JETT ENVIRONMENTAL CONSULTING

October 2, 2017

Ms. Charlene Fitch
Missouri Department of Natural Resources
Division of Environmental Quality
1730 East Elm Street
Jefferson City, Missouri 65101

Re: Detection Monitoring Program Groundwater Statistical Analysis Report
Bridgeton Landfill, LLC – Bridgeton Landfill
Missouri DNR Permit #MO – 118912
Bridgeton, Missouri

Dear Ms. Fitch:

On behalf of the Bridgeton Landfill, LLC – Bridgeton Landfill, Jett Environmental Consulting is submitting the Detection Monitoring Program Groundwater Statistical Analysis Report for the Third Quarter 2017 groundwater monitoring event.

If you have any questions or comments, please contact me at steve.jett@jettenviro.com or 314-496-4654.

Sincerely,

Steve Jett, P.G.
Owner

Attachment: *Groundwater Statistical Analysis Report (1 Hardcopy)*

cc: *Dana Sincox – Republic Services (1 Hardcopy & PDF via Email)*
Mark Milward – Saint Louis County Department of Public Health (PDF via Email)

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DETECTION MONITORING PROGRAM
GROUNDWATER STATISTICAL ANALYSIS REPORT

Third Quarter 2017
Sampling Event

Bridgeton Landfill, LLC
Bridgeton Landfill
Bridgeton, Missouri

MO DNR PERMIT No. 118912

October 2017

Prepared by:

JETT ENVIRONMENTAL CONSULTING

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1.0 INTRODUCTION

On behalf of the Bridgeton Landfill, LLC - Bridgeton Landfill, Jett Environmental Consulting has prepared this Detection Monitoring Program (DMP) Groundwater Statistical Analysis Report for the Third Quarter 2017 quarterly groundwater monitoring event. Sampling for the Third Quarter 2017 event was conducted by Feezor Engineering, Inc. on August 29-30, 2017. Laboratory analytical testing was performed by Pace Analytical Services, LLC. Statistical evaluations were performed using the statistical analysis software package, Sanitas™, which follows a documented decision logic that incorporates the United States Environmental Protection Agency's (USEPA's) March 2009 Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance (hereafter, Unified Guidance).

2.0 SITE BACKGROUND AND MONITORING NETWORK

Jett Environmental Consulting statistically evaluated the detection monitoring results from the Third Quarter 2017 event using intra-well prediction limits. Prediction limits are considered a powerful tool for groundwater statistical analysis, when feasible, due to their inherent low false negative and false positive rates utilizing confirmatory resampling, if necessary.

The background period utilized for this report includes samples collected from February 1997 through Second Quarter 2015. The background period will be updated approximately every two years. Statistical outliers are removed as described **Section 4.1**. Monitoring results from three hydrostratigraphic zones are statistically evaluated at the Bridgeton Landfill. These zones are described in **Section 3.0**. **Table 1** lists the detection monitoring wells evaluated in this report.

Review of the previous quarter (Second Quarter 2017) inorganics data for PZ-104-SS/PZ-104-SD indicated the samples or laboratory results may have been inadvertently switched. For example, the Second Quarter 2017 inorganics data for PZ-104-SS matched up with PZ-104-SD historical results, and the Second Quarter 2017 inorganics data for PZ-104-SD matched up with PZ-104-SS historical results. Review of the field sampling forms, chain of custody forms, and laboratory sample identification numbers did not indicate a switch in samples. It was proposed to utilize the Third Quarter 2017 (August 2017) event as a confirmation event for these results. Review of the Third Quarter 2017 data (see time series graphs in **Appendices D** and **E**) indicates the Third Quarter 2017 data is consistent with the respective wells, therefore the Second Quarter 2017 data was anomalous. Inorganic data from the Second Quarter 2017 event will not be utilized for statistical evaluations of PZ-104-SS and PZ-104-SD.

The facility has prepared statistical power curve graphs to allow Missouri Department of Natural Resources (MDNR) to perform comparisons between the current DMP and USEPA-recommended standards. Under the USEPA's *Unified Guidance*, intra-well prediction limits are constructed to have a site-wide false positive rate (SWFPR) of 10% annually, or 2.5% per event for a quarterly sampled facility. The power of the statistical program within each hydrostratigraphic zone is as follows:

Alluvial Zone: Based on the smallest pre-screening background size of n = 37 for a parametric prediction limit in the Alluvial Zone, the annual statistical power of the facility's monitoring program under a "1-of-2" verification resampling scheme is approximately 95% for concentration increases of 3 standard deviations and 99% for increase of 4 standard deviations. Based on the smallest pre-screening background size of n = 40 for a non-parametric prediction limit in the Alluvial Zone, the annual power of the program is approximately 63% for increases of 3 standard deviations and 90% for increases of 4 standard deviations.

St. Louis Formation Zone: Based on the smallest pre-screening background size of n = 36 for a parametric prediction limit in the St. Louis Formation Zone, the annual statistical power of the facility's monitoring program under a "1-of-2" verification resampling scheme is approximately 90% for concentration increases of 3 standard deviations and 99% for increases of 4 standard deviations. Based on the smallest pre-screening background size of n = 38 for a non-parametric prediction limit in the St. Louis Formation Zone, the annual power of the program is approximately 63% for increases of 3 standard deviations and 90% for increases of 4 standard deviations.

Salem Formation Zone: Based on the smallest pre-screening background size of n = 35 for a parametric prediction limit in the Salem Formation Zone, the annual statistical power of the facility's monitoring program under a "1-of-2" verification resampling scheme is approximately 85% for concentration increases of 3 standard deviations and 99% for increases of 4 standard deviations. Based on the smallest pre-screening background size of n = 38 for a non-parametric prediction limit in the Salem Formation Zone, the annual power of the program is approximately 63% for increases of 3 standard deviations and 90% for increases of 4 standard deviations.

Appendix A presents the power curve graphs for the facility's monitoring program. As the size of the background period increases, the statistical power will likewise continue to increase.

A full suite of sample bottles was collected from each well during the Third Quarter 2017 event. During the previous quarterly event, well PZ-110-SS was not able to be sampled due to inadvertent damage by one of the on-site contractors. The Missouri Geological Survey Wellhead Protection Division and MDNR were notified of the damaged well on May 2, 2017, and a letter was submitted to MDNR on July 24, 2017 describing the techniques that will be utilized for well abandonment and replacement. Well PZ-110-SS was abandoned on August 14, 2017. Replacement well PZ-111-SS installation was completed on August 29, 2017 and was able to be sampled during the Third Quarter 2017 event. The Third Quarter 2017 event is considered the first of four quarterly background sampling events for PZ-111-SS. Well PZ-111-SS will be statistically evaluated after four rounds of statistically representative data have been collected from the well.

A field duplicate was collected at well PZ-104-SD. A field blank was collected at well PZ-104-SD. A trip blank was shipped to the laboratory with the samples.

For constituents where both the original and field duplicate results were greater than five times the reporting limit (RL), each result exhibited a relative percent difference (RPD) of 20% or less. For constituents where the original and/or field duplicate results were less than five times the RL, the results exhibited a difference that was less than or equal to the RL. **Appendix A** provides a copy of the duplicate analysis comparison.

There were no detections above laboratory RLs in the field blank or trip blank.

3.0 SITE HYDROGEOLOGY

The geologic and hydrogeologic setting for the Bridgeton Landfill was described in the Groundwater Technical Report, dated November 28, 2016, prepared by Feezor Engineering, Inc.

For the purposes of groundwater monitoring, the geology underlying the Bridgeton Landfill can be divided into five units of interest, from oldest to youngest: the Keokuk formation bedrock, the Warsaw formation bedrock, the Salem formation bedrock, the St. Louis formation bedrock, and unconsolidated materials consisting of alluvium and loess. According to the Groundwater Technical Report, four of these general hydrostratigraphic zones are monitored at the site. The Warsaw formation is not a groundwater-bearing unit and is therefore not discussed below.

The former quarry pits were constructed to a depth consistent with the upper portion of the Salem formation. Accordingly, portions of the Salem formation, St. Louis formation, and unconsolidated materials are absent in those areas where the landfill was constructed.

Keokuk Formation Bedrock: The Keokuk formation is a part of the Osagean series, which is in turn a part of the Mississippian system. The formation is a fresh to slightly- or moderately-weathered, thinly- to medium-bedded, medium-strong limestone. The color of the formation is generally very light gray to light olive. The limestone is dolomitic, with members that are variously described as siliceous and arenaceous, as well as porous and vuggy. The formation is characterized by chert layers and nodules. Fractures are rare in the Keokuk formation, generally occurring at frequencies of up to two fractures per foot. Where they occur, these fractures are generally irregular and rough, or—alternately—bedded and planar.

The top of the Keokuk formation is encountered at an elevation of approximately 115 to 126 ft/msl in the eastern portion of the landfill and approximately 115 ft/msl in the western portion of the landfill. The Keokuk formation is underlain by the Burlington formation and overlain by the Warsaw formation.

Warsaw Formation Bedrock: The Warsaw formation is a part of the Meramecian Series, which is in turn a part of the Mississippian system. The formation is a fresh, thickly-bedded, weak to medium-strong, microcrystalline to coarsely crystalline calcareous claystone and limestone. The formation includes abundant interbedding of dolomite, claystone, siltstone, clayey siltstone, and silty claystone. The lower portion of the Warsaw formation is predominantly thinly- to medium-bedded limestone, grading into the upper portion of the Keokuk formation, with thin chert layers and small chert nodules. The upper portion of the Warsaw formation is characterized by an approximately 2.5- to 10-foot thick claystone or siltstone layer, commonly referred to as the Warsaw Shale. The color of the formation is generally dark greenish gray to olive black. Formation members are variously described as arenaceous or argillaceous, as well as porous and vuggy. Fractures are rare in the Warsaw formation, generally occurring at frequencies of up to one fracture per foot. Where they occur, these fractures are generally jointed, either irregular or planar, and either rough or smooth.

The top of the Warsaw formation is encountered at an elevation of approximately 240 ft/msl in the eastern portion of the landfill and approximately 250 to 260 ft/msl in the western portion of the landfill. The thickness of the Warsaw formation ranges from approximately 130 to 145 feet. The Warsaw formation is underlain by the Keokuk formation and overlain by the Salem formation. As noted above, the Warsaw formation is not a groundwater-bearing unit, and is therefore not monitored under the facility's groundwater monitoring programs.

Salem Formation Bedrock: The Salem formation is a part of the Meramecian Series, which is in turn a part of the Mississippian system. The formation is a fresh, thinly- to thickly-bedded, medium-strong limestone. The color of the formation is generally pale yellowish brown to light olive gray. The limestone is dolomitic and fossiliferous. The formation is also characterized by widespread interbedded dolomite layers and scattered chert clasts, nodules, and layers. Fractures are rare in the Salem formation, generally occurring at frequencies ranging from zero to one fracture per foot in the lower portion of the formation and up to two fractures per foot in the upper portion of the formation. Where they occur, these fractures are generally jointed, irregular, and rough, or—alternately—jointed, planar, and smooth.

The top of the Salem formation is encountered at an elevation of approximately 320 ft/msl in the eastern portion of the landfill and approximately 328 to 340 ft/msl in the western portion of the landfill. The thickness of the Salem formation ranges from approximately 67 to 83 feet. Portions of the Salem formation were removed during quarrying activities, and as such the unit is partly absent in those areas where the landfill was constructed. The Salem formation is underlain by the Warsaw formation and overlain by the St. Louis formation.

St. Louis Formation Bedrock: The St. Louis formation is a part of the Meramecian series, which is in turn a part of the Mississippian system. The formation is generally a fresh to slightly-weathered, thinly- to very thickly-bedded, microcrystalline to medium crystalline, medium-strong to strong limestone. The color of the formation is generally very light gray to olive gray. The limestone is dolomitic, and the upper units of the formation are brecciated, stylolitic, and fossiliferous. The St. Louis formation is also characterized by periodic claystone and siltstone beds and layers. The upper units of the formation contain occasional iron-oxide concretions and chert nodules. Fractures generally occur in the St. Louis formation at a frequency of zero to ten fractures per foot. Where they occur, these fractures are generally jointed, irregular, rough, and infilled with clay.

The top of the St. Louis formation is encountered at an elevation of approximately 425 to 460 ft/msl in the eastern portion of the landfill and approximately 379 to 445 ft/msl in the western portion of the landfill. The thickness of the St. Louis formation ranges from approximately 65 to 130 feet. Portions of the St. Louis formation were removed during quarrying activities, and as such the unit is absent in those areas where the landfill was constructed. The St. Louis formation is underlain by the Salem formation and overlain by unconsolidated materials.

Unconsolidated Materials: The unconsolidated materials that overlie the St. Louis formation at the Bridgeton Landfill are comprised primarily of alluvium overlain by loess. The alluvium ranges from a silty clay and clayey silt to a sand, and the loess ranges from a silty clay to a clayey silt. The loess was redeposited from braided glacial melt-out drainages by westerly winds during the late Pleistocene. The thickness of the loess is greatest in the eastern portion of the landfill. In the eastern portion of the landfill, the thickness of the loess is approximately 13 to 22 feet, and the thickness of the alluvium is approximately 12 to 32 feet. The loess is thinner in the western portion of the site, and occasionally absent, due to quarrying and landfilling activities, as well as erosion within the floodplain. In the western portion of the site, the thickness of the loess (where present) is approximately 10 to 15 feet, and the thickness of the alluvium is up to approximately 110 feet. Portions of the alluvium and loess were removed during quarrying activities, and as such these materials are absent in those areas where the landfill was constructed.

Appendix B presents the groundwater potentiometric surface maps based on depth to water data measured on August 28, 2017. **Appendix B** also includes tables presenting the elevation data for both the groundwater monitoring wells and leachate collection sumps.

4.0 STATISTICAL PROCEDURES

The *Sanitas*™ program was utilized to compile and statistically evaluate the data for the Third Quarter 2017 monitoring event.

4.1 Outliers

Prior to the determination of intra-well prediction limits, the background data were evaluated for the presence of statistical outliers. Where the background data size was $n < 20$, Dixon's outlier test was utilized with a Type I error rate of $\alpha = 0.05$, and where the background data size was $n \geq 20$, Rosner's outlier test was utilized with a Type I error rate of $\alpha = 0.01$. Dixon's and Rosner's tests are not appropriate for background data that are not normally or log-normally distributed. Accordingly, the data sets were evaluated for normality prior to outlier evaluation. The normality of background data was evaluated using the Shapiro-Wilk test with a Type I error rate of $\alpha = 0.1$ where $n < 10$, $\alpha = 0.05$ where $10 \leq n < 20$, and $\alpha = 0.05$ where $n \geq 20$. In those cases where the background data were determined to not be normally or log-normally distributed, outlier evaluation was not performed.

Statistical outliers identified by the outlier tests were removed from the background data prior to the determination of intra-well prediction limits. Outlier evaluation results are presented on the individual prediction limits graphs presented in **Appendices C**, **D**, and **E**.

4.2 Screening for Statistical Trends

Prior to the determination of intra-well prediction limits, the background data were evaluated for increasing statistical trends. Statistical trends were evaluated using the Mann-Kendall trend test at a 98% confidence (Type I error rate of $\alpha = 0.01$ per tail). In those cases where the background data were determined to exhibit an increasing statistical trend (or either an increasing or decreasing statistical trend for field pH), the most recent background data were excluded until the data no longer exhibited a statistical trend. For each constituent-well pair that exhibited an increasing statistical trend, this modified background data period was utilized in the determination of the intra-well prediction limit. Trend evaluation results, including a summary of the constituent-well pairs that utilized modified background data periods, are presented in **Appendices C**, **D**, and **E**.

4.3 Intra-Well Prediction Limits

The prediction limit is a statistical method used to compare a single observation to a group of observations. The prediction limit is calculated to include observations from the same population with a specified confidence. In groundwater monitoring, a prediction limit approach may be used to make comparisons between background and compliance data. The limit is developed to contain all future observations, within a certain probability. If any future observation exceeds the prediction limit, this is considered statistically significant evidence that the observation is not representative of background.

The background data were first evaluated for normality using the Shapiro-Wilk test with at Type I error rate of $\alpha = 0.1$ where $n < 10$, $\alpha = 0.05$ where $10 \leq n < 20$, and $\alpha = 0.05$ where $n \geq 20$. In those instances where the background data were not normally distributed, the data were transformed using each of the possible transformations in the "ladder of powers": $x^{1/2}$, x^2, $x^{1/3}$, x^3, $ln(x)$, x^4, x^5, x^6. Each transformed data set was then re-evaluated for normality. The first transformation that resulted in a normal distribution was utilized for the determination of the intra-well prediction limit. In those instances where the background data were normal or transformed-normal and also consisted of less than 50% non-detects, a parametric intra-well prediction limit was determined. If 15% or less of the background data consisted of non-detects, the non-detects were replaced with concentrations equal to one-half of the reporting limit prior to the determination of parametric intra-well prediction limits. If greater than 15%, but less than 50% of the background data consisted of non-detects, then the mean and standard deviation utilized in the determination of the parametric intra-well prediction limit were estimated according to the Kaplan-Meier method.

In those instances where the background data were not normal or transformed-normal, or where the background data consisted of 50% or greater non-detects, a non-parametric intra-well prediction limit was determined.

Table 2 lists the prediction limit exceedances observed for the Third Quarter 2017 event. Intra-well prediction limit summary tables and graphs are presented in **Appendices C**, **D**, and **E**.

For the Third Quarter 2017 event, there was one result that exceeded an intra-well prediction limit in the Alluvial Zone (see **Table 2**).

There were fourteen results that exceeded their respective intra-well prediction limits in the St. Louis Formation Zone (see **Table 2**) during the Third Quarter 2017 event.

There were ten results that exceeded their respective intra-well prediction limits in the Salem Formation Zone (see **Table 2**) during the Third Quarter 2017 event.

Of the twenty-five prediction limit exceedances observed for the Third Quarter 2017 event, each was also observed during at least one of the previous two monitoring events, with the exception of total barium at Alluvial Zone well PZ-114-AS. In accordance with MDNR correspondence to Bridgeton Landfill, LLC date October 23, 2003, the next sampling event (Fourth Quarter 2017) will be used to confirm the new exceedance.

The Third Quarter 2017 event served as a confirmatory event for the twenty-one new prediction limit exceedances that were observed for the Second Quarter 2017 event. Five of the new exceedances were confirmed during The Third Quarter 2017 event: total manganese at PZ-105-SS; total dissolved solids (TDS) at PZ-106-SS; field specific conductance and TDS at PZ-106-SD; and nitrate/nitrite at PZ-201A-SS.

Sixteen of the new exceedances observed for the Second Quarter 2017 event were not confirmed as an exceedance for the Third Quarter 2017 event: ammonia, total arsenic, total calcium, chemical oxygen demand, chloride, total chromium, total hardness, total iron, total magnesium, total manganese, total nickel, total sodium, TDS, total organic carbon at PZ-104-SS; and chloride and TDS at PZ-111-SD.

4.4 Statistical Trends in Exceeding Constituents

Each constituent that exceeded its intra-well prediction limit was evaluated for increasing statistical trends. Statistical trends were evaluated using the Mann-Kendall trend test with a 98% confidence (Type I error rate of $\alpha = 0.01$ per tail).

Trend evaluation indicated that of the twenty-four constituent-well pairs that exhibited confirmed intra-well prediction limit exceedances for the Third Quarter 2017 event, twenty-one also exhibited increasing statistical trends. Total magnesium at PZ-105-SS, field specific conductance at PZ-106-SD, and TDS at PZ-106-SD did not exhibit upward trends, and have exhibited decreasing concentrations over at least the last two years.

Trend evaluation results for constituents that exceeded intra-well prediction limits are presented in **Appendices C**, **D**, and **E**. Also presented in **Appendices C**, **D**, and **E** are time series plots for each VOC detection and each of the constituents that were statistically evaluated in this report.

4.5 Organic Constituent Results

During the Third Quarter 2017 monitoring event, organic constituents were detected at three wells: Alluvial Zone well PZ-114-AS, St. Louis Formation well PZ-104-SS, and Salem Formation Zone well PZ-104-SD. Wells PZ-114-AS, PZ-104-SS, and PZ-104-SD have previously exhibited confirmed organic constituent detections.

1,4-Dichlorobenzene, benzene, and chlorobenzene were detected at upgradient Alluvial Zone well PZ-114-AS. 1,4-Dichlorobenzene has been detected at PZ-114-AS since 2002. Benzene has been detected at PZ-114-AS since 2003. Chlorobenzene has been detected at PZ-114-AS since 1997. **Table 3** presents the historical results for organic constituents detected at PZ-114-AS. As described in the MDNR's aforementioned October 23, 2003 letter, organic constituent detections at PZ-114-AS appear to be related to impacts from the upgradient PM Resources, Inc. property.

The following organic constituents were detected at well PZ-104-SS: 1,4-dichlorobenzene, benzene, toluene, and total xylenes. Detections of organic constituents were first observed at PZ-104-SS in November 2012. **Table 4** presents the historical results for organic constituents that have been detected at PZ-104-SS from November 2012 onward. The Third Quarter 2017 benzene concentration at PZ-104-SS was the lowest measured since March 2016. The confirmed organic constituent detections at PZ-104-SS are currently being evaluated under the assessment

monitoring program, as detailed in the original December 17, 2013 Assessment Monitoring Plan (AMP).

The following organic constituents were detected at well PZ-104-SD: benzene, toluene, and total xylenes. Detections of organic constituents were first observed at PZ-104-SD in May 2012. **Table 4** presents the historical results for organic constituents that have been detected at PZ-104-SD from May 2012 onward. The confirmed organic constituent detections at PZ-104-SD are currently being evaluated under the assessment monitoring program, as detailed in the AMP.

5.0 STATISTICAL RESULTS SUMMARY

For the Third Quarter 2017 monitoring event, there was one result that exceeded an intra-well prediction limit in the Alluvial Zone. There were fourteen results that exceeded their respective limits in the St. Louis Formation Zone. There were ten results that exceeded their respective limits in the Salem Formation Zone.

Of the twenty-five prediction limit exceedances observed for the Third Quarter 2017 event, each was also observed during at least one of the previous two monitoring events, with the exception of total barium at Alluvial Zone well PZ-114-AS (see **Table 2**). In accordance with MDNR correspondence to Bridgeton Landfill, LLC date October 23, 2003, the next sampling event (Fourth Quarter 2017) will be used to confirm the new exceedance.

The Third Quarter 2017 event served as a confirmatory event for the twenty-one new prediction limit exceedances that were observed for the Second Quarter 2017 event. Five of the new exceedances were confirmed during The Third Quarter 2017 event: total manganese at PZ-105-SS; TDS at PZ-106-SS; field specific conductance and TDS at PZ-106-SD; and nitrate/nitrite at PZ-201A-SS.

Well PZ-104-SD exhibited confirmed exceedances and upward trends for the following inorganic constituents in Third Quarter 2017: total barium, chloride, total sodium, field specific conductance, TDS, and TOC. However, each of the upward trending inorganic constituents have been reported at stable to decreasing levels over the last four years. PZ-104-SD also exhibited confirmed detections for the following organic constituents: benzene, toluene, and total xylenes. VOC concentrations at PZ-104-SD have been trending downward over at least the last three years. As noted above, PZ-104-SD is currently being evaluated under the assessment monitoring program, as detailed in the AMP.

Appendix F presents a copy of the laboratory analytical report and field information forms for the Third Quarter 2017 event.

Recent Submittals

On October 14, 2016, the site received a comment letter from the MDNR. The MDNR's letter provided comments on select Bridgeton Landfill groundwater detection and assessment monitoring reports that were previously submitted from October 2014 through April 2016. In addition to the responses to each comment provided in the October 14, 2016 MDNR letter, the following requested items were submitted by the site on November 14, 2016: Updated Assessment Monitoring Plan, and Alternate Source Demonstration. On November 28, 2016, the following additional requested items were submitted by the site: Groundwater Technical Report, and Interim Corrective Measures Technical Report.

The November 14, 2016 Alternate Source Demonstration addressed confirmed statistically significant increases (SSIs) that have been observed at the Bridgeton Landfill's groundwater detection monitoring wells between September 2014 and March 2016 (as addressed in the October 14, 2016 MDNR letter). Historically, the MDNR had specified that an ASD or AMP is not required

when a Bridgeton Landfill detection monitoring well exhibits a confirmed inorganic prediction limit exceedance, unless the inorganic constituent also exhibits a concurrent statistically significant upward trend and the same well exhibits a concurrent confirmed organic constituent detection above the laboratory RL. The MDNR's position was originally articulated in a comment letter dated October 23, 2003. Of the constituent-well pairs identified by the MDNR as exhibiting confirmed exceedances with upward trends between September 2014 and March 2016, none exhibited concurrent confirmed organic constituent detections. An ASD or AMP was accordingly not required for these SSIs, per the MDNR's October 23, 2003 letter. However, given the assessment monitoring program that is presently in place for identified impacts to groundwater at detection monitoring wells PZ-104-SS and PZ-104-SD, the facility proactively prepared the November 14, 2016 ASD to address confirmed inorganic SSIs at other detection monitoring wells. The ASD concluded that the inorganic SSIs observed at other wells are a result of natural variation, and are 1) not indicative of a new impact to groundwater or 2) not related to the impact previously identified at PZ-104-SS and PZ-104-SD. The ASD is currently under review by the MDNR. The items addressed in the ASD are consistent with confirmed exceedances noted in the Third Quarter 2017 event.

Pursuant to Title 10 of the Missouri Code of State Regulations (CSR) 80-3.010 (11)(C)6.C, the facility submitted an AMP on December 17, 2013 in response to the confirmed exceedances, upward trends, and confirmed organic detections that were first observed at well PZ-104-SD in November 2012 and at PZ-104-SS in April 2013. In accordance with the AMP and a July 30, 2014 comment letter from the MDNR, the facility performs assessment monitoring events at PZ-104-SS and PZ-104-SD semi-annually in the second and fourth quarters. The results of assessment monitoring were most recently discussed in the August 30, 2017 Annual Assessment Monitoring Report with the next annual report scheduled to be submitted by August 31, 2018. Potential remedial alternatives to address the groundwater quality issues at wells PZ-104-SS and PZ-104-SD were discussed and evaluated in a February 19, 2016 Assessment of Corrective Measures Report Addendum by Feezor Engineering, Inc.

An updated AMP was also included in the site's November 14, 2016 submittal noted above. The updated version of the AMP was prepared in response to the October 14, 2016 MDNR comment letter. The MDNR's letter addressed the facility's August 18, 2014 responses to comments on the AMP. In its letter, the MDNR requested that the facility submit a complete, updated AMP incorporating revisions to the AMP that were presented in the August 18, 2014 submittal. The November 14, 2016 updated AMP is currently under review by the MDNR.

TABLES

TABLE 1 Detection Monitoring Wells – Third Quarter 2017 Bridgeton Landfill, LLC Bridgeton Landfill	
Zone	**Groundwater Detection Monitoring Wells**
Alluvial	PZ-114-AS
St. Louis Formation	PZ-100-SS, PZ-104-SS, PZ-105-SS, PZ-106-SS, PZ-109-SS PZ-111-SS, PZ-115-SS, PZ-201A-SS, PZ-205-SS
Salem Formation	PZ-100-SD, PZ-104-SD, PZ-106-SD, PZ-111-SD

TABLE 2
Prediction Limit Exceedances - Third Quarter 2017
Bridgeton Landfill, LLC
Bridgeton Landfill

Zone	Well	Constituent	Units	Result	Prediction Limit	Repeat from Second Quarter 2017?	Trend?
Alluvial	PZ-114-AS	Barium, Total	mg/L	1.1400	1.100	No	N/A
St. Louis Formation	PZ-105-SS	Calcium, Total	mg/L	104	86	Yes	Increasing
		Chloride	mg/L	74.8	25	Yes	Increasing
		Magnesium, Total	mg/L	55.2	47	Yes	No
		Manganese, Total	mg/L	0.0820	0.067	Yes	Increasing
		Total Dissolved Solids	mg/L	593	540	Yes	Increasing
	PZ-106-SS	Barium, Total	mg/L	0.183	0.170	Yes	Increasing
		Chloride	mg/L	50.7	17	Yes	Increasing
		Iron, Total	mg/L	2.51	1.40	Yes	Increasing
		Sodium, Total	mg/L	35.3	17.0	Yes	Increasing
		Specific Conductance, Field	umhos/cm	1,026	950	Yes	Increasing
		Total Dissolved Solids	mg/L	581	530	Yes	Increasing
	PZ-115-SS	Ammonia	mg/L	1.20	0.34	Yes	Increasing
		Manganese, Total	mg/L	0.0756	0.019	Yes	Increasing
	PZ-201A-SS	Nitrate/Nitrite	mg/L	0.35	0.33	Yes	Increasing
Salem Formation	PZ-104-SD	Barium, Total	mg/L	0.592	0.230	Yes	Increasing
		Chloride	mg/L	201	110	Yes	Increasing
		Sodium, Total	mg/L	132	34	Yes	Increasing
		Specific Condutance, Field	umhos/cm	2,000	1,500	Yes	Increasing
		Total Dissolved Solids	mg/L	872	780	Yes	Increasing
		Total Organic Carbon	mg/L	51.1	32	Yes	Increasing
	PZ-106-SD	Ammonia	mg/L	22.3	1.4	Yes	Increasing
		Barium, Total	mg/L	0.282	0.10	Yes	Increasing
		Specific Conductance, Field	umhos/cm	1,413	1,200	Yes	No
		Total Dissolved Solids	mg/L	731	700	Yes	No

Note: Only confirmed prediction limit exceedances were tested for trends.
N/A: Denotes constituent will be evaulated for trends in the event the exceedance is confirmed.
Exceedances at PZ-104SD were not repeats from 2Q17, but were repeats from 1Q17.

Table 3
Organic Constituent Detections at PZ-114-AS - Third Quarter 2017
Bridgeton Landfill, LLC
Bridgeton Landfill

Sampling Date	Constituent		
	Benzene	Chlorobenzene	p-Dichlorobenzene (1,4-Dichlorobenzene)
8/25/1997	<5.0	7	<5.0
11/10/1997	<5.0	5.1	<5.0
2/16/1998	<5.0	<5.0	<5.0
5/27/1998	<5.0	<5.0	<5.0
11/12/1998	<5.0	7.2	<5.0
5/19/1999	<5.0	<5.0	<5.0
11/19/1999	<5.0	<5.0	<5.0
5/23/2000	<5.0	<5.0	<5.0
11/13/2000	<5.0	<5.0	<5.0
5/15/2001	<5.0	7.70	<5.0
11/7/2001	<5.0	5.0	<5.0
5/21/2002	<5.0	130	<5.0
7/24/2002*	NA	150	NA
11/19/2002	<5.0	120	5.5
5/28/2003	<5.0	110	6.2
11/20/2003	6.1	120	14
5/11/2004	5.4	130	18
11/17/2004	<5.0	96	11
5/25/2005	<5.0	102	12.2
11/30/2005	<5.0	120	16
5/23/2006	<5.0	95	17
11/8/2006	<5.0	87	12
5/17/2007	<5.0	76	8.7
11/7/2007	<5.0	95	11
5/7/2008	<5.0	64	9.0
11/5/2008	<5.0	72	9.4
5/8/2009	<5.0	43	<5.0
11/4/2009	<5.0	19	<5.0
5/20/2010	<5.0	24	<5.0
11/11/2010	<5.0	64	7.0
5/11/2011	<5.0	17	<5.0
11/18/2011	<5.0	14	<5.0
5/10/2012	<5.0	9.6	<5.0
11/27/2012	<5.0	42	<5.0
4/8/2013	8.9	86	5.4
10/8/2013	<5.0	69	6.3
5/28/2014	6.7	68	6.5
9/23/2014	5.0	58	5.9
11/20/2014	<5.0	46.0	5.5
2/4/2015	<5.0	41.1	<5.0
5/13/2015	<5.0	34.0	<5.0
8/24/2015	<5.0	49.6	5.6
11/20/2015	9.1	67.9	7.1
3/9/2016	6.2	58.8	8.5
6/1/2016	6.7	65.7	8.7
9/6/2016	5.2	44.9	6.3
11/22/2016	<5.0	44.8	5.6
2/17/2017	<5.0	34.9	5.6
5/15/2017	5.0	40.9	<5.0
5/15/2017	23	92.7	5.6

Notes

All results are presented in units of ug/L.

Result above laboratory Reporting Limit (RL).

** Confirmation sampling event.*

NA: Not analyzed. Benzene and p-dichlorobenzene not detected during the previous event, and confirmation not required.

As described in an October 23, 2003 letter from the MDNR, organic constituent detections at well PZ-114-AS appear to be related to impacts from the upgradient PM Resources, Inc. property.

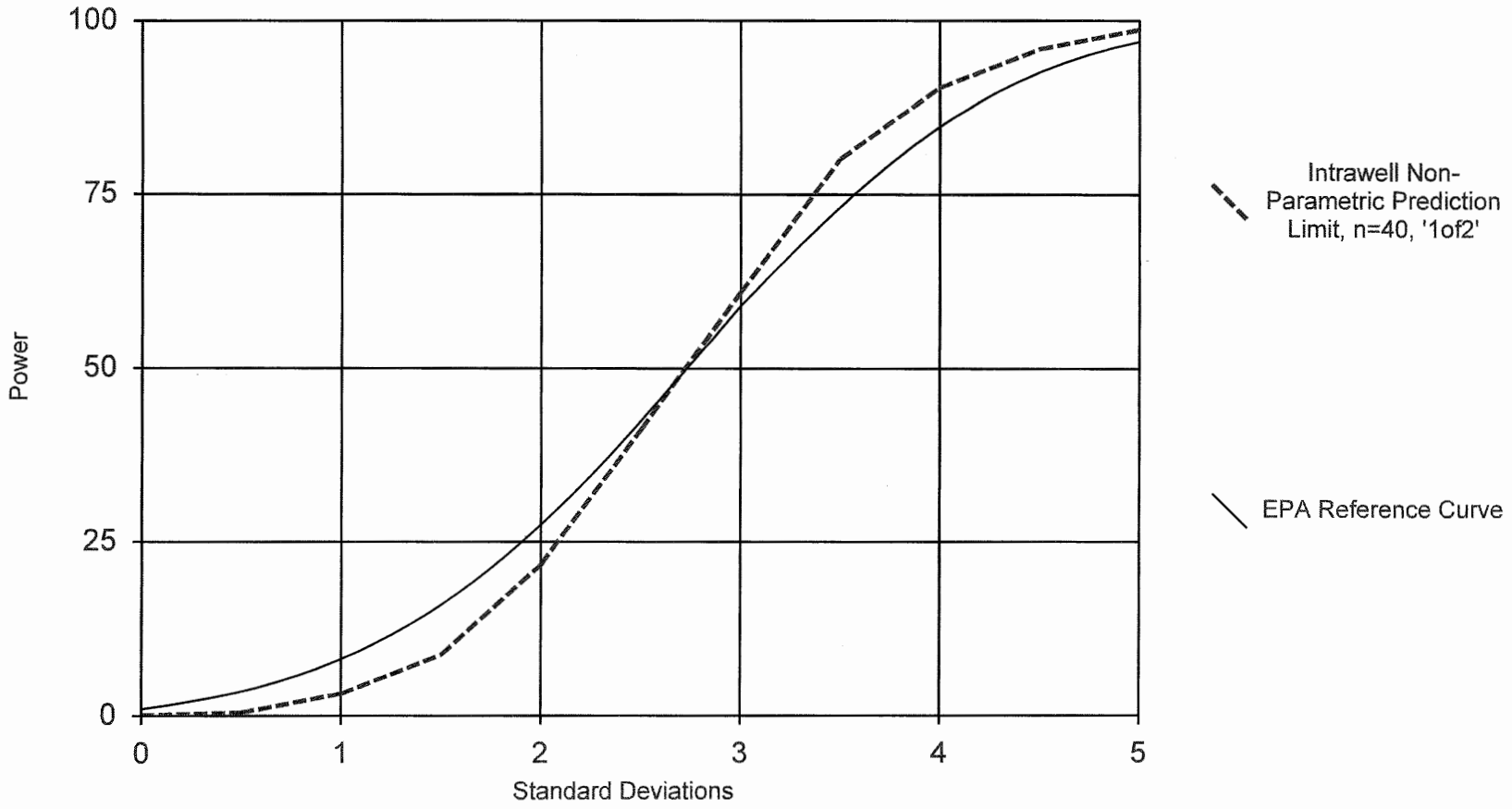
Table 4
Organic Constituent Detections at PZ-104-SS & PZ-104-SD - Third Quarter 2017
Bridgeton Landfill, LLC
Bridgeton Landfill

Well	Date	124-Trimethylbenzene	12-Dichloroethane	14-Dichlorobenzene	1-Chlorobutane	2-Hexanone	Acetone	Aroclor 1221 (PCB-1221)	Benzene	Chloroethane	Ethylbenzene	Isopropylbenzene	m+p-Cresols	Methyl ethyl ketone (2-Butanone)	Methyl-iso-butyl ketone	Methyl-tert-butyl ether	p-Isopropyltoluene	Tetrahydrofuran	Toluene	Xylenes [Total]
104-SD	5/11/2012	n/a	<5	<5	n/a	<10	<10	n/a	57	<10	<5	n/a	n/a	<10	<10	n/a	n/a	n/a	5.5	<5
	11/27/2012	6.56	6.7	6	3.44	<10	<10	n/a	350	<10	11	1.36	n/a	<10	<10	4.4	12.2	617	140	31
	4/11/2013	n/a	24	<0.66	n/a	<3.1	59	n/a	1000	<0.8	24	n/a	n/a	37	<2.7	n/a	n/a	n/a	1800	58
	10/7/2013	n/a	<5	5.4	n/a	19	3000	n/a	920	<10	18	n/a	n/a	1900	47	n/a	n/a	n/a	250	42
	5/28/2014	n/a	<5	<5	n/a	<10	<10	n/a	1300	<10	20	n/a	n/a	<10	<10	n/a	n/a	n/a	73	46
	9/24/2014	<5	<5	<5	n/a	<10	11	<0.1	1200	<10	13	<10	21	<10	<10	<10	<10	63	34	25
	11/20/2014	<5	<5	<5	n/a	<10	<10	<0.1	820	<10	11	<5	<10	<10	<10	<5	<5	231	36.5	21
	2/3/2015	<5	<5	<5	n/a	<10	<10	<0.099	542	<10	10	<5	34	<10	<10	<5	<5	420	26.1	20.4
	5/13/2015	<5	<5	<5	<5	<10	<10	<0.2	672	<10	9.4	<5	20.4	<10	<10	<5	<5	301	25.1	22.7
	8/25/2015	n/a	<5	<5	<5	<10	109	n/a	564	<10	7.3	n/a	n/a	70.9	<10	n/a	n/a	n/a	84.3	22
	11/18/2015	<5	<5	<5	<5	<10	<10	<0.2	640	<10	5.4	<5	67.6	<10	<10	5.4	<5	1560	10.5	19.1
	3/1/2016	n/a	<5	<5	<50	<10	<10	n/a	426	<10	<5	n/a	<10	<10	<10	n/a	n/a	n/a	9.6	19.3
	6/3/2016	<5	<5	<5	<5	<10	<10	<0.2	554	<10	<5	<5	<10	<10	<10	5.2	<5	<1000	8.5	24.4
	8/24/2016	n/a	<5	8.9	n/a	<10	<10	n/a	451	<10	7.3	n/a	n/a	<10	<10	n/a	n/a	n/a	9.3	33.7
	11/9/2016	<25 / <5	<25 / <5	<25 / 6.5	<25 / <5	<50	<50 / <10	<0.2 / <0.2	592 / 564	<50	<25 / <5	<25 / <5	<10 / <10	<50 / <10	<50 / <10	<25 / 5.2	<25 / 9.9	2060E / 2030	<25 / 9.7	<25 / 26.8
	2/9/2017	n/a	<5	5.7	n/a	<10	<10	n/a	433	<10	<5	n/a	n/a	<10	<10	n/a	n/a	n/a	7.5	24.6
	5/8/2017	<5	<5	<5	<5	<10	<10	<0.2	400	<10	<5	<5	<10	<10	<10	<5	<5	1150	34.3	20.4
	8/30/2017	n/a	<5	<5	n/a	<10	<10	n/a	327	<10	<5	n/a	n/a	<10	<10	n/a	n/a	n/a	9.5	21.3
104-SS	5/11/2012	n/a	<5	<5	n/a	<10	<10	n/a	<5	<10	<5	n/a	n/a	<10	<10	n/a	n/a	n/a	<5	<5
	11/27/2012	n/a	20	8.2	n/a	<10	<10	n/a	1100	<10	18	n/a	n/a	<10	63	n/a	n/a	n/a	78	48
	4/11/2013	n/a	43	6.3	n/a	72	<4	n/a	2400	11	26	n/a	n/a	110	220	n/a	n/a	n/a	140	66
	10/9/2013	n/a	43	7.5	n/a	52	<10	n/a	2200	<10	35	n/a	n/a	<10	210	n/a	n/a	n/a	150	78
	5/28/2014	n/a	<5	6.8	n/a	<10	<10	n/a	1200	<10	24	n/a	n/a	<10	<10	n/a	n/a	n/a	87	59
	9/24/2014	6.3	<5	5.5	n/a	<10	<10	0.18	1500	<10	29	<10	<10	<10	<10	<10	10	2000	130	65
	11/20/2014	<5	<5	<5	n/a	<10	<10	<0.099	1280	<10	20.2	<5	<10	<10	<10	<5	<5	<100	106	47.7
	2/3/2015	5.5	<5	<5	n/a	<10	<10	<0.1	1020	<10	22.6	<5	<10	<10	<10	<5	5.5	<100	91.9	49.9
	5/14/2015	<5	<5	<5	<5	<10	<10	<0.2	935	<10	20.3	<5	<10.1	<10	<10	<5	<5	<100	71.3	32.8
	8/25/2015	n/a	<5	<5	<5	<10	<10	n/a	357	<10	13.2	n/a	n/a	<10	<10	n/a	n/a	n/a	14.7	21.2
	11/18/2015	<5	<5	<5	<5	<10	<10	<0.2	469	<10	8.7	<5	<10	<10	<10	<5	<5	<100	5.2	23.1
	3/1/2016	n/a	<5	<5	<5	<10	<10	n/a	8.3	<10	<5	n/a	<10	<10	<10	n/a	n/a	n/a	<5	15.4
	6/3/2016	<5	<5	5.8	<5	<10	<10	<0.2	44.1	<10	<5	<5	<10	<10	<10	<5	<5	<100	5.7	8.7
	8/24/2016	n/a	<5	9	n/a	<10	<10	n/a	221	<10	7.8	n/a	n/a	<10	<10	n/a	n/a	n/a	17.1	22.1
	11/10/2016	<5	<5	7.1	<5	<10	<10	<0.2	279	<10	5.9	<5	<10	<10	<10	8.6	12.3	<100	21	12.2
	2/9/2017	n/a	<5	6.3	n/a	<10	<10	n/a	302	<10	<5	n/a	n/a	<10	<10	n/a	n/a	n/a	31.7	12.7
	5/8/2017	<5	<5	<5	<5	<10	<10	<0.2	213	<10	<5	<5	<10	<10	<10	7.9	<5	<100	25.4	7.4
	8/30/2017	n/a	<5	5.4	n/a	<10	<10	n/a	33.9	<10	<5	n/a	n/a	<10	<10	n/a	n/a	n/a	18.3	5.3

Notes:
All results are presented in units of ug/L.
Constituent detected above laboratory reporting limit.
n/a: Detection monitoring wells not analyzed for this constituent during routine detection monitoring events.
p-Cresol reported by laboratory as m+p-Cresols.

APPENDIX A
STATISTICAL POWER CURVES
&
DUPLICATE ANALYSIS COMPARISON

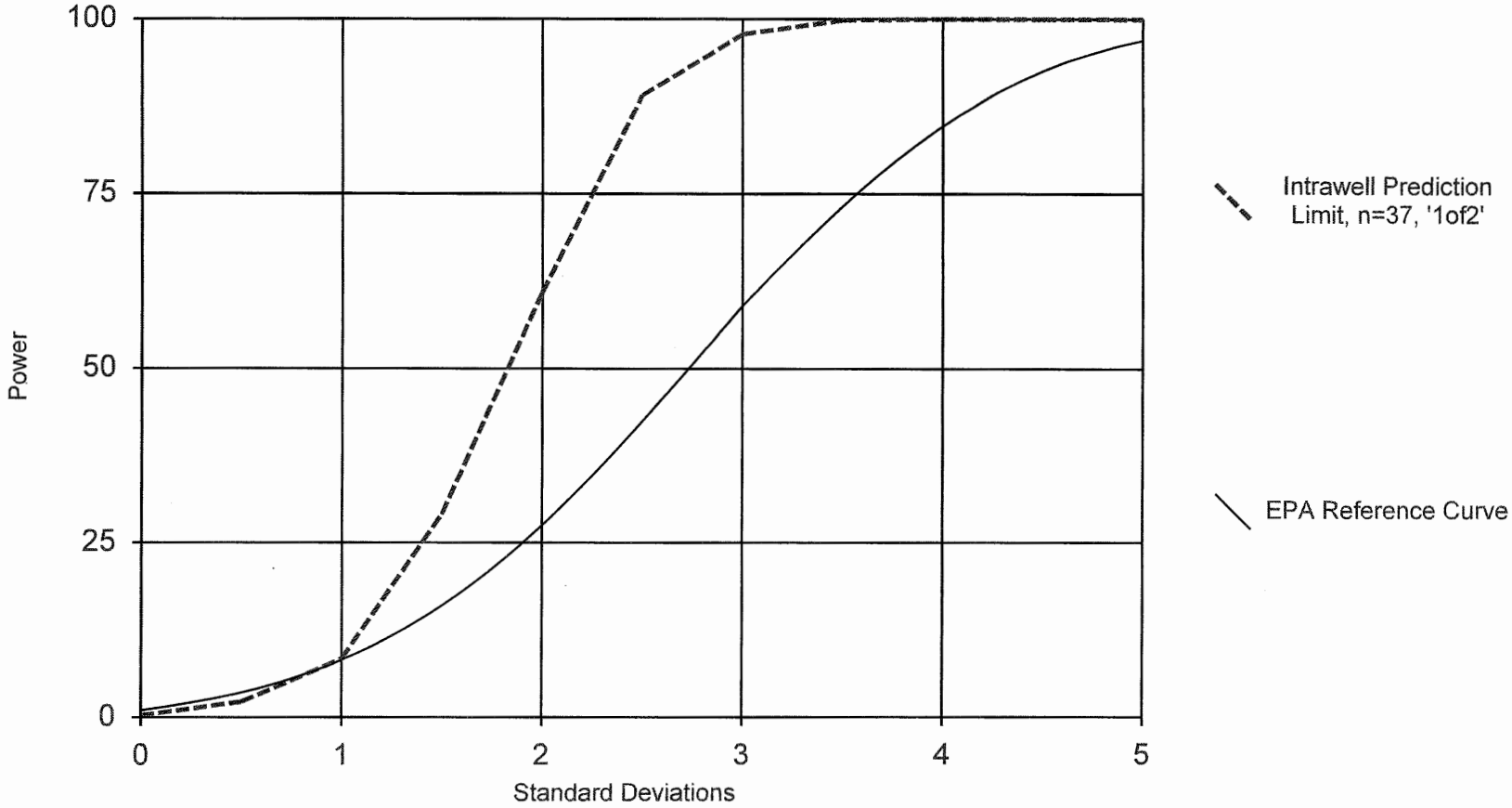
Power Curve



Analysis Run 1/7/2016 4:15 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Power Curve



Kappa = 2.092, based on 1 compliance well and 34 constituents, evaluated quarterly (this report reflects annual total).

Analysis Run 1/7/2016 4:15 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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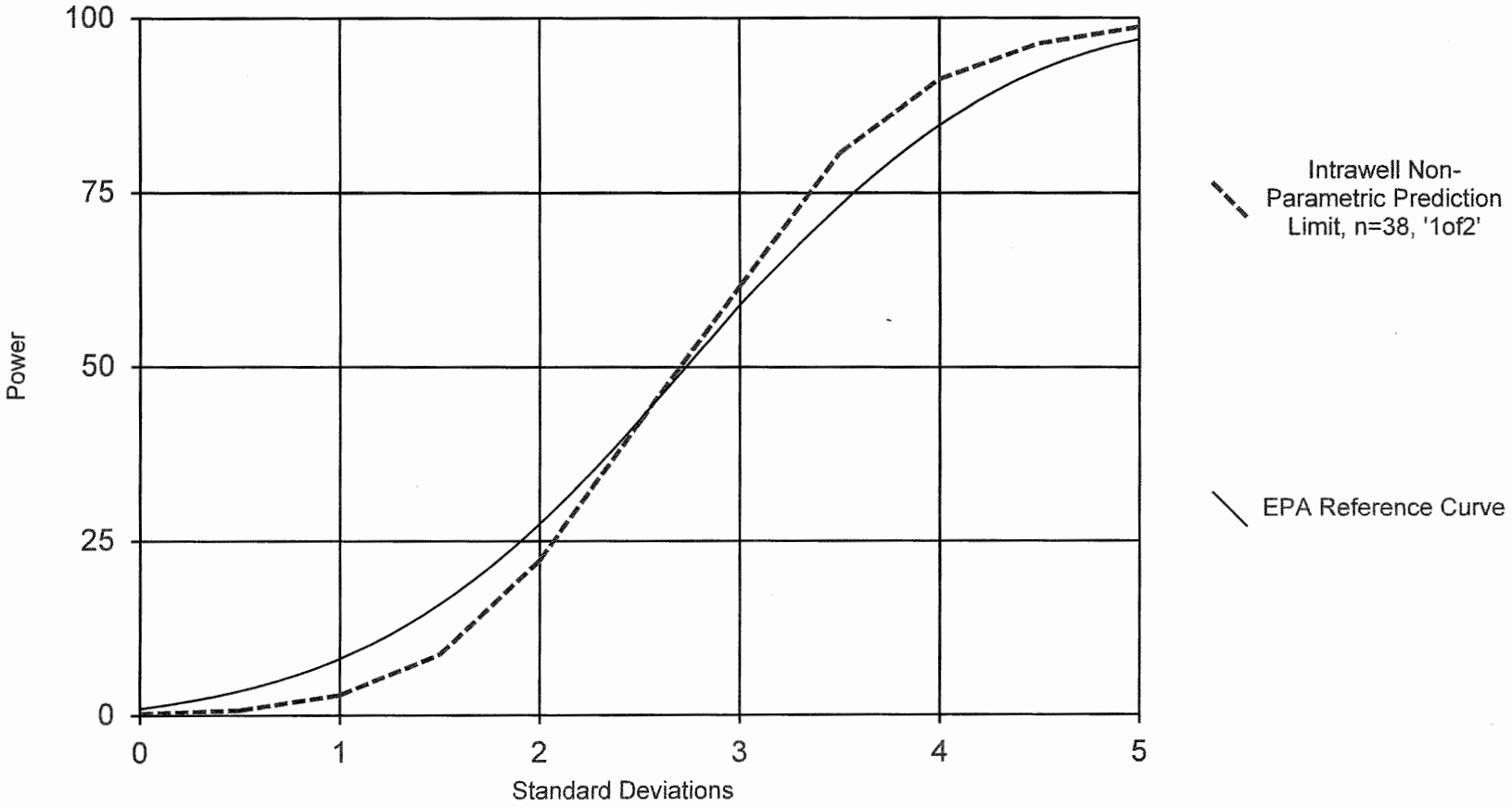
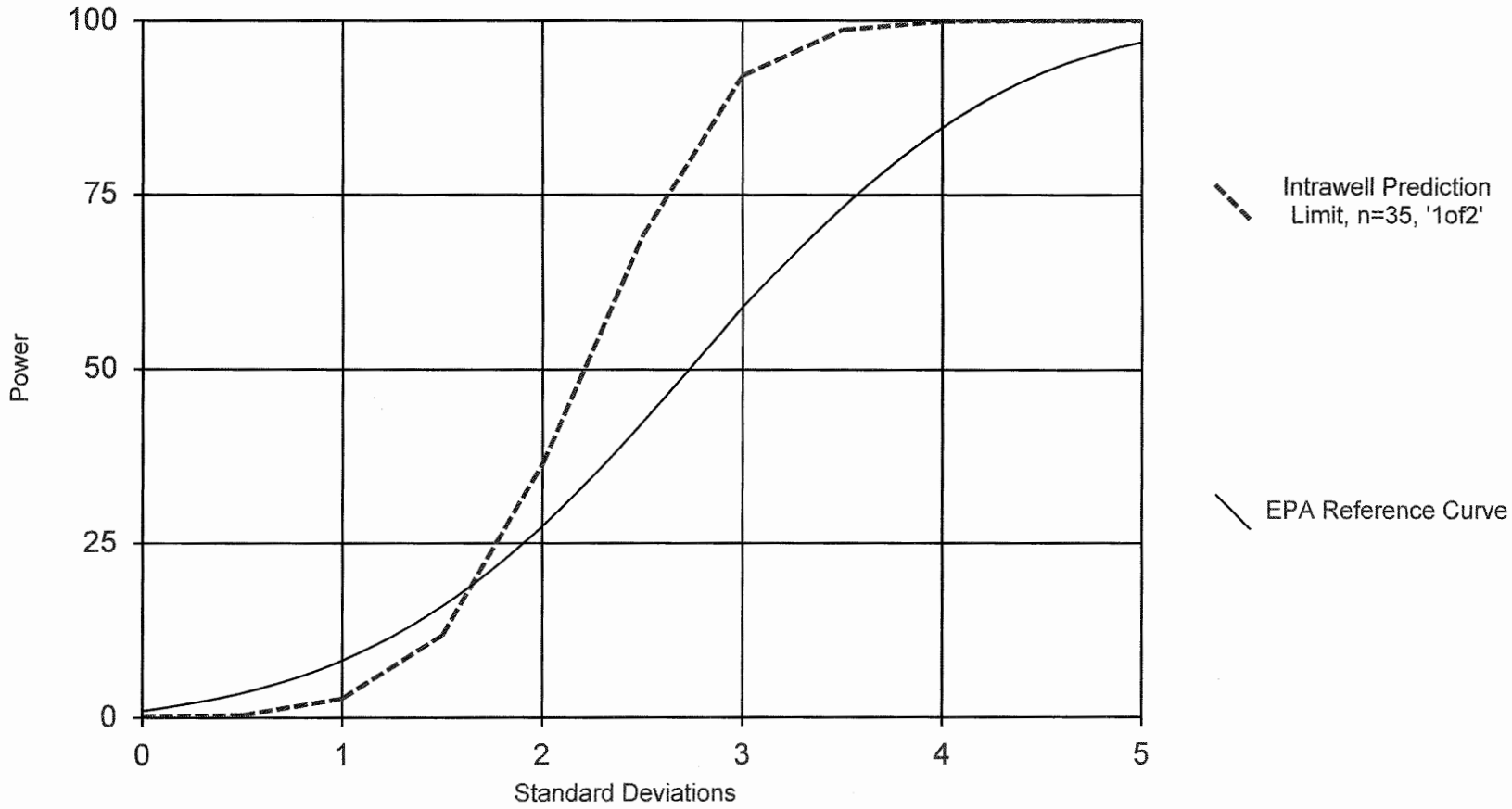
Power Curve



Analysis Run 1/7/2016 4:16 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Power Curve



Kappa = 2.466, based on 4 compliance wells and 34 constituents, evaluated quarterly (this report reflects annual total).

Analysis Run 1/7/2016 4:17 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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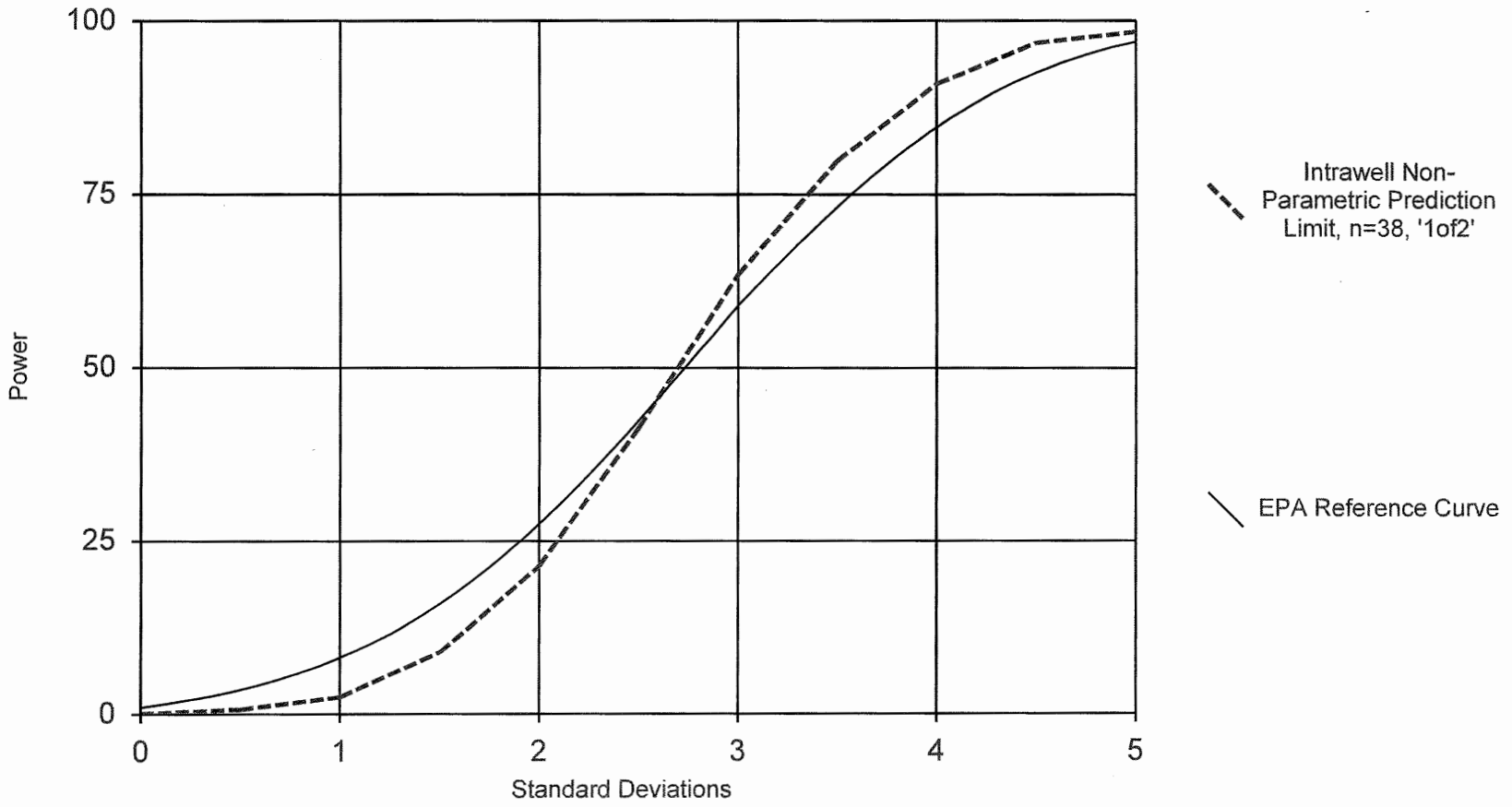
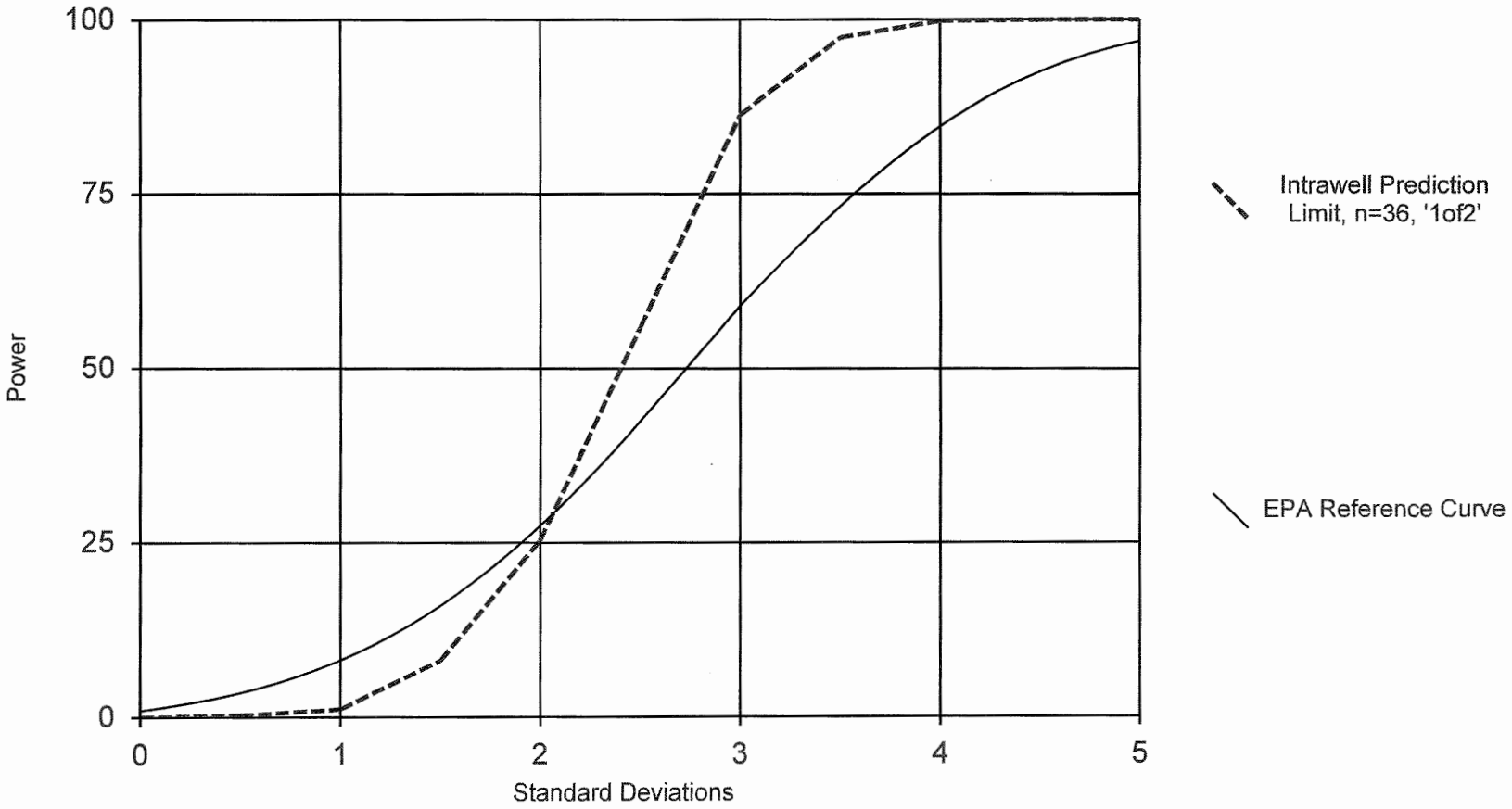
Power Curve



Analysis Run 1/7/2016 4:16 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Power Curve



Kappa = 2.654, based on 9 compliance wells and 34 constituents, evaluated quarterly (this report reflects annual total).

Analysis Run 1/7/2016 4:17 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Original Sample / Duplicate Sample Analysis Comparison

Facility: Bridgeton Landfill

Monitoring Event: August-17

If both results are each greater than or equal to 5 times the Detection Limit, then
Control Limit = ± 20% Relative Percent Difference (RPD)
Where RPD = 100 * (Positive Difference in Concenrations) / (Average of Concentrations)
If either result is less than 5 times the Detection Limit, then
Control Limit = ± Detection Limit

Original / Duplicate Pair: PZ-104-SD / Duplicate

Detected Analyte	Units	Detection Limit	PZ-104-SD	Duplicate	Are both values greater than 5x Detection Limit? Y/N	If Yes, RPD (%)	If No, are both values within ± Detection Limit difference? Y/N
ARSENIC, TOTAL	UG/L	5	16.3	16.5	N	N/A	Y
BARIUM, TOTAL	UG/L	10	592	602	Y	2%	N/A
BENZENE	UG/L	50	327	346	Y	6%	N/A
BORON, TOTAL	UG/L	100	841	851	Y	1%	N/A
CALCIUM, TOTAL	UG/L	500	94700	94300	Y	0%	N/A
CHEMICAL OXYGEN DEMAND, TOTAL	MG/L	10	150	149	Y	1%	N/A
CHLORIDE	MG/L	25	201	206	Y	2%	N/A
CHROMIUM, TOTAL	UG/L	5	9.1	9.3	N	N/A	Y
FLUORIDE	MG/L	0.1	1.1	1	Y	10%	N/A
IRON, TOTAL	UG/L	50	9400	9390	Y	0%	N/A
MAGNESIUM, TOTAL	UG/L	500	57800	57600	Y	0%	N/A
MANGANESE, TOTAL	UG/L	5	112	111	Y	1%	N/A
NICKEL, TOTAL	UG/L	10	50.2	50	Y	0%	N/A
NITROGEN, AMMONIA, TOTAL	MG/L	0.5	39.7	36.8	Y	8%	N/A
PHOSPHORUS, TOTAL	MG/L	0.05	0.13	0.13	N	N/A	Y
SODIUM, TOTAL	UG/L	1000	132000	133000	Y	1%	N/A
SULFATE	MG/L	0.25	4.2	4.3	Y	2%	N/A
TOLUENE	UG/L	5	9.5	9.7	N	N/A	Y
TOTAL DISSOLVED SOLIDS	MG/L	10	872	874	Y	0%	N/A
TOTAL HARDNESS BY 2340B	UG/L	1000	475000	473000	Y	0%	N/A
TOTAL ORGANIC CARBON	MG/L	4	51.1	51.5	Y	1%	N/A
XYLENE (TOTAL)	UG/L	5	21.3	21.4	N	N/A	Y

APPENDIX B
POTENTIOMETRIC SURFACE MAPS

WELL PREFIX/SUFFIX EXPLANATION

SS = ST. LOUIS UPPER SALEM UNIT	AS = SHALLOW ALLUVIUM
SD = DEEP SALEM UNIT	AI = INTERMEDIATE ALLUVIUM
KS = KEOKUK UNIT	AD = DEEP ALLUVIUM
LCS = LEACHATE COLLECTION SUMP	LR - LEACHATE RISER

Notes: Depth to water measurements collected on 8/28/17 by Feezor Engineering, Inc., with the exception of PZ-111-SS, which was measured on 8/30/17 once installation completed; LCS measurements collected on 8/30/17 by Bridgeton Landfill, LLC.
Aerial topography provided Cooper Aerial Surveys Co. dated 12/12/16.

* Denotes I-4, D-3, D-85, LR-100, PZ-302-AI, and PZ-304-AI not contoured in the well clusters, due to deeper installations.

LEGEND

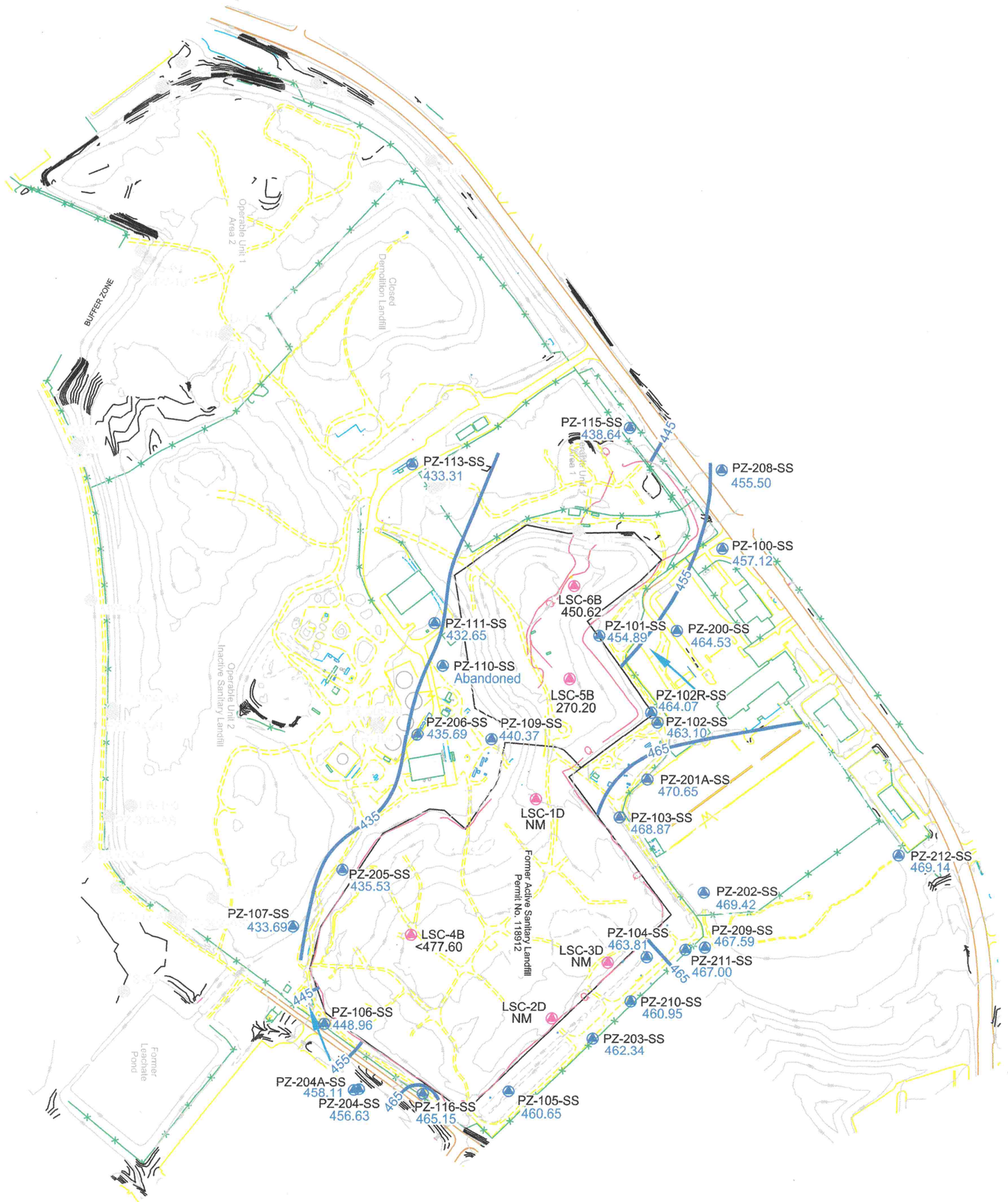
- LEACHATE COLLECTION SUMP
- GROUNDWATER MONITORING WELL
- 462.17 GROUNDWATER ELEVATION (FMSL)
- 432 POTENTIOMETRIC SURFACE CONTOUR (FMSL)
- INFERRED GROUNDWATER FLOW DIRECTION

NORTH

0 100 200 400 800
Scale in Feet
Graphic Scale: 1 inch = 400 feet

JETT ENVIRONMENTAL CONSULTING
1002 Morgan Meadow Drive
Wentzville, MO 63385
314-496-4654
www.jettenviro.com

Third Quarter 2017
Alluvial Zone - Potentiometric Surface Map
Bridgeton Landfill, LLC - Bridgeton, Missouri



WELL PREFIX/SUFFIX EXPLANATION

SS = ST. LOUIS UPPER SALEM UNIT	AS = SHALLOW ALLUVIUM
SD = DEEP SALEM UNIT	AI = INTERMEDIATE ALLUVIUM
KS = KEOKUK UNIT	AD = DEEP ALLUVIUM
LCS = LEACHATE COLLECTION SUMP	LR - LEACHATE RISER

Notes: Depth to water measurements collected on 8/28/17 by Feezor Engineering, Inc., with the exception of PZ-111-SS, which was measured on 8/30/17 once installation completed; LCS measurements collected on 8/30/17 by Bridgeton Landfill, LLC.
Aerial topography provided Cooper Aerial Surveys Co. dated 12/12/16.

LEGEND

- LEACHATE COLLECTION SUMP
- GROUNDWATER MONITORING WELL
- 462.17 GROUNDWATER ELEVATION (FMSL)
- 455 POTENTIOMETRIC SURFACE CONTOUR (FMSL)
- INFERRED GROUNDWATER FLOW DIRECTION

NORTH

0 100 200 400 800

Scale in Feet
Graphic Scale: 1 inch = 400 feet

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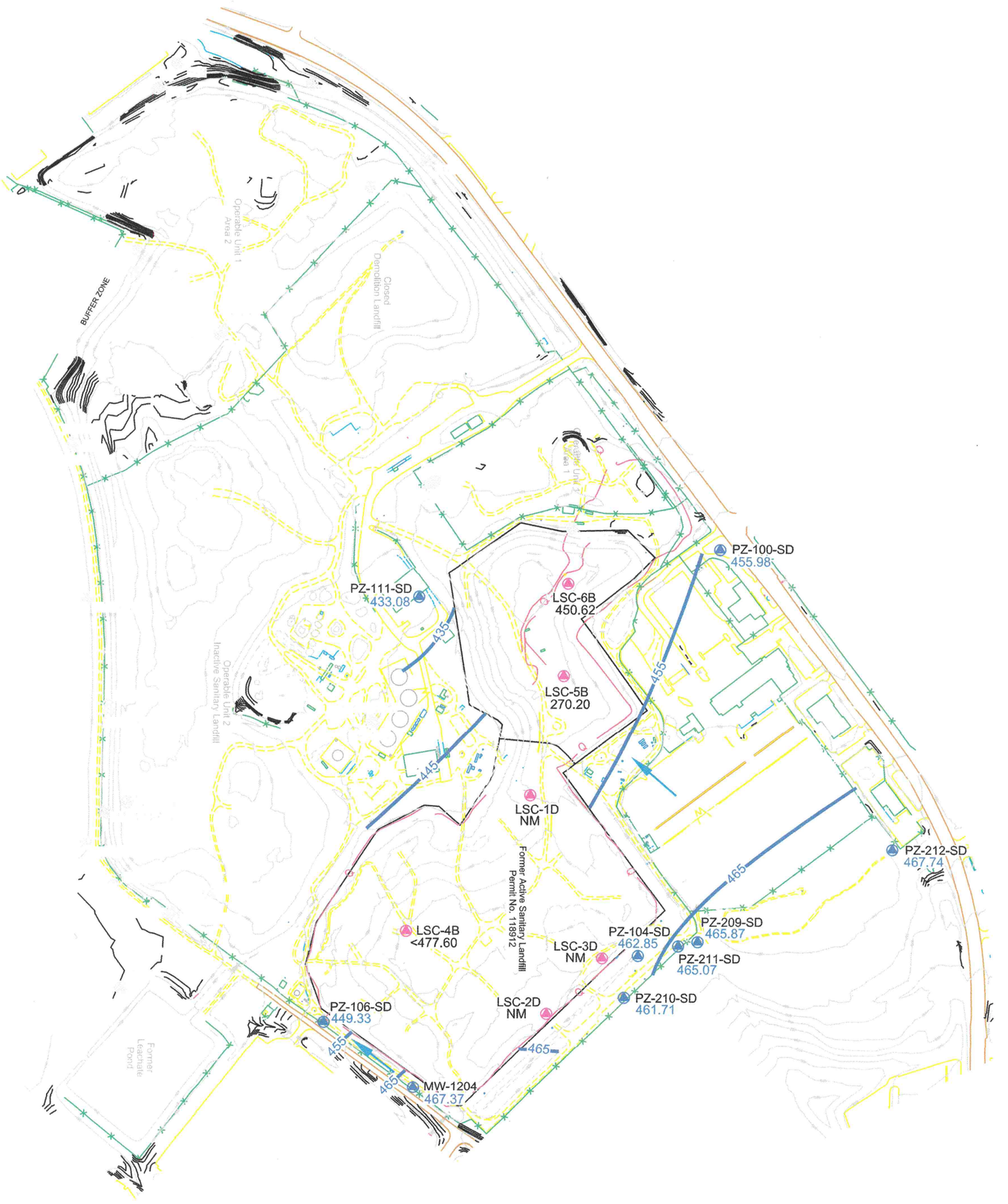
Third Quarter 2017
St. Louis/Upper Salem Zone - Potentiometric Surface Map
Bridgeton Landfill, LLC - Bridgeton, Missouri



WELL PREFIX/SUFFIX EXPLANATION

SS = ST. LOUIS UPPER SALEM UNIT	AS = SHALLOW ALLUVIUM
SD = DEEP SALEM UNIT	AI = INTERMEDIATE ALLUVIUM
KS = KEOKUK UNIT	AD = DEEP ALLUVIUM
LCS = LEACHATE COLLECTION SUMP	LR - LEACHATE RISER

Notes: Depth to water measurements collected on 8/28/17 by Feezor Engineering, Inc.;
LCS measurements collected on 8/30/17 by Bridgeton Landfill, LLC.
Aerial topography provided Cooper Aerial Surveys Co. dated 12/12/16.

LEGEND

- LEACHATE COLLECTION SUMP
- GROUNDWATER MONITORING WELL
- 462.17 GROUNDWATER ELEVATION (FMSL)
- 455 POTENTIOMETRIC SURFACE CONTOUR (FMSL)
- INFERRED GROUNDWATER FLOW DIRECTION

NORTH

0 100 200 400 800
Scale in Feet
Graphic Scale: 1 inch = 400 feet

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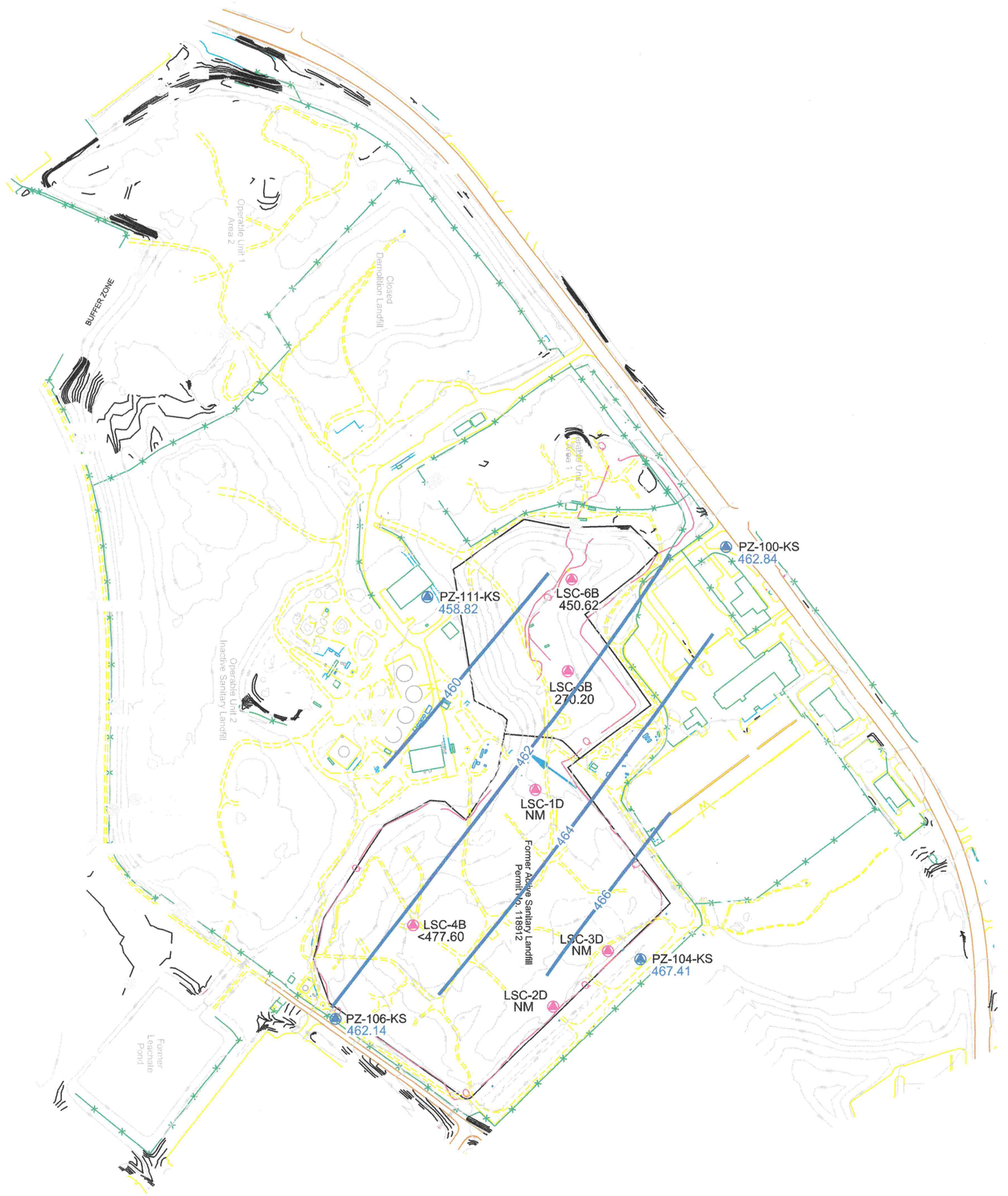
Third Quarter 2017
Deep Salem Zone - Potentiometric Surface Map
Bridgeton Landfill, LLC - Bridgeton, Missouri



WELL PREFIX/SUFFIX EXPLANATION

SS = ST. LOUIS UPPER SALEM UNIT	AS = SHALLOW ALLUVIUM
SD = DEEP SALEM UNIT	AI = INTERMEDIATE ALLUVIUM
KS = KEOKUK UNIT	AD = DEEP ALLUVIUM
LCS = LEACHATE COLLECTION SUMP	LR - LEACHATE RISER

Notes: Depth to water measurements collected on 8/28/17 by Feezor Engineering, Inc.;
LCS measurements collected on 8/30/17 by Bridgeton Landfill, LLC.
Aerial topography provided Cooper Aerial Surveys Co. dated 12/12/16.

LEGEND

- LEACHATE COLLECTION SUMP
- GROUNDWATER MONITORING WELL
- 462.17 GROUNDWATER ELEVATION (FMSL)
- —460— POTENTIOMETRIC SURFACE CONTOUR (FMSL)
- INFERRED GROUNDWATER FLOW DIRECTION

NORTH

0 100 200 400 800
Scale in Feet
Graphic Scale: 1 inch = 400 feet

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Third Quarter 2017
Keokuk Zone - Potentiometric Surface Map
Bridgeton Landfill, LLC - Bridgeton, Missouri

Groundwater Elevation Summary Table
Bridgeton Landfill, LLC

Well	Top of PVC Casing Elevation[1] (fmsl)	Depth to Water[2] (ft)	Groundwater Elevation (fmsl)
Alluvial Zone			
D-85	457.67	24.82	432.85
D-87*	464.41	32.24	432.17
I-67*	441.78	9.65	432.13
I-68	450.60	18.14	432.46
I-73	461.96	29.50	432.46
LR-103	470.64	38.15	432.49
PZ-112-AS	462.53	29.95	432.58
PZ-113-AD	462.24	29.19	433.05
PZ-113-AS	462.19	29.13	433.06
PZ-114-AS	452.14	18.53	433.61
PZ-205-AS	464.77	31.32	433.45
PZ-207-AS	462.65	29.98	432.67
S-84	457.45	24.55	432.90
St. Louis / Upper Salem Zone			
PZ-100-SS	486.55	29.43	457.12
PZ-101-SS	493.08	38.19	454.89
PZ-102R-SS	488.56	24.49	464.07
PZ-102-SS	484.65	21.55	463.10
PZ-103-SS	484.21	15.34	468.87
PZ-104-SS	484.00	20.19	463.81
PZ-105-SS	484.04	23.39	460.65
PZ-106-SS	463.11	14.15	448.96
PZ-107-SS	465.41	31.72	433.69
PZ-109-SS	460.19	19.82	440.37
PZ-111-SS	464.63	31.98	432.65
PZ-113-SS	462.66	29.35	433.31
PZ-115-SS	452.90	14.26	438.64
PZ-116-SS	478.21	13.06	465.15
PZ-200-SS	486.23	21.70	464.53
PZ-201A-SS	482.33	11.68	470.65
PZ-202-SS	481.82	12.40	469.42
PZ-203-SS	487.19	24.85	462.34
PZ-204A-SS	463.09	4.98	458.11
PZ-204-SS	465.28	8.65	456.63
PZ-205-SS	465.18	29.65	435.53
PZ-206-SS	463.42	27.73	435.69
PZ-208-SS	475.19	19.69	455.50
PZ-209-SS	489.68	22.09	467.59
PZ-210-SS	486.90	25.95	460.95
PZ-211-SS	487.41	20.41	467.00
PZ-212-SS	482.79	13.65	469.14
Deep Salem Zone			
MW-1204	478.04	10.67	467.37
PZ-100-SD	486.49	30.51	455.98
PZ-104-SD	484.15	21.30	462.85
PZ-106-SD	463.84	14.51	449.33
PZ-111-SD	466.57	33.49	433.08
PZ-209-SD	489.58	23.71	465.87
PZ-210-SD	487.00	25.29	461.71
PZ-211-SD	487.46	22.39	465.07
PZ-212-SD	482.72	14.98	467.74
Keokuk Zone			
PZ-100-KS	486.36	23.52	462.84
PZ-104-KS	484.60	17.19	467.41
PZ-106-KS	464.73	2.59	462.14
PZ-111-KS	465.80	6.98	458.82

Notes:

1 - Top of PVC casing elevations are from surveys on 8/13, 8/21-22, 8/29, 8/31/2012; 10/21-10/22/2013; 9/15/2014; 11/12/2014; 4/7/2016; 9/18/2016; 1/30/2017; and 9/6/17.

2 - Depth to water measurements recorded by Feezor Engineering, Inc. on 8/28/2017; with the exception of PZ-111-SS, which was on 8/30/17 once well install completed.

** - Top of PVC casing elevations from Groundwater Monitoring Report, October 2013 Event, West Lake Landfill Operable Unit 1, dated February 21, 2014 by Engineering Management Support Inc.*

Leachate Elevation Summary Table
Bridgeton Landfill, LLC

Sumps Where Depth to Leachate from Surface is Measured					
Leachate Collection Sump	**Ground Surface Elevation[1] (fmsl)**	**Total Depth of Sump[1] (ft)**	**Depth to Leachate (ft)**	**Height of Leachate Above Base of Sump (ft)**	**Elevation of Leachate (fmsl)**
LCS-1D	499.22	247.00	NM[4]	NM[4]	NM[4]
LCS-3D	---[3]	140.00[3]	19.00	121.00	NM[3]
LCS-4B	551.60	256.60	> 74.00[2]	< 182.60[2]	< 477.60[2]

Sumps Where Height of Leachate Above Transducer is Measured					
Leachate Collection Sump	**Elevation of Base of Sump[1] (fmsl)**	**Height of Transducer Above Base of Sump (ft)**	**Height of Leachate Above Transducer (ft)**	**Height of Leachate Above Base of Sump (ft)**	**Elevation of Leachate (fmsl)**
LCS-2D	235.92	14.40	NM[4]	NM[4]	NM[4]
LCS-5B	235.30	21.90	13.00	34.90	270.20
LCS-6B	429.52	9.40	11.70	21.10	450.62

Notes:
Depths and heights of leachate recorded by Bridgeton Landfill personnel on 8/30/17.
1 - Ground surface elevations, sump total depths, and base of sump elevations are from as-built diagrams unless otherwise noted: LCS-1D - Aquaterra, 10/7/2009; LCS-2D - Aquaterra, 12/19/2008; LCS-4B - Aquaterra, 1/22/2010; LCS-5A - Aquaterra, 11/21/2005; LCS-6B - Aquaterra, 1/4/2010.
2 - Depth to leachate at LCS-4B was greater than the transducer during 5/1/17 event. Exact depths and elevations not available.
3 - LCS-3D not surveyed. As-built not available. Total depth provided by Bridgeton landfill, LLC.
4 - The transducer at LCS-1D and LCS-2D was not operational during the 8/30/17 event. Scheduled for maintenance.

FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-SS	8/23/17	0804	29.35	30.78	160.23	160.28	
PZ-114-AS		0822	18.53	18.25	26.35 (Top of Pump)	26.04 (Top of Pump)	
PZ-115-SS		0823	14.26	12.61	81.09 (Top of Pump)	81.03 (Top of Pump)	
PZ-116-SS		1005	13.06	12.69	142.71 (Top of Pump)	142.87 (Top of Pump)	
PZ-200-SS		0835	21.70	21.85	99.30	99.35	Labeled as GMP-7
PZ-201A-SS		0840	11.68	11.75	86.36 (Top of Pump)	86.28 (Top of Pump)	
PZ-202-SS		0922	12.40	10.45	85.20 (Top of Pump)	85.19 (Top of Pump)	
PZ-203-SS		0954	24.85	23.99	111.19	111.29	
PZ-204-SS		1059	8.65	8.33	87.98	87.98	
PZ-204A-SS		1057	4.98	3.95	84.55	84.74	
PZ-205-AS		1020	31.32	32.25	53.84	53.85	
PZ-205-SS		1019	29.65	30.54	93.00 (Top of Pump)	92.84 (Top of Pump)	
PZ-206-SS		1050	27.73	28.85	129.95	129.85	
PZ-207-AS		0813	29.93	31.25	38.92	38.94	
PZ-208-SS		0845	19.69	17.59	100.37	100.35	
PZ-209-SD		0919	23.71	23.36	101.39 (Top of Pump)	101.40 (Top of Pump)	
PZ-209-SS		0917	22.09	20.94	99.98 (Top of Pump)	99.89 (Top of Pump)	
PZ-210-SD		0951	25.29	24.94	101.49 (Top of Pump)	101.60 (Top of Pump)	
PZ-210-SS		0950	25.95	24.59	101.56 (Top of Pump)	101.46 (Top of Pump)	
PZ-211-SD		0937	22.32	20.97	99.18 (Top of Pump)	99.02 (Top of Pump)	
PZ-211-SS		0935	20.41	19.44	98.19 (Top of Pump)	98.12 (Top of Pump)	
PZ-212-SD		0930	14.98	13.72	92.61 (Top of Pump)	92.76 (Top of Pump)	
PZ-212-SS		0929	13.65	7.40	93.95 (Top of Pump)	93.89 (Top of Pump)	
S-84	8/22/17	0816	24.55	25.52	32.61	32.71	

APPENDIX C
STATISTICAL EVALUATIONS
ALLUVIAL ZONE

TREND EVALUATION OF BACKGROUND DATA

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Ammonia as N (mg/L)	**114-AS (bg)**	**0.1801**	**228**	**201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Antimony Total (ug/L)	114-AS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	**114-AS (bg)**	**8.736**	**461**	**201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Barium Total (ug/L)	114-AS (bg)	-5.956	-105	-201	No	40	0	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	114-AS (bg)	0	48	201	No	40	100	n/a	n/a	0.02	NP
Boron Total (ug/L)	114-AS (bg)	1.752	97	201	No	40	0	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	114-AS (bg)	0	-23	-201	No	40	92.5	n/a	n/a	0.02	NP
Calcium Total (ug/L)	**114-AS (bg)**	**-5729**	**-357**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chemical Oxygen Demand [COD] (m...	114-AS (bg)	1.213	105	201	No	40	7.5	n/a	n/a	0.02	NP
Chloride (mg/L)	114-AS (bg)	0.3415	24	201	No	40	0	n/a	n/a	0.02	NP
Chromium Total (ug/L)	114-AS (bg)	0	-26	-201	No	40	97.5	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	**114-AS (bg)**	**-0.5659**	**-257**	**-201**	**Yes**	**40**	**37.5**	**n/a**	**n/a**	**0.02**	**NP**
Copper Total (ug/L)	114-AS (bg)	0	-63	-201	No	40	87.5	n/a	n/a	0.02	NP
Fluoride (mg/L)	114-AS (bg)	-0.00...	-78	-186	No	38	18.42	n/a	n/a	0.02	NP
Hardness Total (mg/L)	**114-AS (bg)**	**-21.28**	**-349**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Iron Total (ug/L)	**114-AS (bg)**	**4003**	**315**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Lead Total (ug/L)	114-AS (bg)	0	-28	-201	No	40	97.5	n/a	n/a	0.02	NP
Magnesium Total (ug/L)	**114-AS (bg)**	**-1865**	**-374**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Manganese Total (ug/L)	**114-AS (bg)**	**-200.1**	**-316**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Mercury Total (ug/L)	114-AS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Nickel Total (ug/L)	114-AS (bg)	0	-18	-201	No	40	62.5	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	114-AS (bg)	0	-70	-201	No	40	82.5	n/a	n/a	0.02	NP
pH [Field] (su)	114-AS (bg)	0.009101	132	201	No	40	0	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	**114-AS (bg)**	**0.09466**	**401**	**201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Selenium Total (ug/L)	114-AS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	114-AS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Sodium Total (ug/L)	114-AS (bg)	-1530	-101	-201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	114-AS (bg)	-24.95	-118	-201	No	40	0	n/a	n/a	0.02	NP
Sulfate as SO4 (mg/L)	**114-AS (bg)**	**-1.916**	**-459**	**-201**	**Yes**	**40**	**37.5**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**114-AS (bg)**	**-0.08238**	**-378**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Total Dissolved Solids [TDS] (m...	**114-AS (bg)**	**-21.33**	**-230**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Total Organic Carbon [TOC] (mg/L)	114-AS (bg)	0.2132	83	201	No	40	10	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	114-AS (bg)	0	30	201	No	40	95	n/a	n/a	0.02	NP
Zinc Total (ug/L)	114-AS (bg)	0	-135	-201	No	40	90	n/a	n/a	0.02	NP

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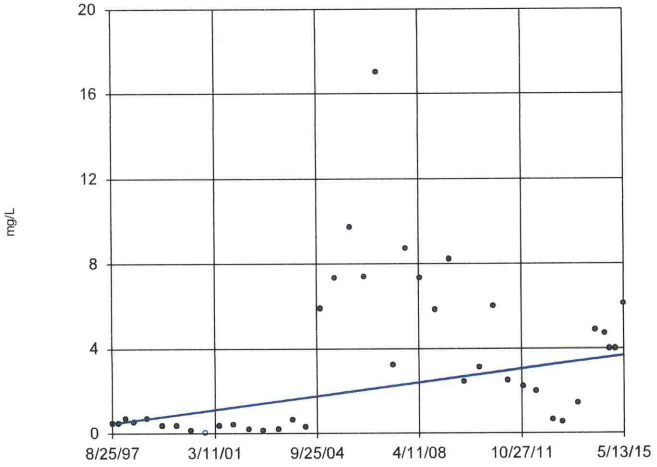
Hollow symbols indicate censored values.

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = 0.1801 units per year.

Mann-Kendall statistic = 228
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Ammonia as N Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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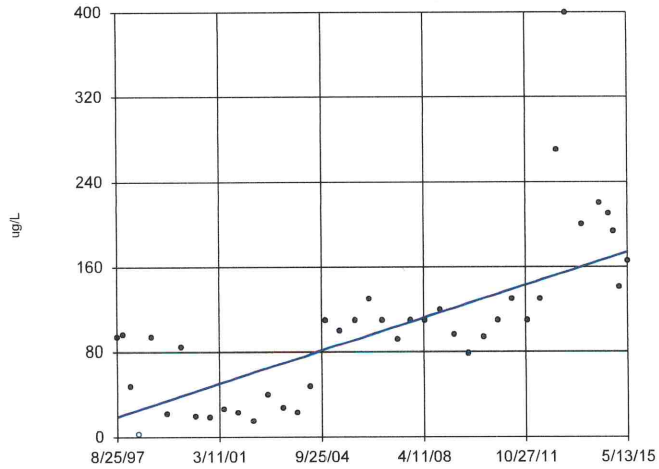
Hollow symbols indicate censored values.

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = 8.736 units per year.

Mann-Kendall statistic = 461
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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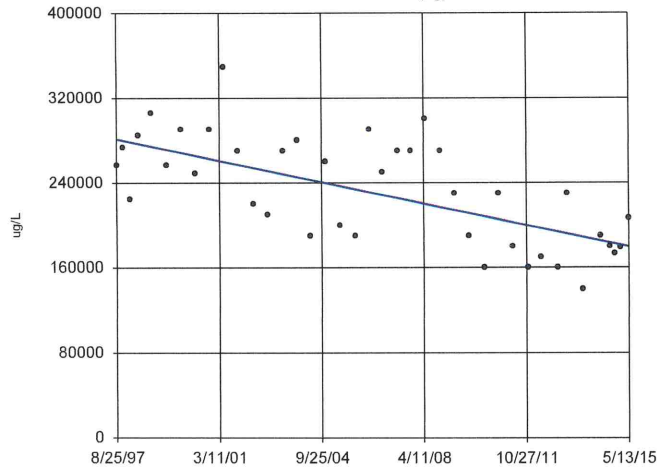
Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = -5729 units per year.

Mann-Kendall statistic = -357
critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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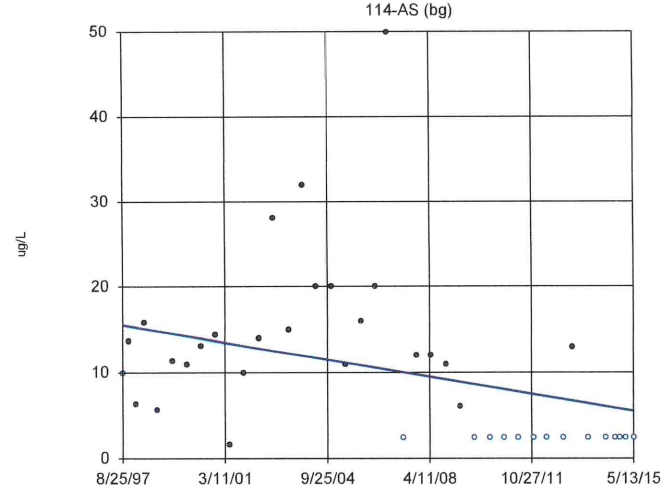
Hollow symbols indicate censored values.

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = -0.5659 units per year.

Mann-Kendall statistic = -257
critical = -201

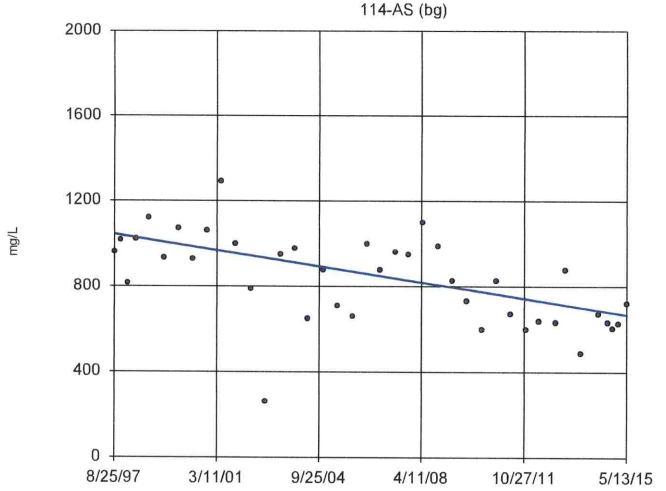
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = -21.28 units per year.

Mann-Kendall statistic = -349
critical = -201

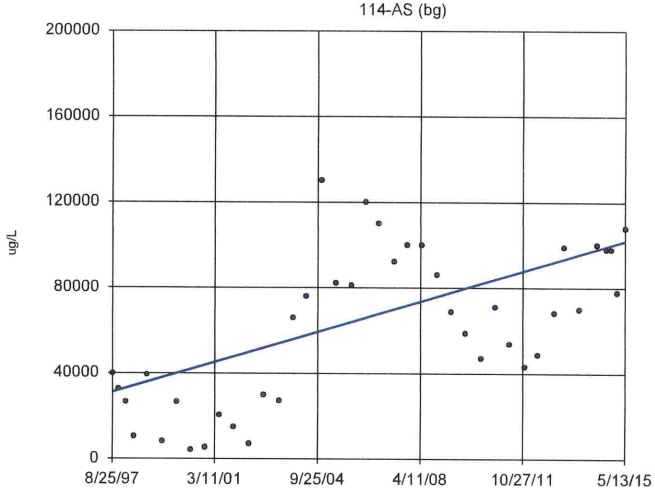
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Hardness Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = 4003 units per year.

Mann-Kendall statistic = 315
critical = 201

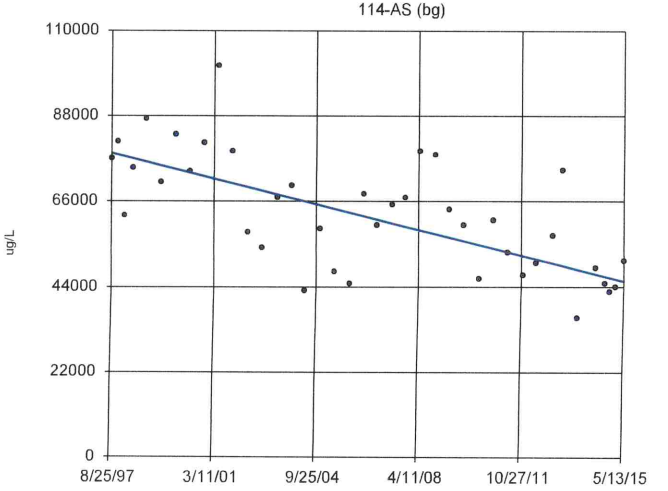
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Iron Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = -1865 units per year.

Mann-Kendall statistic = -374
critical = -201

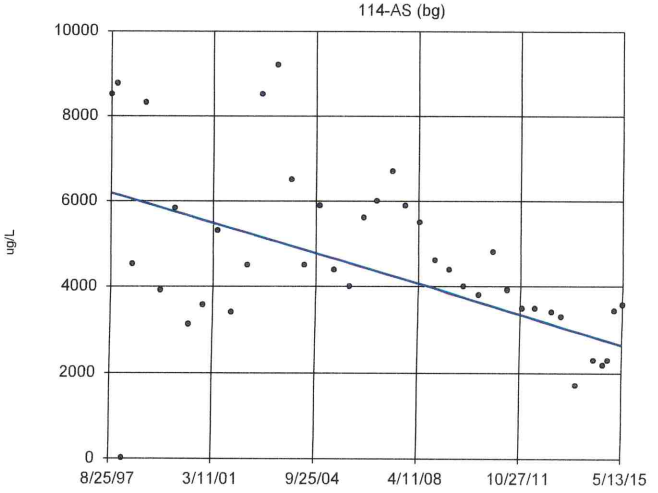
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = -200.1 units per year.

Mann-Kendall statistic = -316
critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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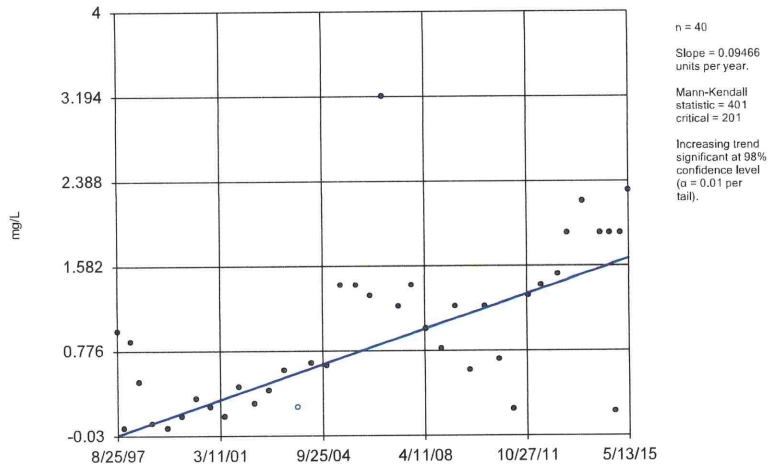
Hollow symbols indicate censored values.

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = 0.09466 units per year.

Mann-Kendall statistic = 401
critical = 201

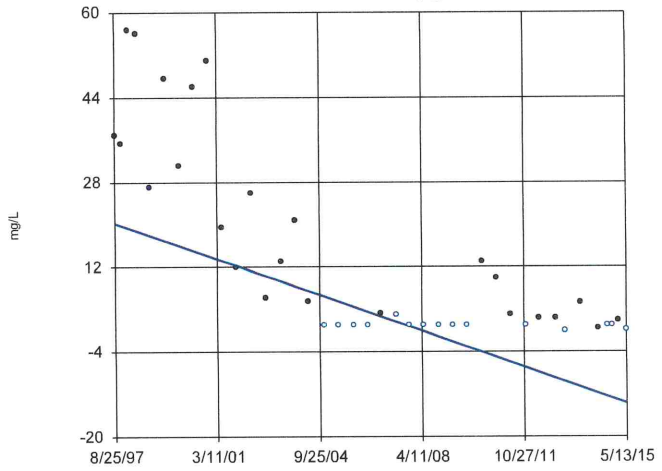
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Phosphorus Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = -1.916 units per year.

Mann-Kendall statistic = -459
critical = -201

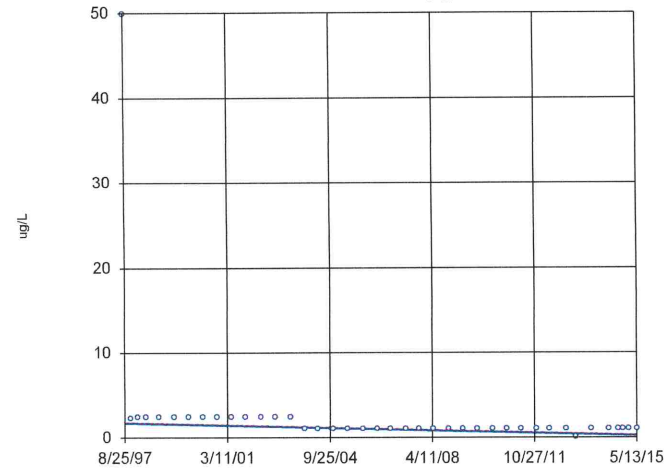
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = -0.08238 units per year.

Mann-Kendall statistic = -378
critical = -201

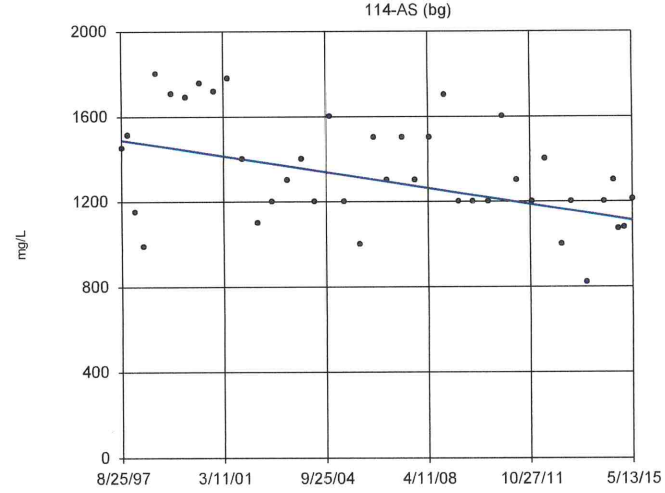
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

114-AS (bg)



n = 40

Slope = -21.33 units per year.

Mann-Kendall statistic = -230
critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:01 PM
Bridgeton LF Client: RSI Data: BRIDGETON

INTRA-WELL PREDICTION LIMITS

Background data were evaluated for increasing statistical trends (or either increasing or decreasing trends for field pH). In those cases where the background data were determined to exhibit a statistical trend, typically the most recent background data were excluded until the data no longer exhibited a statistical trend. For each of the constituent-well pairs listed below, the specified modified background data period was utilized in the determination of the intra-well prediction limit.

Alluvial Zone

- Ammonia as N at PZ-114-AS (8/97 through 9/14)
- Arsenic (Total) at PZ-114-AS (8/97 through 11/07)
- Iron (Total) at PZ-114-AS (8/97 through 5/06)
- Phosphorus (Total) at PZ-114-AS (8/97 through 11/05)

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 2:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony Total (ug/L)	114-AS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Barium Total (ug/L)	**114-AS**	**1100**	**n/a**	**8/29/2017**	**1140**	**Yes**	**40**	**6.583**	**0.2171**	**0**	**None**	**ln(x)**	**0.0007744**	**Param Intra 1 of 2**
Beryllium Total (ug/L)	114-AS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	114-AS	660	n/a	8/29/2017	374	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Cadmium Total (ug/L)	114-AS	5.9	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	92.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Calcium Total (ug/L)	114-AS	340000	n/a	8/29/2017	224000	No	40	232475	50510	0	None	No	0.0007744	Param Intra 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	114-AS	250	n/a	8/29/2017	49.4	No	40	3.906	1.151	7.5	None	x^(1/3)	0.0007744	Param Intra 1 of 2
Chloride (mg/L)	114-AS	600	n/a	8/29/2017	308	No	40	18.41	2.965	0	None	sqrt(x)	0.0007744	Param Intra 1 of 2
Chromium Total (ug/L)	114-AS	5.4	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	114-AS	50	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	37.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Copper Total (ug/L)	114-AS	110	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	87.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	114-AS	0.45	n/a	8/29/2017	0.27	No	25	0.2589	0.08723	8	None	No	0.0007744	Param Intra 1 of 2
Hardness Total (mg/L)	114-AS	1300	n/a	8/29/2017	804	No	40	828.3	205.5	0	None	No	0.0007744	Param Intra 1 of 2
Lead Total (ug/L)	114-AS	25	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Magnesium Total (ug/L)	114-AS	98000	n/a	8/29/2017	59600	No	40	39.5	3.161	0	None	x^(1/3)	0.0007744	Param Intra 1 of 2
Manganese Total (ug/L)	114-AS	10000	n/a	8/29/2017	4310	No	39	8.401	0.3974	0	None	ln(x)	0.0007744	Param Intra 1 of 2
Mercury Total (ug/L)	114-AS	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	114-AS	84	n/a	8/29/2017	5ND	No	40	n/a	n/a	62.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	114-AS	5.0	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
pH [Field] (su)	114-AS	7	6.2	8/29/2017	6.46	No	37	1.888	0.02947	0	None	ln(x)	0.0003872	Param Intra 1 of 2
Selenium Total (ug/L)	114-AS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	114-AS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Sodium Total (ug/L)	114-AS	330000	n/a	8/29/2017	138000	No	40	12.09	0.2948	0	None	ln(x)	0.0007744	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	114-AS	3400	n/a	8/29/2017	2280	No	39	2313	528.9	0	None	No	0.0007744	Param Intra 1 of 2
Sulfate (mg/L)	114-AS	57	n/a	8/29/2017	4.5	No	40	n/a	n/a	37.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Thallium Total (ug/L)	114-AS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	114-AS	2000	n/a	8/29/2017	1300	No	40	7.186	0.1882	0	None	ln(x)	0.0007744	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	114-AS	44	n/a	8/29/2017	14.3	No	40	2.244	0.6242	10	None	x^(1/3)	0.0007744	Param Intra 1 of 2
Vanadium Total (ug/L)	114-AS	12	n/a	8/29/2017	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	114-AS	48	n/a	8/29/2017	10ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

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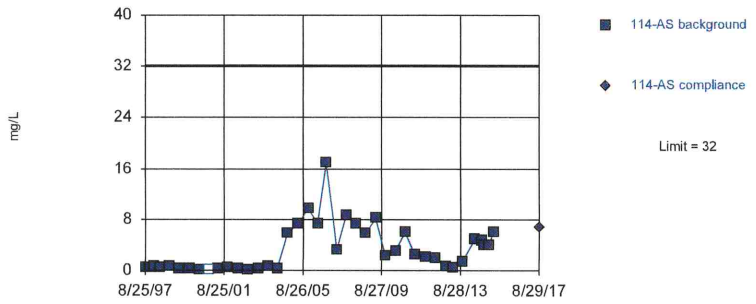
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=0.3567, Std. Dev.=1.493, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9353, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Ammonia as N Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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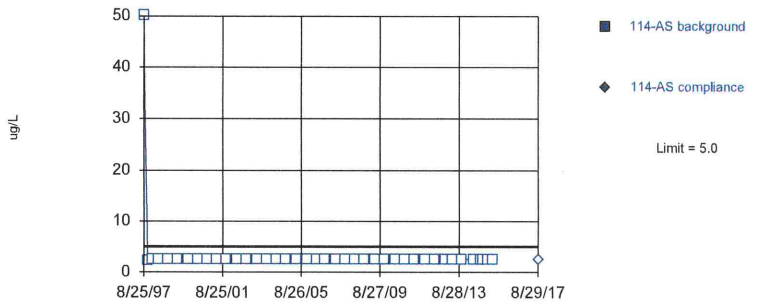
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Antimony Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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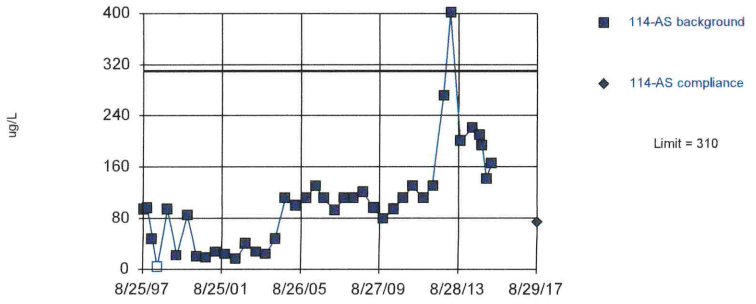
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=9.554, Std. Dev.=3.815, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9585, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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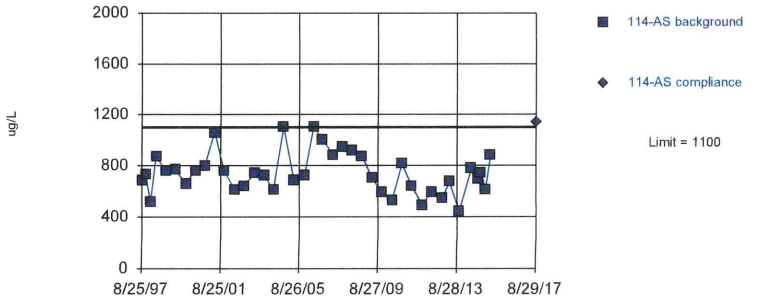
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.583, Std. Dev.=0.2171, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9819, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Barium Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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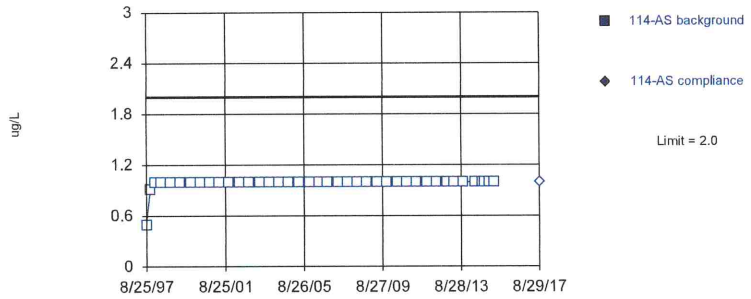
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Beryllium Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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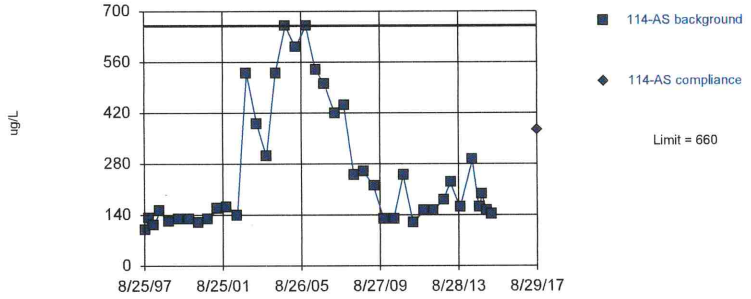
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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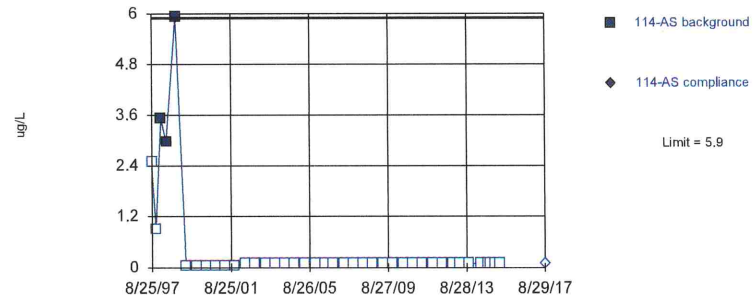
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cadmium Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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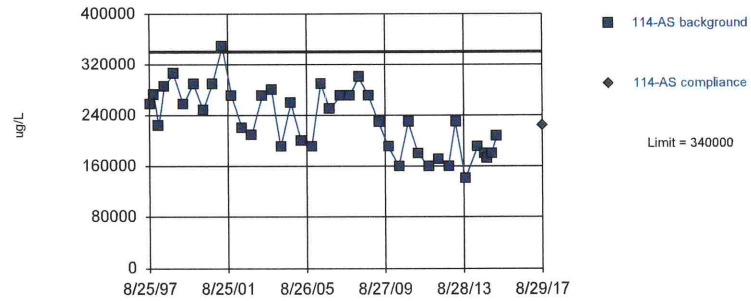
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=232475, Std. Dev.=50510, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9565, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Calcium Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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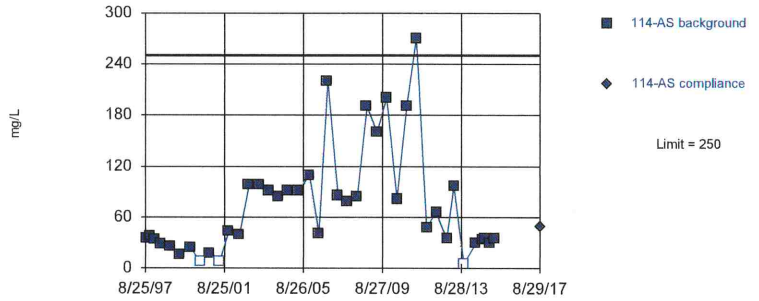
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=3.906, Std. Dev.=1.151, n=40, 7.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9581, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 2:11 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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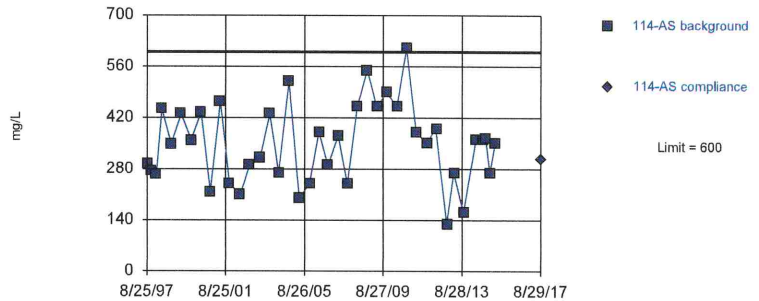
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=18.41, Std. Dev.=2.965, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9847, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chloride Analysis Run 9/20/2017 2:11 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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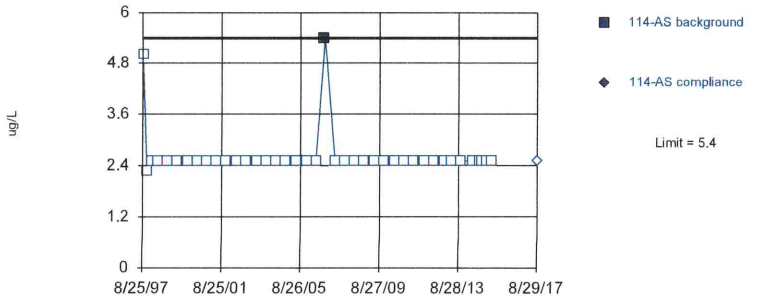
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 2:11 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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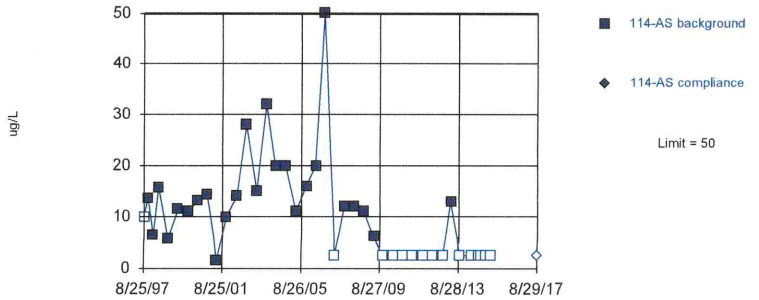
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cobalt Total Analysis Run 9/20/2017 2:11 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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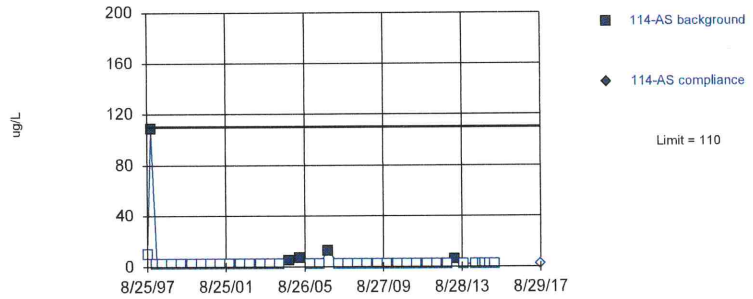
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Copper Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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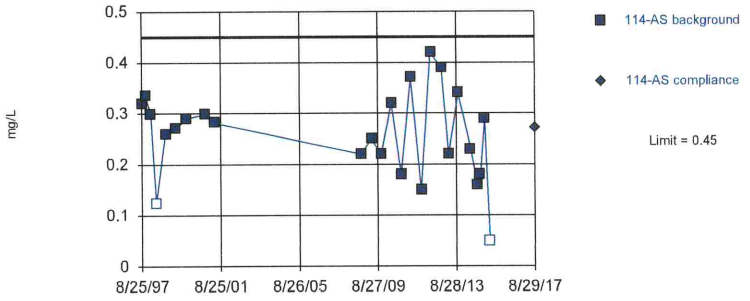
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.2589, Std. Dev.=0.08723, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9851, critical = 0.888. Kappa = 2.19 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. Rosner's outlier test was performed on the background data. One background outlier was removed: 1.23 (5/23/2000).

Constituent: Fluoride Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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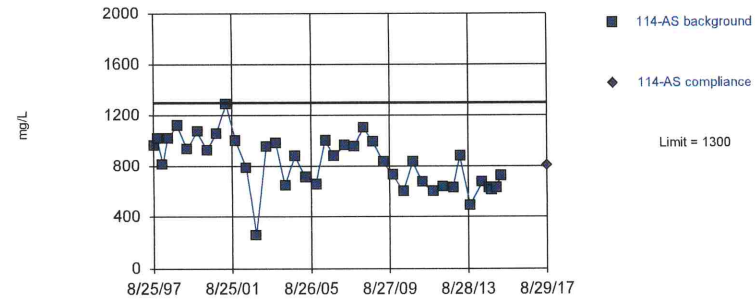
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=828.3, Std. Dev.=205.5, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9694, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Hardness Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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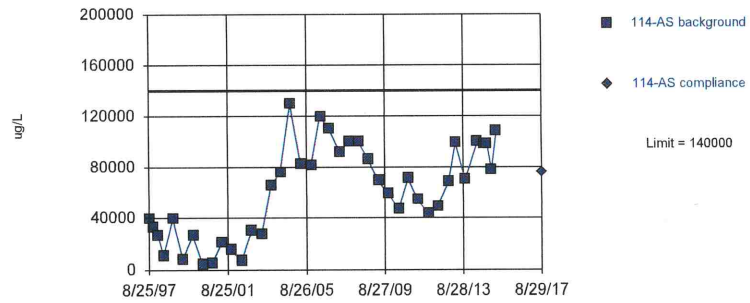
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=61149, Std. Dev.=35851, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9461, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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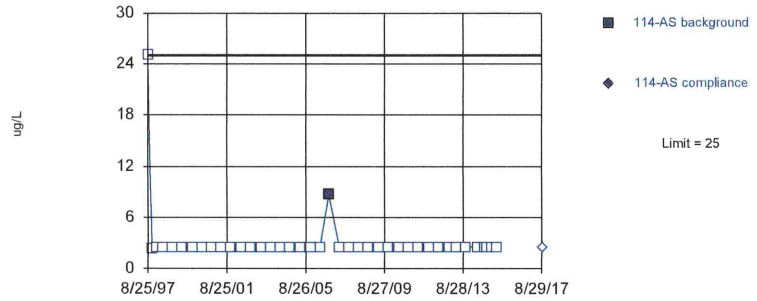
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Lead Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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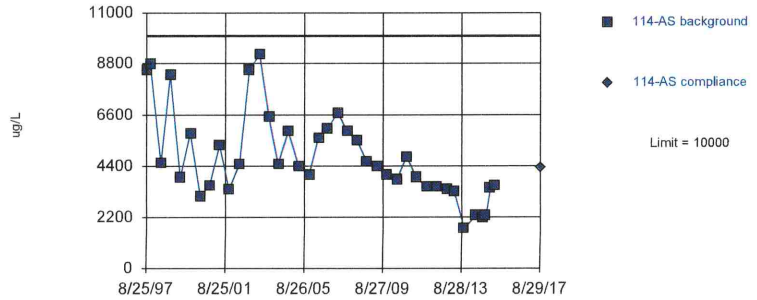
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=8.401, Std. Dev.=0.3974, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.966, critical = 0.917. Kappa = 2.081 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. Rosner's outlier test was performed on the background data. One background outlier was removed: 6.38 (2/16/1998).

Constituent: Manganese Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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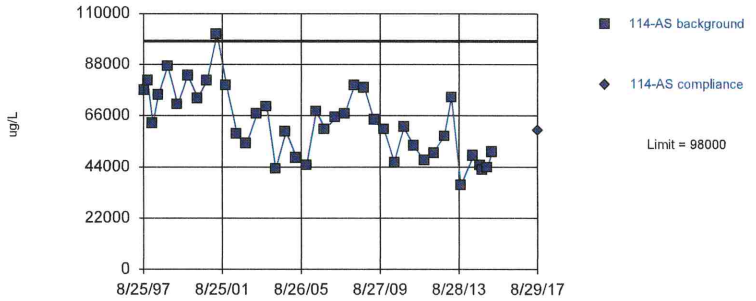
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=39.5, Std. Dev.=3.161, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.974, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

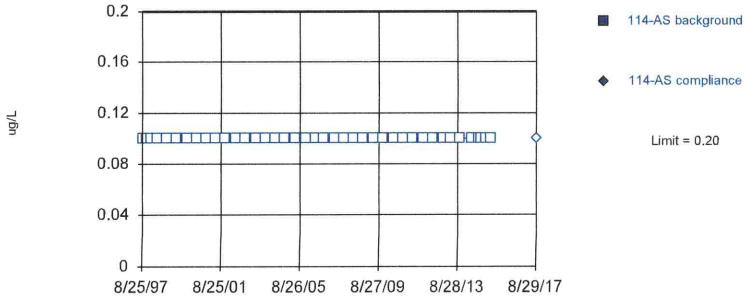
Constituent: Magnesium Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

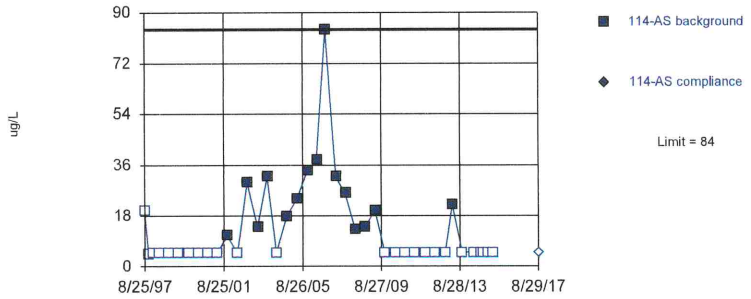
Constituent: Mercury Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

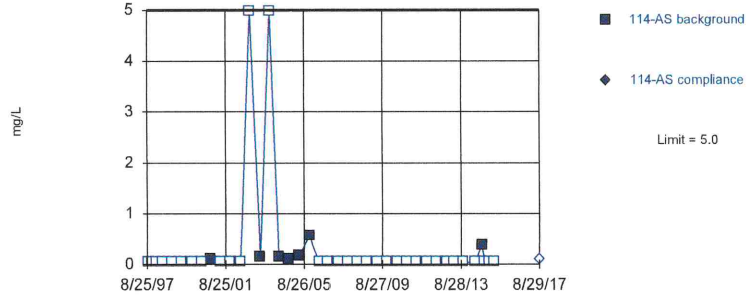
Constituent: Nickel Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

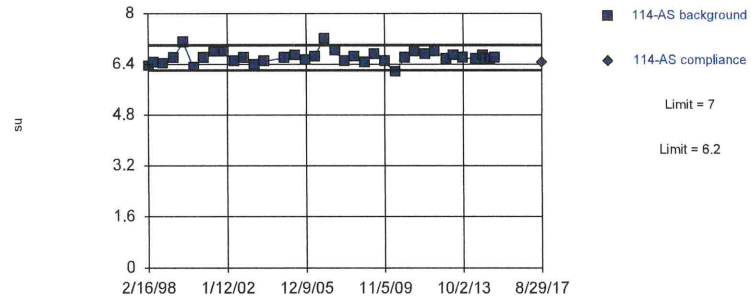
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.888, Std. Dev.=0.02947, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9517, critical = 0.914. Kappa = 2.092 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. Rosner's outlier test was performed on the background data. Three background outliers were removed: 5.8 (8/25/1997); 5.91 (11/10/1997); 7.5 (5/11/2004).

Constituent: pH [Field] Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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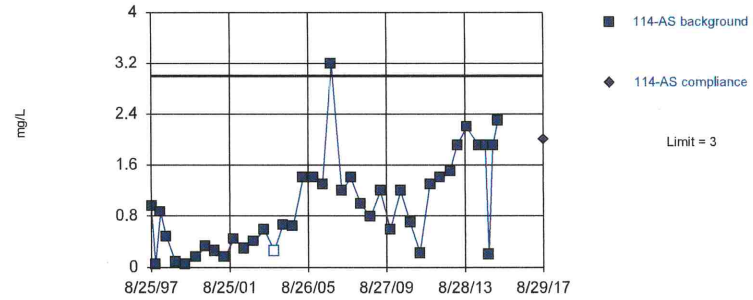
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.9028, Std. Dev.=0.3956, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9676, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Phosphorus Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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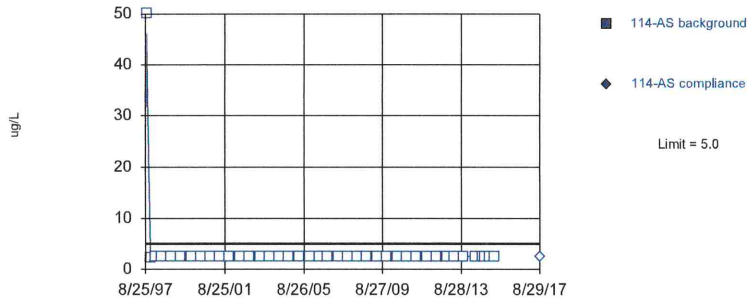
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

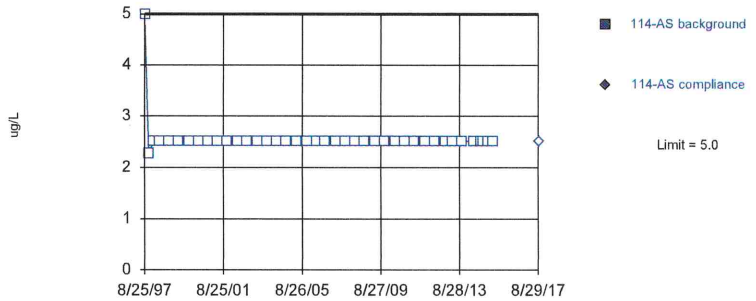
Constituent: Selenium Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Silver Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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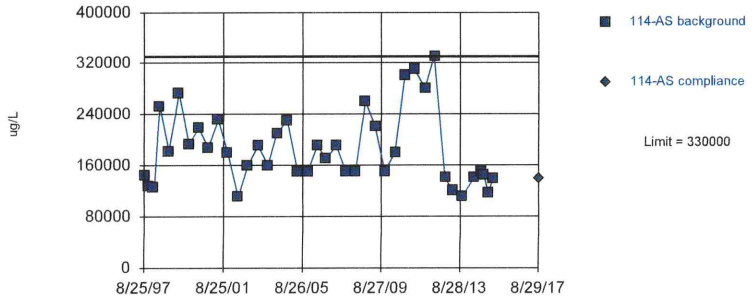
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=12.09, Std. Dev.=0.2948, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9539, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

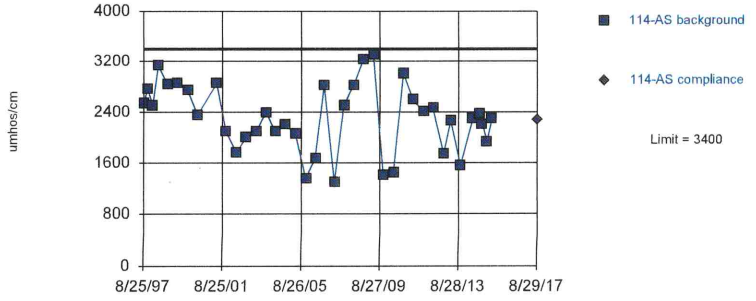
Constituent: Sodium Total Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2313, Std. Dev.=528.9, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9683, critical = 0.917. Kappa = 2.081 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. Rosner's outlier test was performed on the background data. One background outlier was removed: 280 (11/13/2000).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 2:11 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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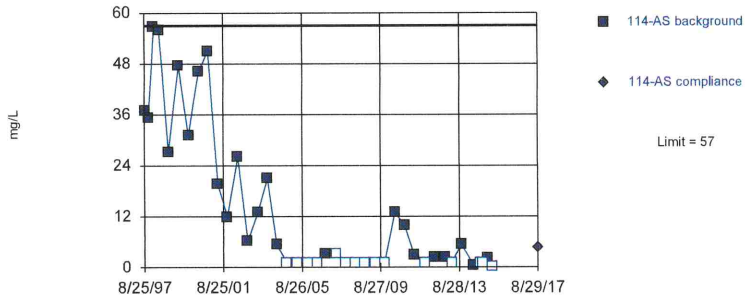
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Sulfate Analysis Run 9/20/2017 2:12 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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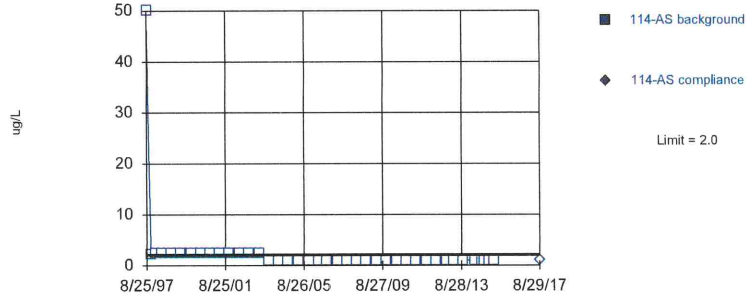
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

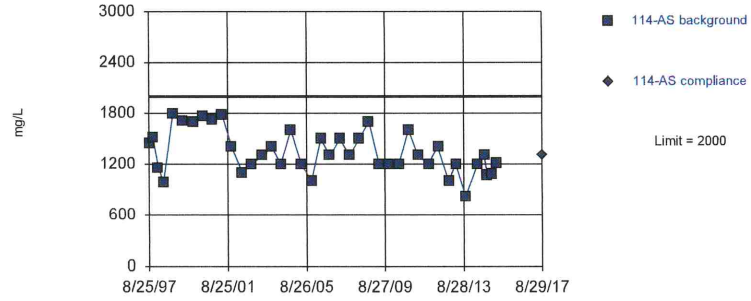
Constituent: Thallium Total Analysis Run 9/20/2017 2:12 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=7.186, Std. Dev.=0.1882, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9567, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

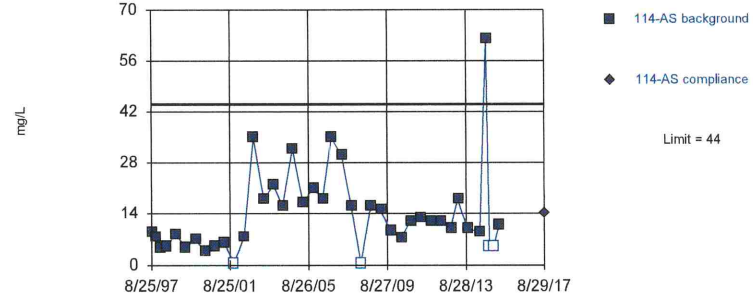
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 2:12 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=2.244, Std. Dev.=0.6242, n=40, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9684, critical = 0.919. Kappa = 2.076 (c=34, w=1, 1 of 2, event alpha = 0.026). Report alpha = 0.0007744. Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 2:12 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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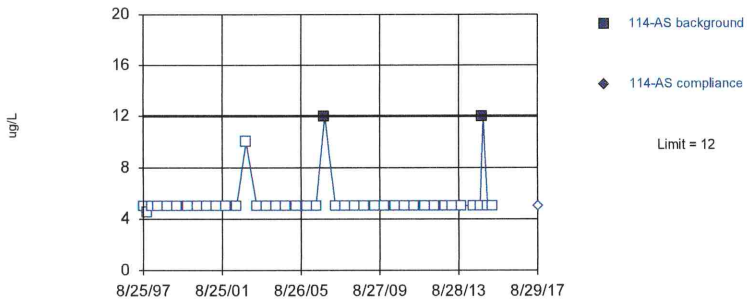
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Vanadium Total Analysis Run 9/20/2017 2:12 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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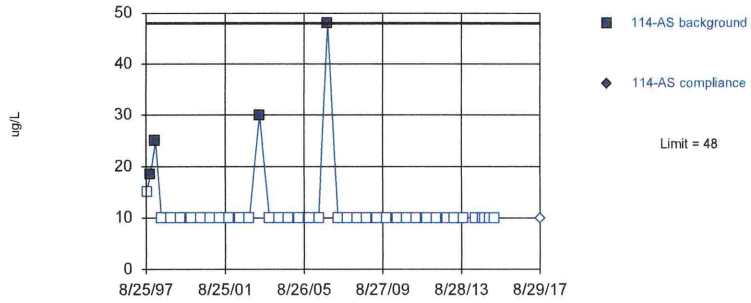
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Zinc Total Analysis Run 9/20/2017 2:12 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 4:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Ammonia as N (mg/L)	114-AS	68	n/a	8/29/2017	6.8	No	37	0.2618	1.512	2.703	None	ln(x)	0.00009683	Param Intra 1 of 2
Arsenic Total (ug/L)	114-AS	240	n/a	8/29/2017	73.5	No	23	7.394	2.888	4.348	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Iron Total (ug/L)	114-AS	240000	n/a	8/29/2017	75500	No	20	31.84	10.42	0	None	x^(1/3)	0.00009683	Param Intra 1 of 2
Phosphorus Total (mg/L)	114-AS	2.8	n/a	8/29/2017	2	No	19	0.7295	0.2274	5.263	None	x^(1/3)	0.00009683	Param Intra 1 of 2

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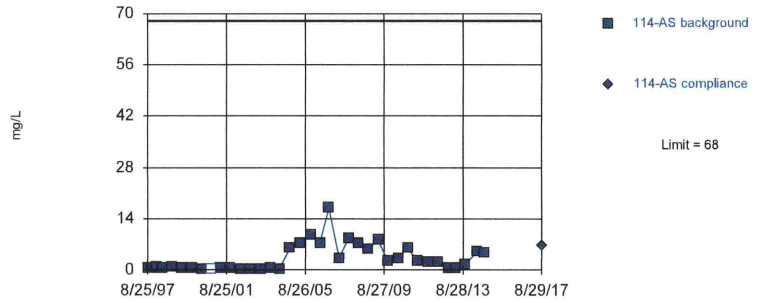
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=0.2618, Std. Dev.=1.512, n=37, 2.703% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9423, critical = 0.914. Kappa = 2.62 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:58 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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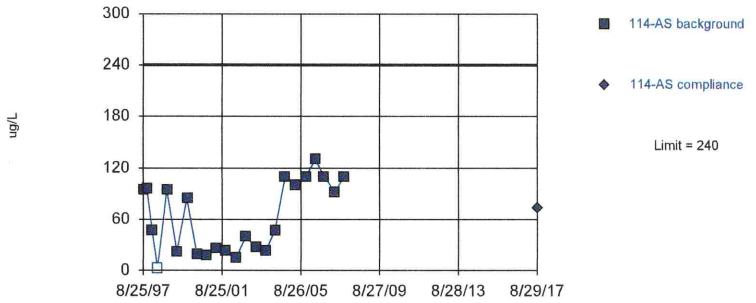
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=7.394, Std. Dev.=2.888, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8921, critical = 0.881. Kappa = 2.839 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 3:58 PM

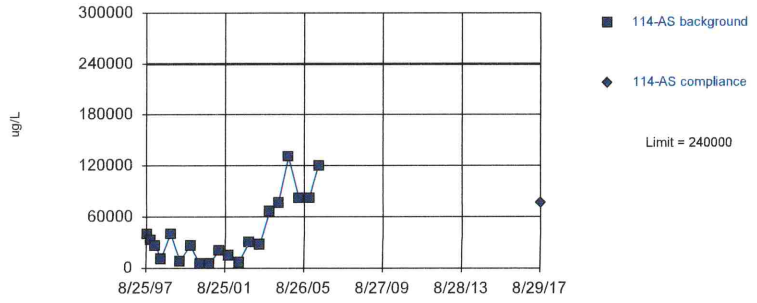
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=31.84, Std. Dev.=10.42, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.954, critical = 0.868. Kappa = 2.924 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 3:59 PM

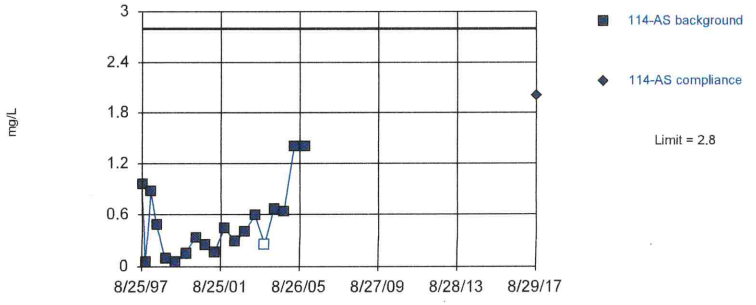
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.7295, Std. Dev.=0.2274, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9712, critical = 0.901. Kappa = 2.972 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:59 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

TIME SERIES GRAPHS

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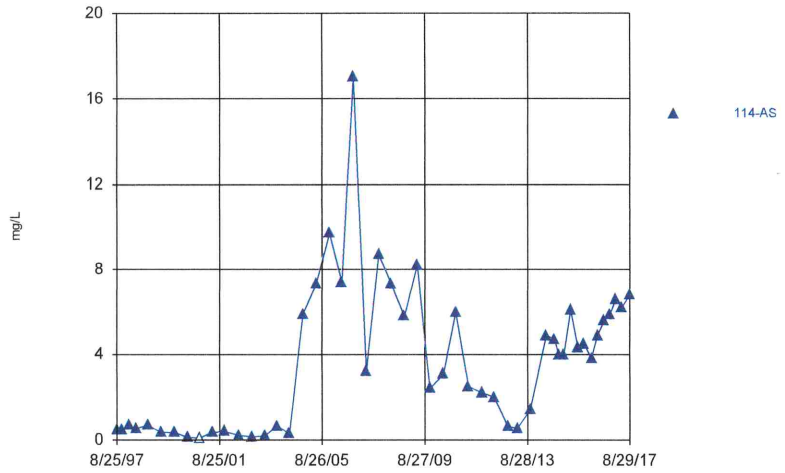
Hollow symbols indicate censored values.

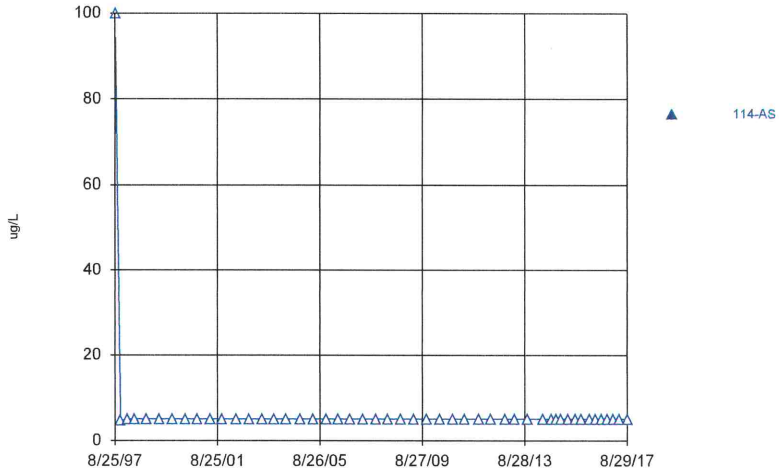
Time Series



Constituent: Ammonia as N Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

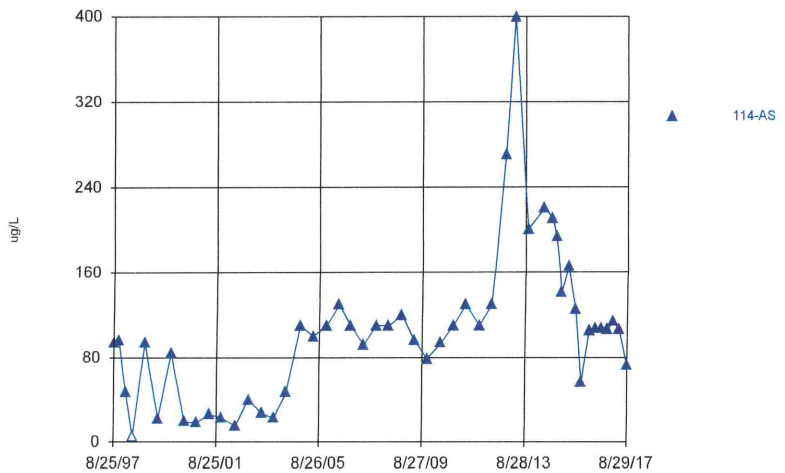
Time Series



Constituent: Antimony Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

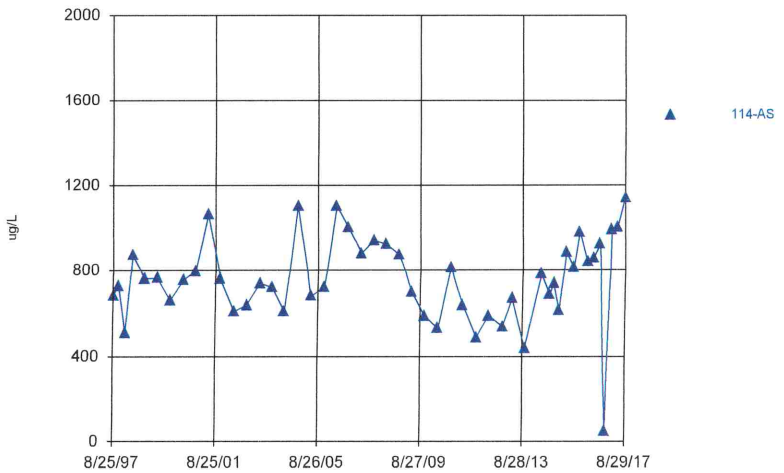
Time Series



Constituent: Arsenic Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

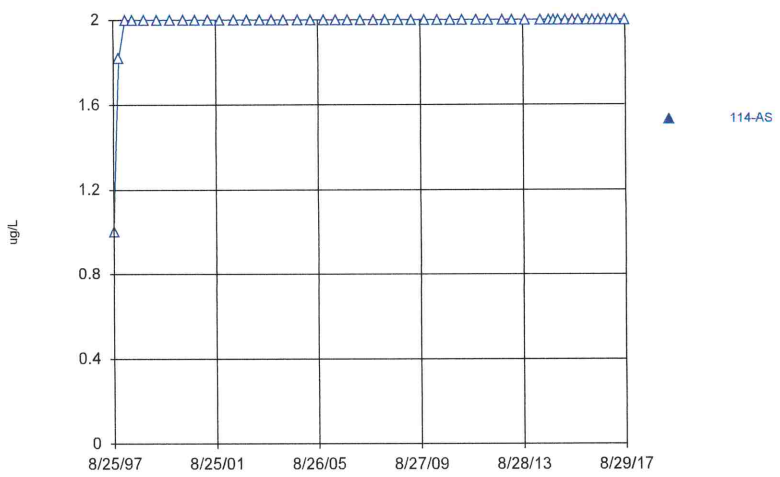
Time Series



Constituent: Barium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

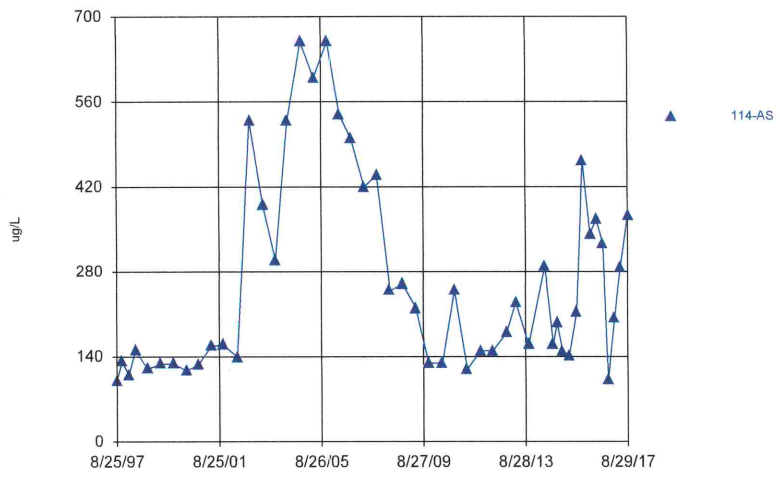
Time Series



Constituent: Beryllium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

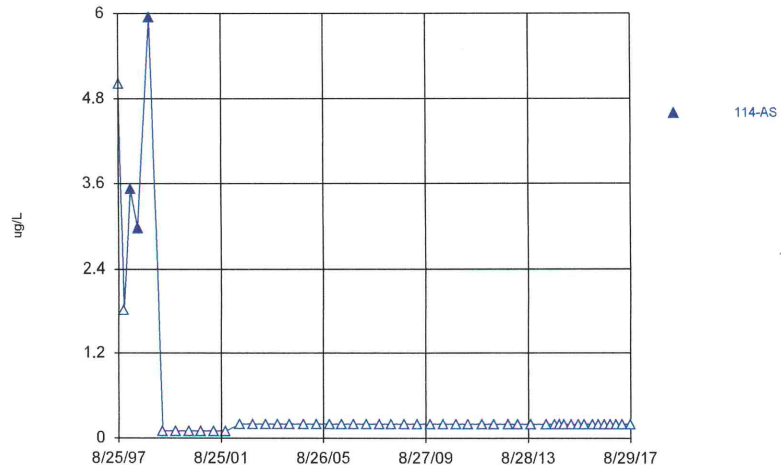
Time Series



Constituent: Boron Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

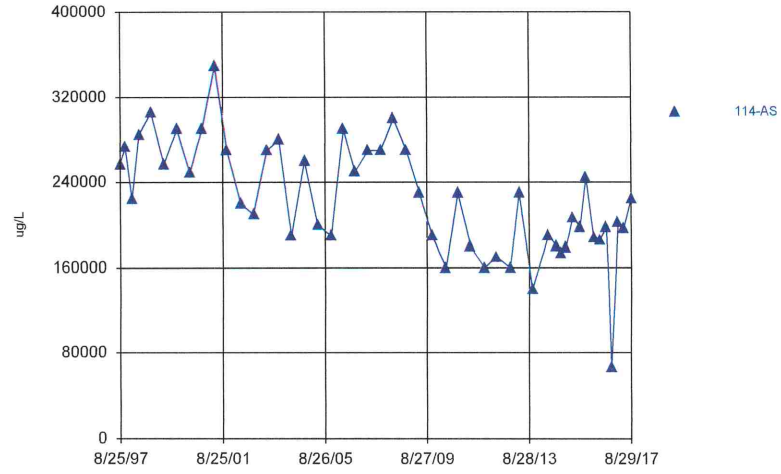
Time Series



Constituent: Cadmium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

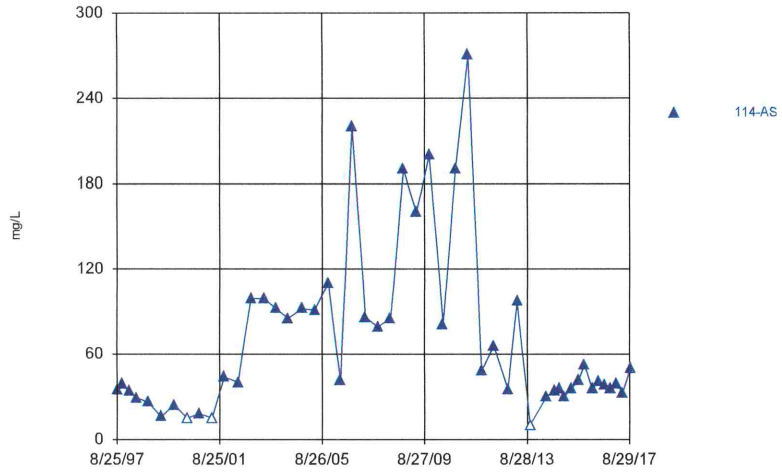
Time Series



Constituent: Calcium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

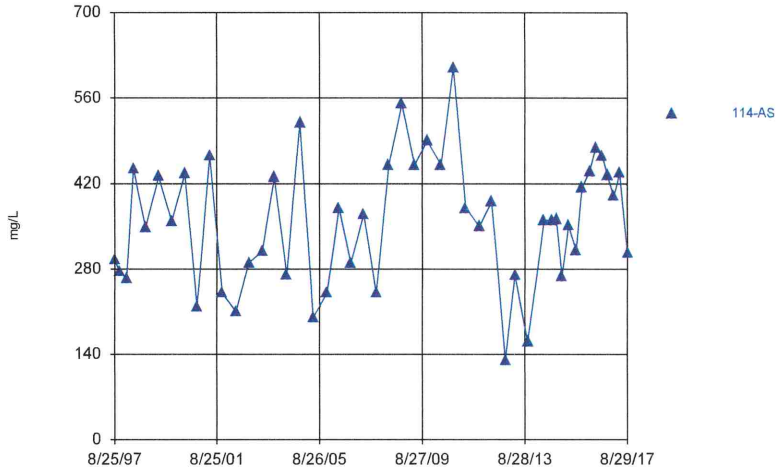
Time Series



Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

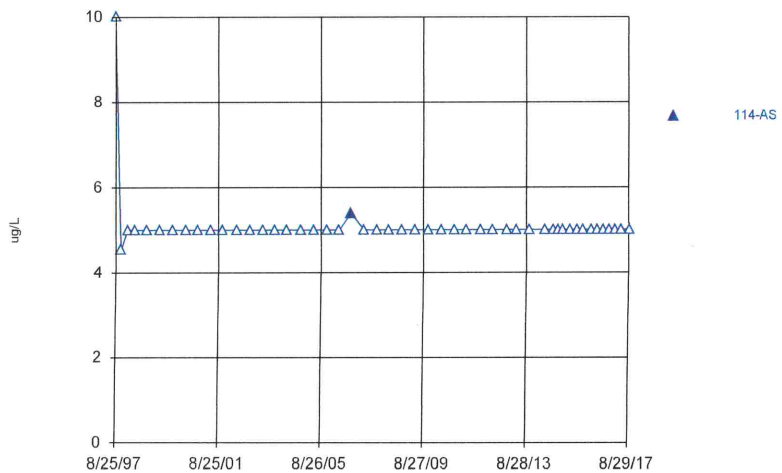
Time Series



Constituent: Chloride Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

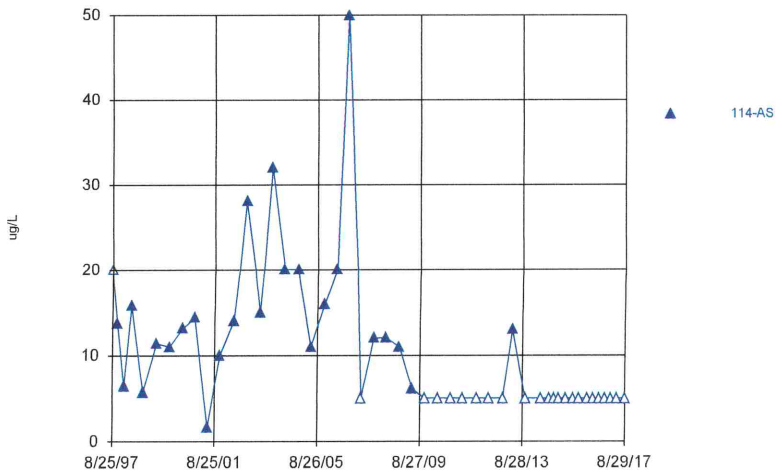
Time Series



Constituent: Chromium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

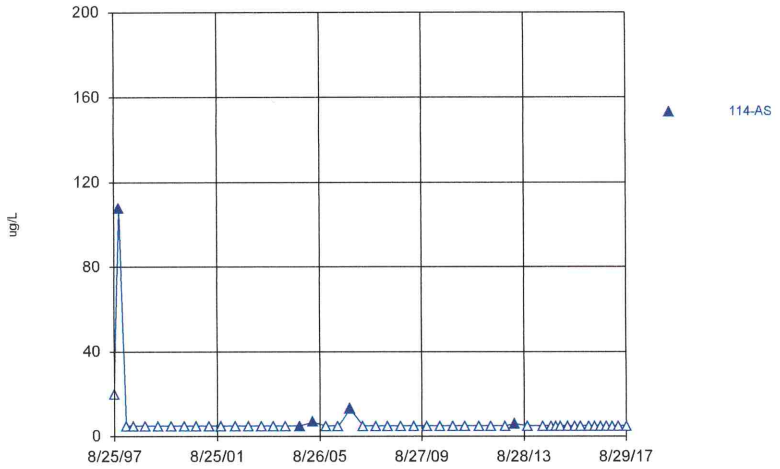
Time Series



Constituent: Cobalt Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

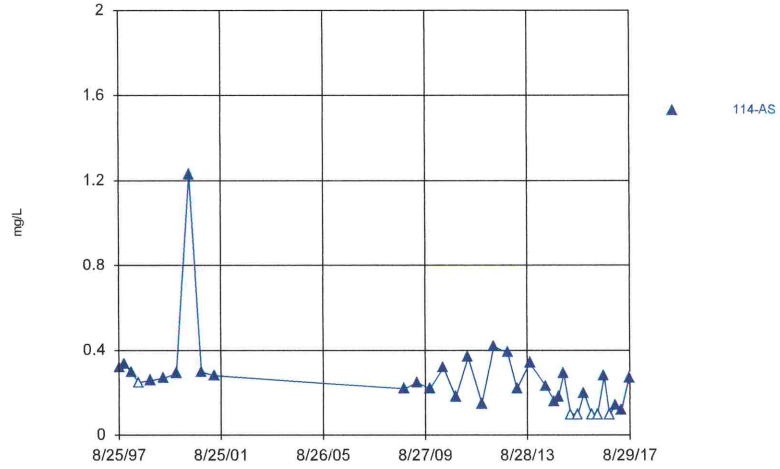
Time Series



Constituent: Copper Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

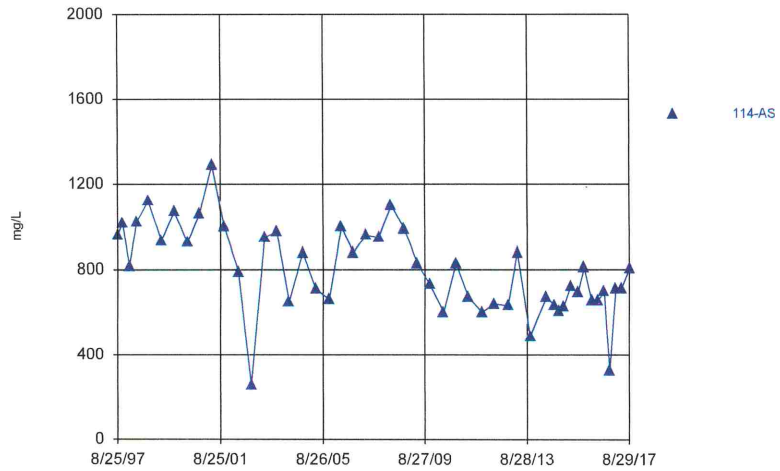
Time Series



Constituent: Fluoride Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

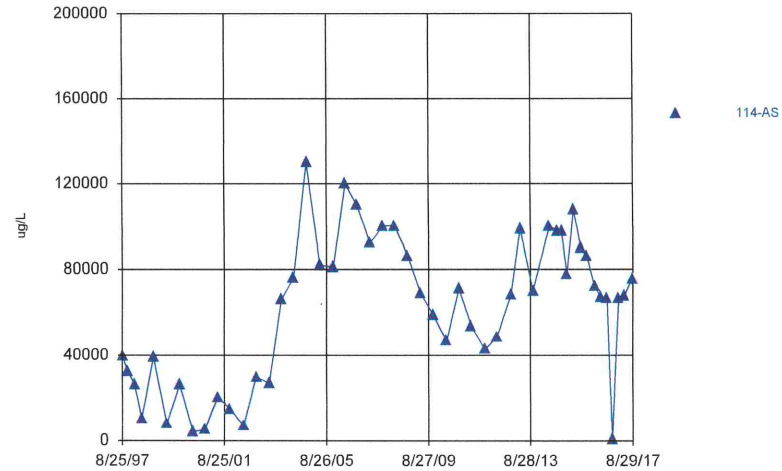
Time Series



Constituent: Hardness Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

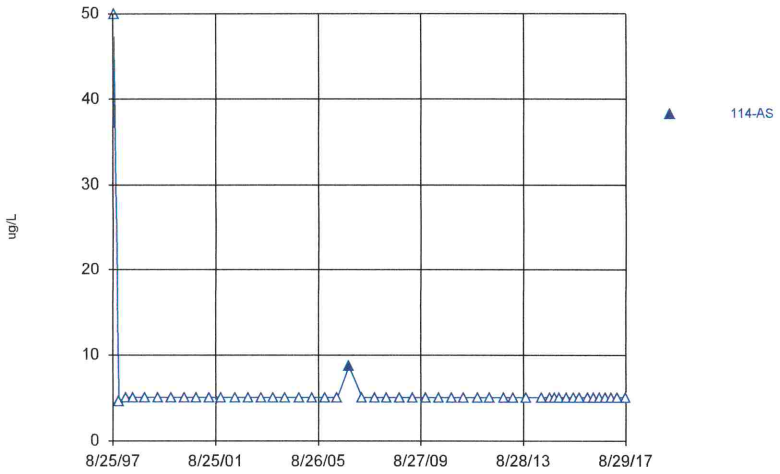
Time Series



Constituent: Iron Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

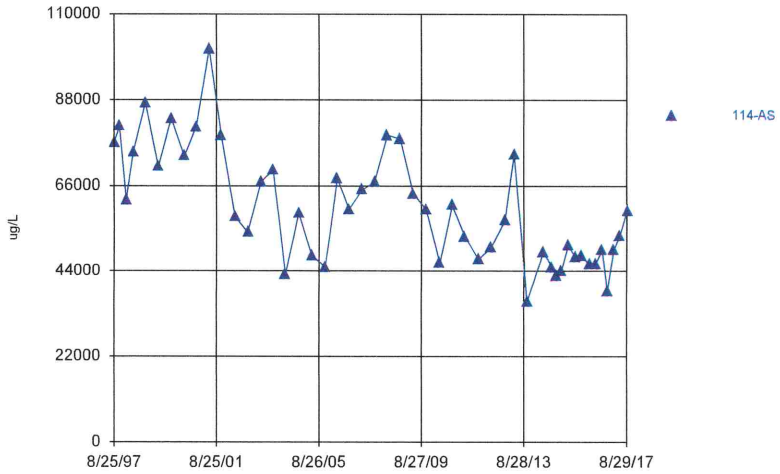
Time Series



Constituent: Lead Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

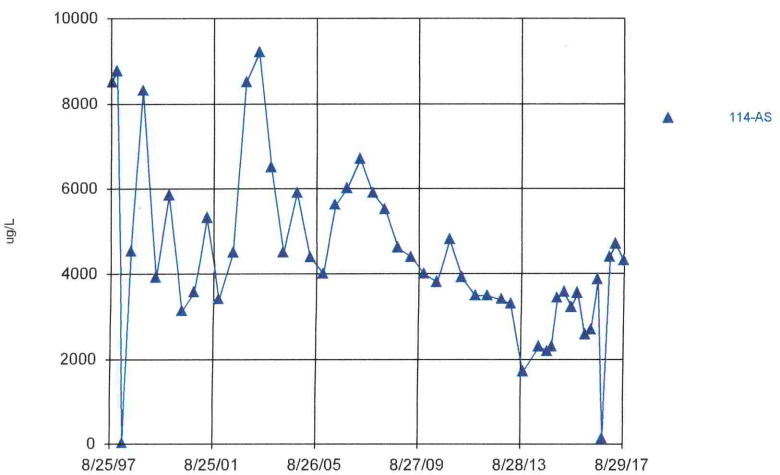
Time Series



Constituent: Magnesium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

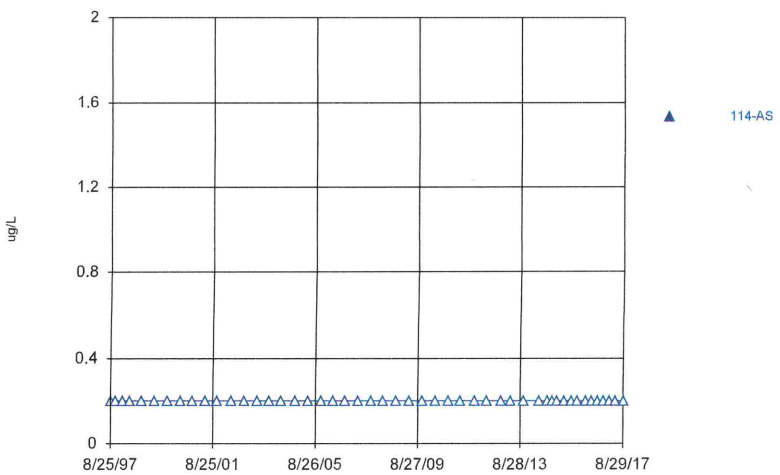
Time Series



Constituent: Manganese Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

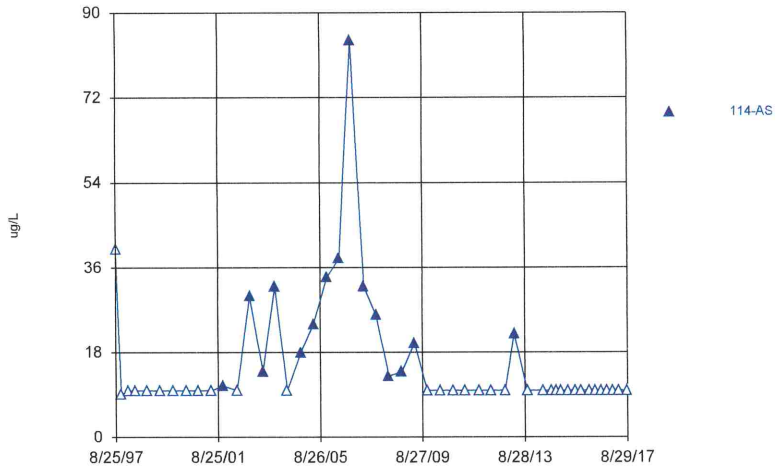
Time Series



Constituent: Mercury Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

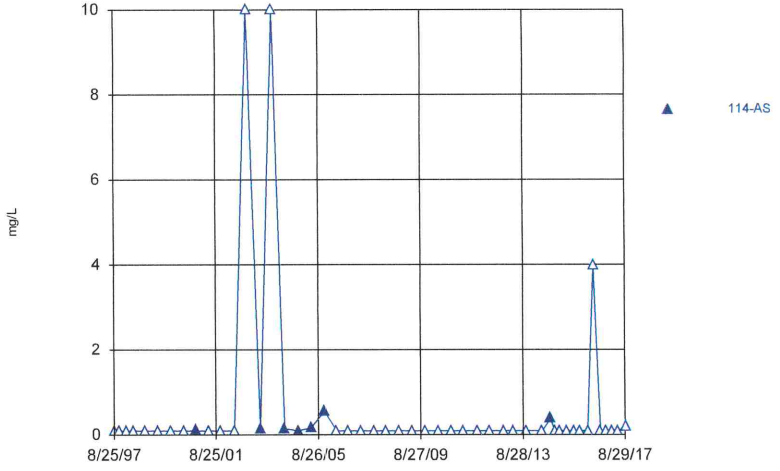
Time Series



Constituent: Nickel Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

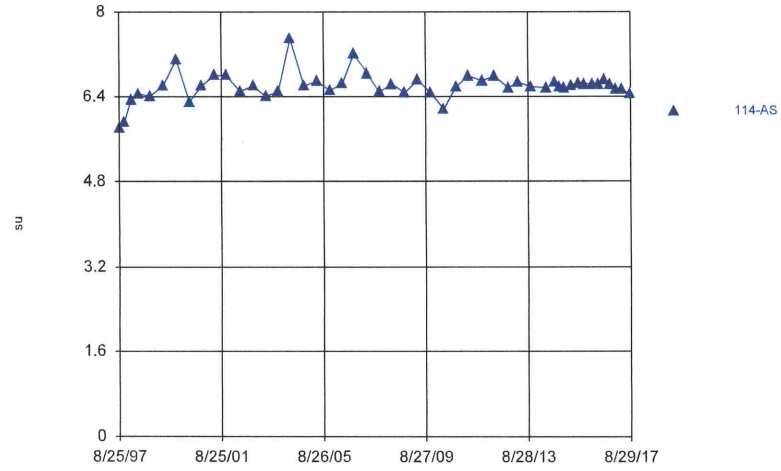
Time Series



Constituent: Nitrate/Nitrite Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

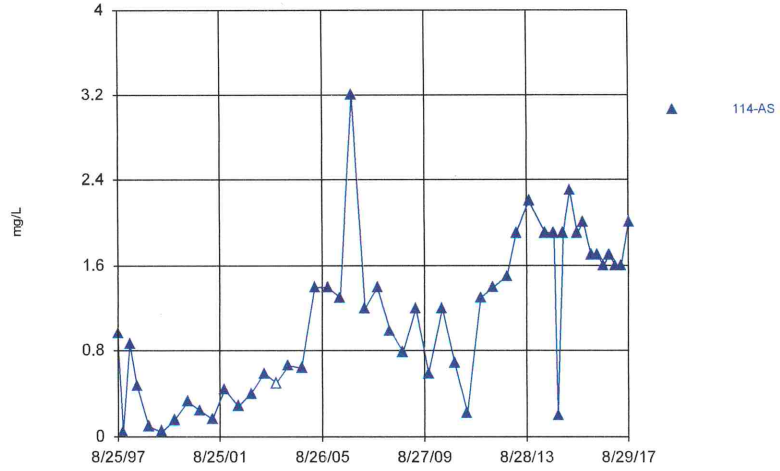
Time Series



Constituent: pH [Field] Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

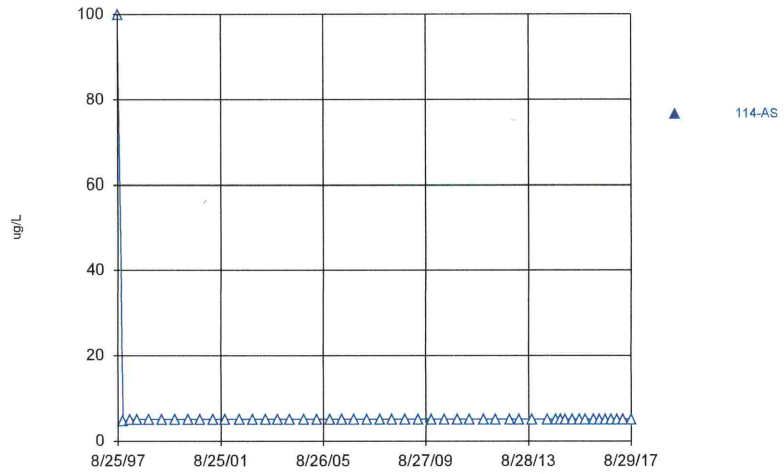
Time Series



Constituent: Phosphorus Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

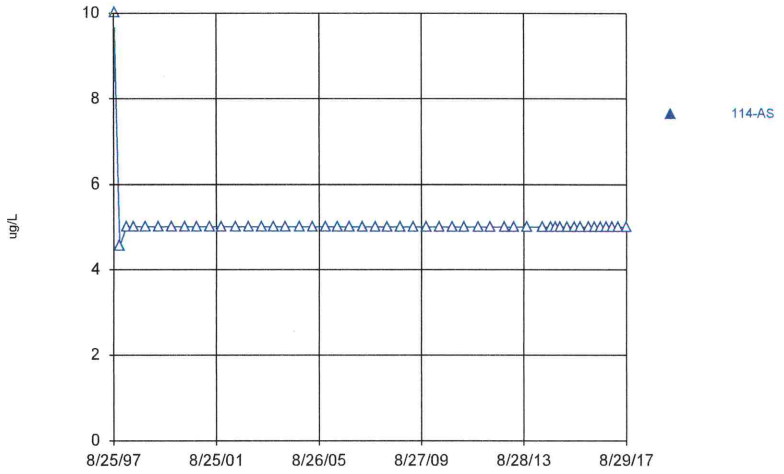
Time Series



Constituent: Selenium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

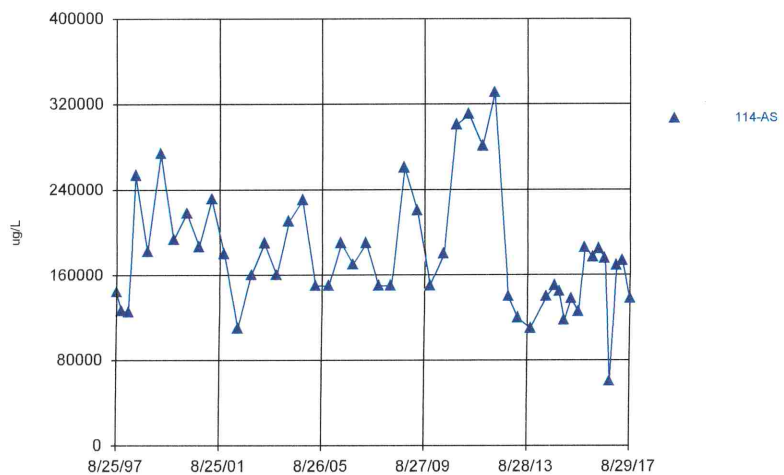
Time Series



Constituent: Silver Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

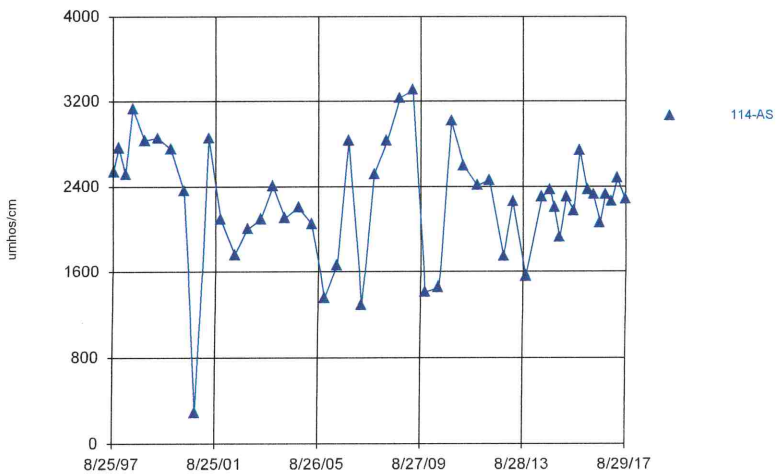
Time Series



Constituent: Sodium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

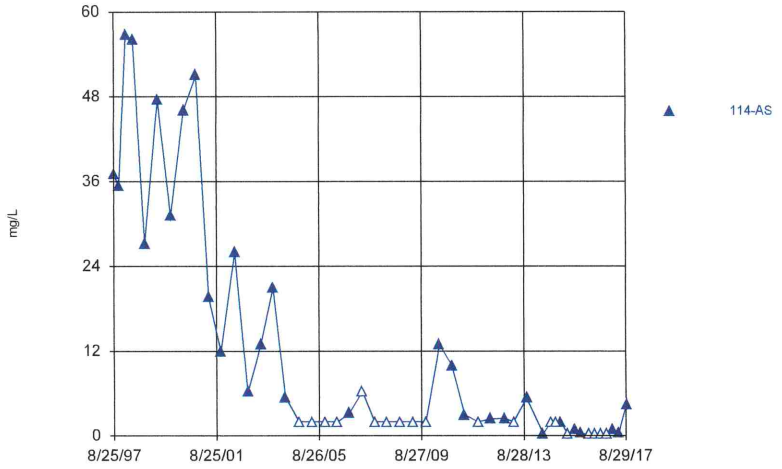
Time Series



Constituent: Specific Conductance [Field] Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

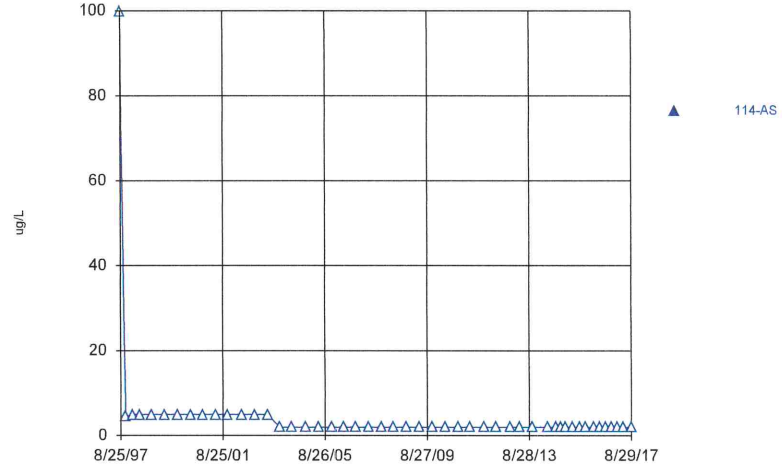
Time Series



Constituent: Sulfate Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

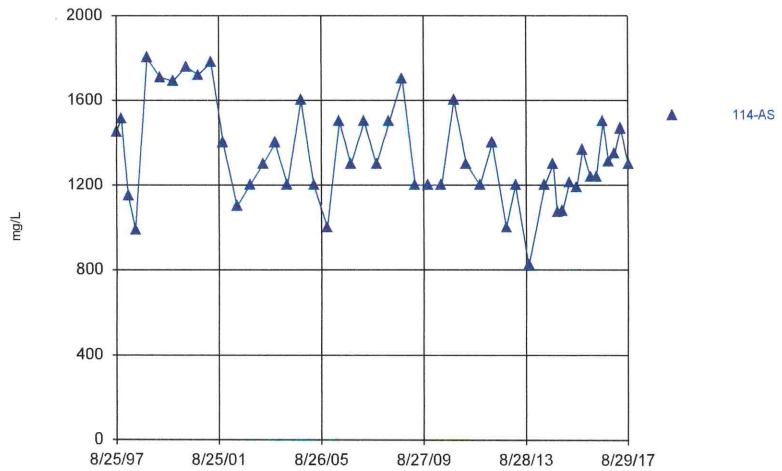
Time Series



Constituent: Thallium Total Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

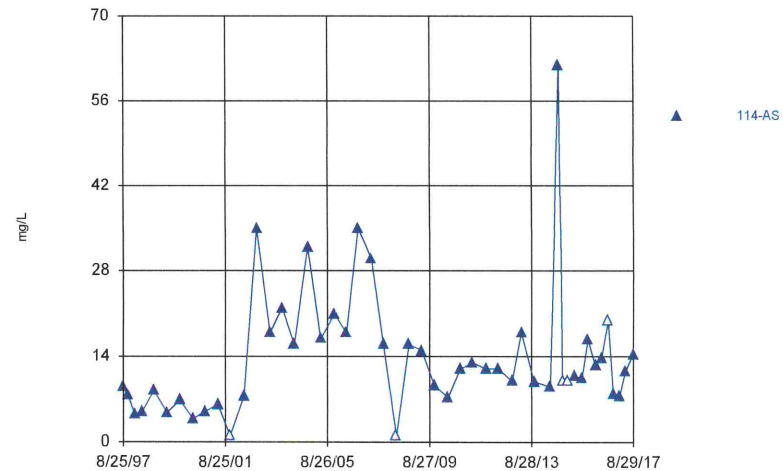
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 10:26 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

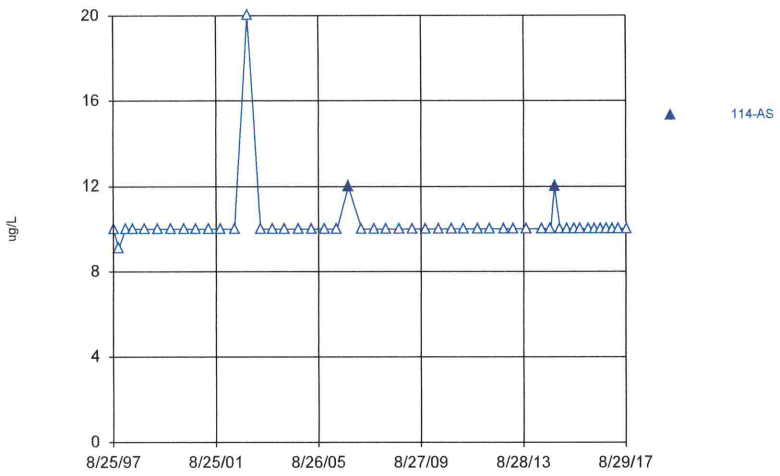
Time Series



Constituent: Total Organic Carbon [TOC] Analysis Run 9/27/2017 10:27 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

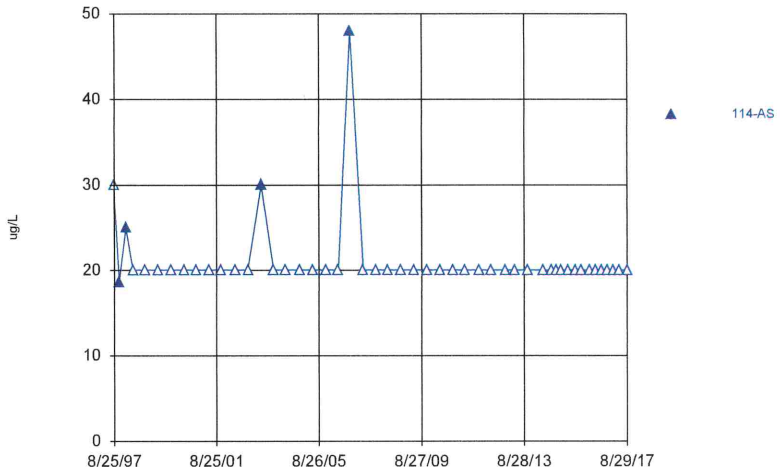
Time Series



Constituent: Vanadium Total Analysis Run 9/27/2017 10:27 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

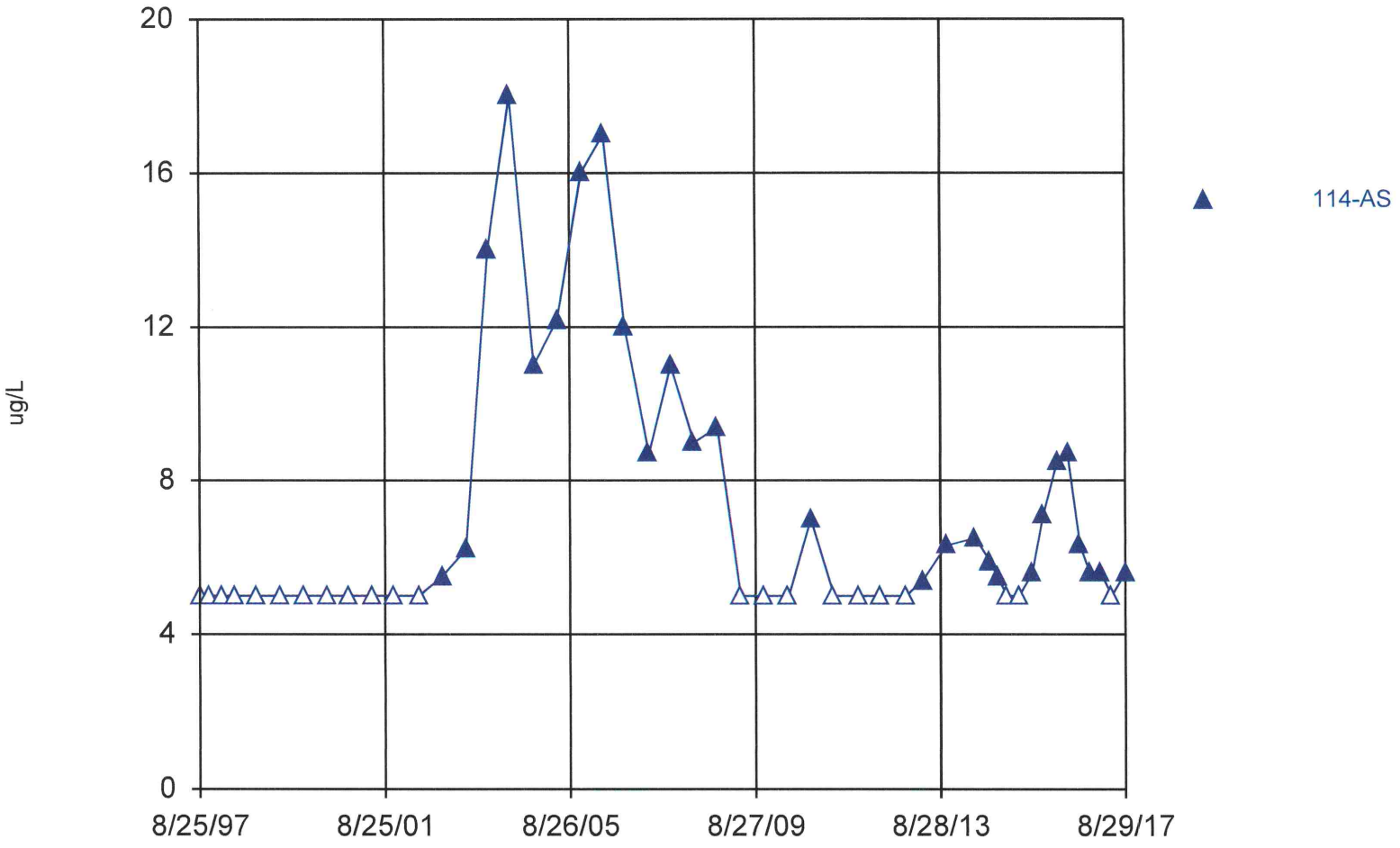
Time Series



Constituent: Zinc Total Analysis Run 9/27/2017 10:27 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

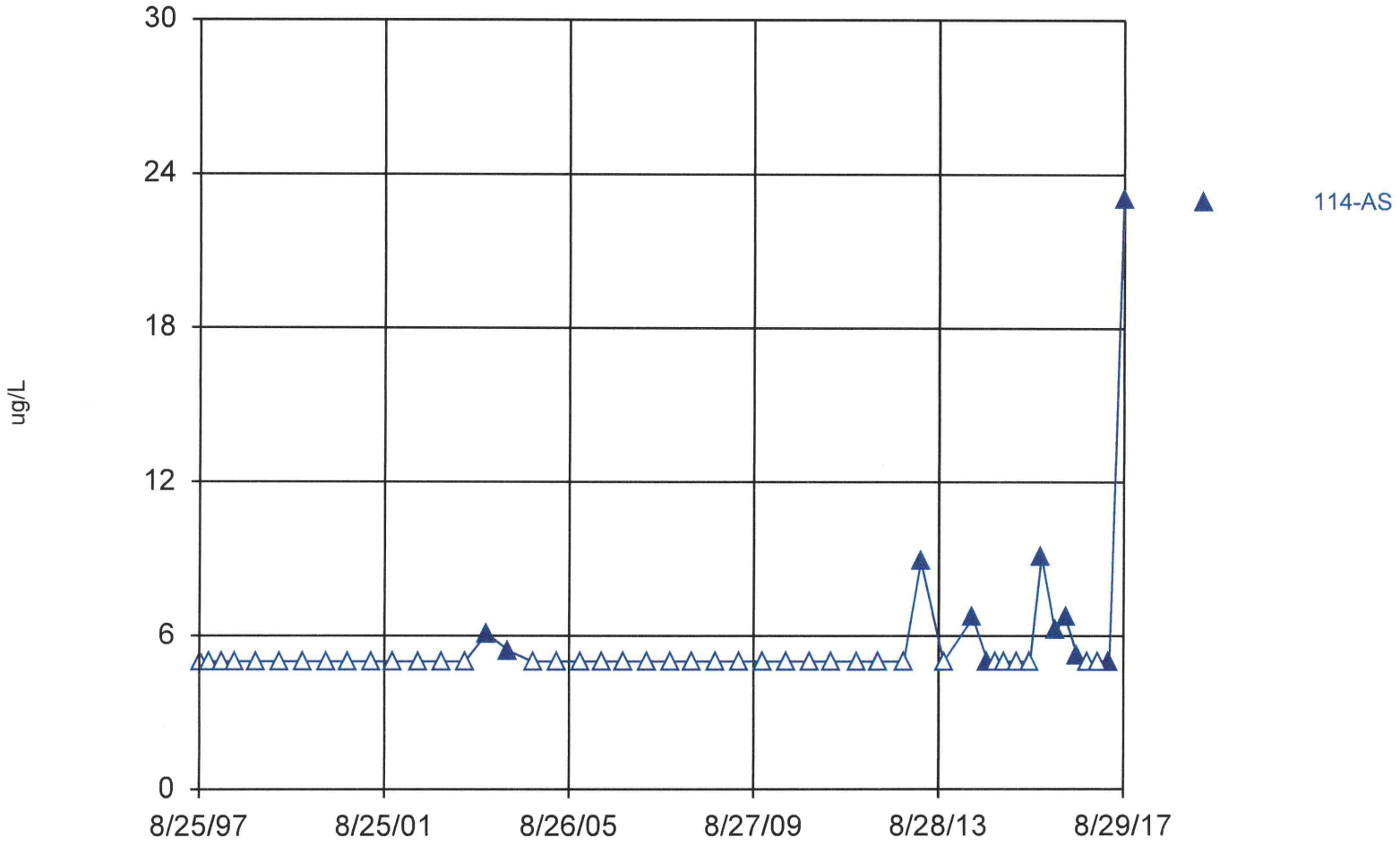


Constituent: 14-Dichlorobenzene Analysis Run 9/27/2017 10:51 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

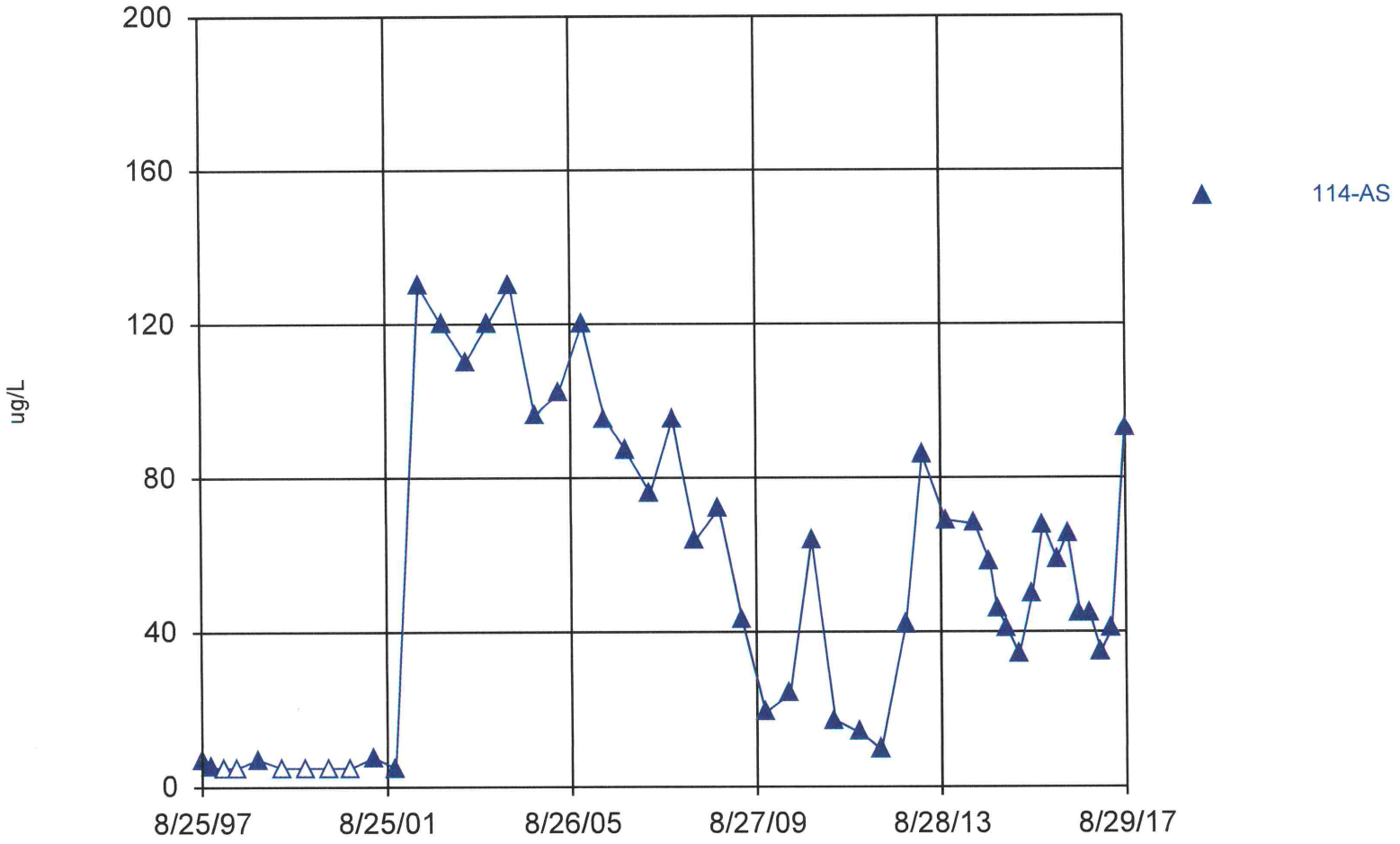


Constituent: Benzene Analysis Run 9/27/2017 10:51 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chlorobenzene Analysis Run 9/27/2017 10:51 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

APPENDIX D
STATISTICAL EVALUATIONS
ST. LOUIS FORMATION

TREND EVALUATION OF BACKGROUND DATA

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Ammonia as N (mg/L)	100-SS (bg)	0	-51	-201	No	40	92.5	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	104-SS (bg)	0	110	201	No	40	80	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	105-SS (bg)	0	-138	-201	No	40	85	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	106-SS (bg)	0	51	201	No	40	67.5	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	109-SS (bg)	0	-62	-201	No	40	87.5	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	110-SS (bg)	0.004319	82	201	No	40	5	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	115-SS (bg)	0	30	201	No	40	67.5	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	201A-SS (bg)	0	-47	-201	No	40	90	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	205-SS (bg)	0	-95	-201	No	40	90	n/a	n/a	0.02	NP
Antimony Total (ug/L)	100-SS (bg)	0	-22	-201	No	40	97.5	n/a	n/a	0.02	NP
Antimony Total (ug/L)	104-SS (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	105-SS (bg)	0	-65	-201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	106-SS (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	109-SS (bg)	0	-100	-201	No	40	97.5	n/a	n/a	0.02	NP
Antimony Total (ug/L)	110-SS (bg)	0	46	201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	115-SS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	201A-SS (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	205-SS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	100-SS (bg)	0	46	201	No	40	97.5	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	104-SS (bg)	0	18	201	No	40	92.5	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	105-SS (bg)	0	-65	-201	No	40	97.5	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	106-SS (bg)	0	89	201	No	40	55	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	109-SS (bg)	0	-171	-201	No	40	90	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	110-SS (bg)	0	-96	-201	No	40	92.5	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	**115-SS (bg)**	**0.01852**	**211**	**201**	**Yes**	**40**	**55**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic Total (ug/L)	201A-SS (bg)	0	-85	-201	No	40	87.5	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	205-SS (bg)	0	-26	-201	No	40	97.5	n/a	n/a	0.02	NP
Barium Total (ug/L)	100-SS (bg)	0.1428	88	201	No	40	0	n/a	n/a	0.02	NP
Barium Total (ug/L)	**104-SS (bg)**	**0.8454**	**261**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium Total (ug/L)	**105-SS (bg)**	**4.903**	**327**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium Total (ug/L)	106-SS (bg)	0	59	201	No	40	0	n/a	n/a	0.02	NP
Barium Total (ug/L)	109-SS (bg)	0	-35	-201	No	40	0	n/a	n/a	0.02	NP
Barium Total (ug/L)	**110-SS (bg)**	**7.415**	**420**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium Total (ug/L)	**115-SS (bg)**	**14.74**	**308**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium Total (ug/L)	201A-SS (bg)	0.64	112	201	No	40	0	n/a	n/a	0.02	NP
Barium Total (ug/L)	**205-SS (bg)**	**0.4866**	**202**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium Total (ug/L)	100-SS (bg)	0	116	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	104-SS (bg)	0	81	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	105-SS (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	106-SS (bg)	0	81	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	109-SS (bg)	0	48	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	110-SS (bg)	0	116	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	115-SS (bg)	0	48	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	201A-SS (bg)	0	81	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	205-SS (bg)	0	48	201	No	40	100	n/a	n/a	0.02	NP
Boron Total (ug/L)	**100-SS (bg)**	**1.059**	**234**	**201**	**Yes**	**40**	**10**	**n/a**	**n/a**	**0.02**	**NP**
Boron Total (ug/L)	**104-SS (bg)**	**3.228**	**377**	**201**	**Yes**	**40**	**20**	**n/a**	**n/a**	**0.02**	**NP**
Boron Total (ug/L)	105-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Boron Total (ug/L)	106-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Boron Total (ug/L)	109-SS (bg)	-0.3624	-57	-201	No	40	0	n/a	n/a	0.02	NP

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron Total (ug/L)	110-SS (bg)	-0.6411	-87	-201	No	40	2.5	n/a	n/a	0.02	NP
Boron Total (ug/L)	**115-SS (bg)**	**12.11**	**266**	**201**	**Yes**	**40**	**27.5**	**n/a**	**n/a**	**0.02**	**NP**
Boron Total (ug/L)	201A-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Boron Total (ug/L)	205-SS (bg)	0	-63	-201	No	40	97.5	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	100-SS (bg)	0	-61	-201	No	40	97.5	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	104-SS (bg)	0	-35	-201	No	40	100	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	105-SS (bg)	0	-92	-201	No	40	97.5	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	106-SS (bg)	0	-63	-201	No	40	95	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	109-SS (bg)	0	-87	-201	No	40	95	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	110-SS (bg)	0	-34	-201	No	40	100	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	115-SS (bg)	0	-89	-201	No	40	95	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	201A-SS (bg)	0	-66	-201	No	40	97.5	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	205-SS (bg)	0	-165	-201	No	40	87.5	n/a	n/a	0.02	NP
Calcium Total (ug/L)	100-SS (bg)	-114.8	-79	-201	No	40	0	n/a	n/a	0.02	NP
Calcium Total (ug/L)	104-SS (bg)	243.6	118	201	No	40	0	n/a	n/a	0.02	NP
Calcium Total (ug/L)	**105-SS (bg)**	**1908**	**403**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Calcium Total (ug/L)	**106-SS (bg)**	**584.2**	**291**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Calcium Total (ug/L)	109-SS (bg)	273.8	151	201	No	40	0	n/a	n/a	0.02	NP
Calcium Total (ug/L)	**110-SS (bg)**	**3124**	**313**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Calcium Total (ug/L)	**115-SS (bg)**	**4611**	**259**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Calcium Total (ug/L)	**201A-SS (bg)**	**941.3**	**409**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Calcium Total (ug/L)	**205-SS (bg)**	**391**	**295**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chemical Oxygen Demand [COD] (m...	**100-SS (bg)**	**0**	**-301**	**-201**	**Yes**	**40**	**97.5**	**n/a**	**n/a**	**0.02**	**NP**
Chemical Oxygen Demand [COD] (m...	104-SS (bg)	0	73	201	No	40	75	n/a	n/a	0.02	NP
Chemical Oxygen Demand [COD] (m...	105-SS (bg)	0	-161	-201	No	40	75	n/a	n/a	0.02	NP
Chemical Oxygen Demand [COD] (m...	**106-SS (bg)**	**0**	**-339**	**-201**	**Yes**	**40**	**90**	**n/a**	**n/a**	**0.02**	**NP**
Chemical Oxygen Demand [COD] (m...	**109-SS (bg)**	**0**	**-268**	**-201**	**Yes**	**40**	**95**	**n/a**	**n/a**	**0.02**	**NP**
Chemical Oxygen Demand [COD] (m...	110-SS (bg)	0.5451	88	201	No	40	0	n/a	n/a	0.02	NP
Chemical Oxygen Demand [COD] (m...	115-SS (bg)	1.334	147	201	No	40	30	n/a	n/a	0.02	NP
Chemical Oxygen Demand [COD] (m...	**201A-SS (bg)**	**0**	**-366**	**-201**	**Yes**	**40**	**95**	**n/a**	**n/a**	**0.02**	**NP**
Chemical Oxygen Demand [COD] (m...	**205-SS (bg)**	**0**	**-229**	**-201**	**Yes**	**40**	**90**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**100-SS (bg)**	**-0.1805**	**-260**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**104-SS (bg)**	**0.1496**	**335**	**201**	**Yes**	**40**	**40**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**105-SS (bg)**	**4.592**	**437**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**106-SS (bg)**	**0.9369**	**452**	**201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**109-SS (bg)**	**-0.09448**	**-319**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**110-SS (bg)**	**2.339**	**204**	**201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**115-SS (bg)**	**11.58**	**248**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**201A-SS (bg)**	**0.1287**	**491**	**201**	**Yes**	**40**	**30**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**205-SS (bg)**	**0.7123**	**329**	**201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Chromium Total (ug/L)	100-SS (bg)	0	-157	-201	No	40	90	n/a	n/a	0.02	NP
Chromium Total (ug/L)	104-SS (bg)	0	-180	-201	No	40	95	n/a	n/a	0.02	NP
Chromium Total (ug/L)	105-SS (bg)	0	-82	-201	No	40	97.5	n/a	n/a	0.02	NP
Chromium Total (ug/L)	106-SS (bg)	0	-83	-201	No	40	90	n/a	n/a	0.02	NP
Chromium Total (ug/L)	109-SS (bg)	0	-192	-201	No	40	82.5	n/a	n/a	0.02	NP
Chromium Total (ug/L)	110-SS (bg)	0	-190	-201	No	40	95	n/a	n/a	0.02	NP
Chromium Total (ug/L)	115-SS (bg)	0	-46	-201	No	40	97.5	n/a	n/a	0.02	NP
Chromium Total (ug/L)	201A-SS (bg)	0	-126	-201	No	40	92.5	n/a	n/a	0.02	NP
Chromium Total (ug/L)	205-SS (bg)	0	-132	-201	No	40	85	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	100-SS (bg)	0	-100	-201	No	40	100	n/a	n/a	0.02	NP

Trend Test

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Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt Total (ug/L)	104-SS (bg)	0	-135	-201	No	40	100	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	105-SS (bg)	0	-65	-201	No	40	100	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	106-SS (bg)	0	-135	-201	No	40	100	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	109-SS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	110-SS (bg)	0	-170	-201	No	40	97.5	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	115-SS (bg)	0.262	172	201	No	40	42.5	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	201A-SS (bg)	0	-135	-201	No	40	100	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	205-SS (bg)	0	-102	-201	No	40	97.5	n/a	n/a	0.02	NP
Copper Total (ug/L)	100-SS (bg)	0	-164	-201	No	40	97.5	n/a	n/a	0.02	NP
Copper Total (ug/L)	104-SS (bg)	0	-136	-201	No	40	100	n/a	n/a	0.02	NP
Copper Total (ug/L)	105-SS (bg)	0	-80	-201	No	40	97.5	n/a	n/a	0.02	NP
Copper Total (ug/L)	106-SS (bg)	0	-102	-201	No	40	95	n/a	n/a	0.02	NP
Copper Total (ug/L)	109-SS (bg)	0	-100	-201	No	40	97.5	n/a	n/a	0.02	NP
Copper Total (ug/L)	110-SS (bg)	0	-110	-201	No	40	70	n/a	n/a	0.02	NP
Copper Total (ug/L)	115-SS (bg)	0	-72	-201	No	40	82.5	n/a	n/a	0.02	NP
Copper Total (ug/L)	201A-SS (bg)	0	-138	-201	No	40	97.5	n/a	n/a	0.02	NP
Copper Total (ug/L)	205-SS (bg)	0	-25	-201	No	40	90	n/a	n/a	0.02	NP
Fluoride (mg/L)	**100-SS (bg)**	**-0.00...**	**-214**	**-186**	**Yes**	**38**	**2.632**	**n/a**	**n/a**	**0.02**	**NP**
Fluoride (mg/L)	104-SS (bg)	0	-1	-186	No	38	2.632	n/a	n/a	0.02	NP
Fluoride (mg/L)	**105-SS (bg)**	**-0.01749**	**-384**	**-186**	**Yes**	**38**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Fluoride (mg/L)	106-SS (bg)	-0.00...	-94	-186	No	38	0	n/a	n/a	0.02	NP
Fluoride (mg/L)	**109-SS (bg)**	**0.0198**	**264**	**186**	**Yes**	**38**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Fluoride (mg/L)	**110-SS (bg)**	**-0.01819**	**-375**	**-186**	**Yes**	**38**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Fluoride (mg/L)	**115-SS (bg)**	**-0.05116**	**-340**	**-186**	**Yes**	**38**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Fluoride (mg/L)	**201A-SS (bg)**	**-0.00...**	**-341**	**-186**	**Yes**	**38**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Fluoride (mg/L)	**205-SS (bg)**	**-0.00...**	**-188**	**-186**	**Yes**	**38**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Hardness Total (mg/L)	100-SS (bg)	0	7	201	No	40	0	n/a	n/a	0.02	NP
Hardness Total (mg/L)	104-SS (bg)	1.426	170	201	No	40	0	n/a	n/a	0.02	NP
Hardness Total (mg/L)	**105-SS (bg)**	**9.008**	**387**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Hardness Total (mg/L)	**106-SS (bg)**	**2.804**	**278**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Hardness Total (mg/L)	109-SS (bg)	1.292	165	201	No	40	0	n/a	n/a	0.02	NP
Hardness Total (mg/L)	**110-SS (bg)**	**10.01**	**287**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Hardness Total (mg/L)	**115-SS (bg)**	**18.87**	**276**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Hardness Total (mg/L)	**201A-SS (bg)**	**4.532**	**349**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Hardness Total (mg/L)	**205-SS (bg)**	**3.993**	**352**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Iron Total (ug/L)	100-SS (bg)	0	-28	-201	No	40	25	n/a	n/a	0.02	NP
Iron Total (ug/L)	**104-SS (bg)**	**-116.2**	**-276**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Iron Total (ug/L)	105-SS (bg)	-44.5	-178	-201	No	40	0	n/a	n/a	0.02	NP
Iron Total (ug/L)	**106-SS (bg)**	**51.01**	**414**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Iron Total (ug/L)	**109-SS (bg)**	**-18.82**	**-357**	**-201**	**Yes**	**40**	**5**	**n/a**	**n/a**	**0.02**	**NP**
Iron Total (ug/L)	110-SS (bg)	107.5	166	201	No	40	2.5	n/a	n/a	0.02	NP
Iron Total (ug/L)	**115-SS (bg)**	**100.5**	**332**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Iron Total (ug/L)	201A-SS (bg)	-24.18	-189	-201	No	40	0	n/a	n/a	0.02	NP
Iron Total (ug/L)	205-SS (bg)	-33.55	-182	-201	No	40	0	n/a	n/a	0.02	NP
Lead Total (ug/L)	100-SS (bg)	0	-93	-201	No	40	95	n/a	n/a	0.02	NP
Lead Total (ug/L)	104-SS (bg)	0	-62	-201	No	40	95	n/a	n/a	0.02	NP
Lead Total (ug/L)	105-SS (bg)	0	-65	-201	No	40	100	n/a	n/a	0.02	NP
Lead Total (ug/L)	106-SS (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Lead Total (ug/L)	109-SS (bg)	0	-100	-201	No	40	97.5	n/a	n/a	0.02	NP
Lead Total (ug/L)	110-SS (bg)	0	46	201	No	40	100	n/a	n/a	0.02	NP

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Lead Total (ug/L)	115-SS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Lead Total (ug/L)	201A-SS (bg)	0	-132	-201	No	40	95	n/a	n/a	0.02	NP
Lead Total (ug/L)	205-SS (bg)	0	-16	-201	No	40	87.5	n/a	n/a	0.02	NP
Magnesium Total (ug/L)	100-SS (bg)	175.4	165	201	No	40	0	n/a	n/a	0.02	NP
Magnesium Total (ug/L)	**104-SS (bg)**	**266.6**	**263**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Magnesium Total (ug/L)	**105-SS (bg)**	**937**	**399**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Magnesium Total (ug/L)	**106-SS (bg)**	**346.9**	**326**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Magnesium Total (ug/L)	109-SS (bg)	96.8	100	201	No	40	0	n/a	n/a	0.02	NP
Magnesium Total (ug/L)	**110-SS (bg)**	**851.4**	**291**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Magnesium Total (ug/L)	**115-SS (bg)**	**1502**	**244**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Magnesium Total (ug/L)	**201A-SS (bg)**	**642.5**	**444**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Magnesium Total (ug/L)	**205-SS (bg)**	**484.6**	**412**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Manganese Total (ug/L)	**100-SS (bg)**	**0**	**-215**	**-201**	**Yes**	**40**	**57.5**	**n/a**	**n/a**	**0.02**	**NP**
Manganese Total (ug/L)	104-SS (bg)	-0.9428	-141	-201	No	40	2.5	n/a	n/a	0.02	NP
Manganese Total (ug/L)	105-SS (bg)	-0.6502	-127	-201	No	40	2.5	n/a	n/a	0.02	NP
Manganese Total (ug/L)	106-SS (bg)	0.355	77	201	No	40	2.5	n/a	n/a	0.02	NP
Manganese Total (ug/L)	**109-SS (bg)**	**-0.8628**	**-304**	**-201**	**Yes**	**40**	**42.5**	**n/a**	**n/a**	**0.02**	**NP**
Manganese Total (ug/L)	**110-SS (bg)**	**2.934**	**236**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Manganese Total (ug/L)	**115-SS (bg)**	**3.607**	**301**	**201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Manganese Total (ug/L)	**201A-SS (bg)**	**-11.65**	**-318**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Manganese Total (ug/L)	**205-SS (bg)**	**-0.5884**	**-264**	**-201**	**Yes**	**40**	**30**	**n/a**	**n/a**	**0.02**	**NP**
Mercury Total (ug/L)	100-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	104-SS (bg)	0	-61	-201	No	40	97.5	n/a	n/a	0.02	NP
Mercury Total (ug/L)	105-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	106-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	109-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	110-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	115-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	201A-SS (bg)	0	-53	-201	No	40	97.5	n/a	n/a	0.02	NP
Mercury Total (ug/L)	205-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Nickel Total (ug/L)	**100-SS (bg)**	**-0.5913**	**-261**	**-201**	**Yes**	**40**	**10**	**n/a**	**n/a**	**0.02**	**NP**
Nickel Total (ug/L)	104-SS (bg)	0	-130	-201	No	40	97.5	n/a	n/a	0.02	NP
Nickel Total (ug/L)	105-SS (bg)	0	-54	-201	No	40	97.5	n/a	n/a	0.02	NP
Nickel Total (ug/L)	106-SS (bg)	0	-170	-201	No	40	97.5	n/a	n/a	0.02	NP
Nickel Total (ug/L)	109-SS (bg)	0	-132	-201	No	40	95	n/a	n/a	0.02	NP
Nickel Total (ug/L)	110-SS (bg)	0	-40	-201	No	40	25	n/a	n/a	0.02	NP
Nickel Total (ug/L)	**115-SS (bg)**	**1.87**	**232**	**201**	**Yes**	**40**	**30**	**n/a**	**n/a**	**0.02**	**NP**
Nickel Total (ug/L)	201A-SS (bg)	0	-126	-201	No	40	97.5	n/a	n/a	0.02	NP
Nickel Total (ug/L)	205-SS (bg)	0	-100	-201	No	40	97.5	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	100-SS (bg)	0	-74	-201	No	40	75	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	104-SS (bg)	0	58	201	No	40	90	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	105-SS (bg)	0	-46	-201	No	40	95	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	106-SS (bg)	0	-64	-201	No	40	92.5	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	109-SS (bg)	0	76	201	No	40	90	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	110-SS (bg)	0	-19	-201	No	40	97.5	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	115-SS (bg)	0	-40	-201	No	40	97.5	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	**201A-SS (bg)**	**0.01**	**364**	**201**	**Yes**	**40**	**50**	**n/a**	**n/a**	**0.02**	**NP**
Nitrate/Nitrite (mg/L)	205-SS (bg)	0	-18	-201	No	40	95	n/a	n/a	0.02	NP
pH [Field] (su)	100-SS (bg)	-0.01736	-196	-201	No	40	0	n/a	n/a	0.02	NP
pH [Field] (su)	**104-SS (bg)**	**-0.0405**	**-277**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
pH [Field] (su)	**105-SS (bg)**	**-0.02251**	**-283**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
pH [Field] (su)	**106-SS (bg)**	**-0.02559**	**-255**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
pH [Field] (su)	109-SS (bg)	-0.01685	-162	-201	No	40	0	n/a	n/a	0.02	NP
pH [Field] (su)	**110-SS (bg)**	**-0.01825**	**-207**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
pH [Field] (su)	115-SS (bg)	-0.02196	-199	-201	No	40	0	n/a	n/a	0.02	NP
pH [Field] (su)	**201A-SS (bg)**	**-0.0296**	**-300**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
pH [Field] (su)	**205-SS (bg)**	**-0.01733**	**-228**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Phosphorus Total (mg/L)	100-SS (bg)	0	-178	-201	No	40	70	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	104-SS (bg)	0	-95	-201	No	40	60	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	**105-SS (bg)**	**-0.00...**	**-509**	**-201**	**Yes**	**40**	**50**	**n/a**	**n/a**	**0.02**	**NP**
Phosphorus Total (mg/L)	106-SS (bg)	0	-90	-201	No	40	72.5	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	109-SS (bg)	0	-77	-201	No	40	72.5	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	110-SS (bg)	-0.00...	-147	-201	No	40	2.5	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	**115-SS (bg)**	**0.009173**	**344**	**201**	**Yes**	**40**	**10**	**n/a**	**n/a**	**0.02**	**NP**
Phosphorus Total (mg/L)	**201A-SS (bg)**	**0**	**-217**	**-201**	**Yes**	**40**	**70**	**n/a**	**n/a**	**0.02**	**NP**
Phosphorus Total (mg/L)	205-SS (bg)	0	-16	-201	No	40	70	n/a	n/a	0.02	NP
Selenium Total (ug/L)	100-SS (bg)	0	46	201	No	40	100	n/a	n/a	0.02	NP
Selenium Total (ug/L)	104-SS (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Selenium Total (ug/L)	105-SS (bg)	0	-65	-201	No	40	100	n/a	n/a	0.02	NP
Selenium Total (ug/L)	106-SS (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Selenium Total (ug/L)	109-SS (bg)	0	41	201	No	40	80	n/a	n/a	0.02	NP
Selenium Total (ug/L)	110-SS (bg)	0	45	201	No	40	97.5	n/a	n/a	0.02	NP
Selenium Total (ug/L)	115-SS (bg)	0	-62	-201	No	40	97.5	n/a	n/a	0.02	NP
Selenium Total (ug/L)	201A-SS (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Selenium Total (ug/L)	205-SS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	100-SS (bg)	0	-100	-201	No	40	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	104-SS (bg)	0	-98	-194	No	39	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	105-SS (bg)	0	-65	-201	No	40	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	106-SS (bg)	0	-61	-186	No	38	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	109-SS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	110-SS (bg)	0	-100	-201	No	40	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	115-SS (bg)	0	-58	-201	No	40	97.5	n/a	n/a	0.02	NP
Silver Total (ug/L)	201A-SS (bg)	0	-135	-201	No	40	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	205-SS (bg)	0	-28	-201	No	40	100	n/a	n/a	0.02	NP
Sodium Total (ug/L)	**100-SS (bg)**	**-831.9**	**-488**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	**104-SS (bg)**	**-502.2**	**-400**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	**105-SS (bg)**	**571**	**215**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	**106-SS (bg)**	**269.6**	**394**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	**109-SS (bg)**	**-794.1**	**-400**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	110-SS (bg)	154.7	33	201	No	40	0	n/a	n/a	0.02	NP
Sodium Total (ug/L)	**115-SS (bg)**	**3767**	**297**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	**201A-SS (bg)**	**-1529**	**-493**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	**205-SS (bg)**	**-392.5**	**-234**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Specific Conductance [Field] (u...	100-SS (bg)	-3.436	-194	-201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	104-SS (bg)	3.086	107	201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	**105-SS (bg)**	**17.15**	**333**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Specific Conductance [Field] (u...	106-SS (bg)	3.452	173	201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	109-SS (bg)	-1.534	-92	-201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	**110-SS (bg)**	**16.95**	**292**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Specific Conductance [Field] (u...	**115-SS (bg)**	**55.65**	**298**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Specific Conductance [Field] (u...	201A-SS (bg)	0.6058	38	201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	205-SS (bg)	1.604	104	201	No	40	0	n/a	n/a	0.02	NP
Sulfate as SO4 (mg/L)	**100-SS (bg)**	**-1.575**	**-512**	**-201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	**104-SS (bg)**	**-1.275**	**-505**	**-201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	**105-SS (bg)**	**3.61**	**428**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	106-SS (bg)	0.1357	84	201	No	40	2.5	n/a	n/a	0.02	NP
Sulfate as SO4 (mg/L)	**109-SS (bg)**	**-1.556**	**-397**	**-201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	**110-SS (bg)**	**-1.606**	**-300**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	**115-SS (bg)**	**-1.746**	**-505**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	**201A-SS (bg)**	**0.7361**	**205**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	205-SS (bg)	0.3668	130	201	No	40	0	n/a	n/a	0.02	NP
Thallium Total (ug/L)	**100-SS (bg)**	**0**	**-324**	**-201**	**Yes**	**40**	**97.5**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**104-SS (bg)**	**0**	**-314**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**105-SS (bg)**	**-0.08868**	**-390**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**106-SS (bg)**	**0**	**-314**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**109-SS (bg)**	**-0.08239**	**-378**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**110-SS (bg)**	**0**	**-304**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**115-SS (bg)**	**-0.08238**	**-378**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**201A-SS (bg)**	**0**	**-314**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**205-SS (bg)**	**-0.08234**	**-378**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Total Dissolved Solids [TDS] (m...	**100-SS (bg)**	**-4.547**	**-362**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Total Dissolved Solids [TDS] (m...	104-SS (bg)	-1.495	-138	-201	No	40	0	n/a	n/a	0.02	NP
Total Dissolved Solids [TDS] (m...	**105-SS (bg)**	**10.47**	**377**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Total Dissolved Solids [TDS] (m...	106-SS (bg)	1.895	188	201	No	40	0	n/a	n/a	0.02	NP
Total Dissolved Solids [TDS] (m...	109-SS (bg)	-2.746	-201	-201	No	40	0	n/a	n/a	0.02	NP
Total Dissolved Solids [TDS] (m...	110-SS (bg)	0	45	201	No	40	0	n/a	n/a	0.02	NP
Total Dissolved Solids [TDS] (m...	**115-SS (bg)**	**20.92**	**246**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Total Dissolved Solids [TDS] (m...	201A-SS (bg)	0	40	201	No	40	0	n/a	n/a	0.02	NP
Total Dissolved Solids [TDS] (m...	205-SS (bg)	0	-29	-201	No	40	0	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	100-SS (bg)	0	51	201	No	40	72.5	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	104-SS (bg)	0.01062	166	201	No	40	47.5	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	105-SS (bg)	-0.03496	-95	-201	No	40	17.5	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	**106-SS (bg)**	**0.02137**	**213**	**201**	**Yes**	**40**	**52.5**	**n/a**	**n/a**	**0.02**	**NP**
Total Organic Carbon [TOC] (mg/L)	109-SS (bg)	0	167	201	No	40	52.5	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	110-SS (bg)	0.3407	163	201	No	40	0	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	115-SS (bg)	0.5685	195	201	No	40	22.5	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	201A-SS (bg)	0	146	201	No	40	50	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	**205-SS (bg)**	**0.04989**	**246**	**201**	**Yes**	**40**	**45**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium Total (ug/L)	100-SS (bg)	0	5	201	No	40	100	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	104-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	105-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	106-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	109-SS (bg)	0	9	201	No	40	100	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	110-SS (bg)	0	38	201	No	40	97.5	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	115-SS (bg)	0	42	201	No	40	97.5	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	201A-SS (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	205-SS (bg)	0	44	201	No	40	97.5	n/a	n/a	0.02	NP
Zinc Total (ug/L)	100-SS (bg)	0	-167	-201	No	40	92.5	n/a	n/a	0.02	NP
Zinc Total (ug/L)	104-SS (bg)	0	-180	-201	No	40	85	n/a	n/a	0.02	NP
Zinc Total (ug/L)	105-SS (bg)	0	-184	-201	No	40	85	n/a	n/a	0.02	NP

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Zinc Total (ug/L)	106-SS (bg)	0	-165	-201	No	40	92.5	n/a	n/a	0.02	NP
Zinc Total (ug/L)	**109-SS (bg)**	**-3.762**	**-661**	**-201**	**Yes**	**40**	**32.5**	**n/a**	**n/a**	**0.02**	**NP**
Zinc Total (ug/L)	110-SS (bg)	0	-176	-201	No	40	77.5	n/a	n/a	0.02	NP
Zinc Total (ug/L)	115-SS (bg)	0	-144	-201	No	40	87.5	n/a	n/a	0.02	NP
Zinc Total (ug/L)	201A-SS (bg)	0	-100	-201	No	40	85	n/a	n/a	0.02	NP
Zinc Total (ug/L)	**205-SS (bg)**	**0**	**-254**	**-201**	**Yes**	**40**	**82.5**	**n/a**	**n/a**	**0.02**	**NP**

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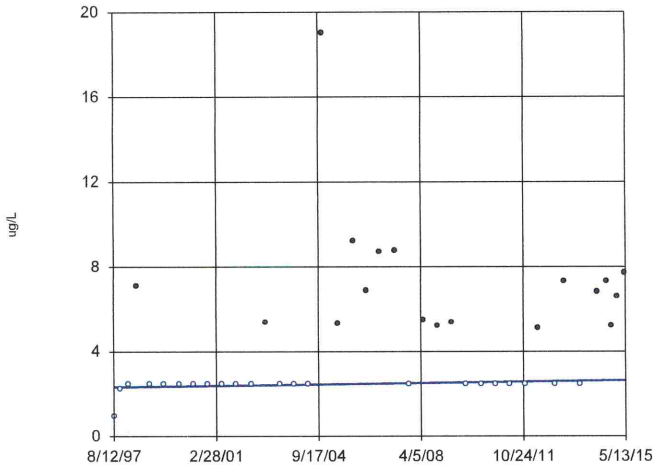
Hollow symbols indicate censored values.

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 0.01852 units per year.

Mann-Kendall statistic = 211
critical = 201

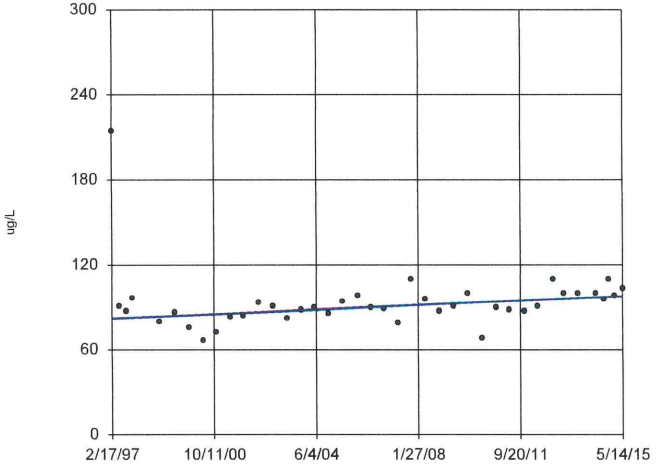
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = 0.8454 units per year.

Mann-Kendall statistic = 261
critical = 201

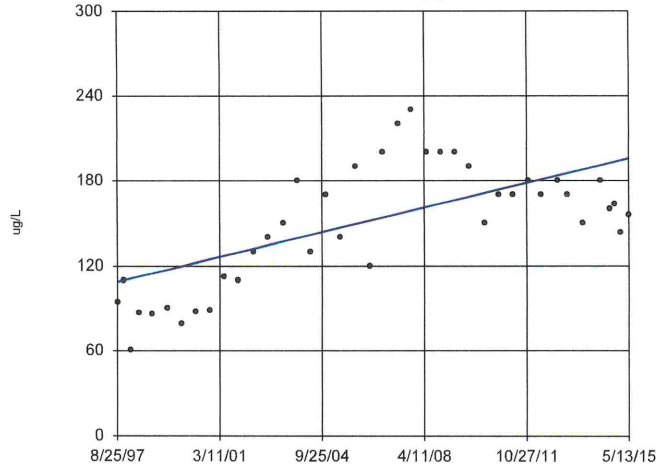
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 4.903 units per year.

Mann-Kendall statistic = 327
critical = 201

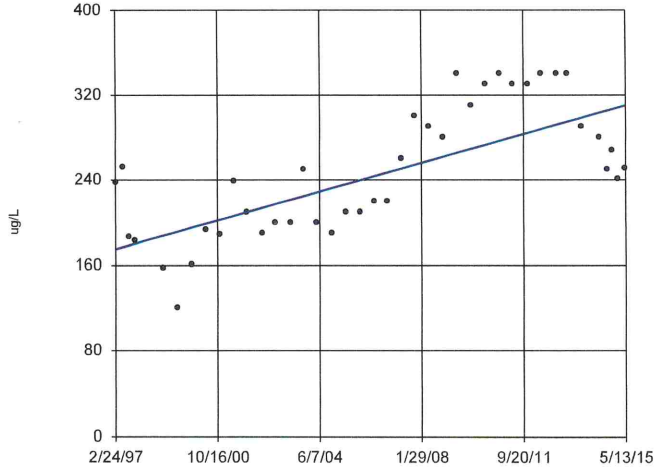
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = 7.415 units per year.

Mann-Kendall statistic = 420
critical = 201

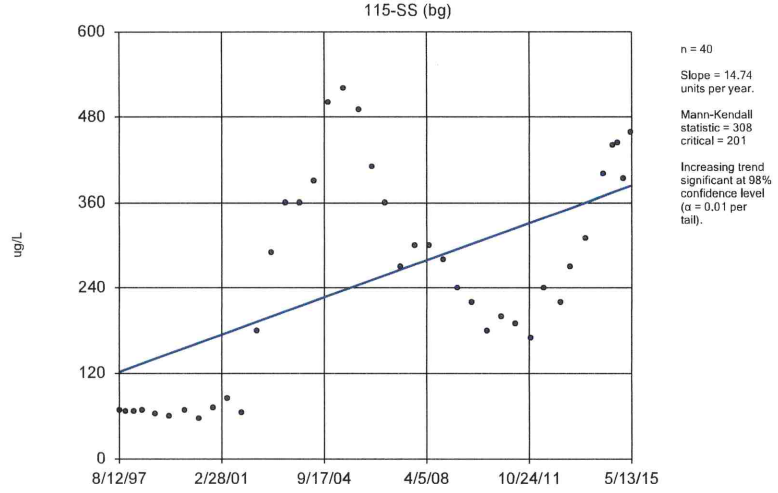
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 14.74 units per year.

Mann-Kendall statistic = 308 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

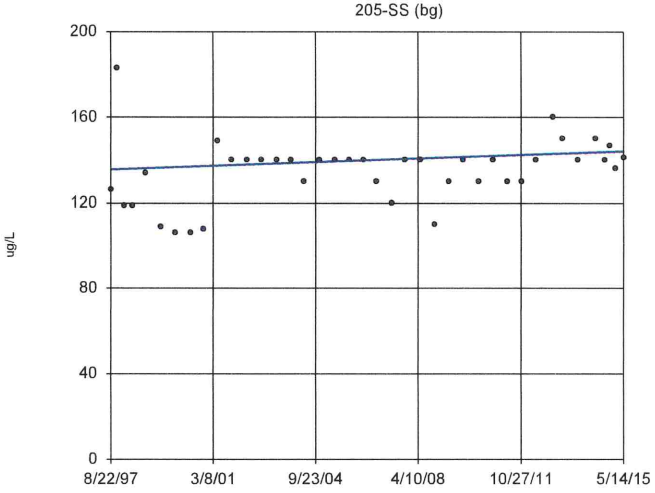
Constituent: Barium Total Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = 0.4866 units per year.

Mann-Kendall statistic = 202 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Total Analysis Run 1/7/2016 1:04 PM

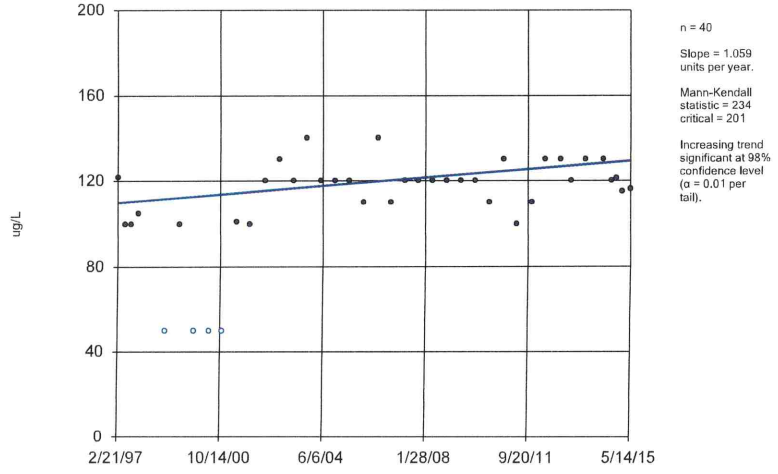
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = 1.059 units per year.

Mann-Kendall statistic = 234 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Boron Total Analysis Run 1/7/2016 1:04 PM

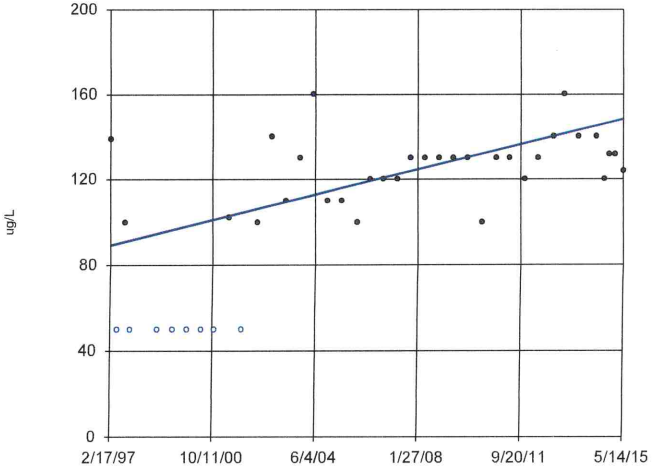
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = 3.228 units per year.

Mann-Kendall statistic = 377 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

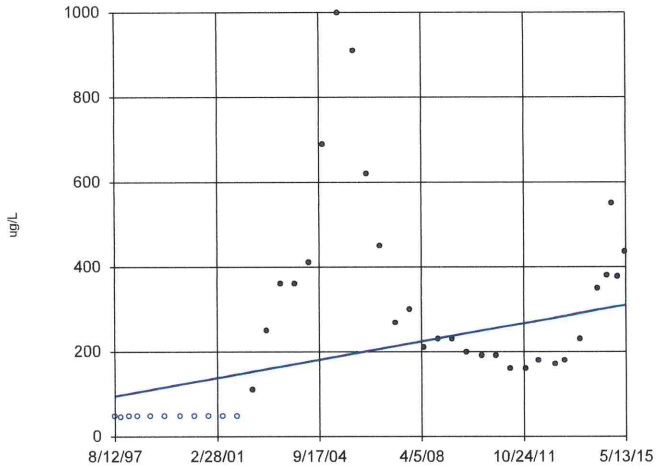
Constituent: Boron Total Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 12.11 units per year.

Mann-Kendall statistic = 266
critical = 201

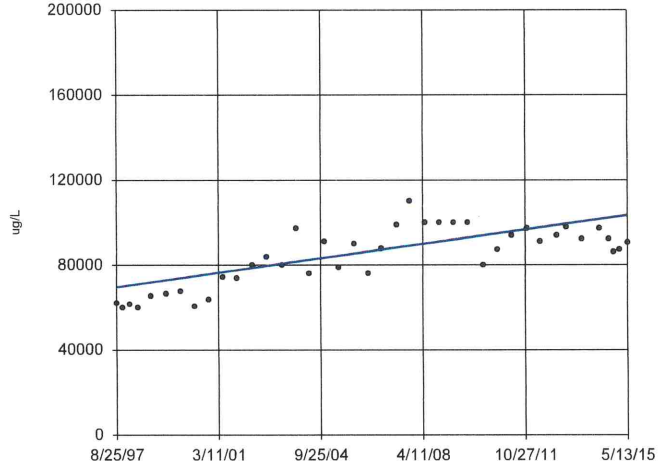
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Boron Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 1908 units per year.

Mann-Kendall statistic = 403
critical = 201

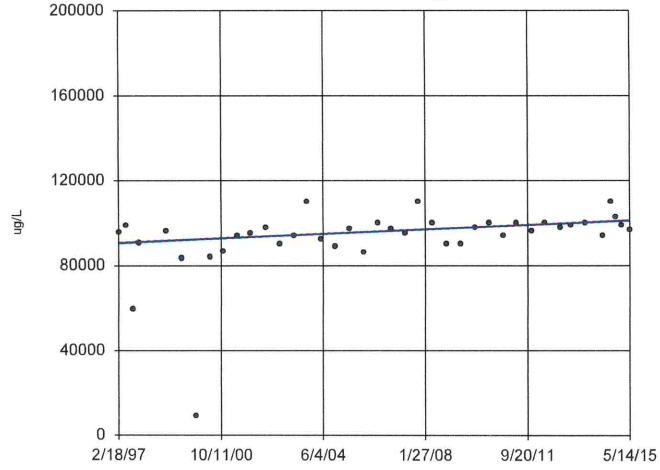
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 584.2 units per year.

Mann-Kendall statistic = 291
critical = 201

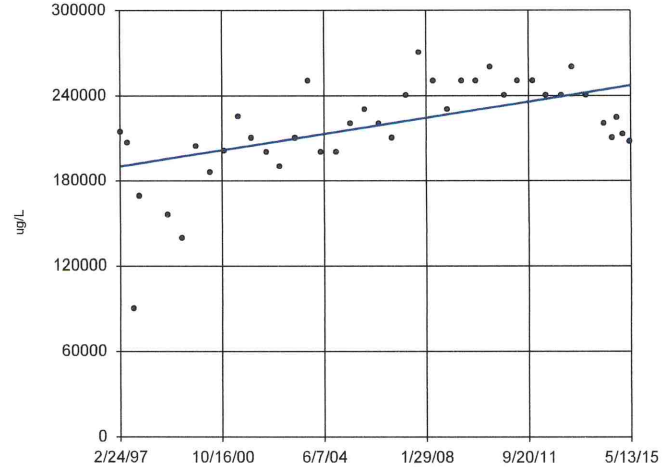
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = 3124 units per year.

Mann-Kendall statistic = 313
critical = 201

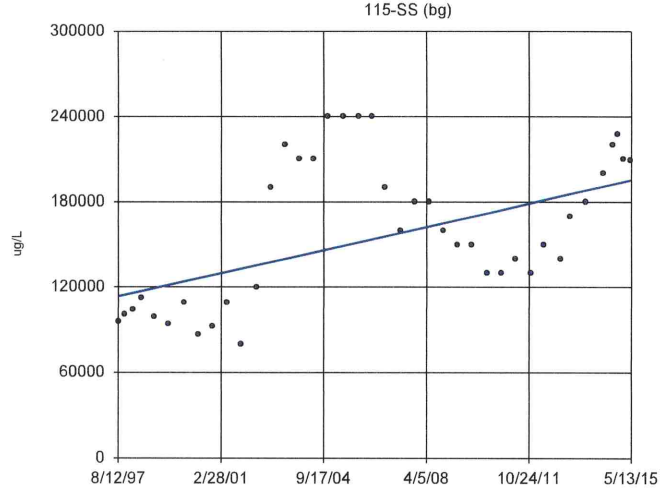
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 4611 units per year.

Mann-Kendall statistic = 259 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

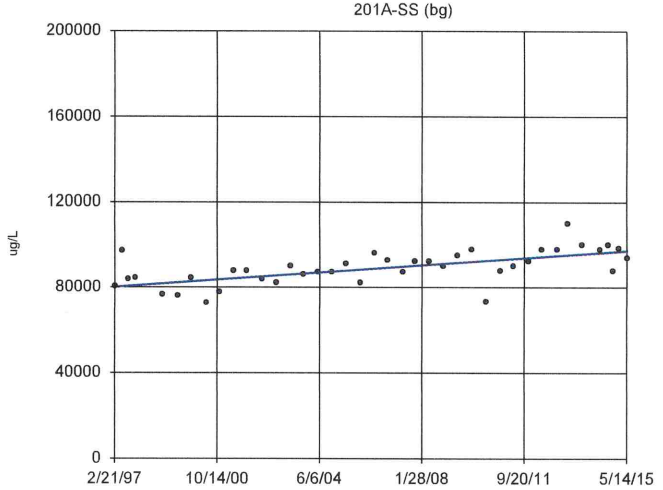
Constituent: Calcium Total Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 941.3 units per year.

Mann-Kendall statistic = 409 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

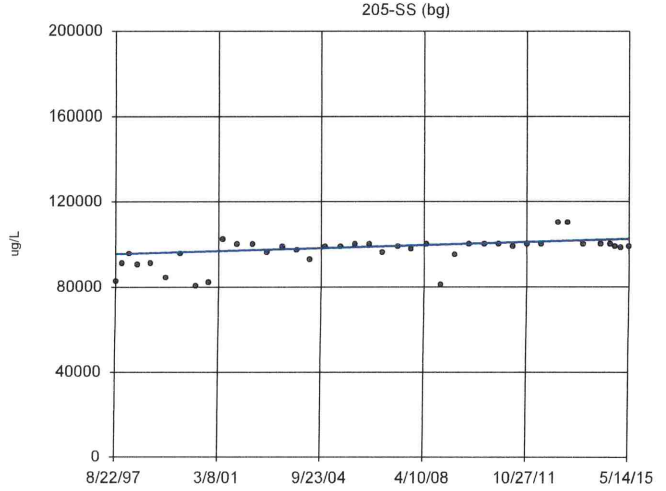
Constituent: Calcium Total Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = 391 units per year.

Mann-Kendall statistic = 295 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Total Analysis Run 1/7/2016 1:04 PM

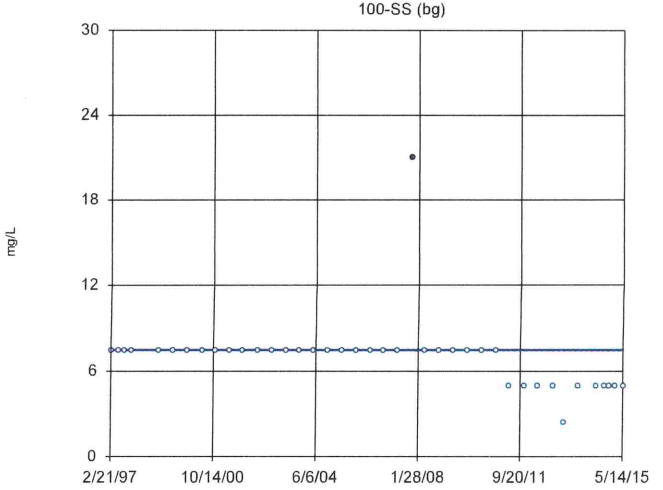
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -301 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

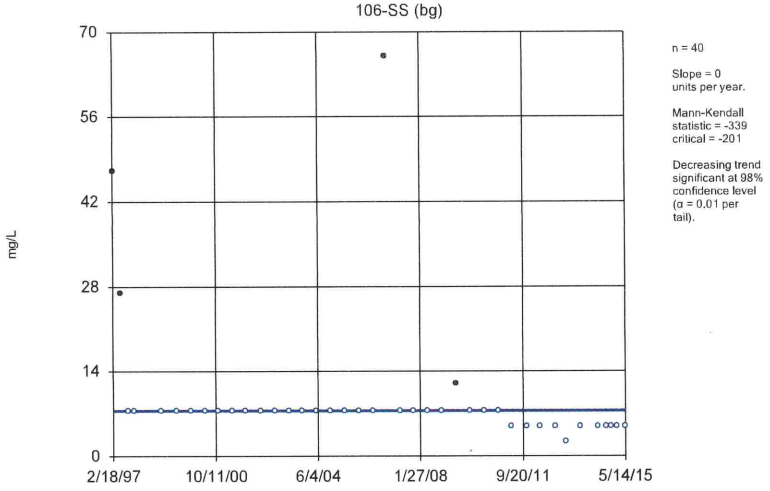
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -339
critical = -201

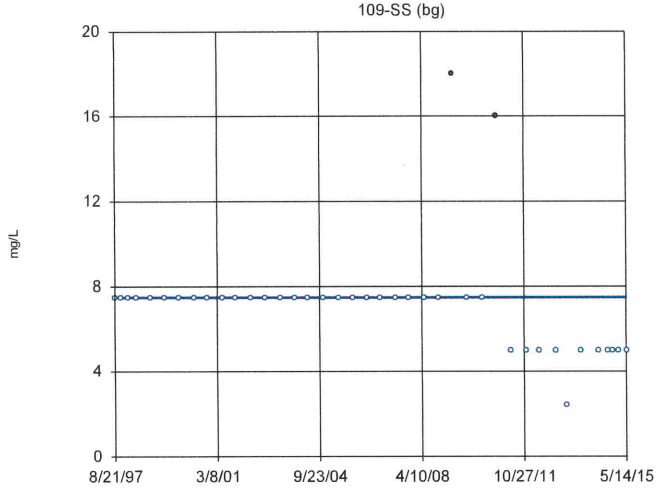
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -268
critical = -201

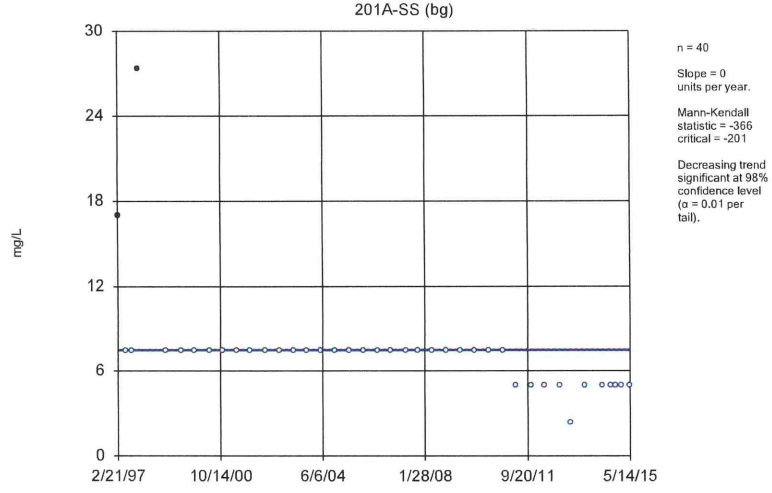
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -366
critical = -201

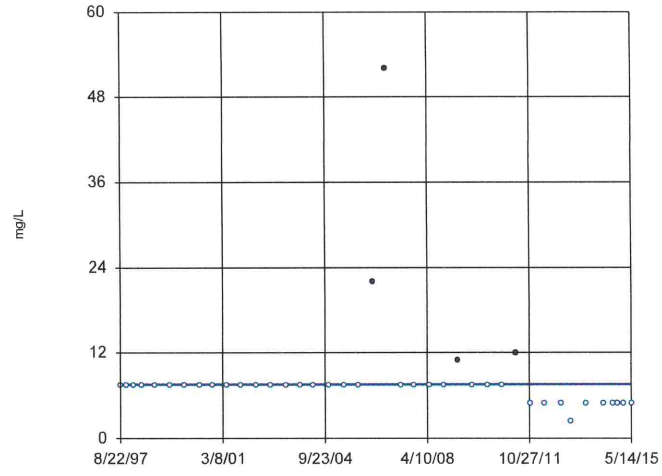
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -229
critical = -201

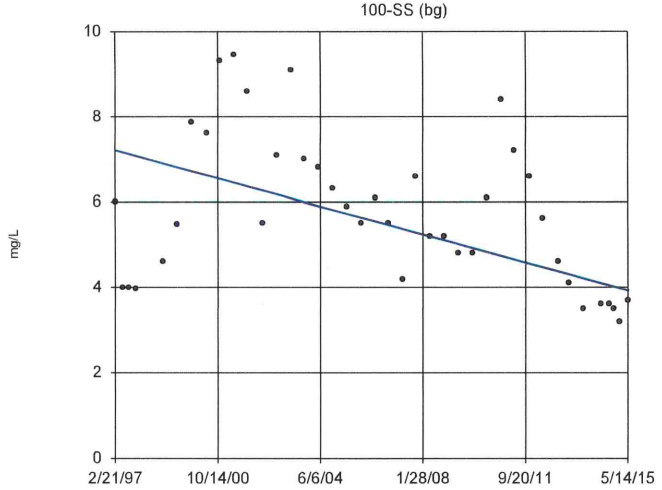
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = -0.1805 units per year.

Mann-Kendall statistic = -260 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

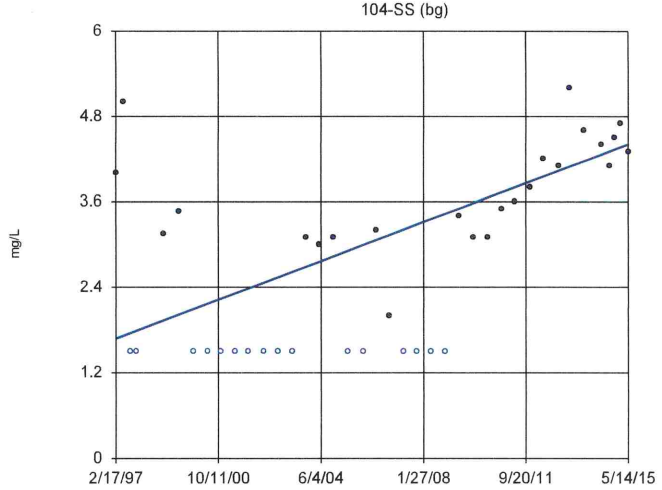
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = 0.1496 units per year.

Mann-Kendall statistic = 335 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

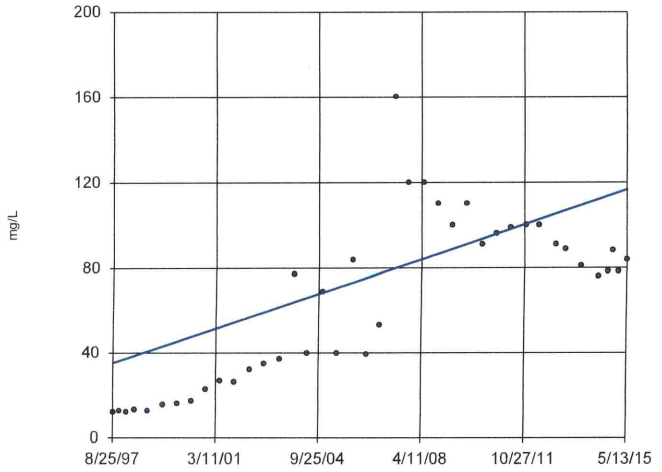
Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 4.592 units per year.

Mann-Kendall statistic = 437 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

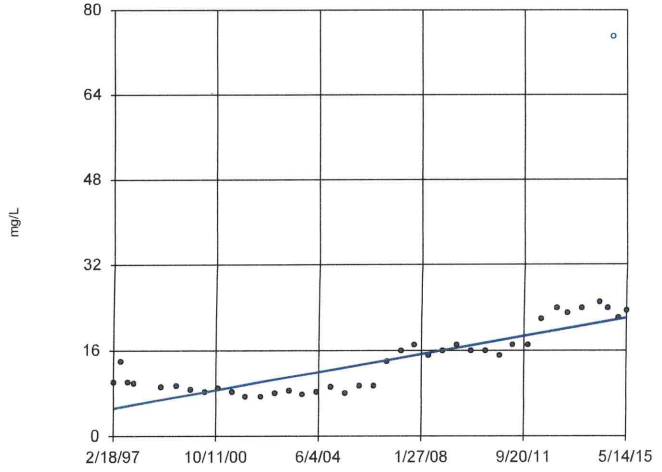
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 0.9369 units per year.

Mann-Kendall statistic = 452 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

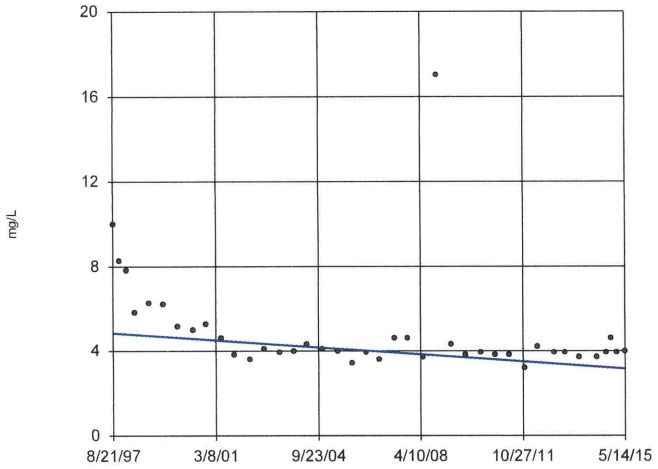
Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = -0.09448 units per year.

Mann-Kendall statistic = -319 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

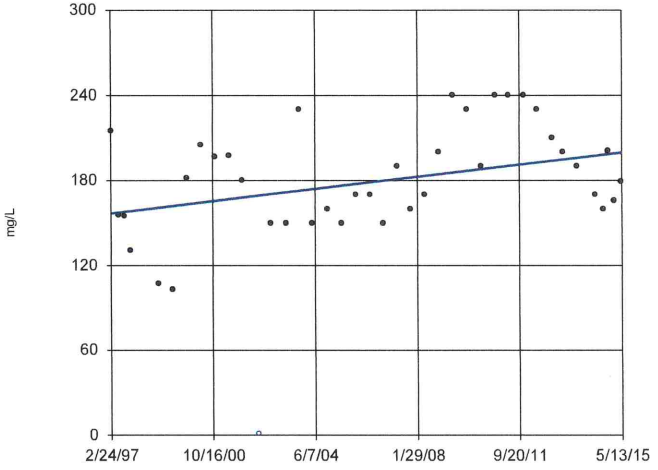
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = 2.339 units per year.

Mann-Kendall statistic = 204 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

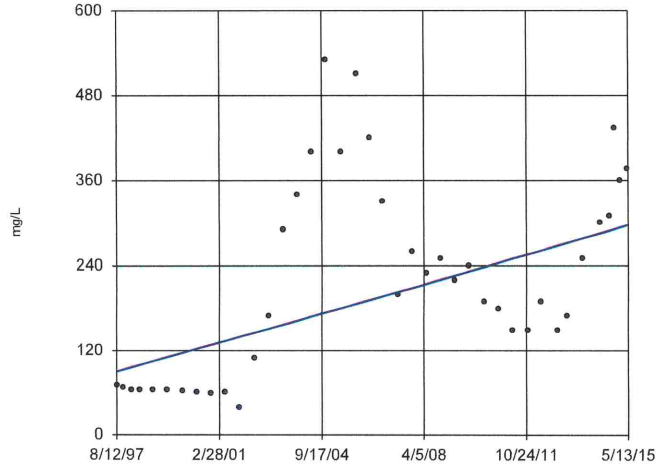
Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 11.58 units per year.

Mann-Kendall statistic = 248 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

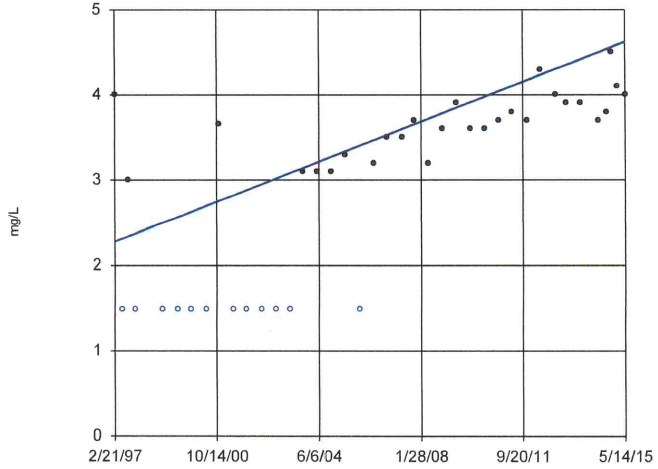
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 0.1287 units per year.

Mann-Kendall statistic = 491 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

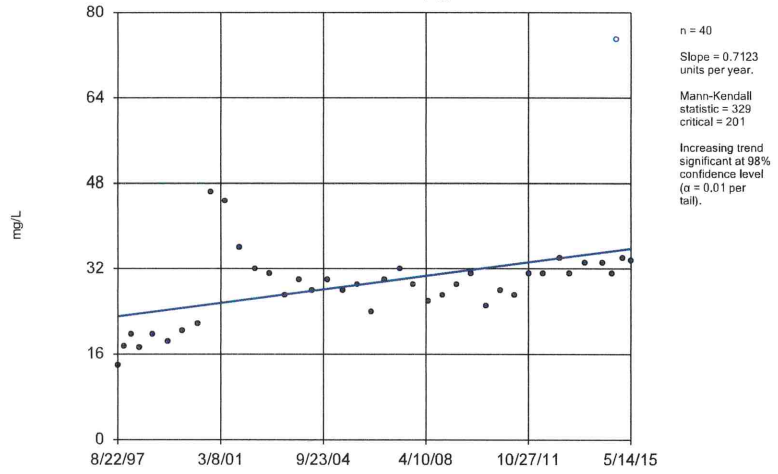
Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = 0.7123 units per year.

Mann-Kendall statistic = 329
critical = 201

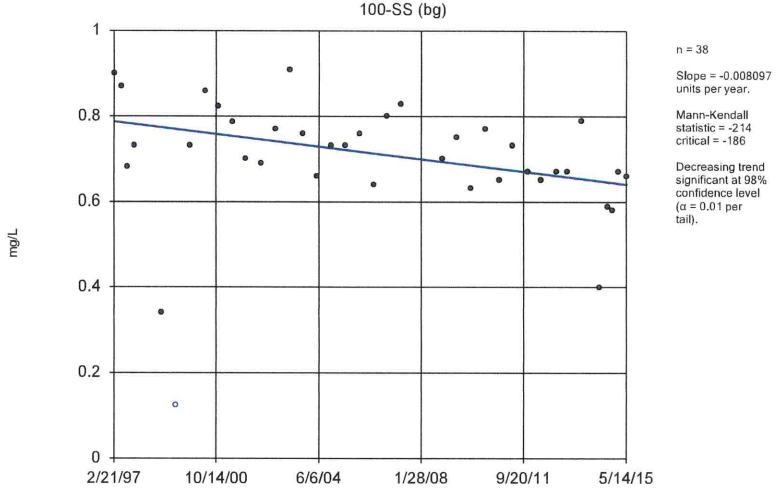
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SS (bg)



n = 38

Slope = -0.008097 units per year.

Mann-Kendall statistic = -214
critical = -186

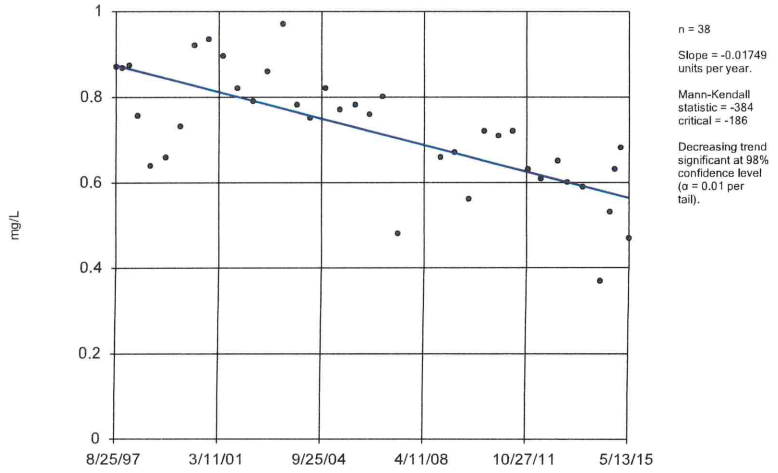
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

105-SS (bg)



n = 38

Slope = -0.01749 units per year.

Mann-Kendall statistic = -384
critical = -186

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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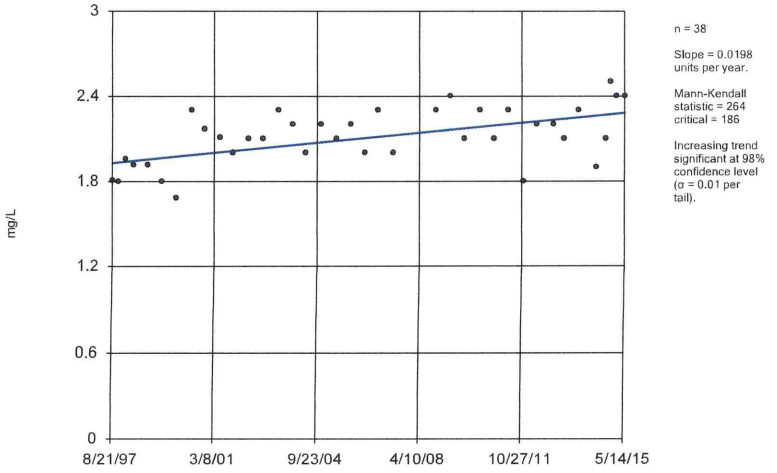
Sen's Slope Estimator

109-SS (bg)



n = 38

Slope = 0.0198 units per year.

Mann-Kendall statistic = 264
critical = 186

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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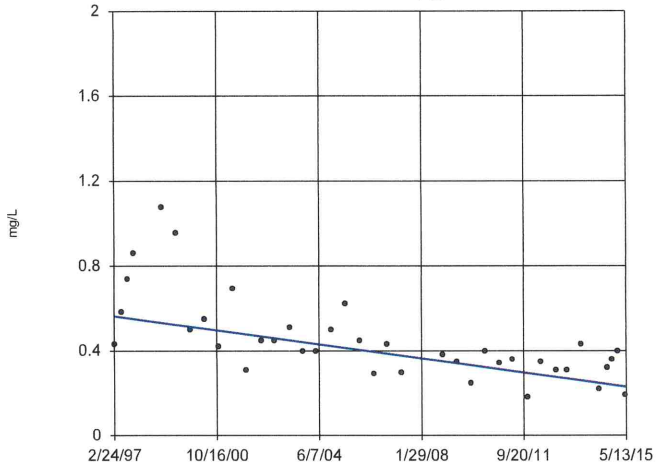
Sen's Slope Estimator

110-SS (bg)



n = 38

Slope = -0.01819 units per year.

Mann-Kendall statistic = -375
critical = -186

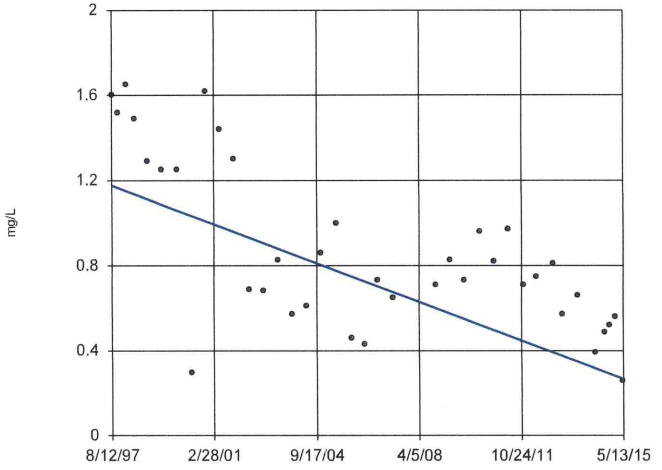
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

115-SS (bg)



n = 38

Slope = -0.05116 units per year.

Mann-Kendall statistic = -340
critical = -186

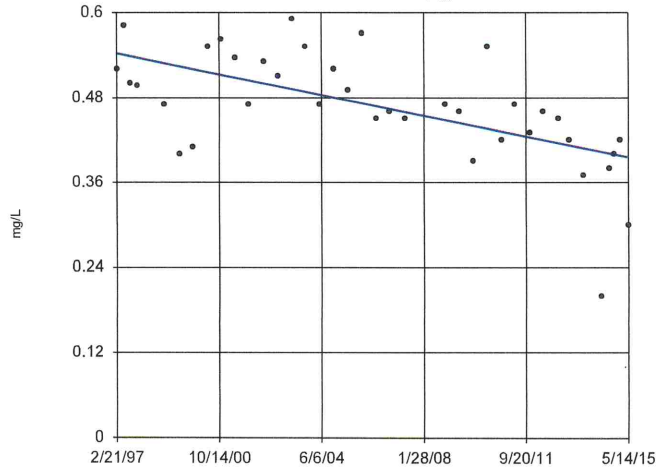
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

201A-SS (bg)



n = 38

Slope = -0.008016 units per year.

Mann-Kendall statistic = -341
critical = -186

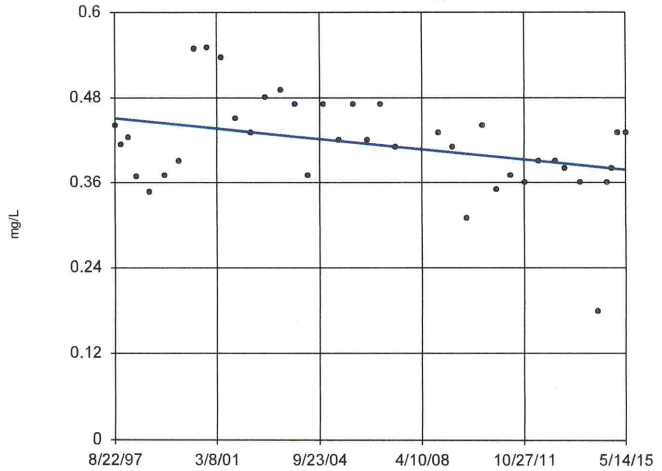
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

205-SS (bg)



n = 38

Slope = -0.004092 units per year.

Mann-Kendall statistic = -188
critical = -186

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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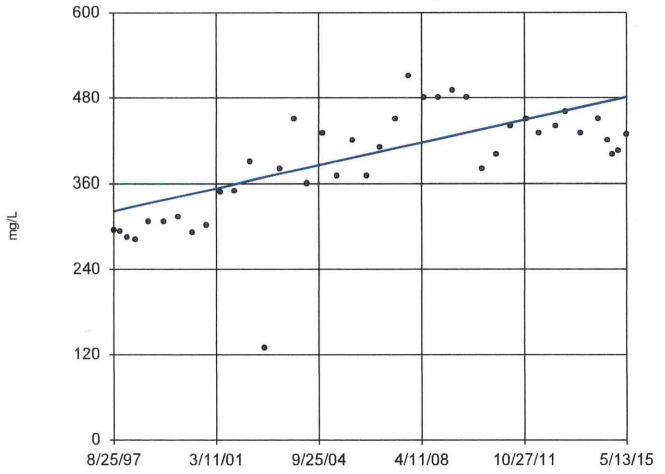
Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 9.008 units per year.

Mann-Kendall statistic = 387 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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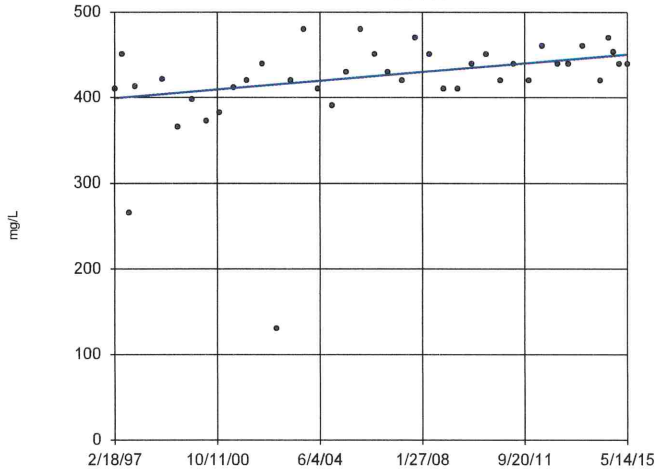
Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 2.804 units per year.

Mann-Kendall statistic = 278 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

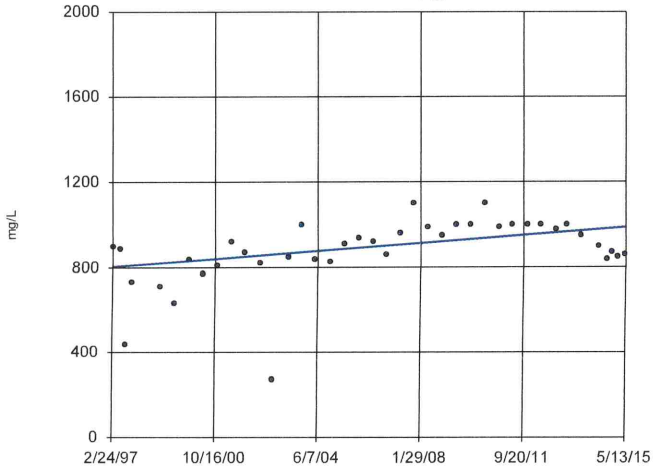
Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = 10.01 units per year.

Mann-Kendall statistic = 287 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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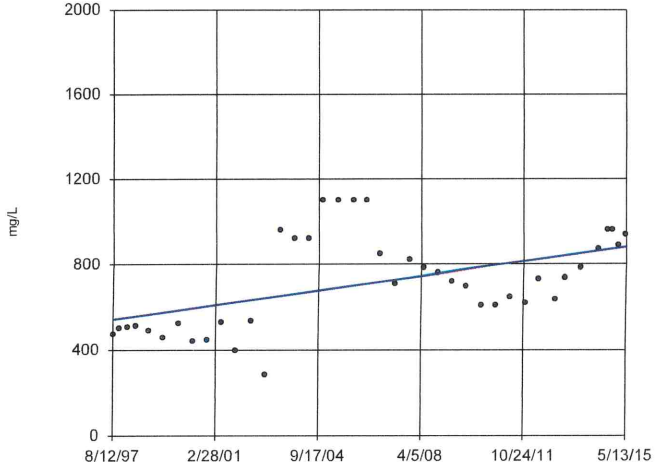
Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 18.87 units per year.

Mann-Kendall statistic = 276 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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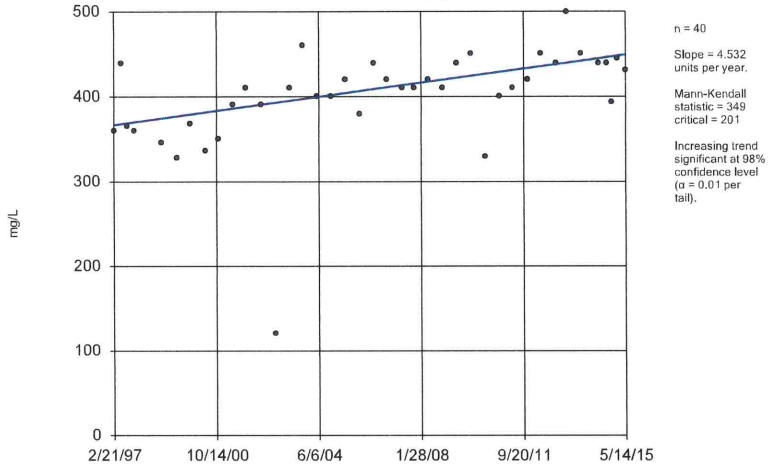
Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 4.532 units per year.

Mann-Kendall statistic = 349
critical = 201

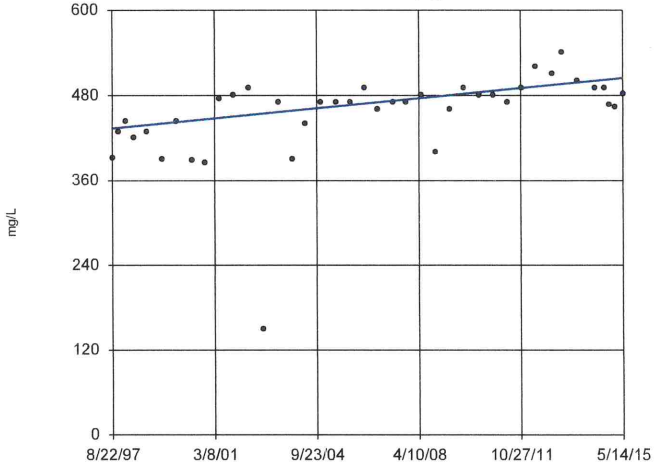
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = 3.993 units per year.

Mann-Kendall statistic = 352
critical = 201

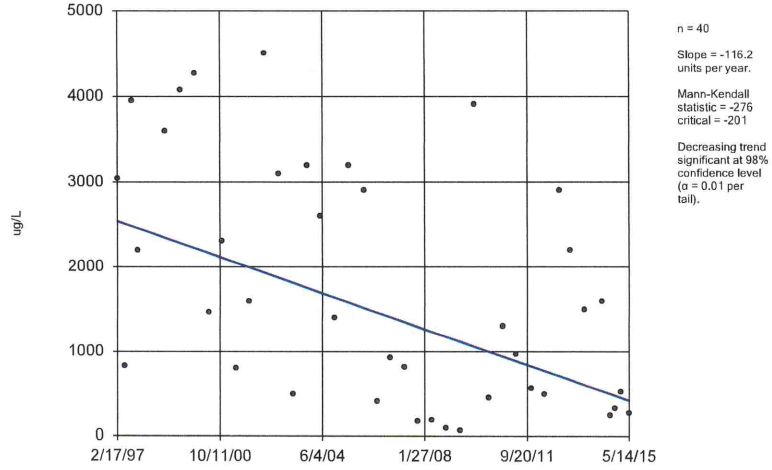
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = -116.2 units per year.

Mann-Kendall statistic = -276
critical = -201

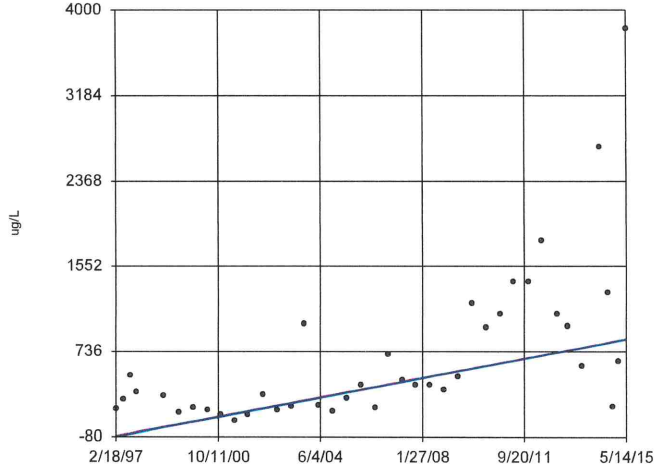
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Iron Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 51.01 units per year.

Mann-Kendall statistic = 414
critical = 201

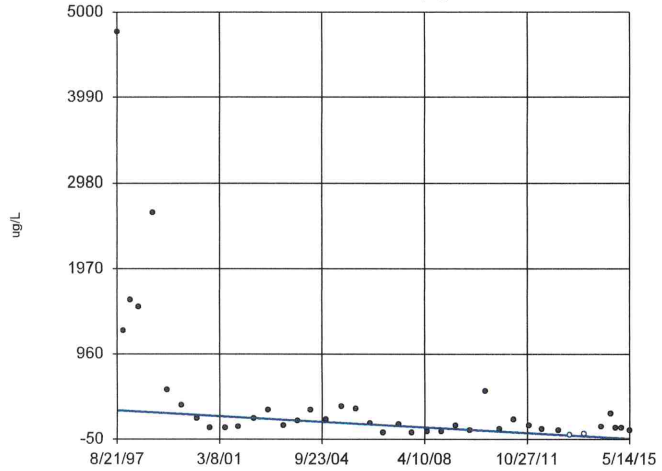
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Iron Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = -18.82 units per year.

Mann-Kendall statistic = -357 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

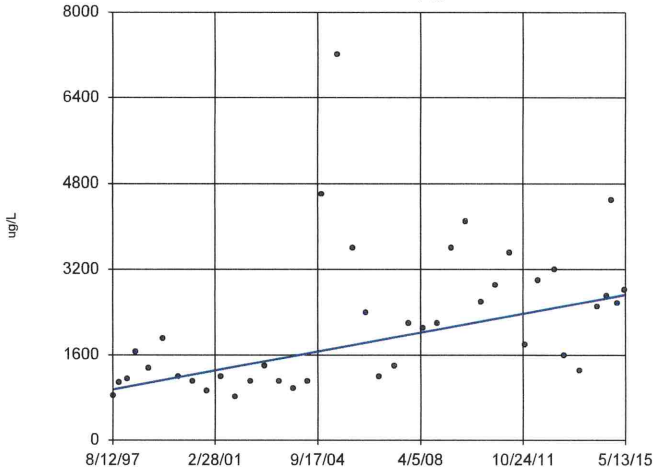
Constituent: Iron Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 100.5 units per year.

Mann-Kendall statistic = 332 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

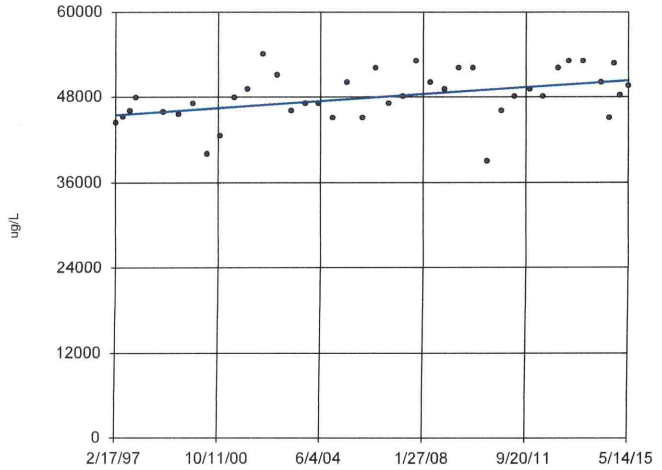
Constituent: Iron Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = 266.6 units per year.

Mann-Kendall statistic = 263 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

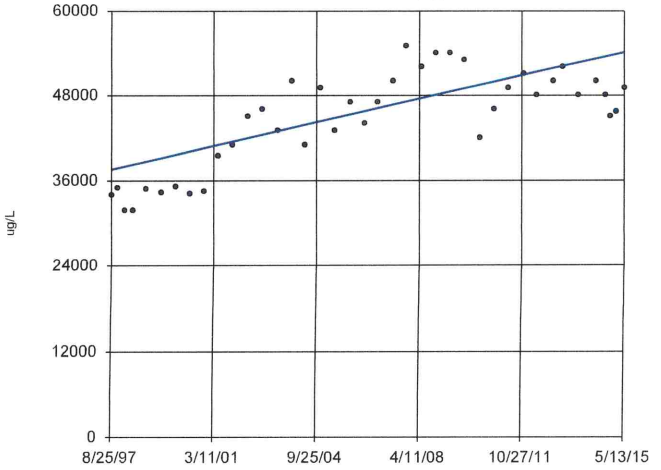
Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 937 units per year.

Mann-Kendall statistic = 399 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

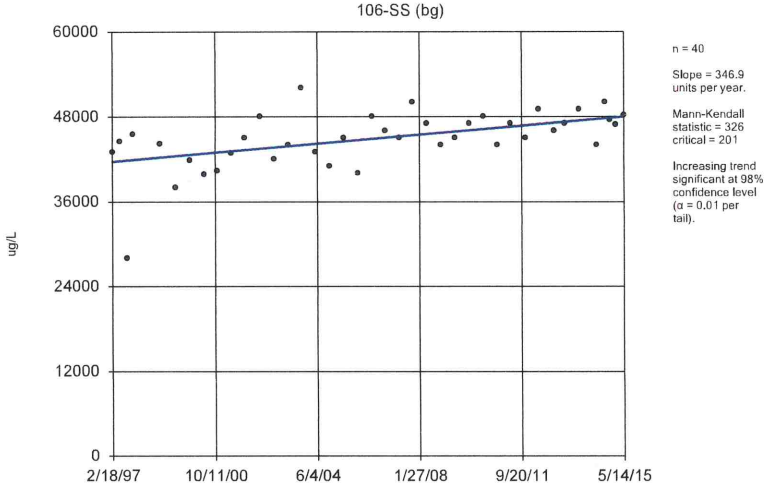
Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 346.9 units per year.

Mann-Kendall statistic = 326
critical = 201

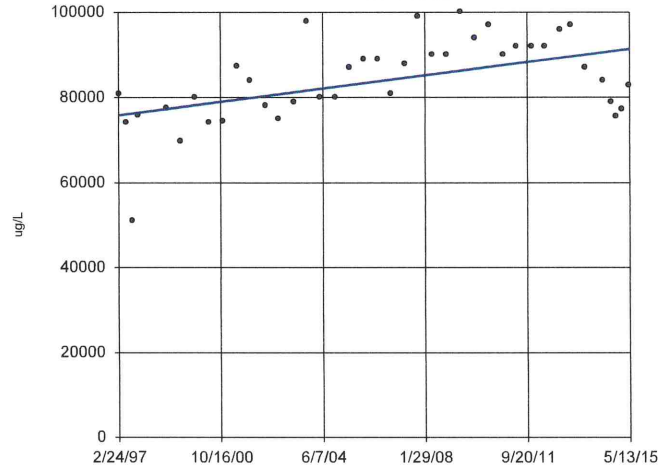
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = 851.4 units per year.

Mann-Kendall statistic = 291
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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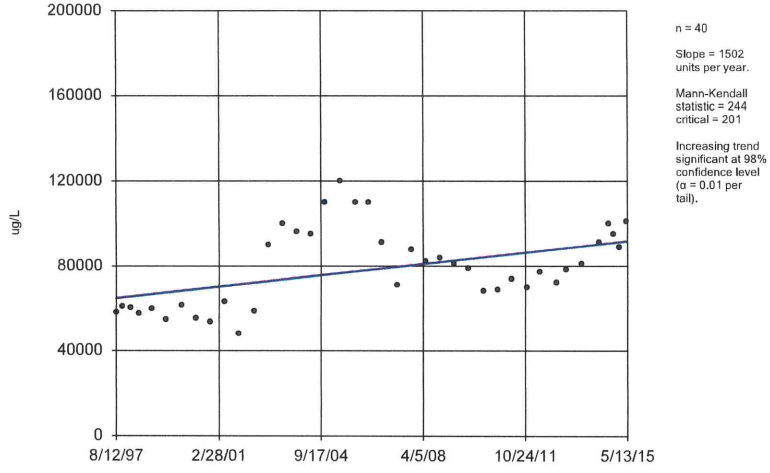
Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 1502 units per year.

Mann-Kendall statistic = 244
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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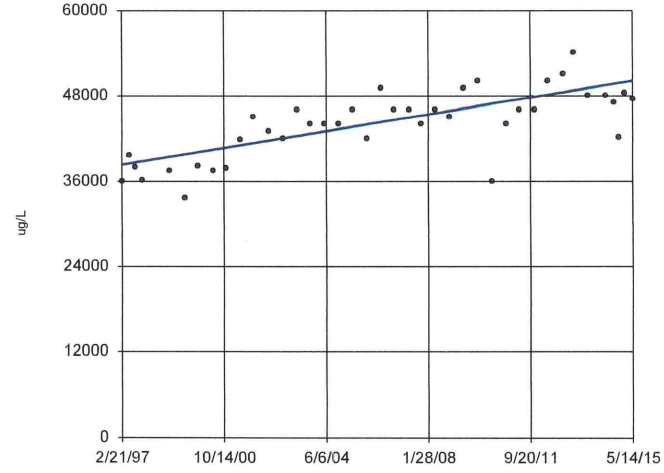
Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 642.5 units per year.

Mann-Kendall statistic = 444
critical = 201

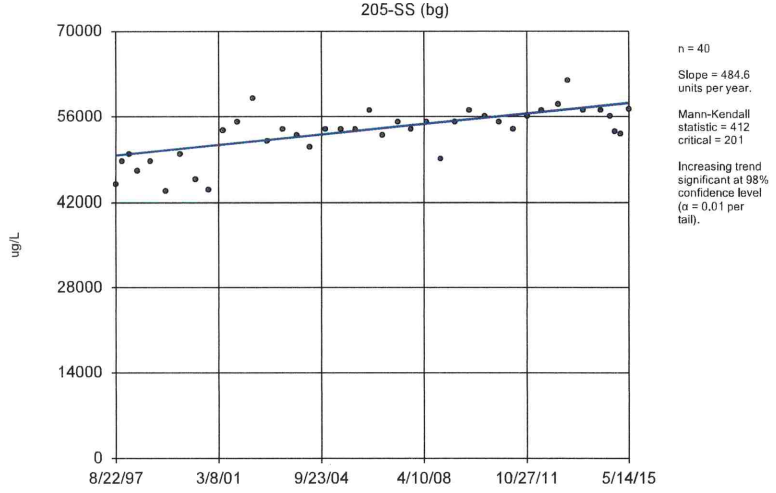
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = 484.6 units per year.

Mann-Kendall statistic = 412 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM

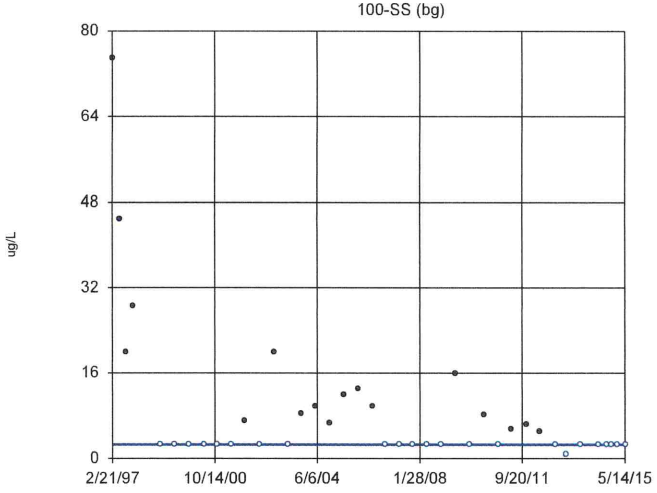
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -215 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM

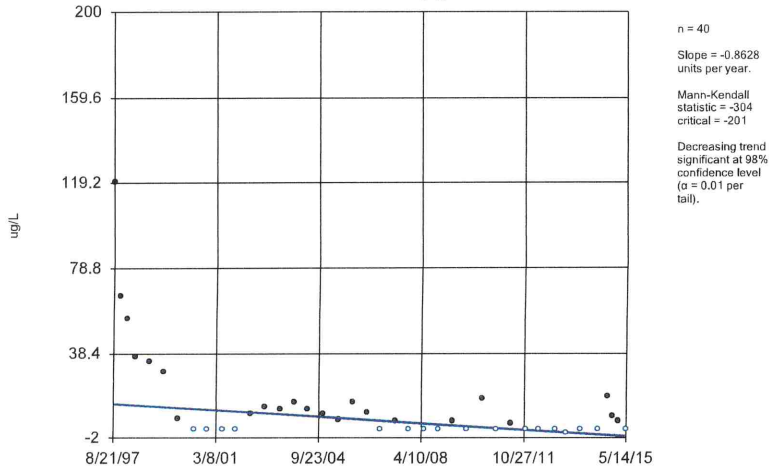
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = -0.8628 units per year.

Mann-Kendall statistic = -304 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

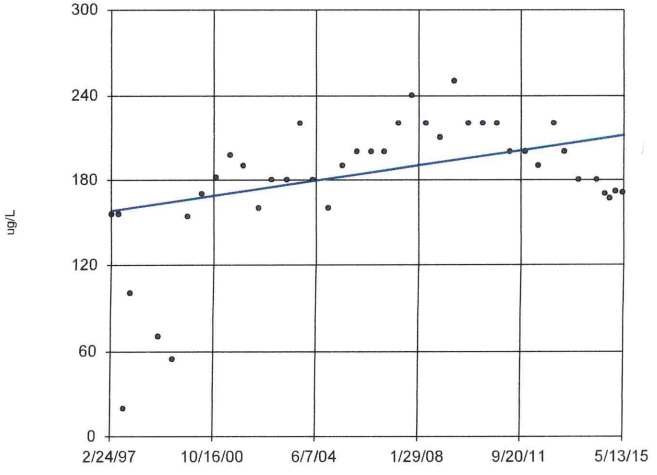
Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = 2.934 units per year.

Mann-Kendall statistic = 236 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

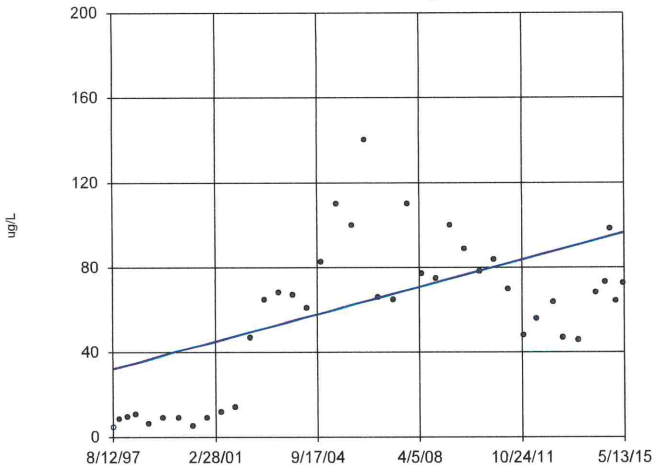
Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 3.607 units per year.

Mann-Kendall statistic = 301
critical = 201

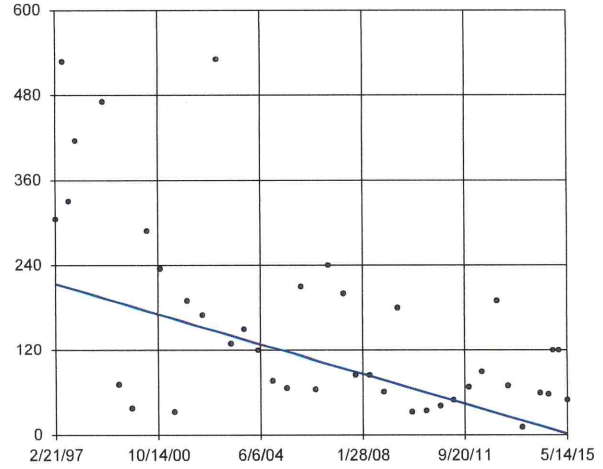
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = -11.65 units per year.

Mann-Kendall statistic = -318
critical = -201

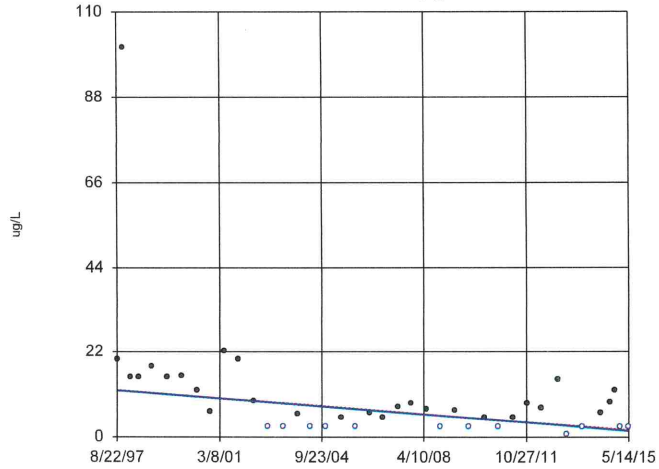
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = -0.5884 units per year.

Mann-Kendall statistic = -264
critical = -201

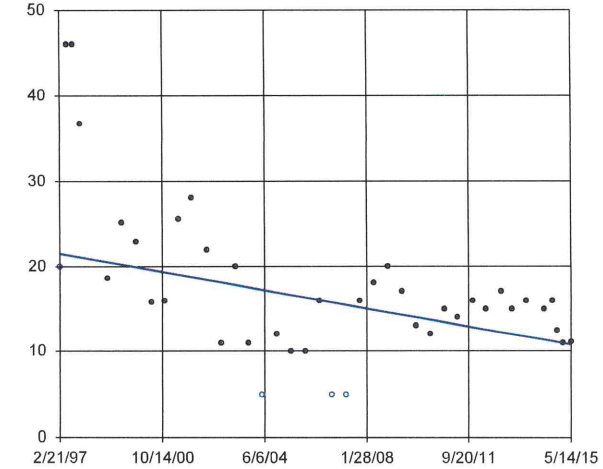
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = -0.5913 units per year.

Mann-Kendall statistic = -261
critical = -201

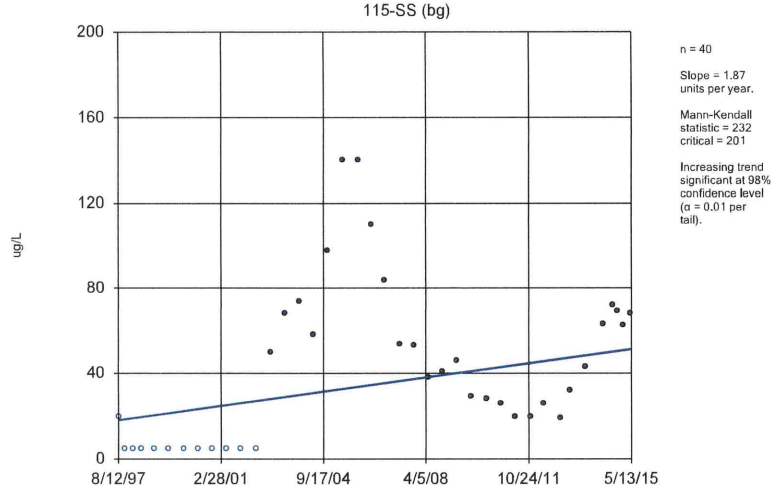
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nickel Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 1.87 units per year.

Mann-Kendall statistic = 232
critical = 201

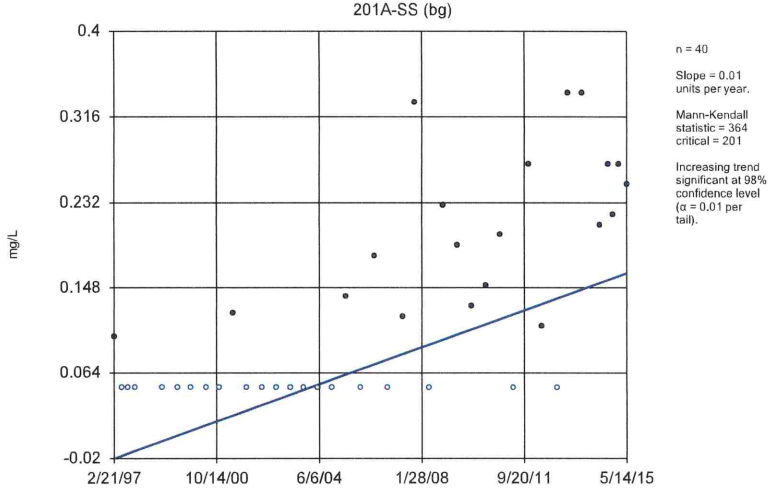
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nickel Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 0.01 units per year.

Mann-Kendall statistic = 364
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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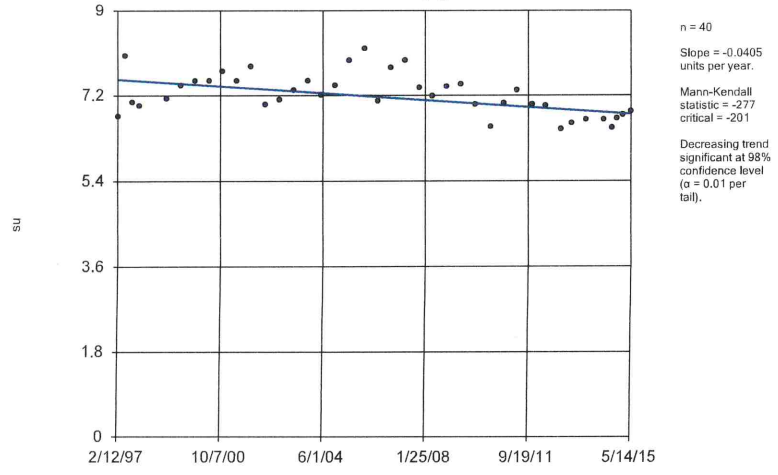
Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = -0.0405 units per year.

Mann-Kendall statistic = -277
critical = -201

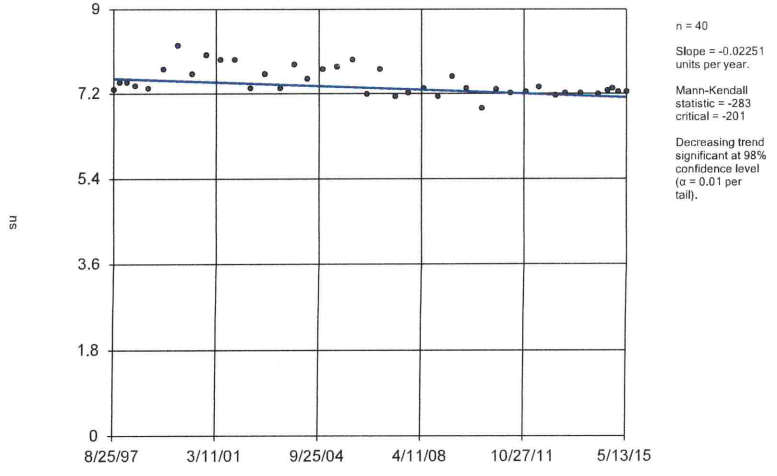
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = -0.02251 units per year.

Mann-Kendall statistic = -283
critical = -201

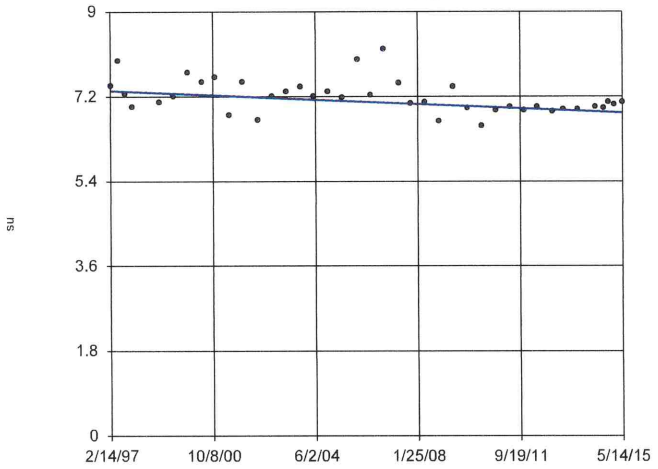
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = -0.02559 units per year.

Mann-Kendall statistic = -255
critical = -201

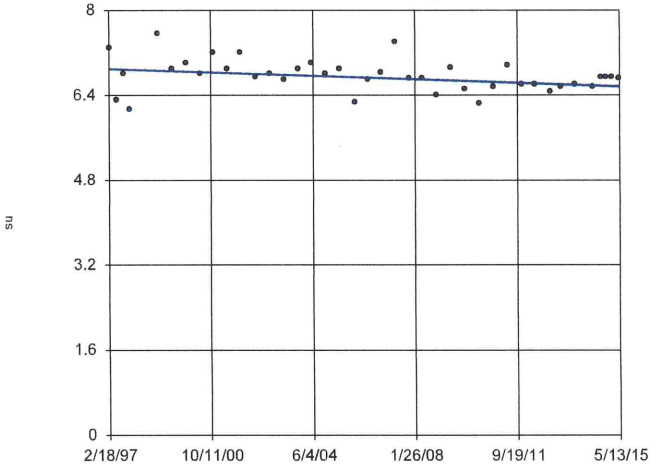
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = -0.01825 units per year.

Mann-Kendall statistic = -207
critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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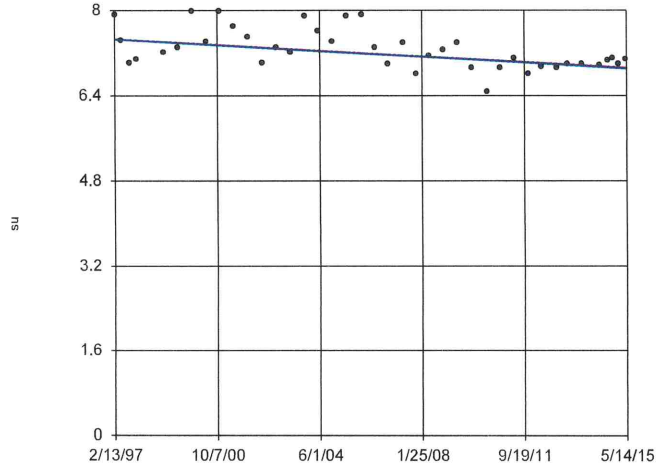
Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = -0.0296 units per year.

Mann-Kendall statistic = -300
critical = -201

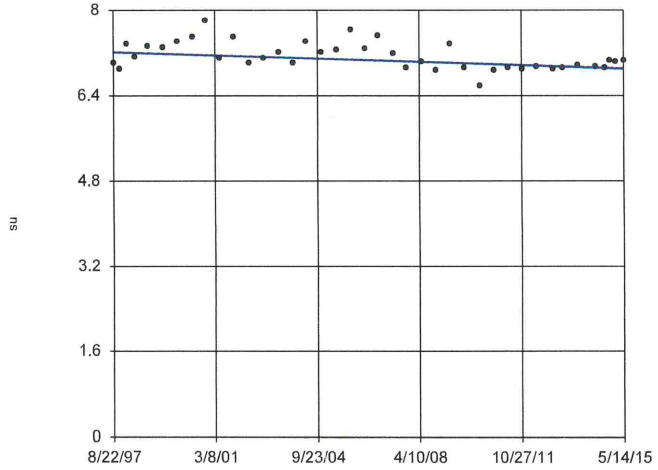
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = -0.01733 units per year.

Mann-Kendall statistic = -228
critical = -201

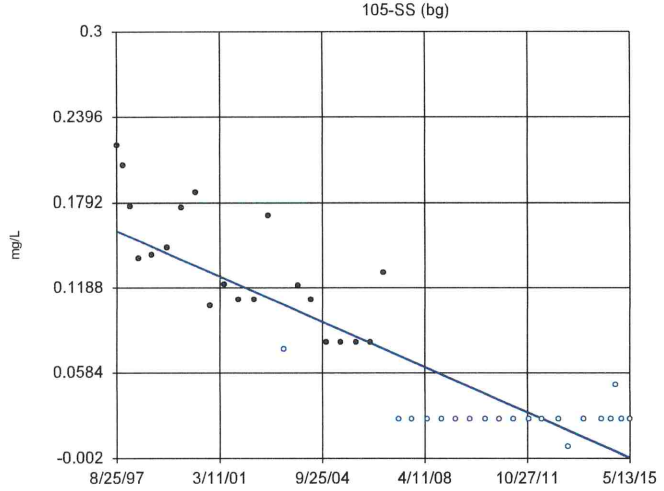
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = -0.009051 units per year.

Mann-Kendall statistic = -509
critical = -201

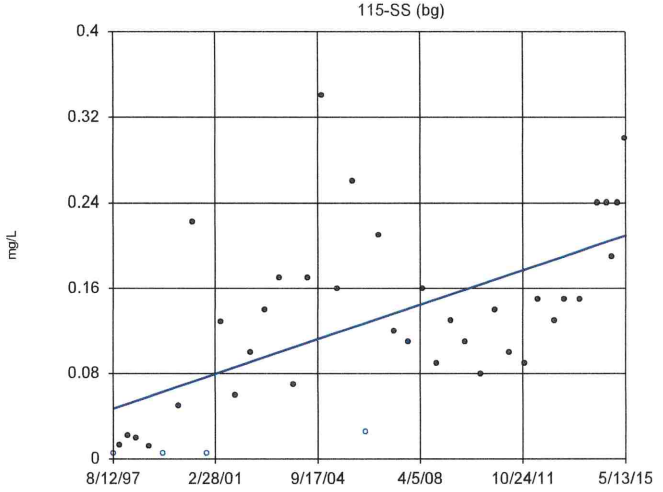
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Phosphorus Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 0.009173 units per year.

Mann-Kendall statistic = 344
critical = 201

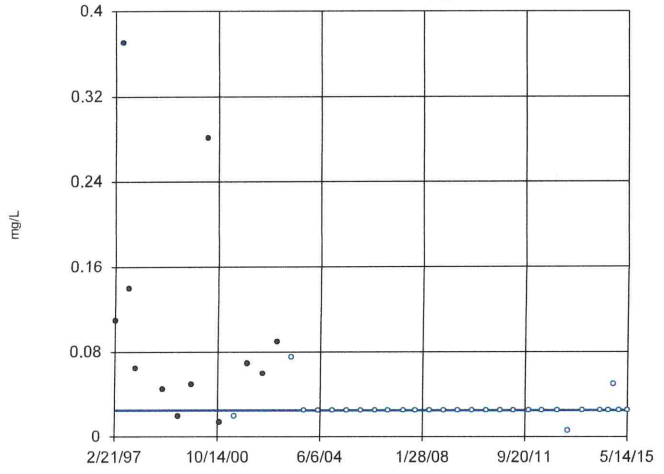
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Phosphorus Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -217
critical = -201

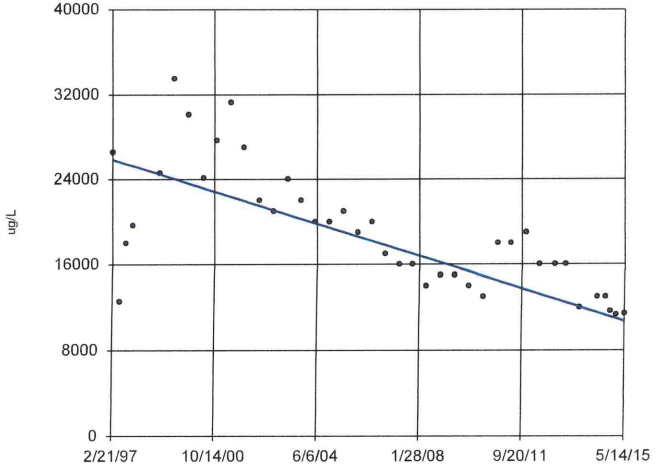
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Phosphorus Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = -831.9 units per year.

Mann-Kendall statistic = -488
critical = -201

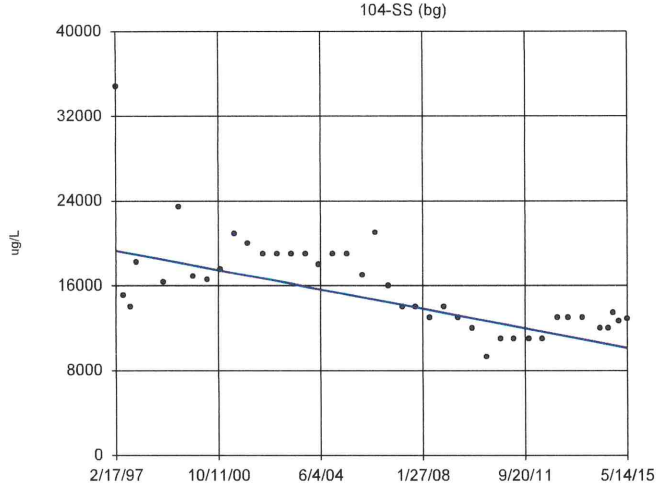
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = -502.2 units per year.

Mann-Kendall statistic = -400
critical = -201

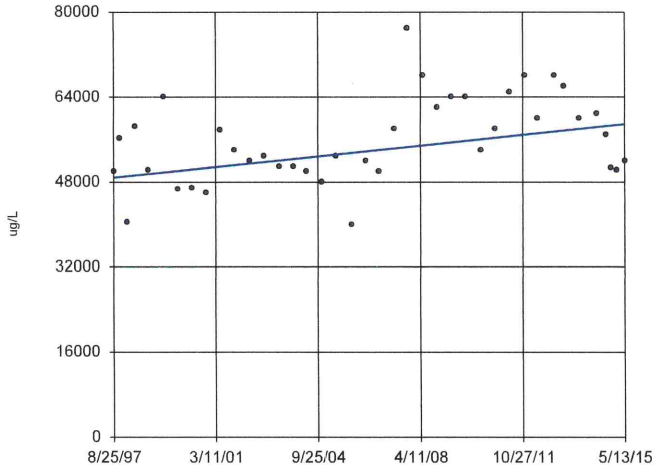
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 571 units per year.

Mann-Kendall statistic = 215
critical = 201

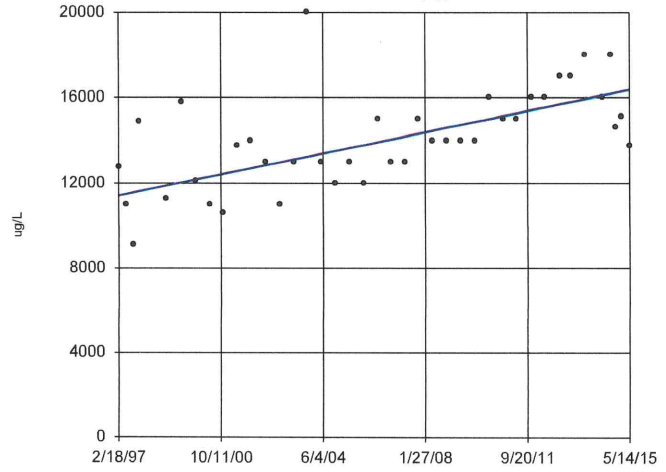
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 269.6 units per year.

Mann-Kendall statistic = 394
critical = 201

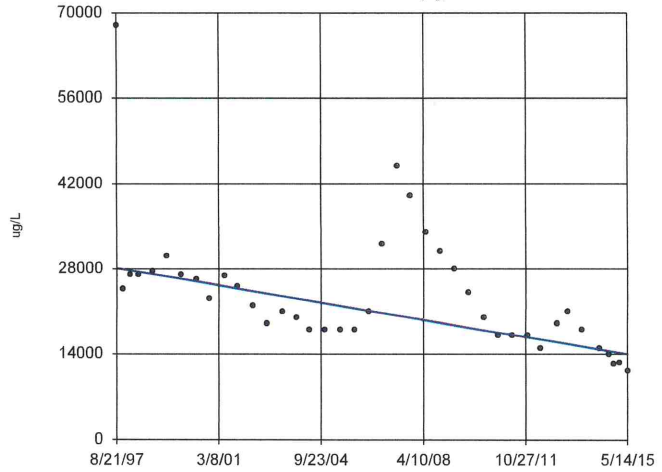
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = -794.1 units per year.

Mann-Kendall statistic = -400
critical = -201

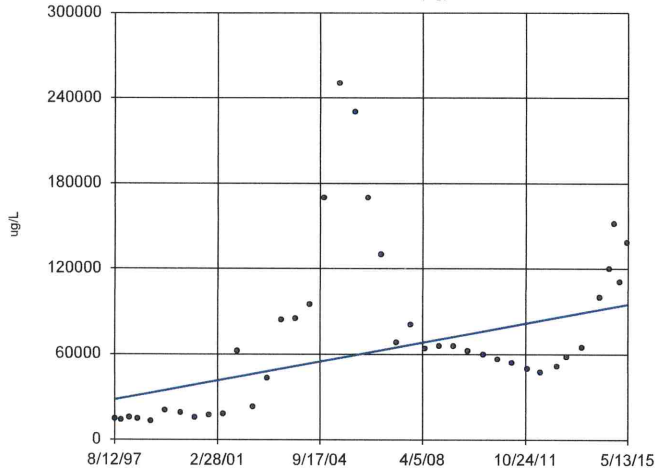
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 3767 units per year.

Mann-Kendall statistic = 297 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

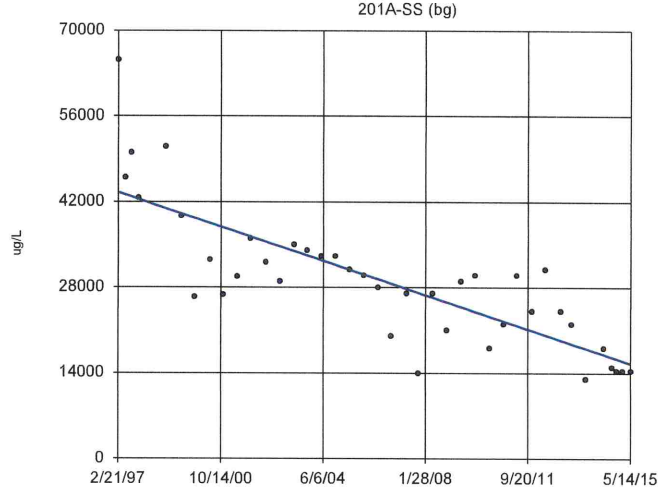
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = -1529 units per year.

Mann-Kendall statistic = -493 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

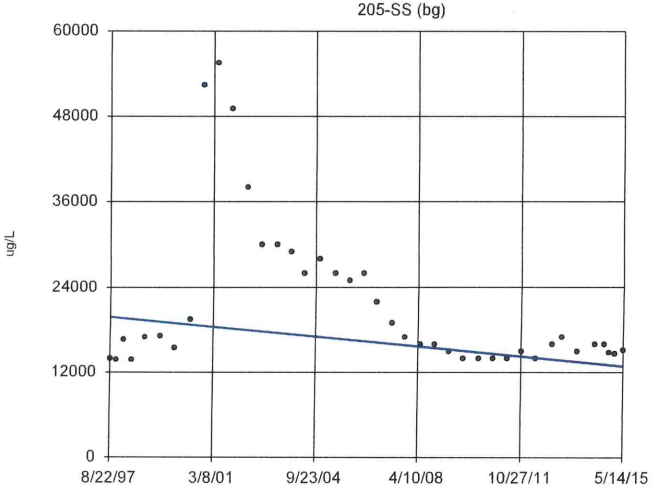
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = -392.5 units per year.

Mann-Kendall statistic = -234 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

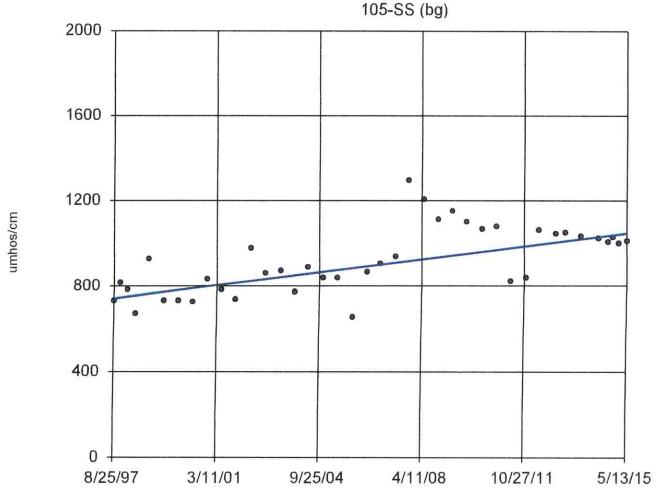
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 17.15 units per year.

Mann-Kendall statistic = 333 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

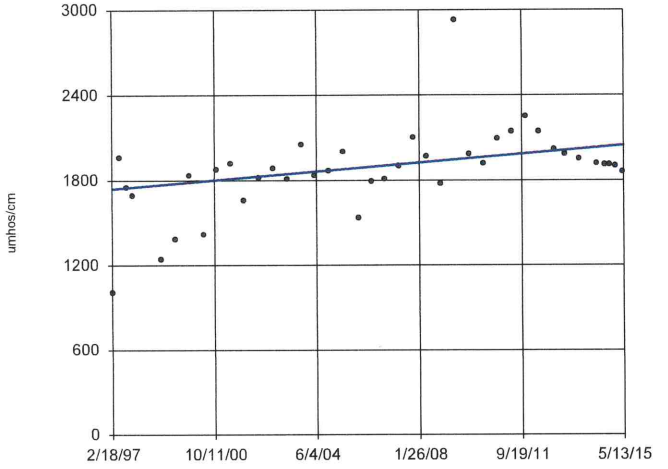
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = 16.95 units per year.

Mann-Kendall statistic = 292 critical = 201

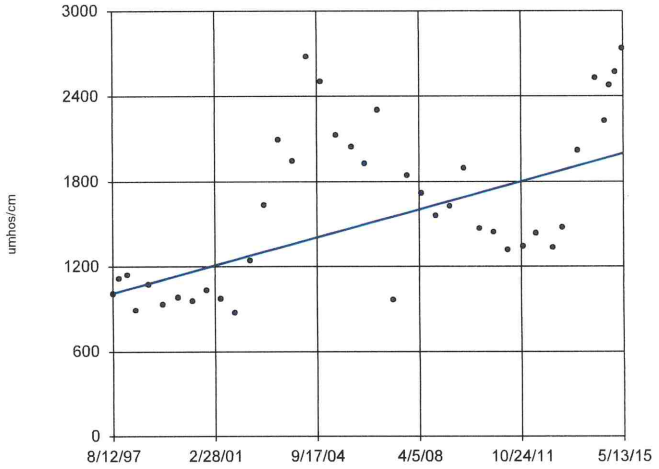
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 55.65 units per year.

Mann-Kendall statistic = 298 critical = 201

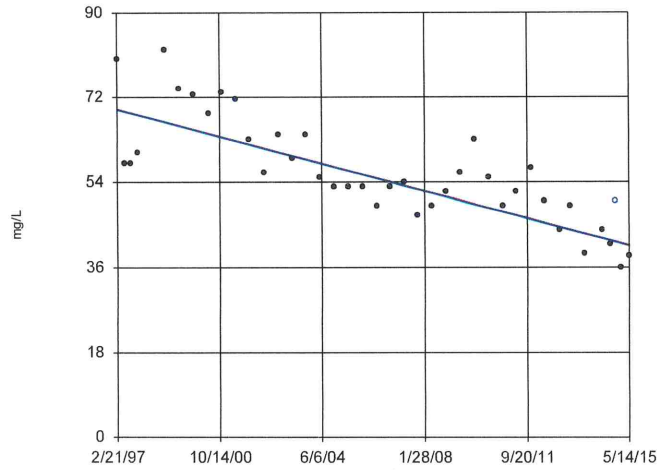
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = -1.575 units per year.

Mann-Kendall statistic = -512 critical = -201

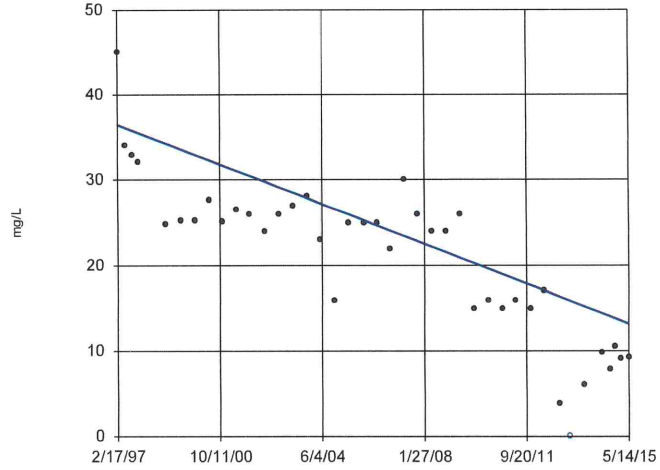
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = -1.275 units per year.

Mann-Kendall statistic = -505 critical = -201

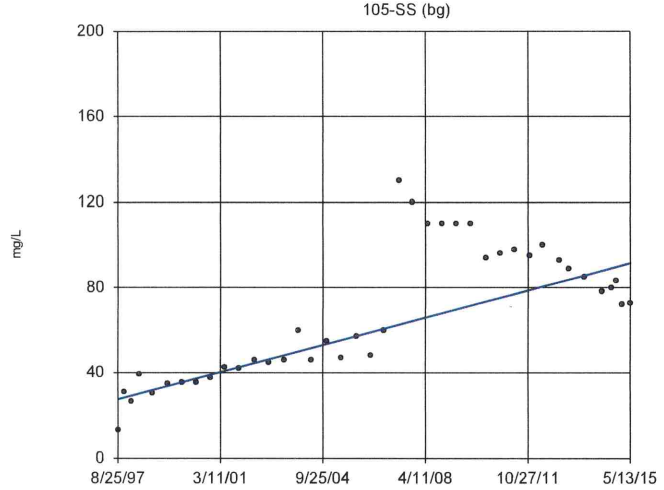
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 3.61 units per year.

Mann-Kendall statistic = 428 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

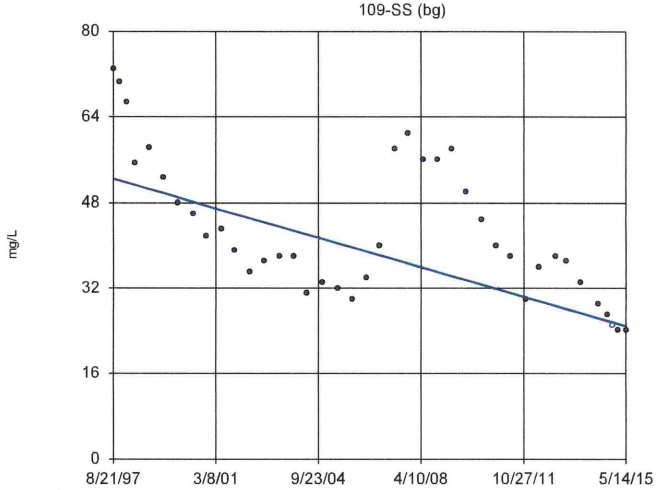
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = -1.556 units per year.

Mann-Kendall statistic = -397 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

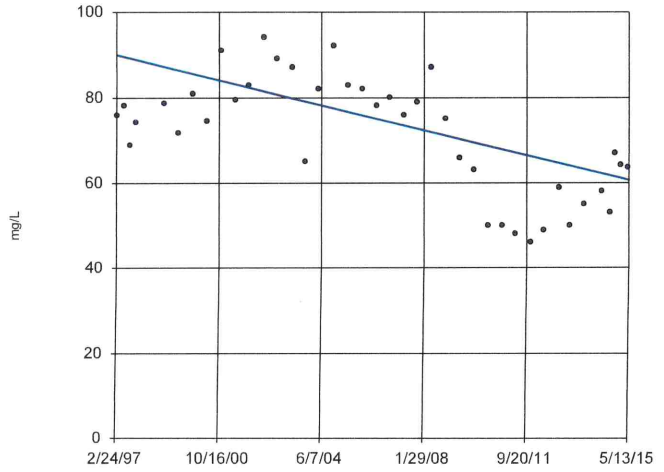
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = -1.606 units per year.

Mann-Kendall statistic = -300 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

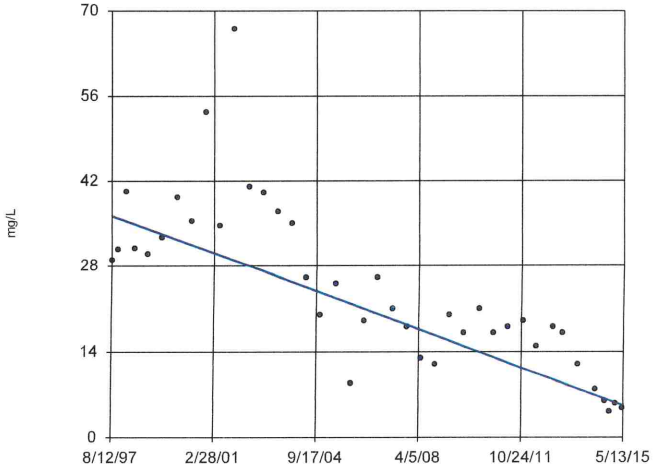
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = -1.746 units per year.

Mann-Kendall statistic = -505 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

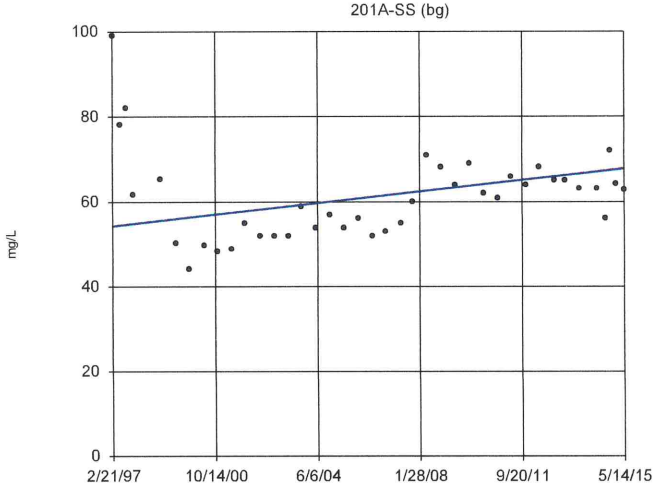
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 0.7361 units per year.

Mann-Kendall statistic = 205
critical = 201

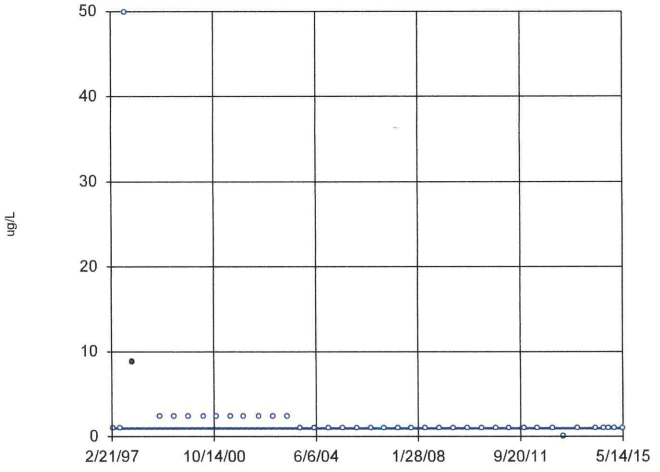
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -324
critical = -201

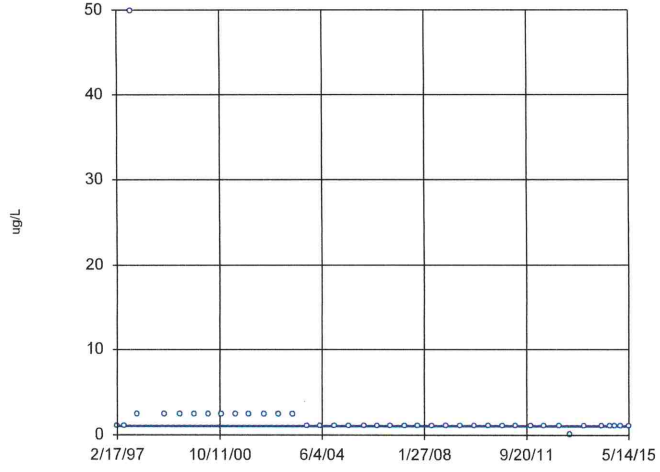
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -314
critical = -201

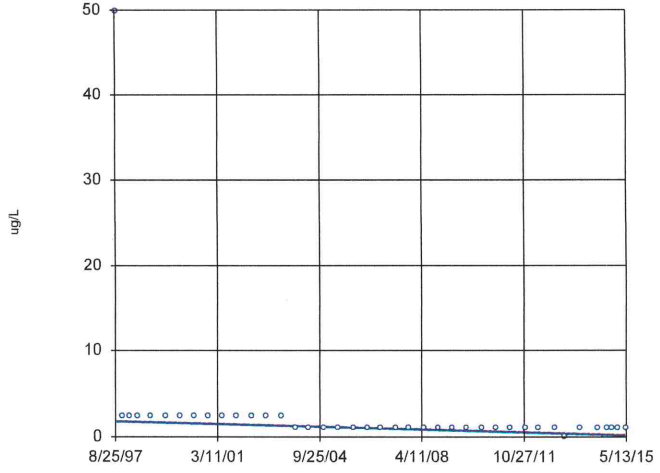
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = -0.08868 units per year.

Mann-Kendall statistic = -390
critical = -201

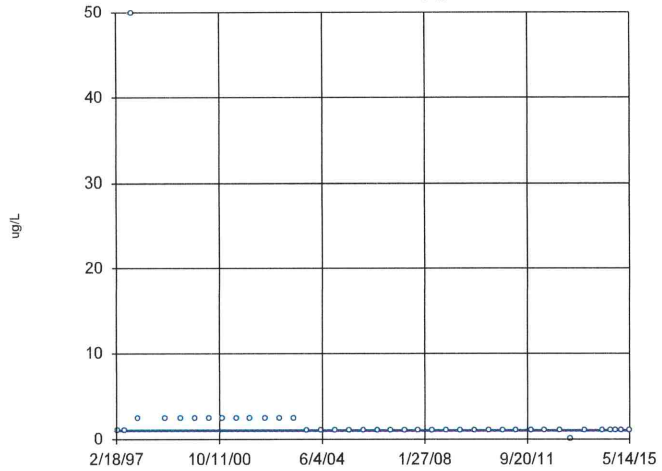
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -314
critical = -201

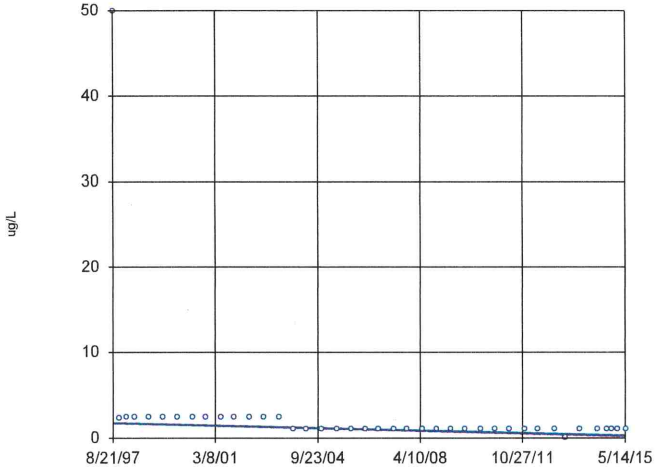
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = -0.08239
units per year.

Mann-Kendall
statistic = -378
critical = -201

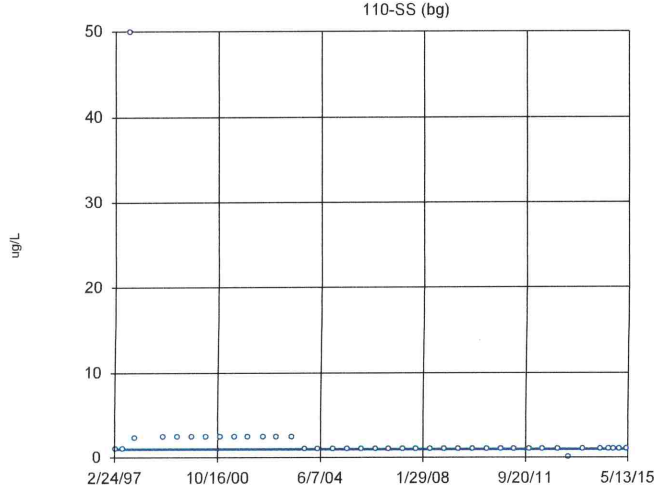
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

110-SS (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -304
critical = -201

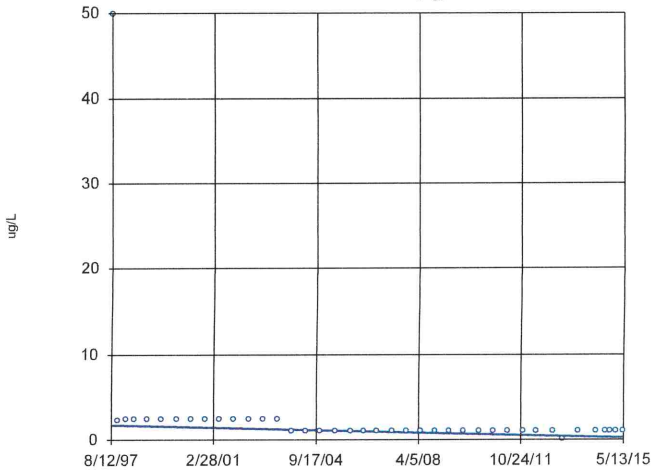
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = -0.08238
units per year.

Mann-Kendall
statistic = -378
critical = -201

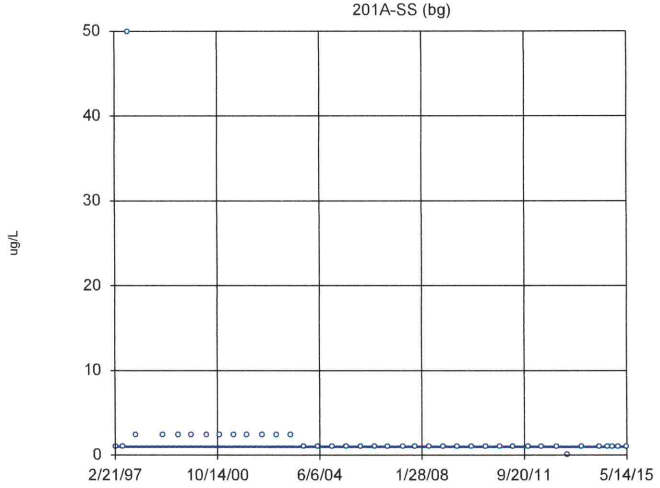
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

201A-SS (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -314
critical = -201

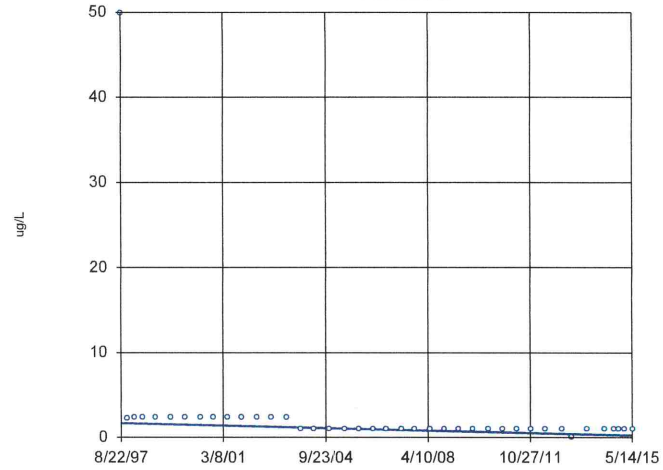
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = -0.08234 units per year.

Mann-Kendall statistic = -378
critical = -201

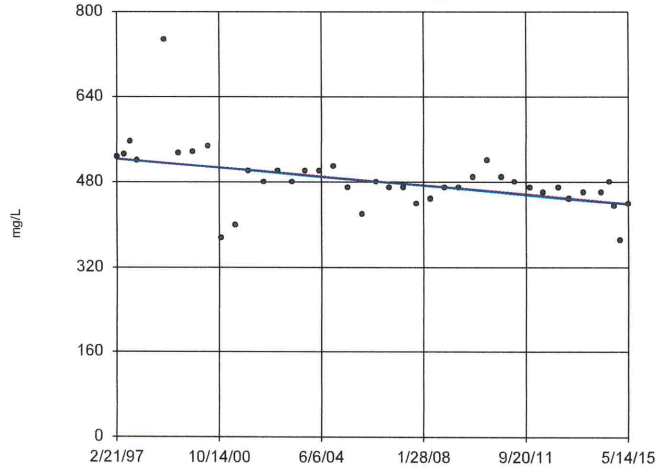
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

100-SS (bg)



n = 40

Slope = -4.547 units per year.

Mann-Kendall statistic = -362
critical = -201

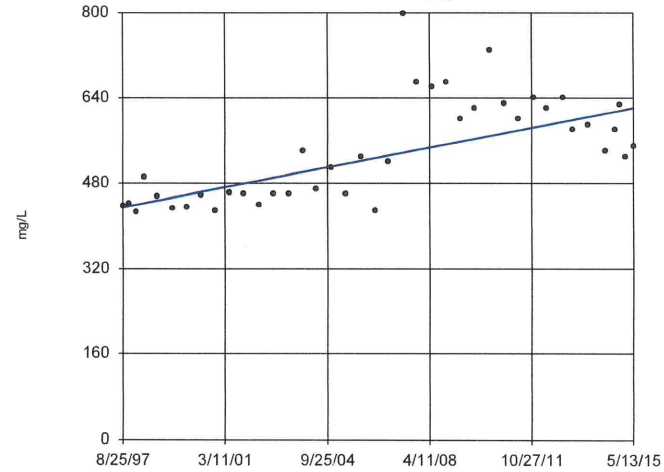
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 10.47 units per year.

Mann-Kendall statistic = 377
critical = 201

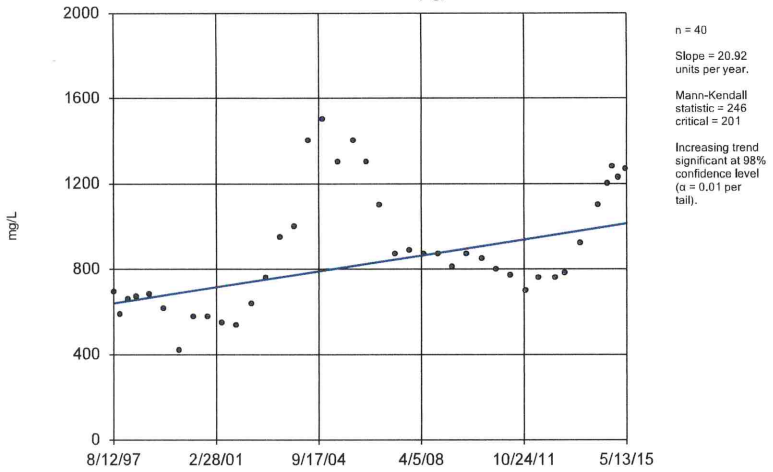
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

115-SS (bg)



n = 40

Slope = 20.92 units per year.

Mann-Kendall statistic = 246 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:06 PM

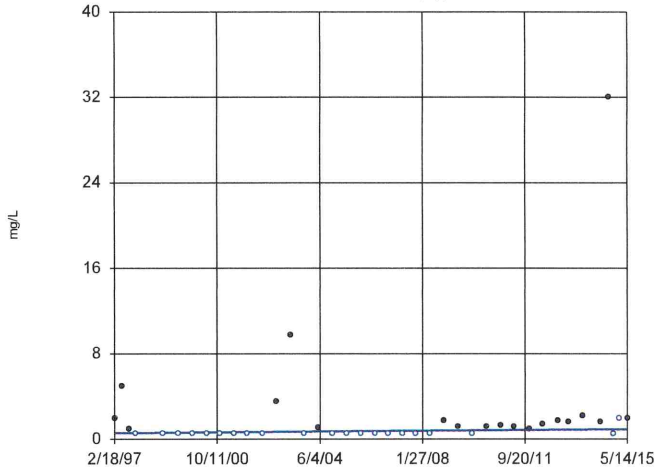
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SS (bg)



n = 40

Slope = 0.02137 units per year.

Mann-Kendall statistic = 213 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 1:06 PM

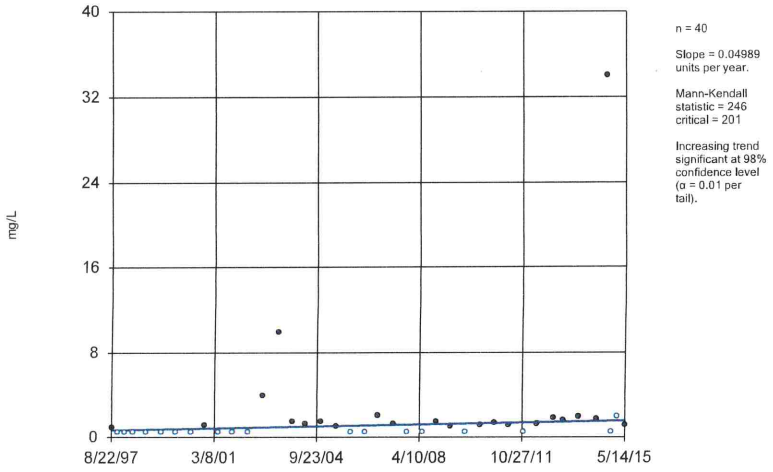
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = 0.04989 units per year.

Mann-Kendall statistic = 246 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 1:06 PM

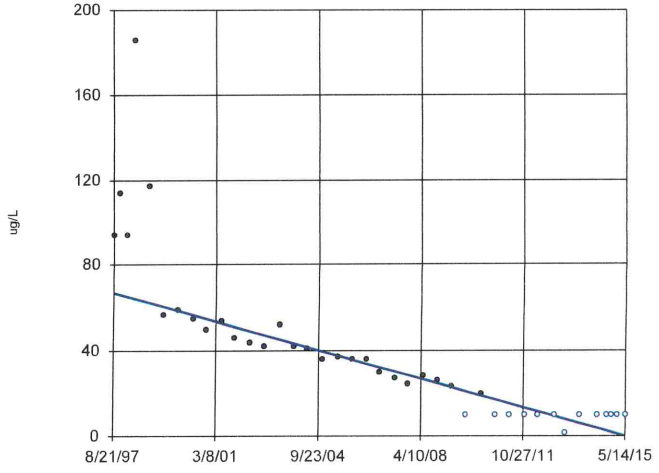
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = -3.762 units per year.

Mann-Kendall statistic = -661 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

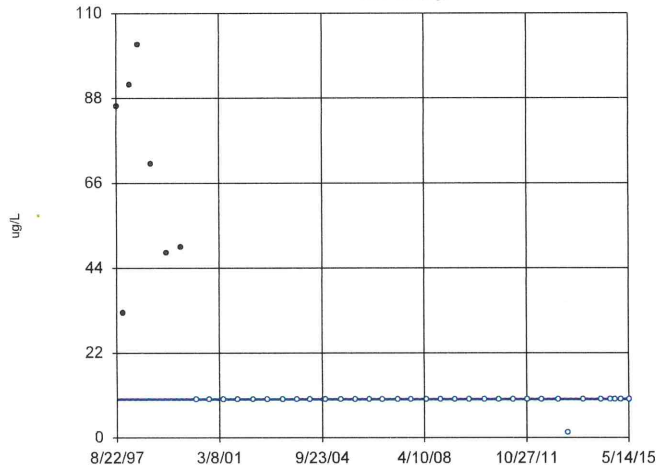
Constituent: Zinc Total Analysis Run 1/7/2016 1:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

205-SS (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -254
critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Zinc Total Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

INTRA-WELL PREDICTION LIMITS

Background data were evaluated for increasing statistical trends (or either increasing or decreasing trends for field pH). In those cases where the background data were determined to exhibit a statistical trend, typically the most recent background data were excluded until the data no longer exhibited a statistical trend. For each of the constituent-well pairs listed below, the specified modified background data period was utilized in the determination of the intra-well prediction limit.

St. Louis Formation Zone

- Arsenic (Total) at PZ-115-SS (8/97 through 2/15)
- Barium (Total) at PZ-104-SS (2/97 through 9/14)
- Barium (Total) at PZ-105-SS (8/97 through 11/02)
- Barium (Total) at PZ-110-SS (2/97 through 5/07)
- Barium (Total) at PZ-115-SS (8/97 through 10/13)
- Barium (Total) at PZ-205-SS (8/97 through 2/15)
- Boron (Total) at PZ-100-SS (2/97 through 5/12)
- Boron (Total) at PZ-104-SS (2/97 through 5/06)
- Boron (Total) at PZ-115-SS (8/97 through 5/14)
- Calcium (Total) at PZ-105-SS (8/97 through 11/01)
- Calcium (Total) at PZ-106-SS (2/97 through 11/11)
- Calcium (Total) at PZ-110-SS (2/97 through 11/06)
- Calcium (Total) at PZ-115-SS (8/97 through 5/14)
- Calcium (Total) at PZ-201A-SS (2/97 through 5/07)
- Calcium (Total) at PZ-205-SS (8/97 through 11/09)
- Chloride at PZ-104-SS (2/97 through 11/12)
- Chloride at PZ-105-SS (8/97 through 11/99)
- Chloride at PZ-106-SS (2/97 through 11/10)
- Chloride at PZ-110-SS (2/97 through 11/10)
- Chloride at PZ-115-SS (8/97 through 9/14)
- Chloride at PZ-201A-SS (2/97 through 5/08)
- Chloride at PZ-205-SS (8/97 through 5/12)
- Fluoride at PZ-109-SS (8/97 through 9/14)
- Hardness (Total) at PZ-105-SS (8/97 through 5/04)
- Hardness (Total) at PZ-106-SS (2/97 through 11/11)
- Hardness (Total) at PZ-110-SS (2/97 through 11/06)
- Hardness (Total) at PZ-115-SS (8/97 through 10/13)
- Hardness (Total) at PZ-201A-SS (2/97 through 5/07)
- Hardness (Total) at PZ-205-SS (8/97 through 11/07)
- Iron (Total) at PZ-106-SS (2/97 through 5/09)
- Iron (Total) at PZ-115-SS (8/97 through 5/08)
- Magnesium (Total) at PZ-104-SS (2/97 through 5/12)
- Magnesium (Total) at PZ-105-SS (8/97 through 11/01)
- Magnesium (Total) at PZ-106-SS (2/97 through 5/09)
- Magnesium (Total) at PZ-110-SS (2/97 through 5/05)
- Magnesium (Total) at PZ-115-SS (8/97 through 9/14)
- Magnesium (Total) at PZ-201A-SS (2/97 through 11/02)
- Magnesium (Total) at PZ-205-SS (8/97 through 11/04)
- Manganese (Total) at PZ-110-SS (2/97 through 5/03)
- Manganese (Total) at PZ-115-SS (8/97 through 5/02)
- Nickel (Total) at PZ-115-SS (8/97 through 9/14)

- Nitrate + Nitrite as N at PZ-201A-SS (2/97 through 11/09)
- pH (Field) at PZ-104-SS (2/97 through 10/13)
- pH (Field) at PZ-105-SS (8/97 through 5/12)
- pH (Field) at PZ-106-SS (2/97 through 11/11)
- pH (Field) at PZ-110-SS (2/97 through 11/12)
- pH (Field) at PZ-201A-SS (2/97 through 5/11)
- pH (Field) at PZ-205-SS (8/97 through 5/12)
- Phosphorous (Total) at PZ-115-SS (8/97 through 11/11)
- Sodium (Total) at PZ-105-SS (8/97 through 11/10)
- Sodium (Total) at PZ-106-SS (2/97 through 11/09)
- Sodium (Total) at PZ-115-SS (8/97 through 10/13)
- Specific conductance (Field) at PZ-105-SS (8/97 through 5/07)
- Specific conductance (Field) at PZ-110-SS (2/97 through 11/07)
- Specific conductance (Field) at PZ-115-SS (8/97 through 5/14)
- Sulfate at SO_4 at PZ-105-SS (11/97 through 11/00)
- Sulfate at SO_4 at PZ-201A-SS (2/97 through 11/14)
- Total dissolved solids at PZ-105-SS (8/97 through 5/06)
- Total dissolved solids at PZ-115-SS (8/97 through 9/14)
- Total organic carbon at PZ-106-SS (2/97 through 2/15)
- Total organic carbon at PZ-205-SS (8/97 through 4/13)

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Ammonia as N (mg/L)	100-SS	0.80	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	92.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Ammonia as N (mg/L)	104-SS	0.47	n/a	8/30/2017	0.05ND	No	40	n/a	n/a	80	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Ammonia as N (mg/L)	109-SS	0.31	n/a	8/30/2017	0.05ND	No	40	n/a	n/a	87.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Ammonia as N (mg/L)	105-SS	0.14	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	85	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Ammonia as N (mg/L)	106-SS	0.80	n/a	8/29/2017	0.21	No	40	n/a	n/a	67.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Ammonia as N (mg/L)	**115-SS**	**0.34**	**n/a**	**8/29/2017**	**1.2**	**Yes**	**40**	**n/a**	**n/a**	**67.5**	**n/a**	**n/a**	**0.001152**	**NP Intra (NDs) 1 of 2**
Ammonia as N (mg/L)	201A-SS	0.32	n/a	8/30/2017	0.05ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Ammonia as N (mg/L)	205-SS	0.34	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	100-SS	770	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	104-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	109-SS	1800	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	105-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	106-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	115-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	201A-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	205-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	100-SS	3000	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	104-SS	11	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	92.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	109-SS	5800	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	105-SS	3.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	106-SS	11	n/a	8/29/2017	5.7	No	40	n/a	n/a	55	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	201A-SS	6.5	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	87.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	205-SS	5.2	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Barium Total (ug/L)	100-SS	80	n/a	8/29/2017	66.1	No	40	319653	75641	0	None	x^3	0.00009683	Param Intra 1 of 2
Barium Total (ug/L)	109-SS	76	n/a	8/30/2017	59.4	No	40	4156	605.3	0	None	x^2	0.00009683	Param Intra 1 of 2
Barium Total (ug/L)	**106-SS**	**170**	**n/a**	**8/29/2017**	**183**	**Yes**	**39**	**5.223**	**0.1277**	**0**	**None**	**x^(1/3)**	**0.00009683**	**Param Intra 1 of 2**
Barium Total (ug/L)	201A-SS	150	n/a	8/30/2017	133	No	39	111.8	14.77	0	None	No	0.00009683	Param Intra 1 of 2
Beryllium Total (ug/L)	100-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	104-SS	2.0	n/a	8/30/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	109-SS	2.0	n/a	8/30/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	105-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	106-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	115-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	201A-SS	2.0	n/a	8/30/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	205-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	109-SS	330	n/a	8/30/2017	183	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Boron Total (ug/L)	105-SS	100	n/a	8/29/2017	50ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	106-SS	100	n/a	8/29/2017	50ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	201A-SS	100	n/a	8/30/2017	50ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	205-SS	280	n/a	8/29/2017	50ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	100-SS	2.5	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	104-SS	0.20	n/a	8/30/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	109-SS	4.6	n/a	8/30/2017	0.1ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	105-SS	2.5	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	106-SS	2.5	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	115-SS	2.5	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	201A-SS	2.5	n/a	8/30/2017	0.1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	205-SS	5.8	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	87.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Calcium Total (ug/L)	100-SS	110000	n/a	8/29/2017	90900	No	39	11.46	0.04697	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Calcium Total (ug/L)	104-SS	97000	n/a	8/30/2017	83000	No	40	6.8e9	1.0e9	0	None	x^2	0.00009683	Param Intra 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium Total (ug/L)	109-SS	96000	n/a	8/30/2017	91600	No	39	4.0e29	1.4e29	0	None	x^6	0.00009683	Param Intra 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	100-SS	21	n/a	8/29/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	104-SS	96	n/a	8/30/2017	18.8	No	40	n/a	n/a	75	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	109-SS	18	n/a	8/30/2017	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	105-SS	42	n/a	8/29/2017	5ND	No	40	n/a	n/a	75	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	106-SS	66	n/a	8/29/2017	21	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	115-SS	180	n/a	8/29/2017	33.2	No	40	n/a	n/a	30	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	201A-SS	27	n/a	8/30/2017	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	205-SS	52	n/a	8/29/2017	5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chloride (mg/L)	100-SS	12	n/a	8/29/2017	4.8	No	40	1.706	0.3034	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Chloride (mg/L)	109-SS	17	n/a	8/30/2017	4	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chromium Total (ug/L)	100-SS	21	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	104-SS	6.6	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	109-SS	14	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	105-SS	6.4	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	106-SS	8.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	115-SS	5.5	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	201A-SS	7.5	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	92.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	205-SS	52	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	85	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	100-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	104-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	109-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	105-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	106-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	115-SS	62	n/a	8/29/2017	27.2	No	40	n/a	n/a	42.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Cobalt Total (ug/L)	201A-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	205-SS	10	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	100-SS	20	n/a	8/29/2017	5.1	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	104-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	109-SS	31	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	105-SS	10	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	106-SS	10	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	115-SS	21	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	201A-SS	10	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	205-SS	46	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	100-SS	0.94	n/a	8/29/2017	0.59	No	25	0.3625	0.1685	0	None	x^3	0.00009683	Param Intra 1 of 2
Fluoride (mg/L)	104-SS	0.97	n/a	8/30/2017	0.74	No	24	0.4327	0.1674	0	None	x^3	0.00009683	Param Intra 1 of 2
Fluoride (mg/L)	105-SS	1.1	n/a	8/29/2017	0.57	No	26	0.6903	0.1403	0	None	No	0.00009683	Param Intra 1 of 2
Fluoride (mg/L)	106-SS	2.4	n/a	8/29/2017	1.8	No	26	0.6576	0.08543	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Fluoride (mg/L)	115-SS	2.7	n/a	8/29/2017	0.54	No	26	0.9509	0.1594	0	None	x^(1/3)	0.00009683	Param Intra 1 of 2
Fluoride (mg/L)	201A-SS	0.65	n/a	8/30/2017	0.45	No	25	0.4567	0.06897	0	None	No	0.00009683	Param Intra 1 of 2
Fluoride (mg/L)	205-SS	0.6	n/a	8/29/2017	0.4	No	25	-0.909	0.1421	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Hardness Total (mg/L)	100-SS	510	n/a	8/29/2017	438	No	39	2.0e13	5.2e12	0	None	x^5	0.00009683	Param Intra 1 of 2
Hardness Total (mg/L)	104-SS	460	n/a	8/30/2017	409	No	39	2.7e10	7.1e9	0	None	x^4	0.00009683	Param Intra 1 of 2
Hardness Total (mg/L)	109-SS	740	n/a	8/30/2017	445	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Iron Total (ug/L)	100-SS	2000	n/a	8/29/2017	25ND	No	40	n/a	n/a	25	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Iron Total (ug/L)	104-SS	8500	n/a	8/30/2017	161	No	40	10.96	3.646	0	None	x^(1/3)	0.00009683	Param Intra 1 of 2
Iron Total (ug/L)	109-SS	5200	n/a	8/30/2017	25ND	No	40	5.028	1.361	5	None	ln(x)	0.00009683	Param Intra 1 of 2
Iron Total (ug/L)	105-SS	12000	n/a	8/29/2017	2450	No	40	7.052	0.9184	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Iron Total (ug/L)	201A-SS	5700	n/a	8/30/2017	87.2	No	40	5.9	1.058	0	None	ln(x)	0.00009683	Param Intra 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Iron Total (ug/L)	205-SS	5300	n/a	8/29/2017	294	No	40	6.53	0.7894	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Lead Total (ug/L)	100-SS	2700	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	104-SS	25	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	109-SS	3400	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	105-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	106-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	115-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	201A-SS	25	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	205-SS	89	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	87.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Magnesium Total (ug/L)	100-SS	60000	n/a	8/29/2017	51300	No	40	1.5e14	2.5e13	0	None	x^3	0.00009683	Param Intra 1 of 2
Magnesium Total (ug/L)	109-SS	57000	n/a	8/30/2017	52500	No	39	2.0e28	5.9e27	0	None	x^6	0.00009683	Param Intra 1 of 2
Manganese Total (ug/L)	100-SS	75	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	57.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Manganese Total (ug/L)	104-SS	100	n/a	8/30/2017	24.2	No	39	5.486	1.746	2.564	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Manganese Total (ug/L)	109-SS	120	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	42.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Manganese Total (ug/L)	**105-SS**	**67**	**n/a**	**8/29/2017**	**82**	**Yes**	**39**	**2.59**	**0.5683**	**2.564**	**None**	**x^(1/3)**	**0.00009683**	**Param Intra 1 of 2**
Manganese Total (ug/L)	106-SS	52	n/a	8/29/2017	16	No	38	4.249	1.13	2.632	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Manganese Total (ug/L)	201A-SS	1100	n/a	8/30/2017	9.1	No	40	4.69	0.8887	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Manganese Total (ug/L)	205-SS	100	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	30	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Mercury Total (ug/L)	100-SS	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	104-SS	0.30	n/a	8/30/2017	0.1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	109-SS	0.20	n/a	8/30/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	105-SS	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	106-SS	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	115-SS	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	201A-SS	0.35	n/a	8/30/2017	0.1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	205-SS	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	100-SS	55	n/a	8/29/2017	10.5	No	40	2.743	0.491	10	None	ln(x)	0.00009683	Param Intra 1 of 2
Nickel Total (ug/L)	104-SS	23	n/a	8/30/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	109-SS	20	n/a	8/30/2017	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	105-SS	20	n/a	8/29/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	106-SS	20	n/a	8/29/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	201A-SS	20	n/a	8/30/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	205-SS	32	n/a	8/29/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	100-SS	0.27	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	75	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	104-SS	0.39	n/a	8/30/2017	0.05ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	109-SS	0.50	n/a	8/30/2017	0.05ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	105-SS	0.12	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	106-SS	0.54	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	92.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	115-SS	5.0	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	205-SS	0.15	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
pH [Field] (su)	100-SS	8.0	6.6	8/29/2017	7.01	No	40	n/a	n/a	0	n/a	n/a	0.002305	NP Intra (normality) 1 of 2
pH [Field] (su)	109-SS	8	6.5	8/30/2017	6.99	No	39	1.973	0.04155	0	None	ln(x)	0.00004842	Param Intra 1 of 2
pH [Field] (su)	115-SS	7.6	6.1	8/29/2017	6.57	No	39	1.911	0.04272	0	None	ln(x)	0.00004842	Param Intra 1 of 2
Phosphorus Total (mg/L)	100-SS	0.21	n/a	8/29/2017	0.025ND	No	40	n/a	n/a	70	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Phosphorus Total (mg/L)	104-SS	0.46	n/a	8/30/2017	0.025ND	No	40	n/a	n/a	60	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Phosphorus Total (mg/L)	109-SS	0.25	n/a	8/30/2017	0.025ND	No	40	n/a	n/a	72.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Phosphorus Total (mg/L)	105-SS	0.22	n/a	8/29/2017	0.025ND	No	40	n/a	n/a	50	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Phosphorus Total (mg/L)	106-SS	0.38	n/a	8/29/2017	0.025ND	No	40	n/a	n/a	72.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Phosphorus Total (mg/L)	201A-SS	0.37	n/a	8/30/2017	0.025ND	No	40	n/a	n/a	70	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Phosphorus Total (mg/L)	205-SS	0.11	n/a	8/29/2017	0.025ND	No	40	n/a	n/a	70	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium Total (ug/L)	100-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	104-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	109-SS	39	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	80	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	105-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	106-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	115-SS	50	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	201A-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	205-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	100-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	104-SS	5.0	n/a	8/30/2017	2.5ND	No	39	n/a	n/a	100	n/a	n/a	0.001219	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	109-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	105-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	106-SS	5.0	n/a	8/29/2017	2.5ND	No	38	n/a	n/a	100	n/a	n/a	0.001286	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	115-SS	5.9	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	201A-SS	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	205-SS	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Sodium Total (ug/L)	100-SS	39000	n/a	8/29/2017	10000	No	40	9.808	0.295	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Sodium Total (ug/L)	104-SS	27000	n/a	8/30/2017	14400	No	39	9.617	0.2257	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Sodium Total (ug/L)	109-SS	49000	n/a	8/30/2017	9860	No	39	9.978	0.3165	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Sodium Total (ug/L)	201A-SS	65000	n/a	8/30/2017	10100	No	40	30.24	3.85	0	None	x^(1/3)	0.00009683	Param Intra 1 of 2
Sodium Total (ug/L)	205-SS	56000	n/a	8/29/2017	15600	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Specific Conductance [Field] (umhos/cm)	100-SS	1000	n/a	8/29/2017	772	No	39	6.746	0.06655	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	104-SS	930	n/a	8/30/2017	803	No	39	4.6e8	1.3e8	0	None	x^3	0.00009683	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	109-SS	990	n/a	8/30/2017	770	No	37	824	63.94	0	None	No	0.00009683	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	**106-SS**	**950**	**n/a**	**8/29/2017**	**1026**	**Yes**	**39**	**4.6e11**	**1.3e11**	**0**	**None**	**x^4**	**0.00009683**	**Param Intra 1 of 2**
Specific Conductance [Field] (umhos/cm)	201A-SS	970	n/a	8/30/2017	766	No	39	660296	108124	0	None	x^2	0.00009683	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	205-SS	1300	n/a	8/29/2017	898	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Sulfate (mg/L)	100-SS	91	n/a	8/29/2017	33.8	No	40	4.009	0.1952	2.5	None	ln(x)	0.00009683	Param Intra 1 of 2
Sulfate (mg/L)	104-SS	45	n/a	8/30/2017	19.6	No	40	21.19	9.203	2.5	None	No	0.00009683	Param Intra 1 of 2
Sulfate (mg/L)	109-SS	89	n/a	8/30/2017	22.3	No	40	3.71	0.2988	2.5	None	ln(x)	0.00009683	Param Intra 1 of 2
Sulfate (mg/L)	106-SS	66	n/a	8/29/2017	45	No	40	3.901	0.1104	2.5	None	ln(x)	0.00009683	Param Intra 1 of 2
Sulfate (mg/L)	115-SS	70	n/a	8/29/2017	4	No	40	4.715	1.41	0	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Sulfate (mg/L)	205-SS	73	n/a	8/29/2017	50.8	No	39	50.72	8.593	0	None	No	0.00009683	Param Intra 1 of 2
Thallium Total (ug/L)	100-SS	50	n/a	8/29/2017	1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	104-SS	2.0	n/a	8/30/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	109-SS	2.0	n/a	8/30/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	105-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	106-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	115-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	201A-SS	2.0	n/a	8/30/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	205-SS	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	100-SS	570	n/a	8/29/2017	433	No	39	1.1e8	2.8e7	0	None	x^3	0.00009683	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	104-SS	510	n/a	8/30/2017	417	No	38	6.039	0.07516	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	109-SS	570	n/a	8/30/2017	434	No	40	6.134	0.07956	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**106-SS**	**530**	**n/a**	**8/29/2017**	**581**	**Yes**	**39**	**21.4**	**0.6626**	**0**	**None**	**sqrt(x)**	**0.00009683**	**Param Intra 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	201A-SS	560	n/a	8/30/2017	463	No	39	226671	33845	0	None	x^2	0.00009683	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	205-SS	580	n/a	8/29/2017	506	No	39	6.217	0.05445	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	100-SS	31	n/a	8/29/2017	1.3	No	40	n/a	n/a	72.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Total Organic Carbon [TOC] (mg/L)	104-SS	28	n/a	8/30/2017	2.6	No	40	n/a	n/a	47.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Total Organic Carbon [TOC] (mg/L)	109-SS	31	n/a	8/30/2017	1.3	No	40	n/a	n/a	52.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Organic Carbon [TOC] (mg/L)	105-SS	29	n/a	8/29/2017	3.4	No	40	n/a	n/a	17.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Total Organic Carbon [TOC] (mg/L)	115-SS	55	n/a	8/29/2017	11.4	No	40	1.813	0.7701	22.5	Kaplan-Meier	x^(1/3)	0.00009683	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	201A-SS	33	n/a	8/30/2017	1.2	No	40	n/a	n/a	50	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Vanadium Total (ug/L)	100-SS	10	n/a	8/29/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	104-SS	10	n/a	8/30/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	109-SS	10	n/a	8/30/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	105-SS	10	n/a	8/29/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	106-SS	10	n/a	8/29/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	115-SS	14	n/a	8/29/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	201A-SS	10	n/a	8/30/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	205-SS	110	n/a	8/29/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	100-SS	230	n/a	8/29/2017	10ND	No	40	n/a	n/a	92.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	104-SS	220	n/a	8/30/2017	10ND	No	40	n/a	n/a	85	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	109-SS	190	n/a	8/30/2017	10ND	No	40	n/a	n/a	32.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Zinc Total (ug/L)	105-SS	43	n/a	8/29/2017	10ND	No	40	n/a	n/a	85	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	106-SS	40	n/a	8/29/2017	10ND	No	40	n/a	n/a	92.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	115-SS	68	n/a	8/29/2017	10ND	No	40	n/a	n/a	87.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	201A-SS	180	n/a	8/30/2017	10ND	No	40	n/a	n/a	85	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	205-SS	100	n/a	8/29/2017	10ND	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

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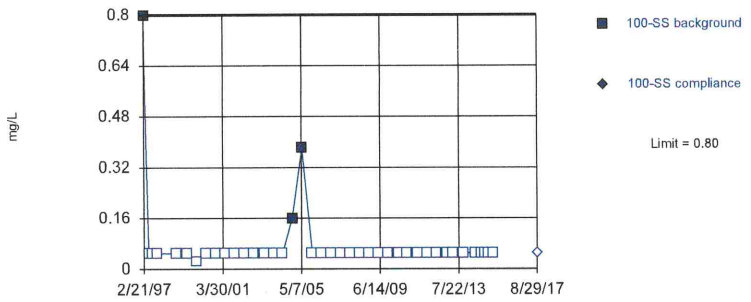
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:18 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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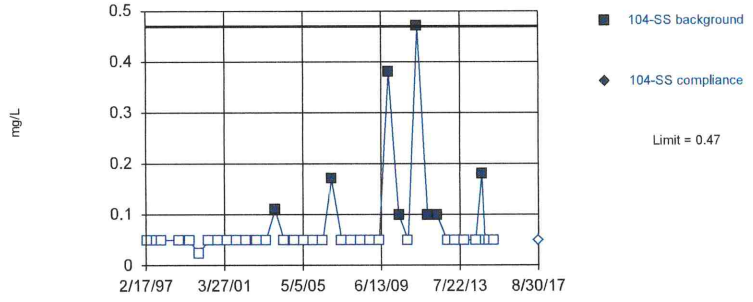
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 80% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:18 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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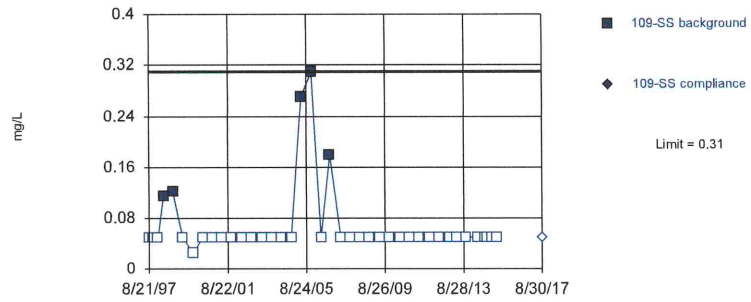
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:18 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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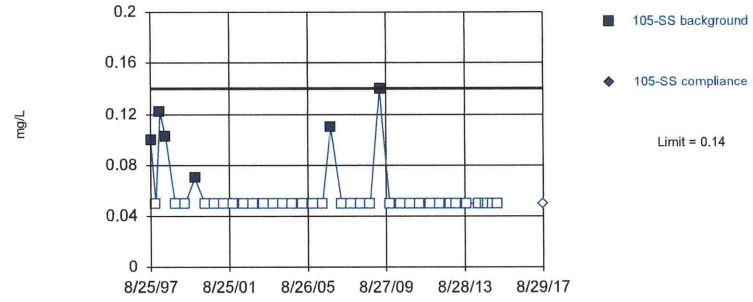
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 85% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:18 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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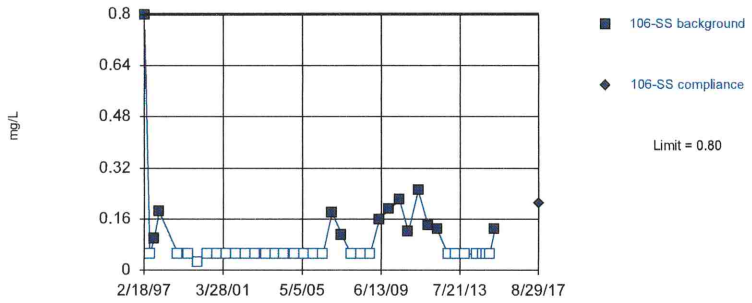
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 67.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:18 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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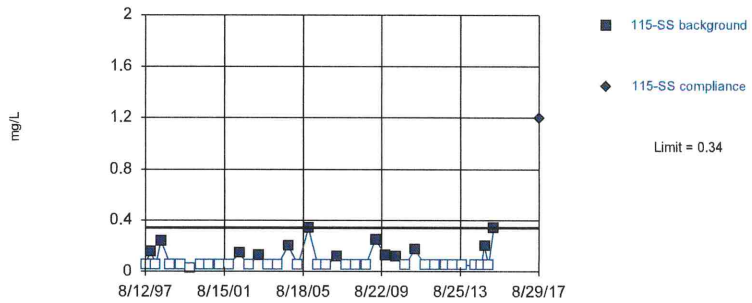
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 67.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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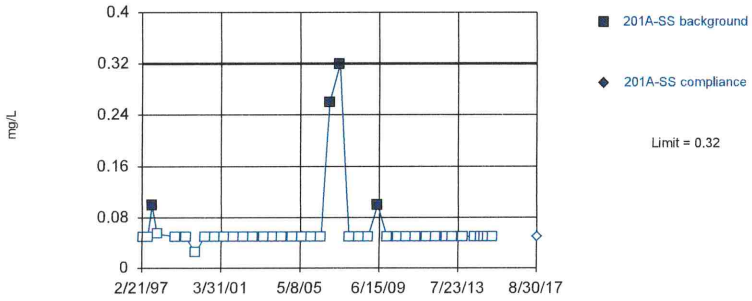
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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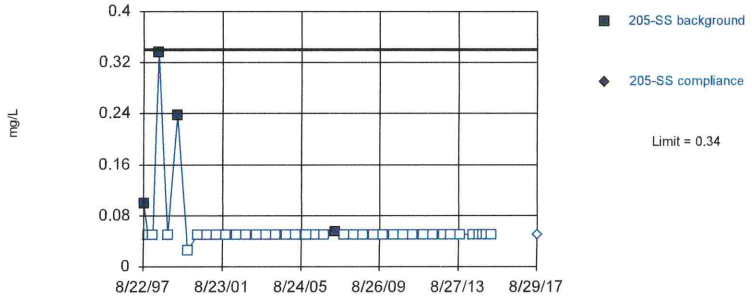
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Ammonia as N Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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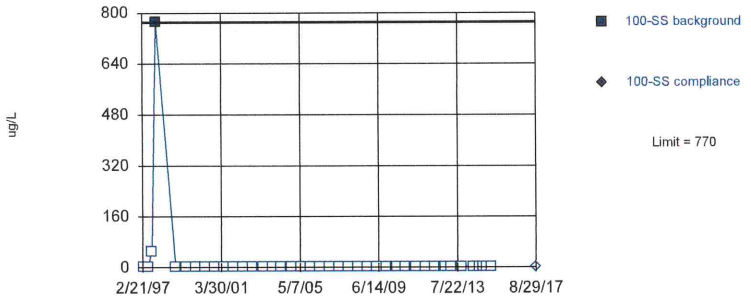
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

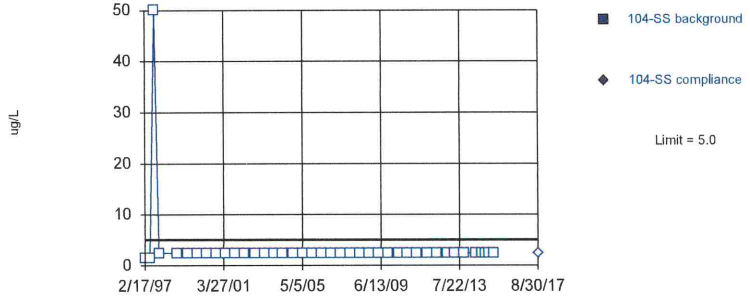
Constituent: Antimony Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

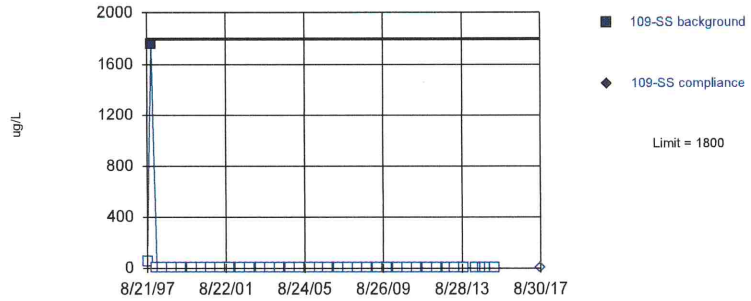
Constituent: Antimony Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

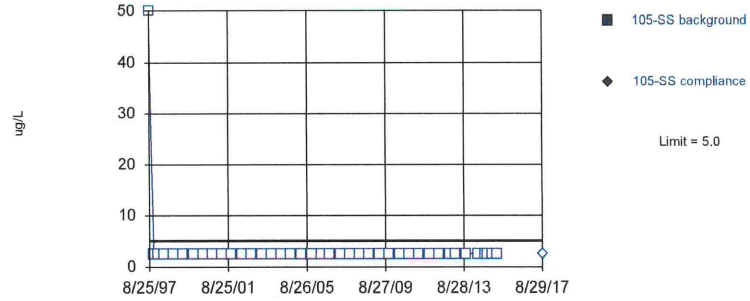
Constituent: Antimony Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

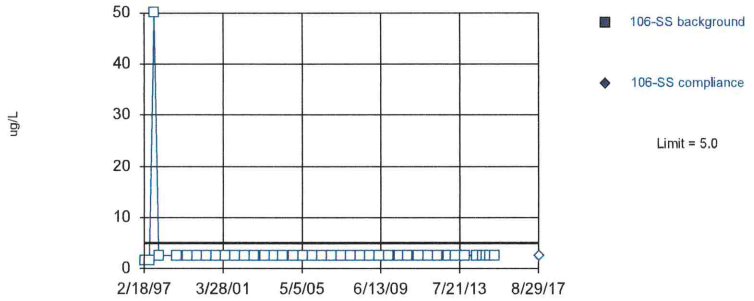
Constituent: Antimony Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Antimony Total Analysis Run 9/20/2017 3:19 PM

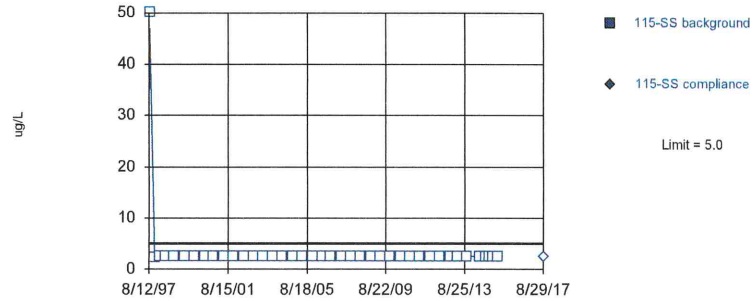
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Antimony Total Analysis Run 9/20/2017 3:19 PM

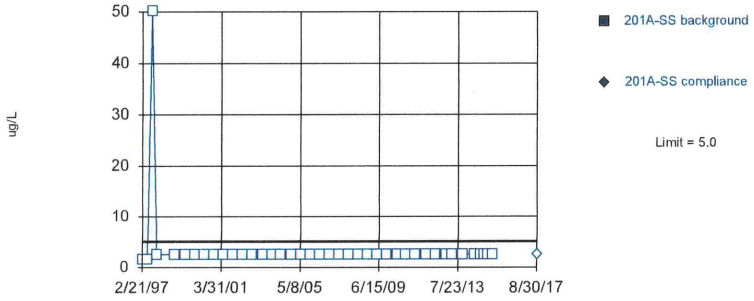
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Antimony Total Analysis Run 9/20/2017 3:19 PM

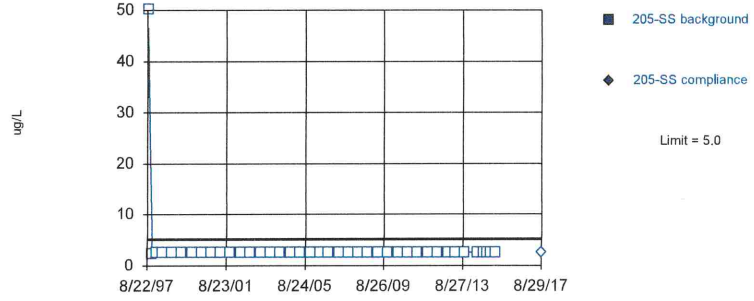
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Antimony Total Analysis Run 9/20/2017 3:19 PM

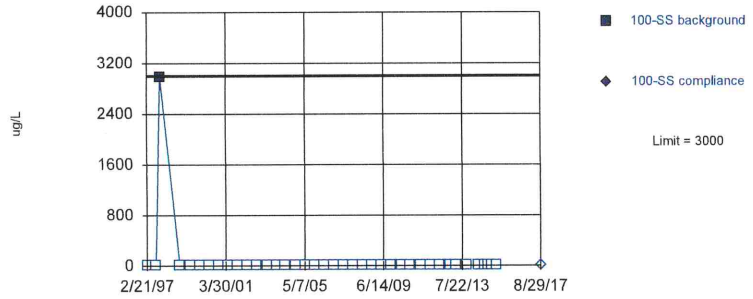
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

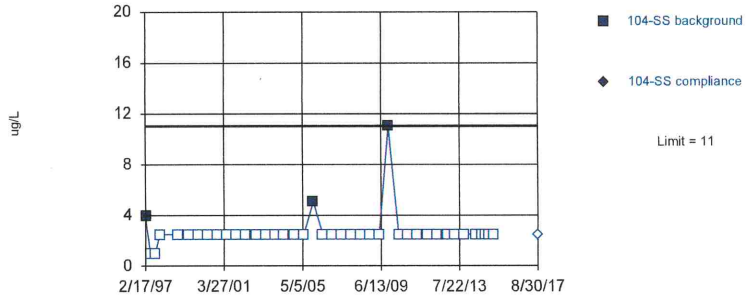
Constituent: Arsenic Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

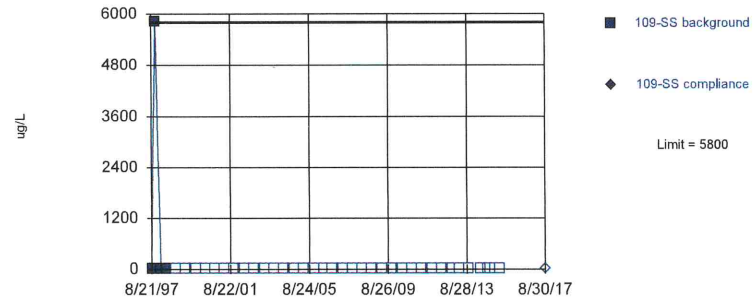
Constituent: Arsenic Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

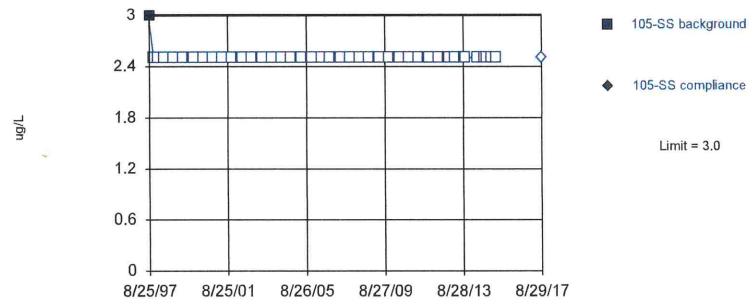
Constituent: Arsenic Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

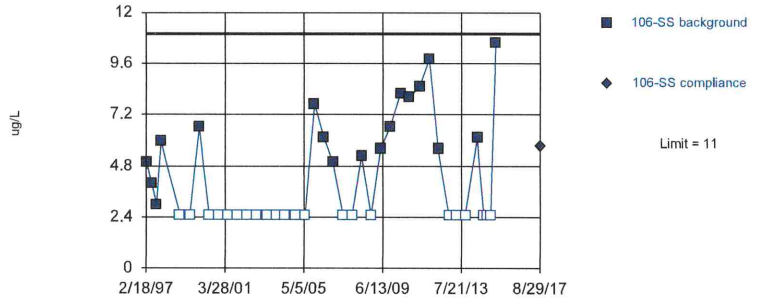
Constituent: Arsenic Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 55% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 3:19 PM

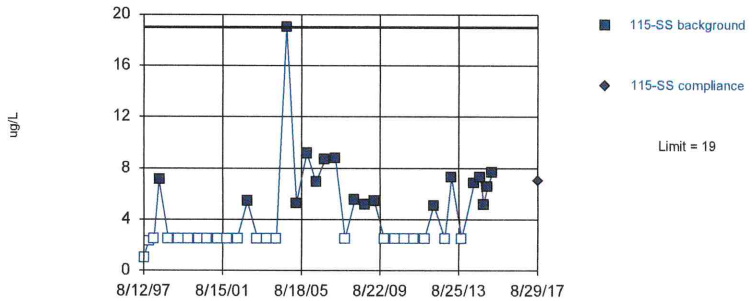
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 55% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 3:19 PM

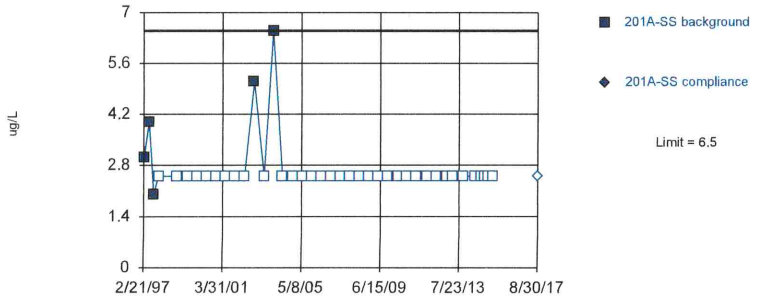
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 3:19 PM

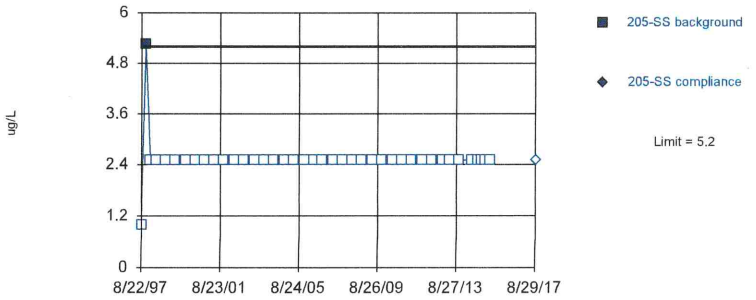
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 3:19 PM

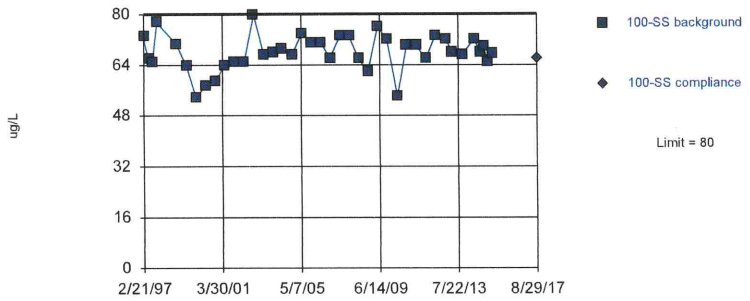
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=319653, Std. Dev.=75641, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9781, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Barium Total Analysis Run 9/20/2017 3:19 PM

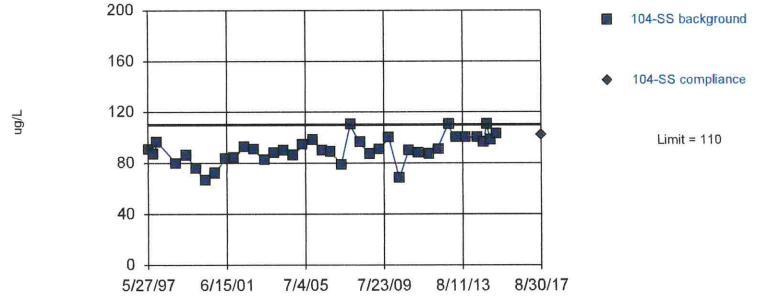
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=8286, Std. Dev.=1849, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9676, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 214 (2/17/1997).

Constituent: Barium Total Analysis Run 9/20/2017 3:19 PM

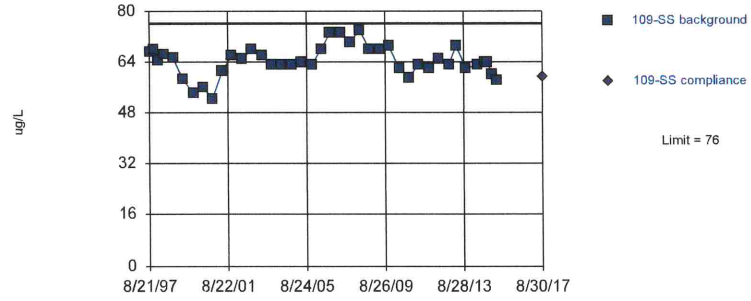
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=4156, Std. Dev.=605.3, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9757, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Barium Total Analysis Run 9/20/2017 3:19 PM

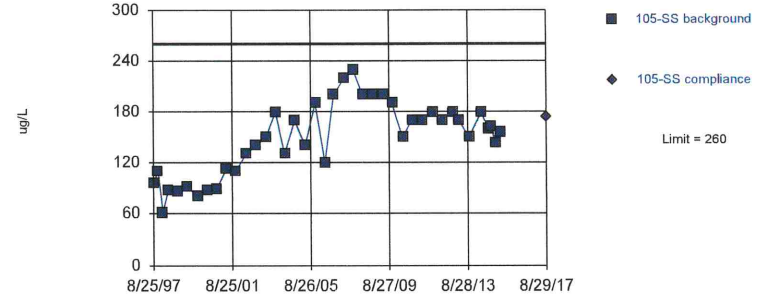
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=148.5, Std. Dev.=42.94, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9578, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Barium Total Analysis Run 9/20/2017 3:19 PM

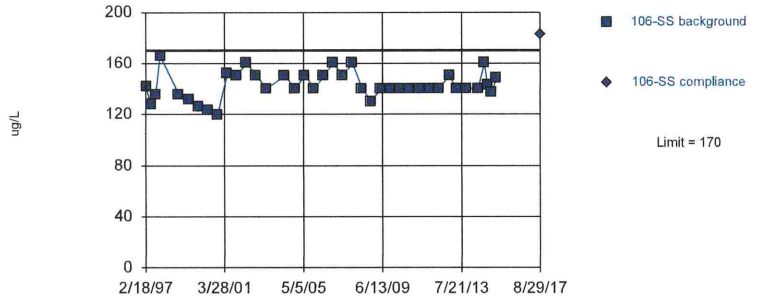
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=5.223, Std. Dev.=0.1277, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9465, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 78 (11/20/2003).

Constituent: Barium Total Analysis Run 9/20/2017 3:19 PM

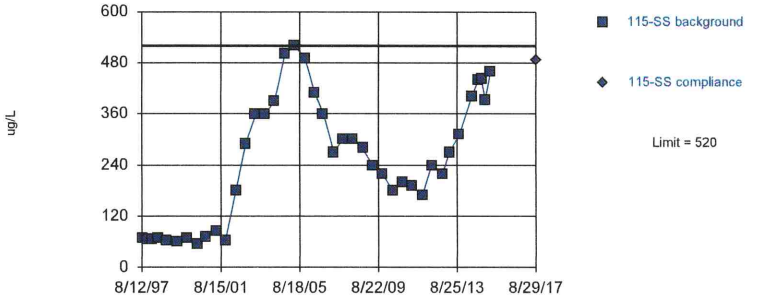
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Barium Total Analysis Run 9/20/2017 3:19 PM

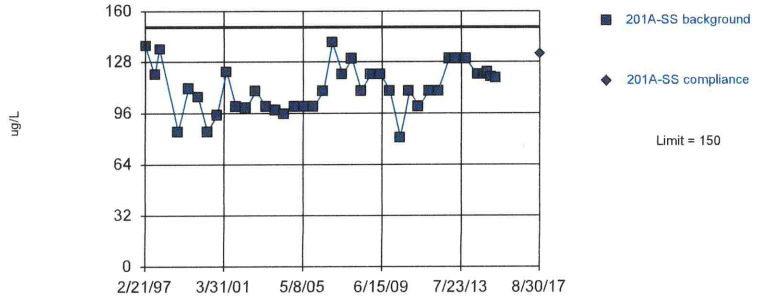
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=111.8. Std. Dev.=14.77, n=39. Normality test: Shapiro Wilk @alpha = 0.01. calculated = 0.9618, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 206 (5/27/1997).

Constituent: Barium Total Analysis Run 9/20/2017 3:19 PM

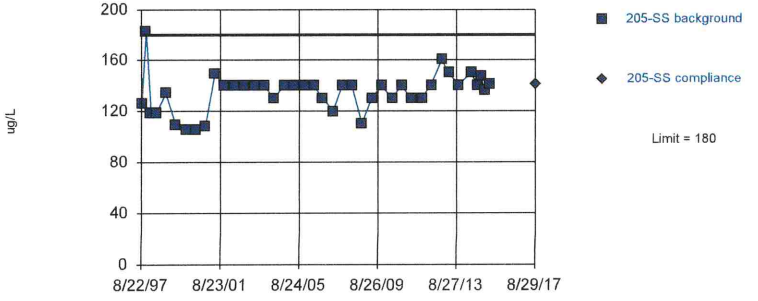
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Barium Total Analysis Run 9/20/2017 3:19 PM

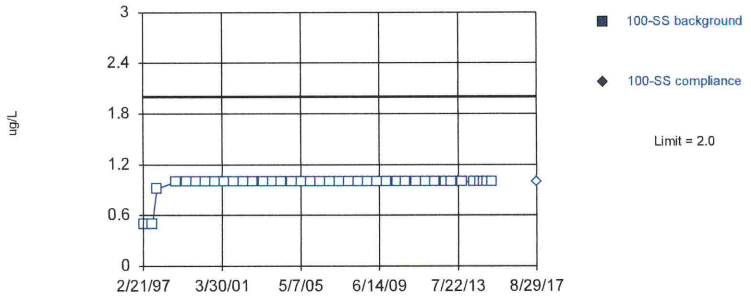
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

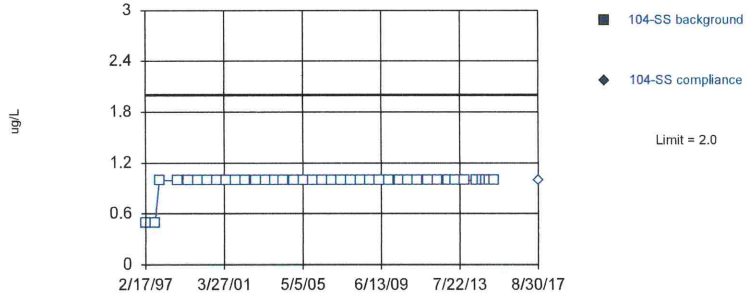
Constituent: Beryllium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

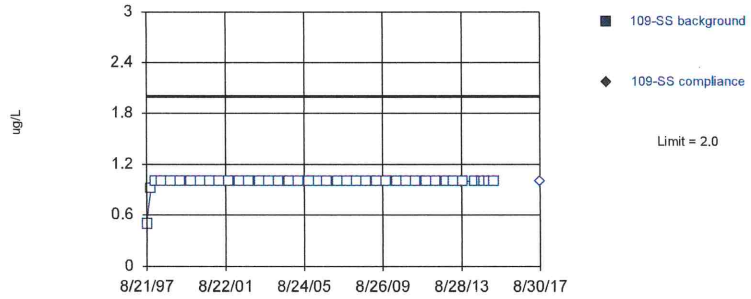
Constituent: Beryllium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

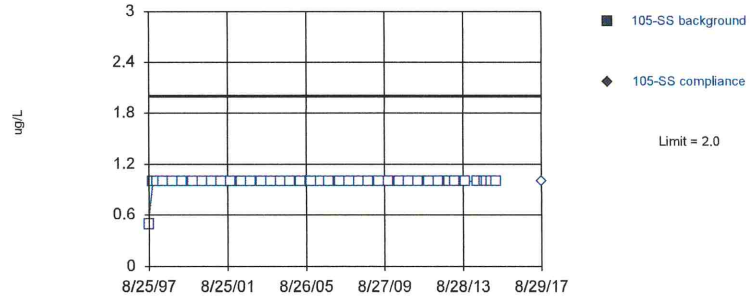
Constituent: Beryllium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

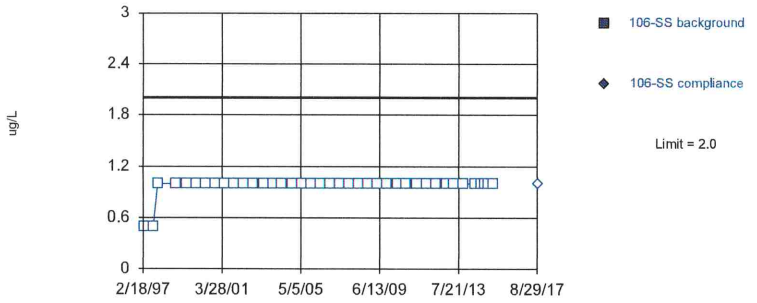
Constituent: Beryllium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

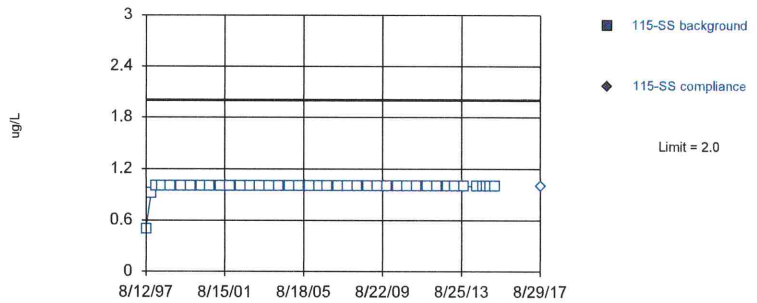
Constituent: Beryllium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

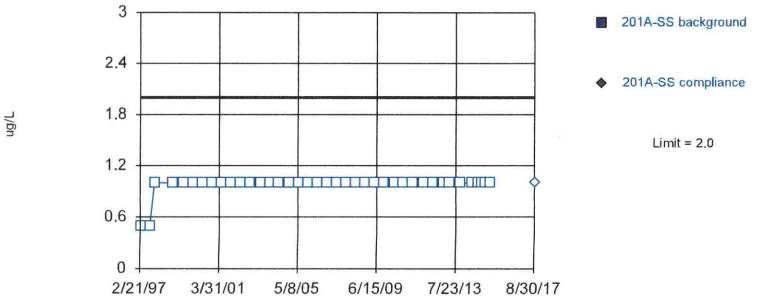
Constituent: Beryllium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

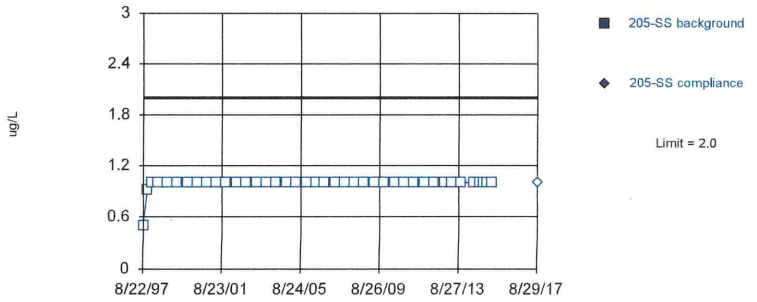
Constituent: Beryllium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

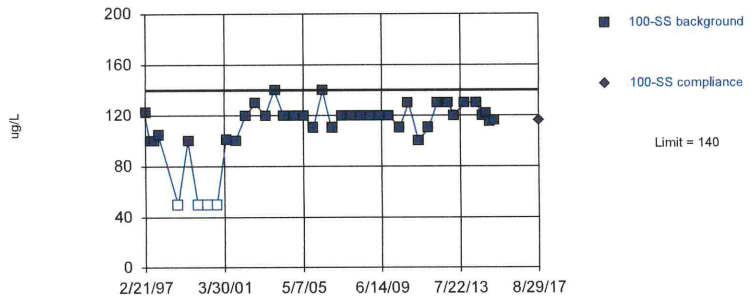
Constituent: Beryllium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=1.8e8, Std. Dev.=9.2e7, n=40, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9305, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. After outlier removal distribution was non-normal, so outlier results were invalidated.

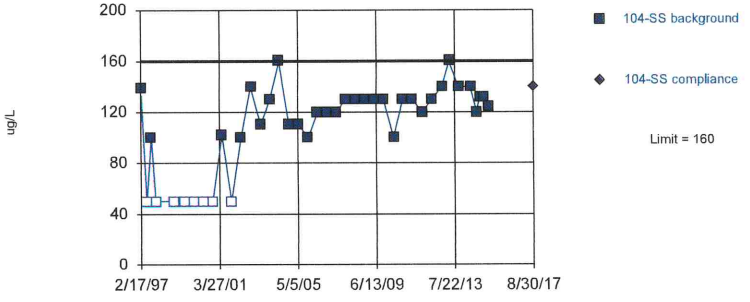
Constituent: Boron Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 20% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

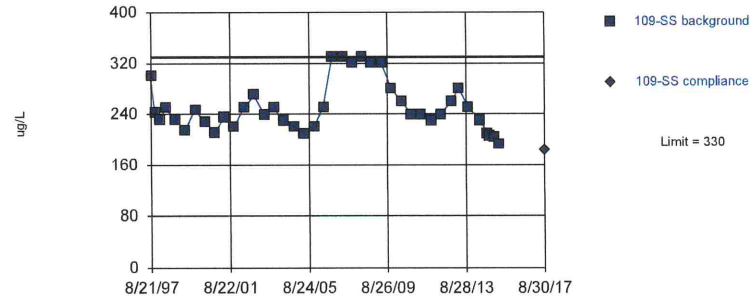
Constituent: Boron Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

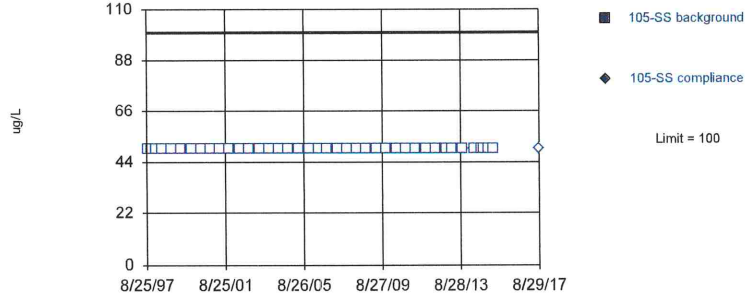
Constituent: Boron Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

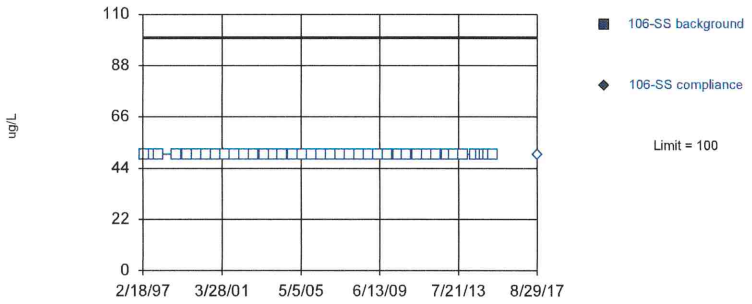
Constituent: Boron Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 9/20/2017 3:19 PM

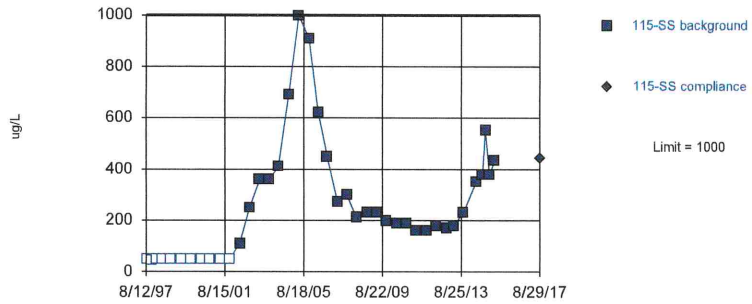
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 27.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 9/20/2017 3:19 PM

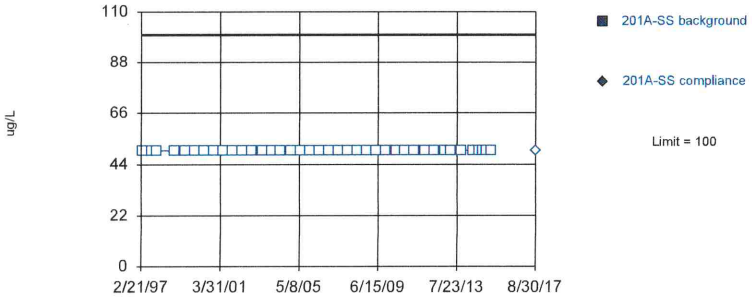
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 9/20/2017 3:19 PM

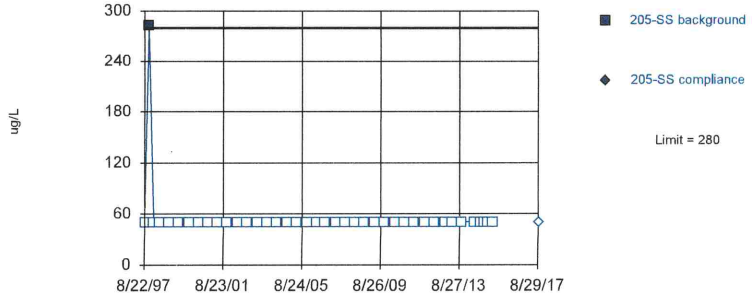
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 9/20/2017 3:19 PM

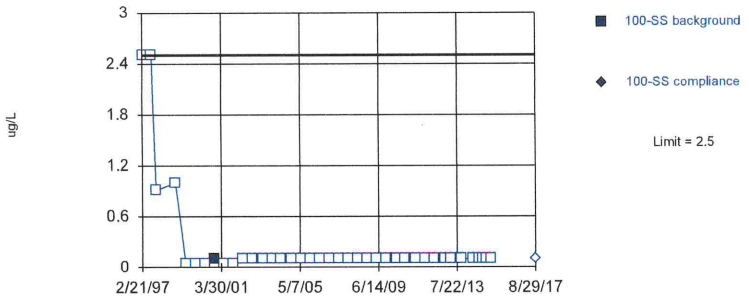
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

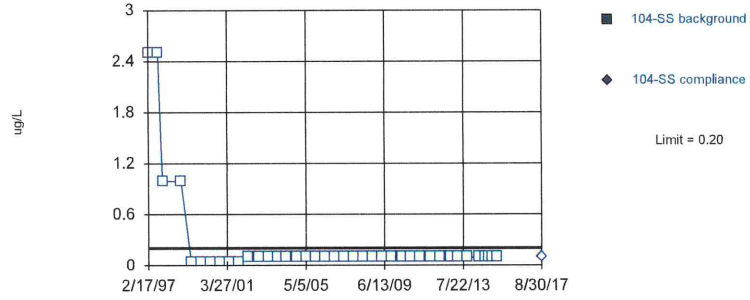
Constituent: Cadmium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

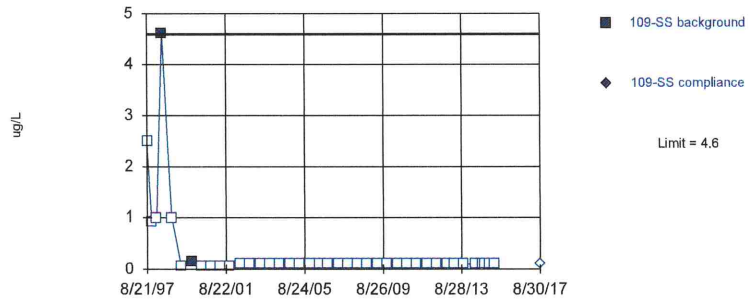
Constituent: Cadmium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

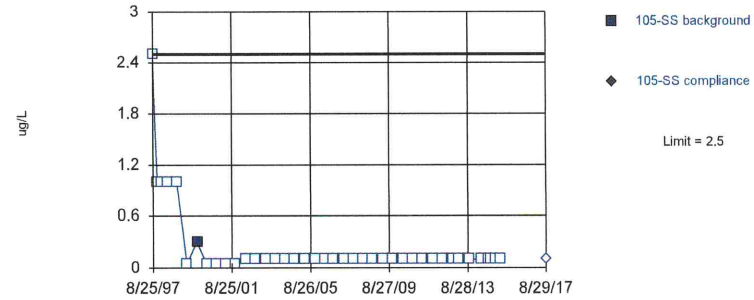
Constituent: Cadmium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

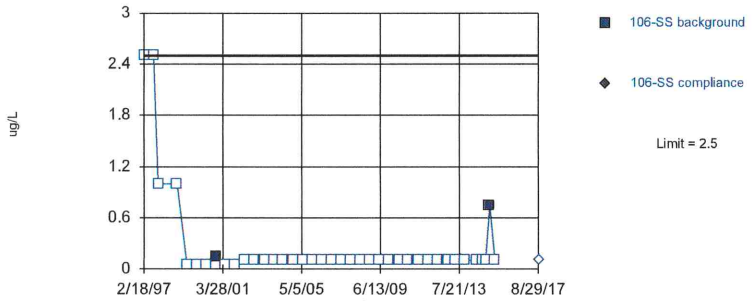
Constituent: Cadmium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cadmium Total Analysis Run 9/20/2017 3:19 PM

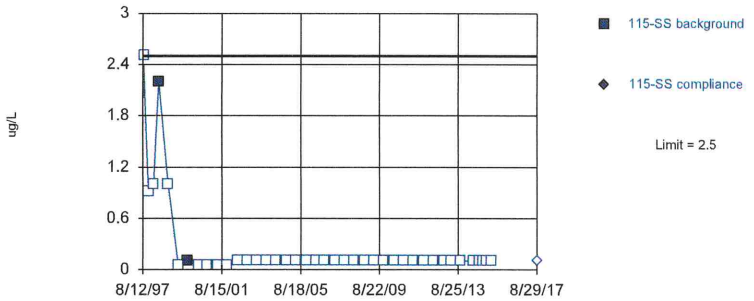
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cadmium Total Analysis Run 9/20/2017 3:19 PM

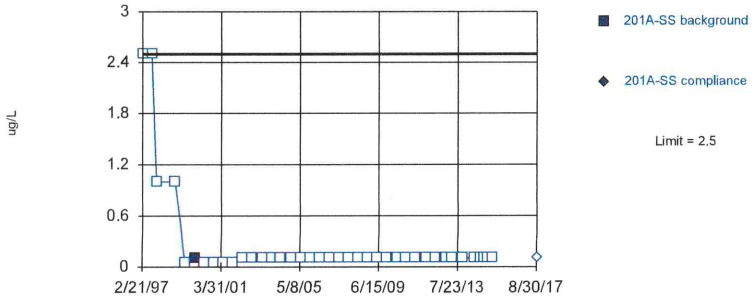
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cadmium Total Analysis Run 9/20/2017 3:19 PM

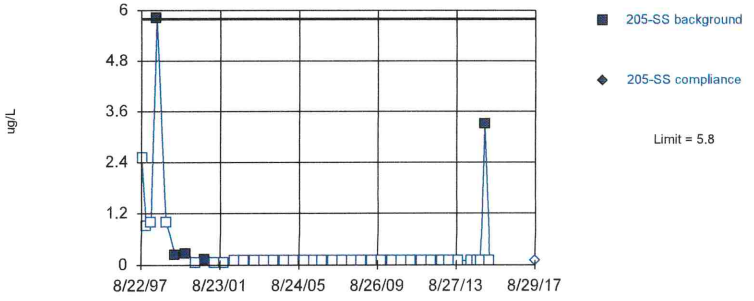
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cadmium Total Analysis Run 9/20/2017 3:19 PM

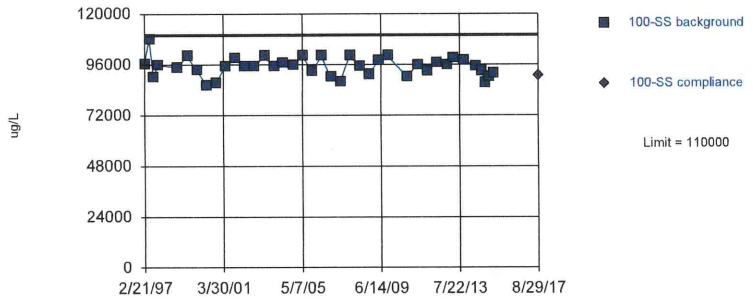
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.46, Std. Dev.=0.04697, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9614, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 76000 (5/19/2010).

Constituent: Calcium Total Analysis Run 9/20/2017 3:19 PM

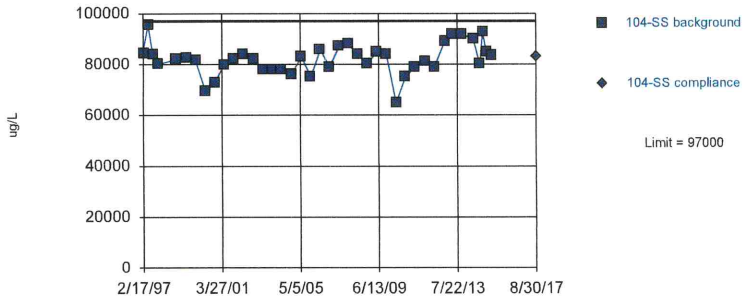
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=6.8e9, Std. Dev.=1.0e9, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9816, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Calcium Total Analysis Run 9/20/2017 3:19 PM

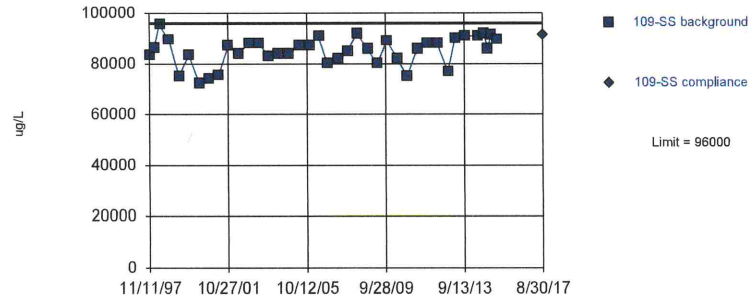
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^6 transformation): Mean=4.0e29, Std. Dev.=1.4e29, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9743, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 174000 (8/21/1997).

Constituent: Calcium Total Analysis Run 9/20/2017 3:19 PM

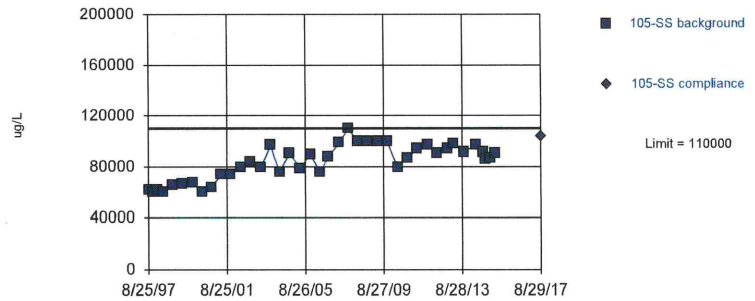
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=6.3e14, Std. Dev.=2.9e14, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9433, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

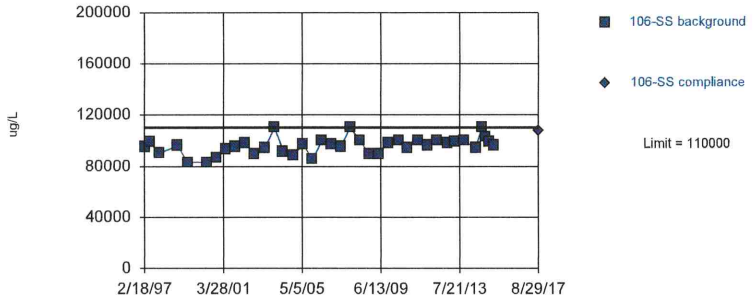
Constituent: Calcium Total Analysis Run 9/20/2017 3:19 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.47, Std. Dev.=0.06606, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.916. Kappa = 2.611 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. Two background outliers were removed: 60000 (8/25/1997); 9000 (11/19/1999).

Constituent: Calcium Total Analysis Run 9/20/2017 3:19 PM

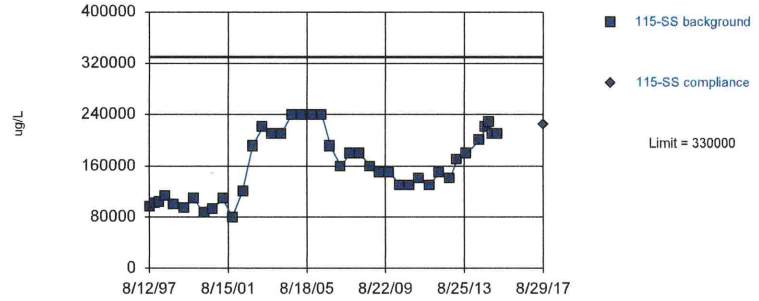
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=53.67, Std. Dev.=5.883, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Calcium Total Analysis Run 9/20/2017 3:19 PM

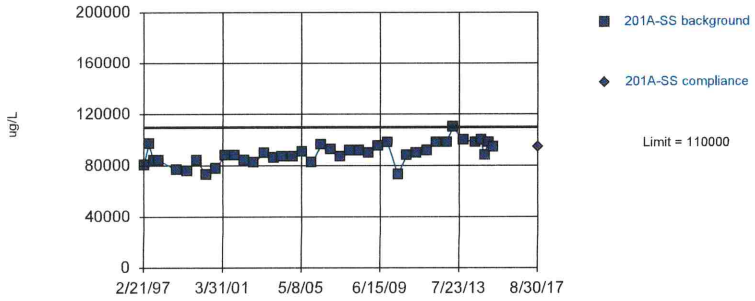
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=89200, Std. Dev.=8121, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9778, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Calcium Total Analysis Run 9/20/2017 3:19 PM

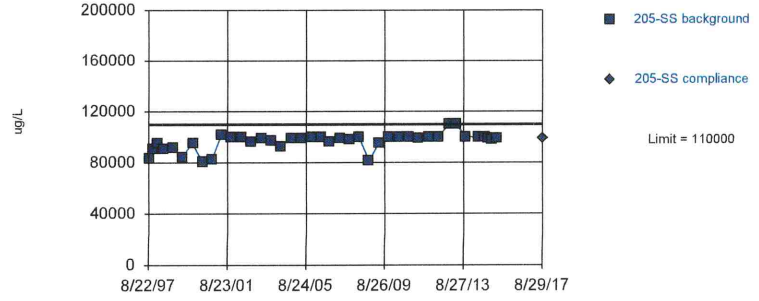
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Calcium Total Analysis Run 9/20/2017 3:19 PM

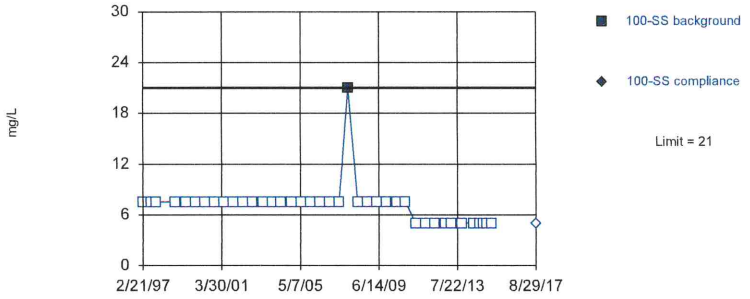
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

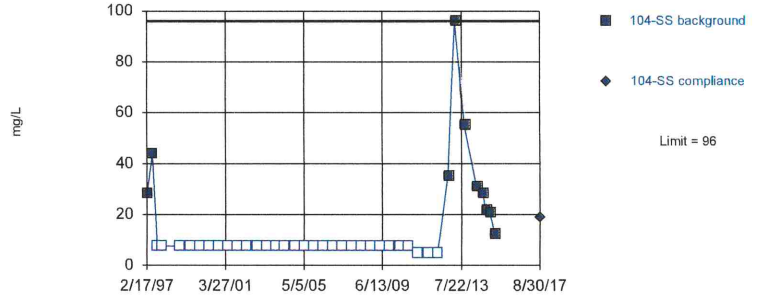
Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 75% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

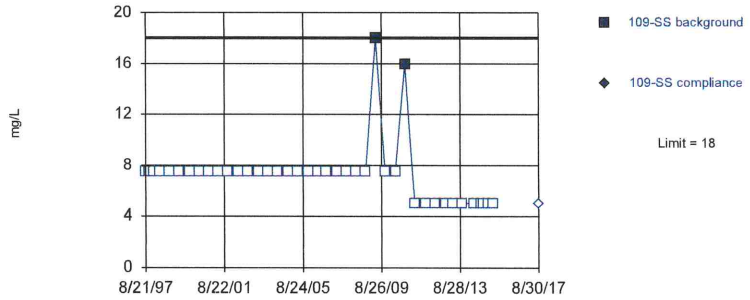
Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

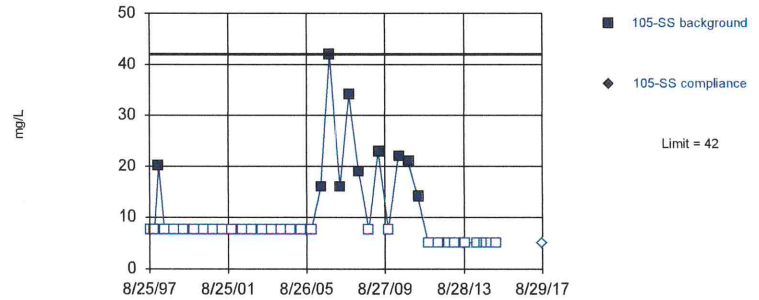
Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 75% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

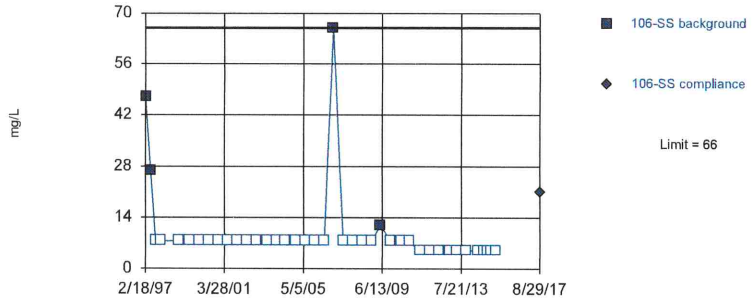
Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 3:19 PM

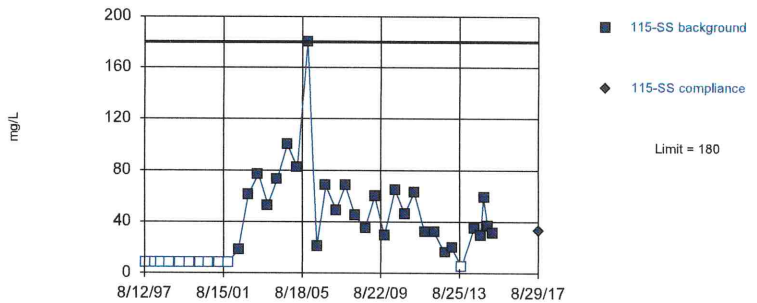
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 30% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 3:19 PM

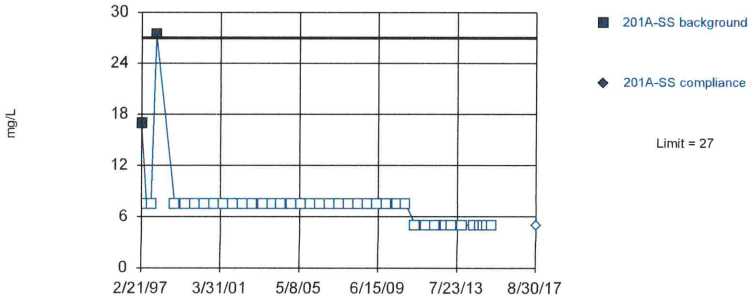
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 3:19 PM

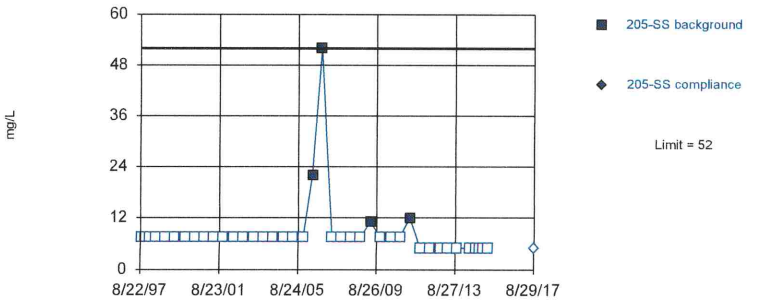
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 3:19 PM

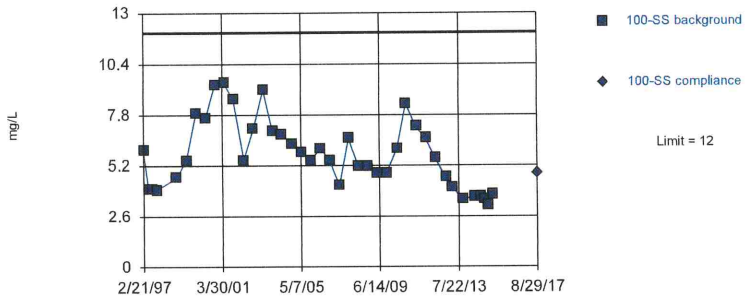
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.706, Std. Dev.=0.3034, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9578, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chloride Analysis Run 9/20/2017 3:19 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

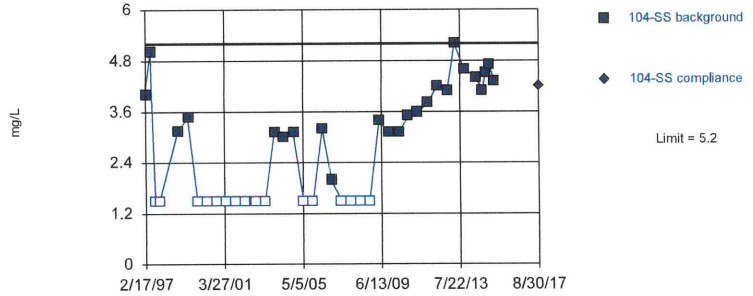
Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 40% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/20/2017 3:19 PM

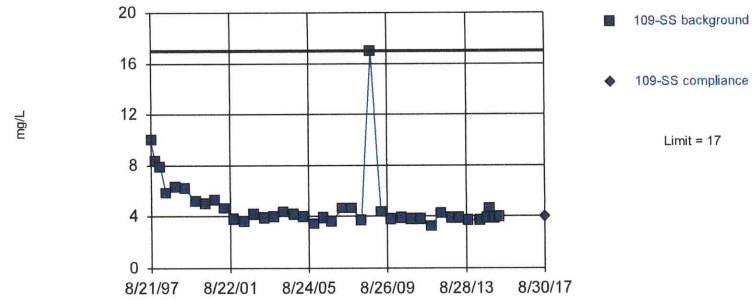
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/20/2017 3:19 PM

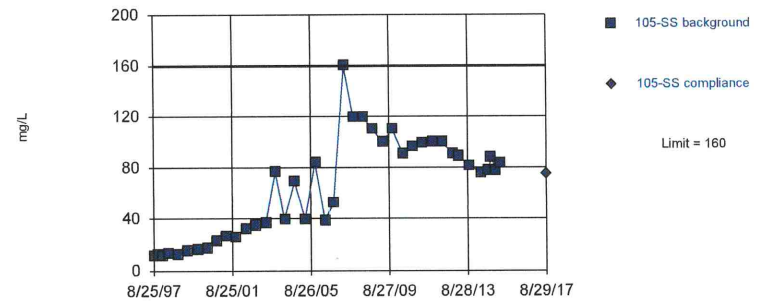
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/20/2017 3:19 PM

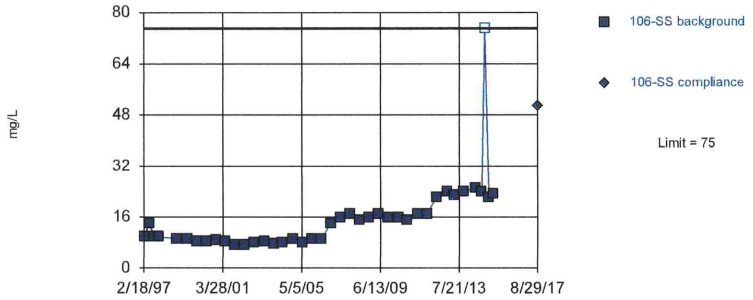
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 2.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

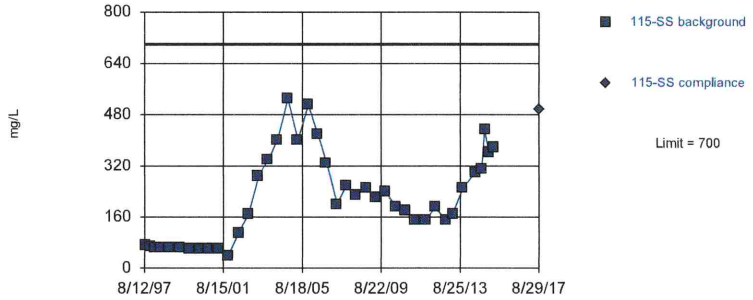
Constituent: Chloride Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=14.05, Std. Dev.=4.798, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9314, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

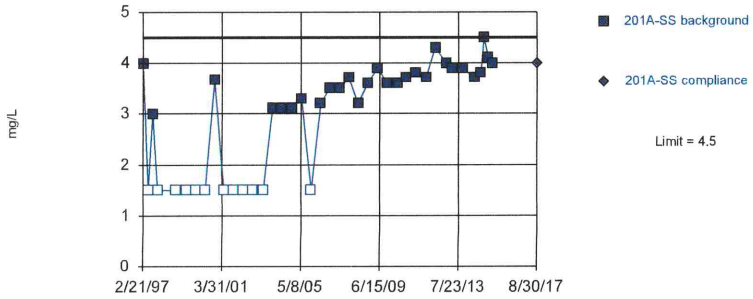
Constituent: Chloride Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 30% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

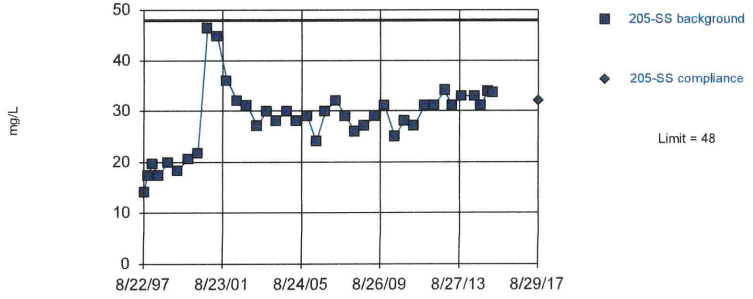
Constituent: Chloride Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=5.298, Std. Dev.=0.6393, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: <150 (11/20/2014).

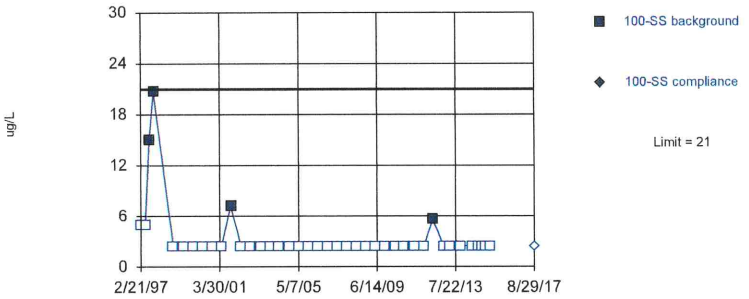
Constituent: Chloride Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

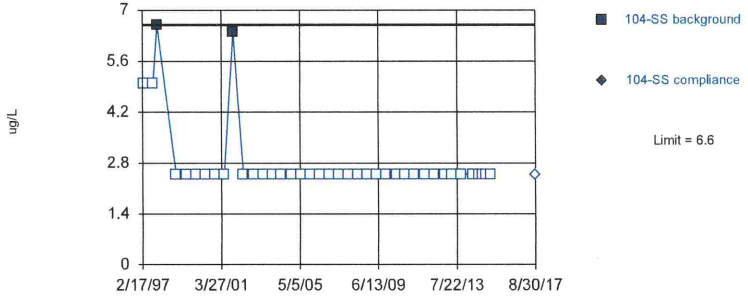
Constituent: Chromium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

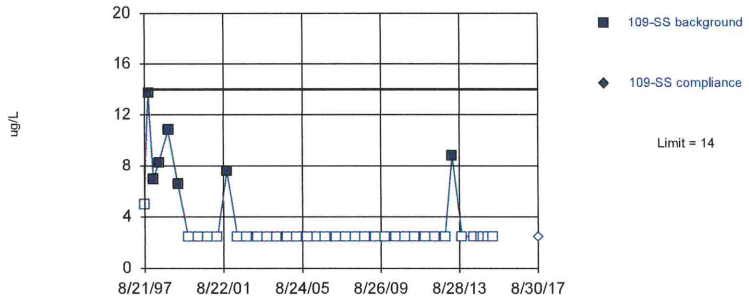
Constituent: Chromium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

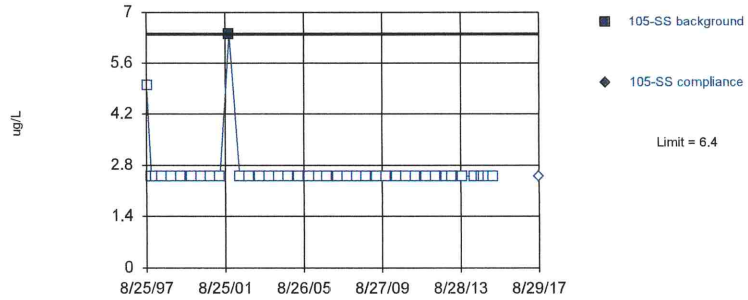
Constituent: Chromium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

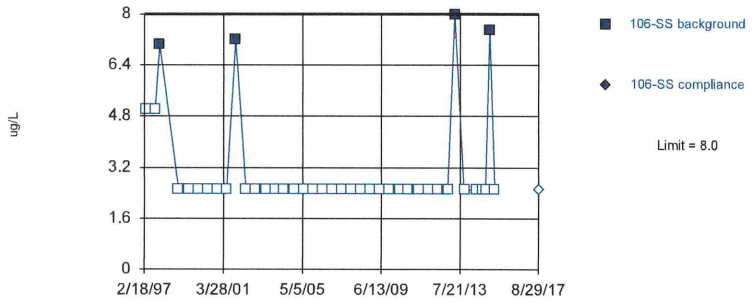
Constituent: Chromium Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 3:19 PM

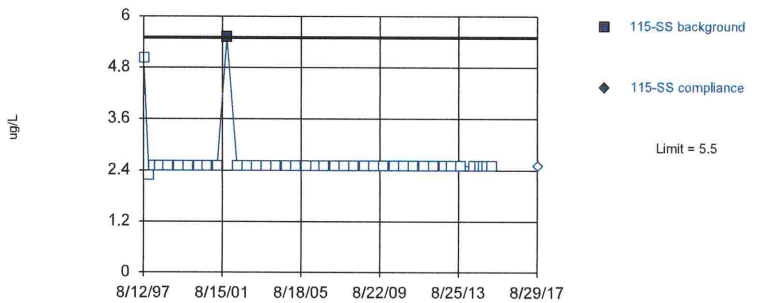
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 3:19 PM

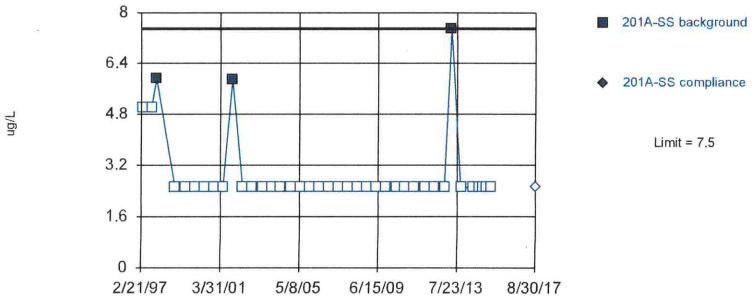
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 3:19 PM

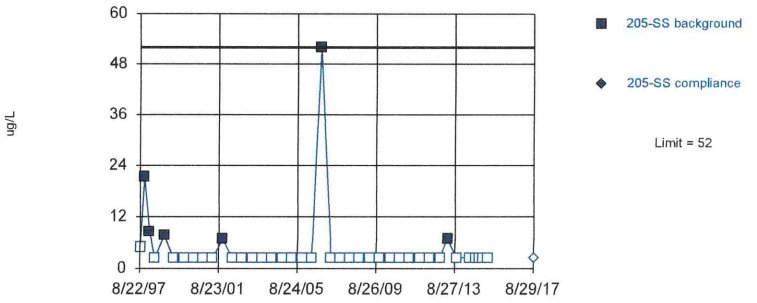
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 85% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 3:19 PM

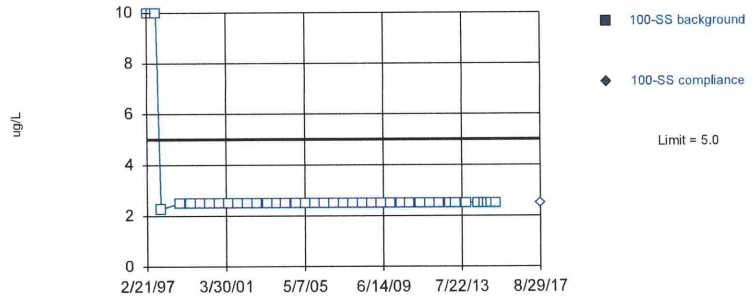
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

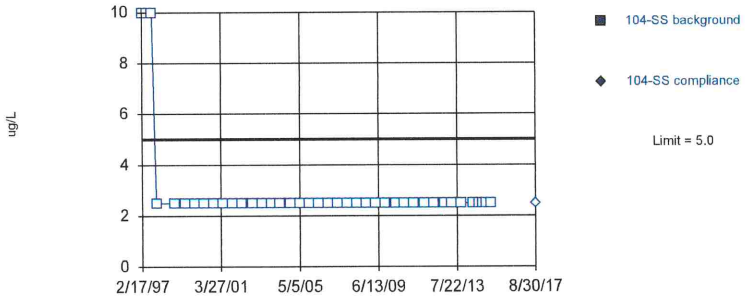
Constituent: Cobalt Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

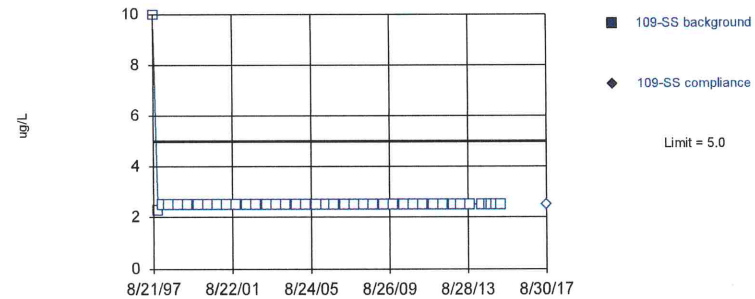
Constituent: Cobalt Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

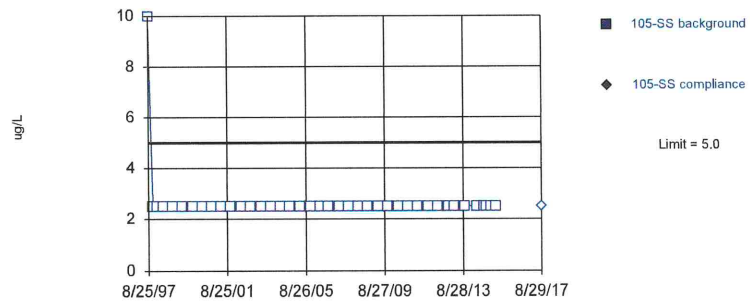
Constituent: Cobalt Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

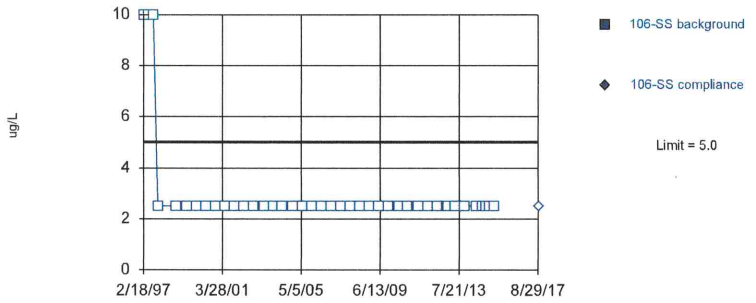
Constituent: Cobalt Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

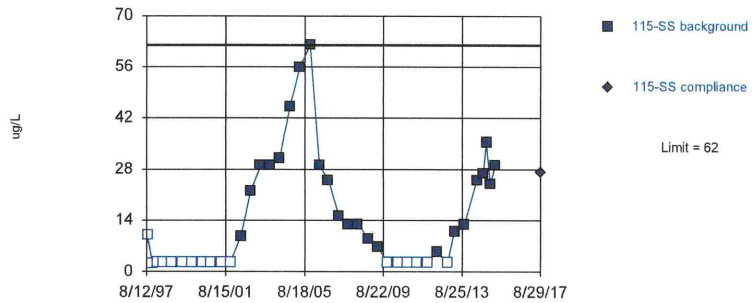
Constituent: Cobalt Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 42.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

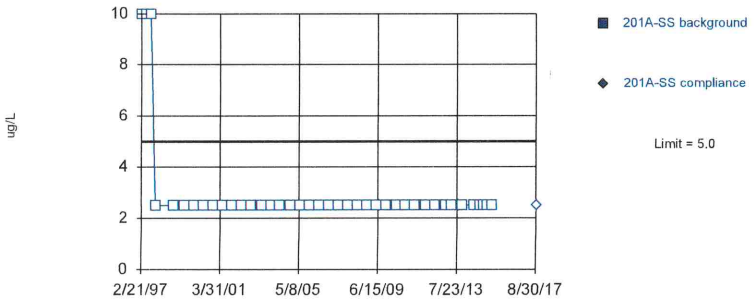
Constituent: Cobalt Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

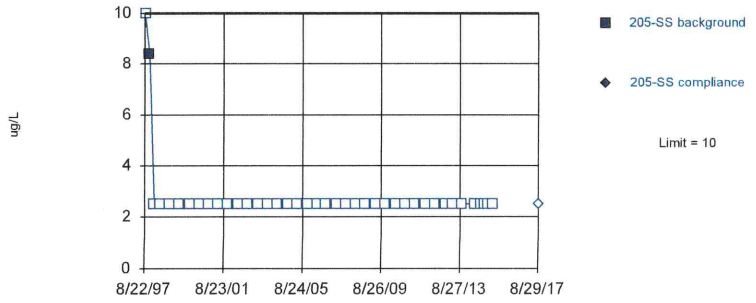
Constituent: Cobalt Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

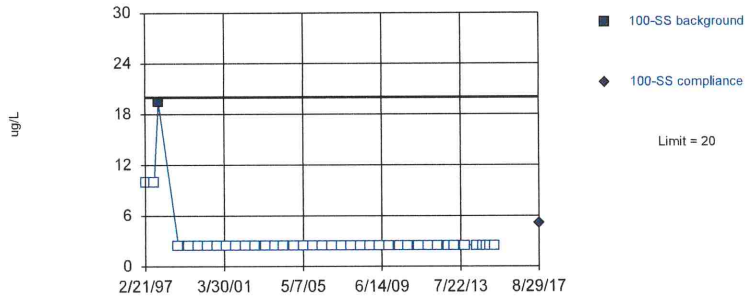
Constituent: Cobalt Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

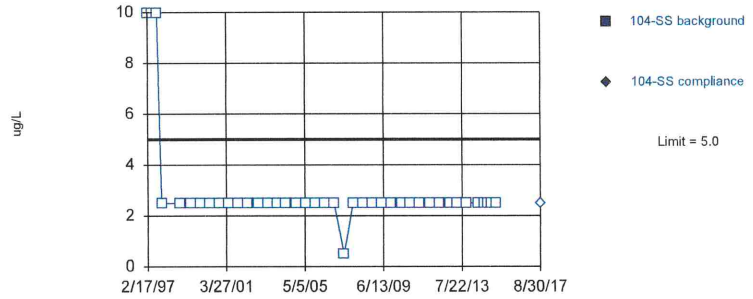
Constituent: Copper Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

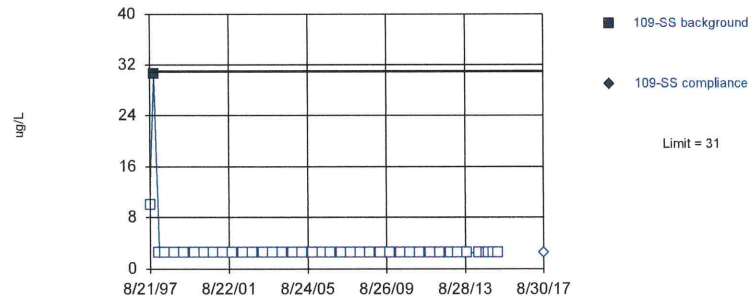
Constituent: Copper Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

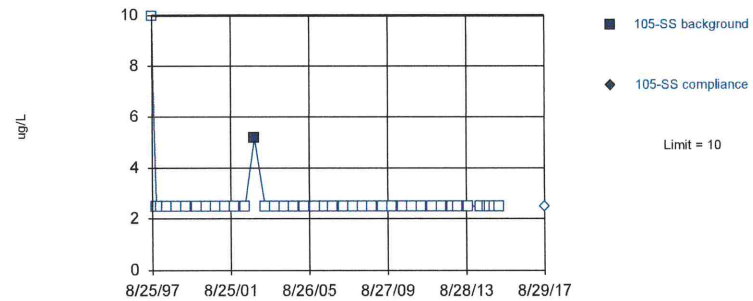
Constituent: Copper Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

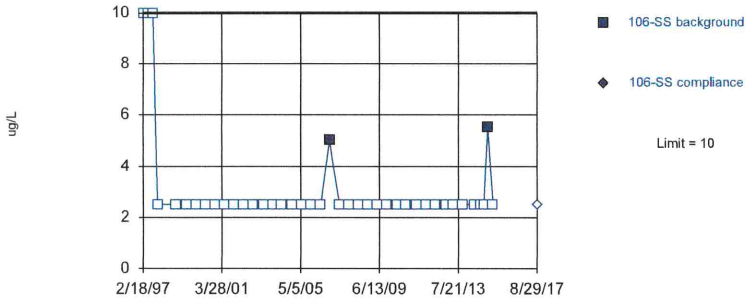
Constituent: Copper Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

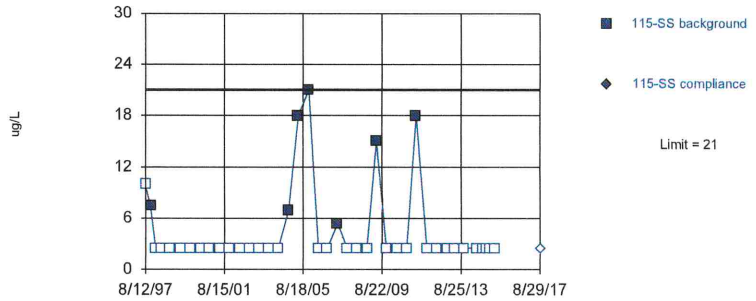
Constituent: Copper Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

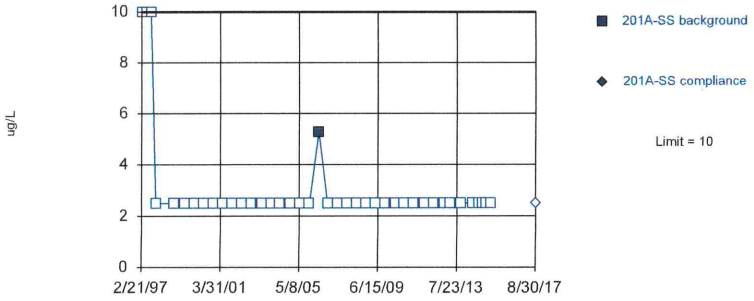
Constituent: Copper Total Analysis Run 9/20/2017 3:19 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

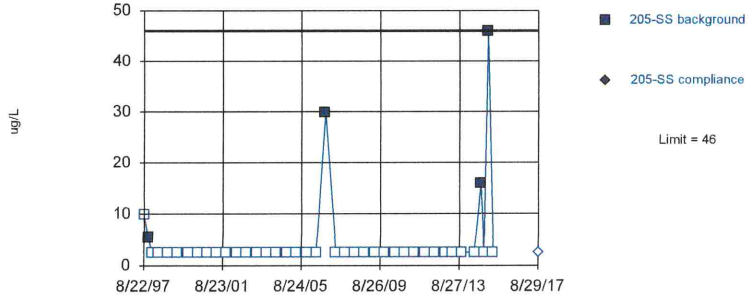
Constituent: Copper Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

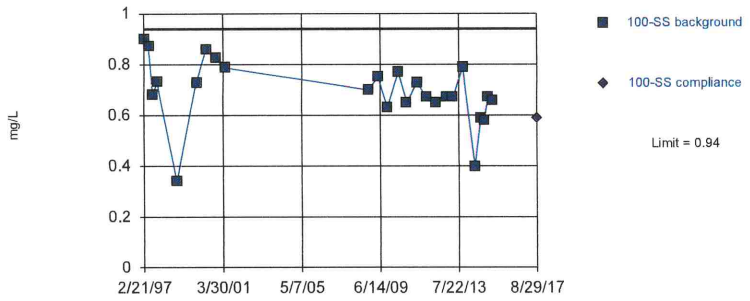
Constituent: Copper Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=0.3625, Std. Dev.=0.1685, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9619, critical = 0.888. Kappa = 2.783 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: <0.25 (5/18/1999).

Constituent: Fluoride Analysis Run 9/20/2017 3:20 PM

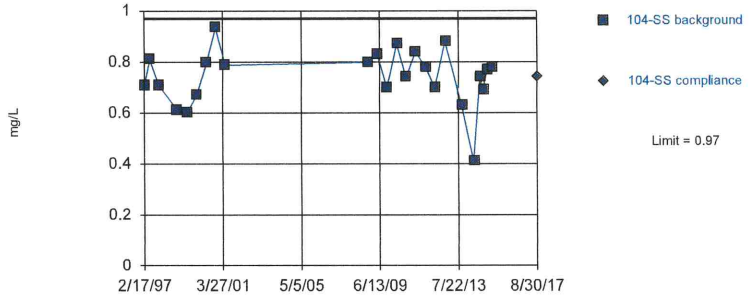
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=0.4327, Std. Dev.=0.1674, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9904, critical = 0.884. Kappa = 2.811 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. Two background outliers were removed: <0.25 (8/28/1997); 0.3 (4/11/2013).

Constituent: Fluoride Analysis Run 9/20/2017 3:20 PM

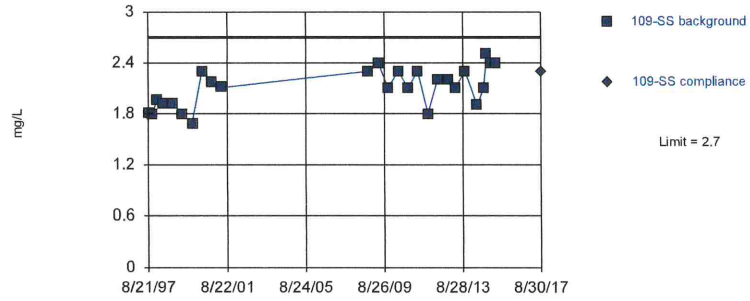
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=4.504, Std. Dev.=0.9566, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9495, critical = 0.891. Kappa = 2.766 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Fluoride Analysis Run 9/20/2017 3:20 PM

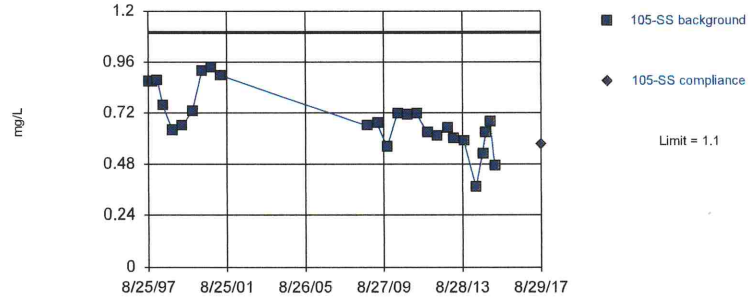
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.6903, Std. Dev.=0.1403, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9562, critical = 0.891. Kappa = 2.766 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Fluoride Analysis Run 9/20/2017 3:20 PM

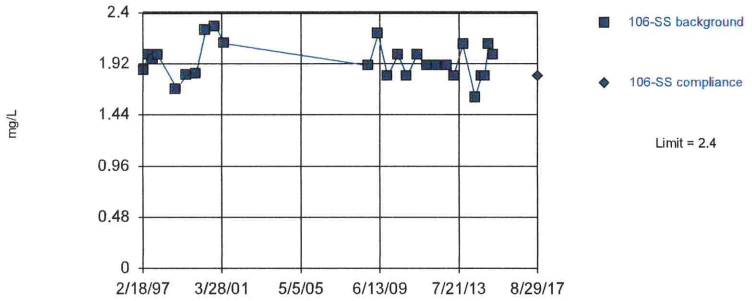
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=0.6576, Std. Dev.=0.08543, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9659, critical = 0.891. Kappa = 2.766 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Fluoride Analysis Run 9/20/2017 3:20 PM

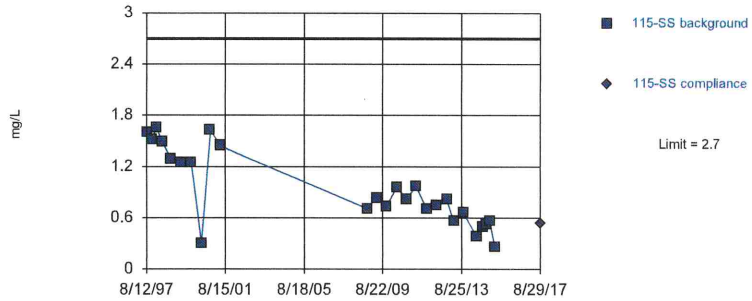
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.9509, Std. Dev.=0.1594, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.891. Kappa = 2.766 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Fluoride Analysis Run 9/20/2017 3:20 PM

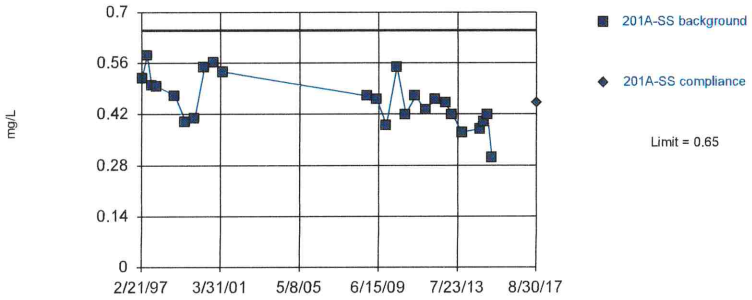
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4567, Std. Dev.=0.06897, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9735, critical = 0.888. Kappa = 2.783 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 0.2 (5/28/2014).

Constituent: Fluoride Analysis Run 9/20/2017 3:20 PM

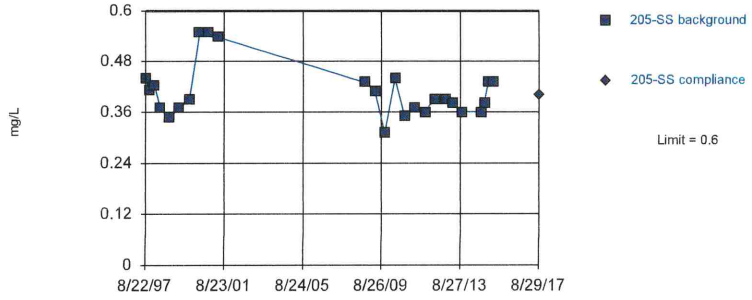
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.909, Std. Dev.=0.1421, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9114, critical = 0.888. Kappa = 2.783 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 0.18 (5/28/2014).

Constituent: Fluoride Analysis Run 9/20/2017 3:20 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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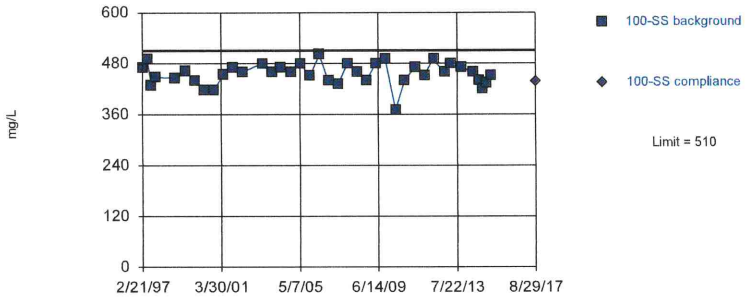
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^5 transformation): Mean=2.0e13, Std. Dev.=5.2e12, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9827, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 150 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/20/2017 3:20 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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Within Limit

Prediction Limit

Intrawell Parametric

Background Data Summary (based on x^4 transformation): Mean=2.7e10, Std. Dev.=7.1e9, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9686, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 130 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/20/2017 3:20 PM

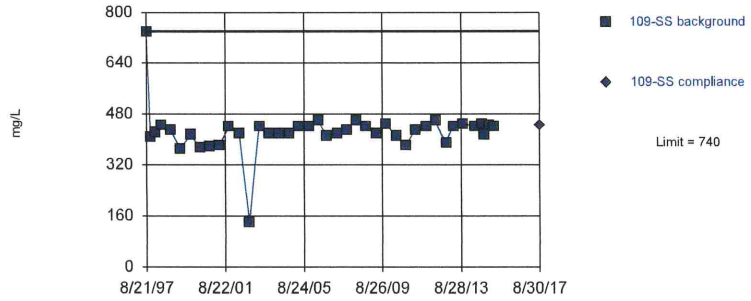
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Hardness Total Analysis Run 9/20/2017 3:20 PM

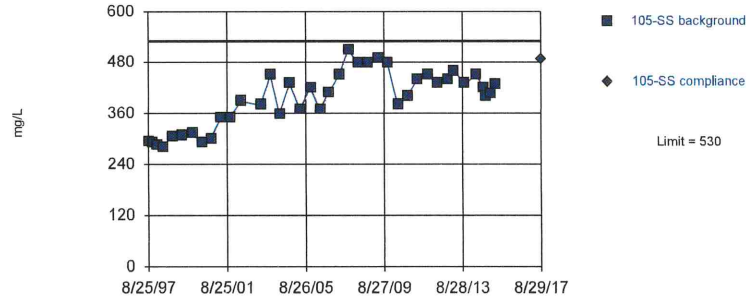
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=6.6e7, Std. Dev.=3.0e7, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9477, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 130 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/20/2017 3:20 PM

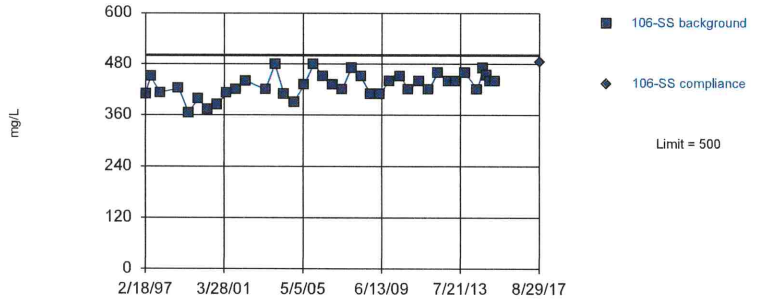
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=185370, Std. Dev.=23529, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9721, critical = 0.916. Kappa = 2.611 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. Two background outliers were removed: 265 (8/25/1997); 130 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/20/2017 3:20 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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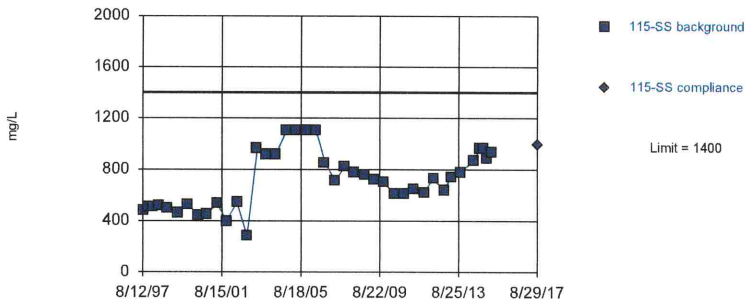
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=26.46, Std. Dev.=4.163, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Hardness Total Analysis Run 9/20/2017 3:20 PM

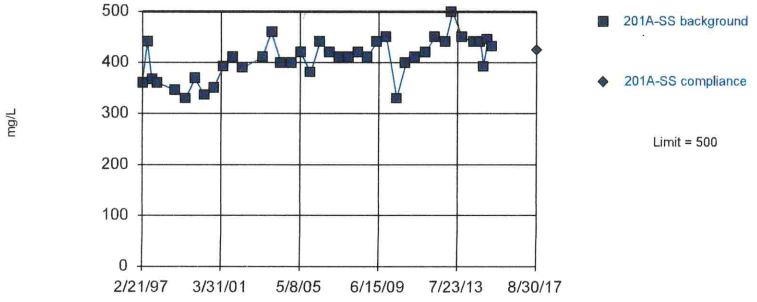
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=166992, Std. Dev.=31934, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9649, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 120 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/20/2017 3:20 PM

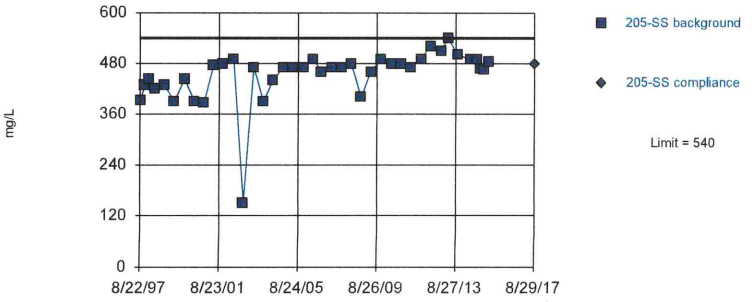
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^5 transformation): Mean=2.2e13, Std. Dev.=9.0e12, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9654, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Hardness Total Analysis Run 9/20/2017 3:20 PM

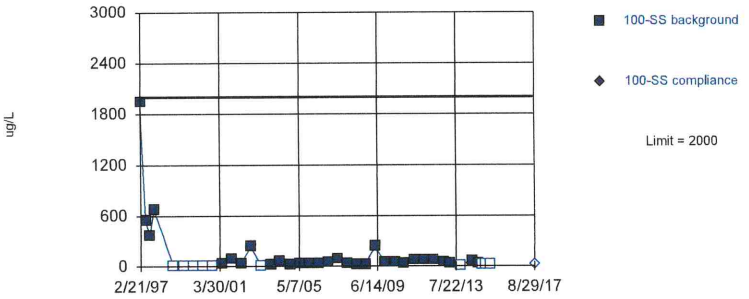
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 25% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Iron Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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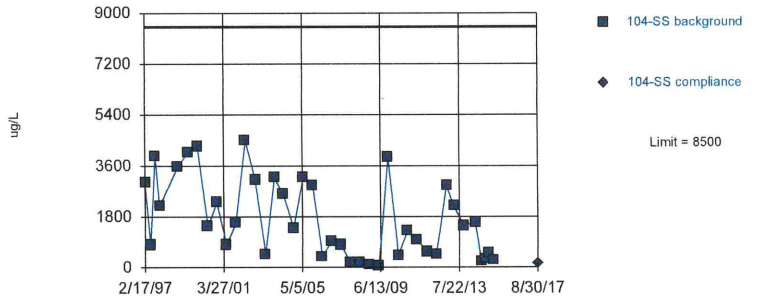
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=10.96, Std. Dev.=3.646, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9386, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

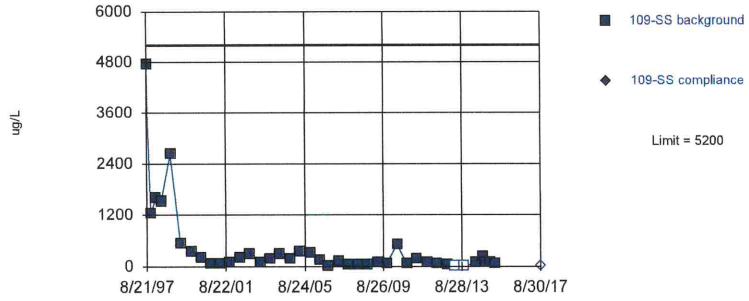
Constituent: Iron Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.028, Std. Dev.=1.361, n=40, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9648, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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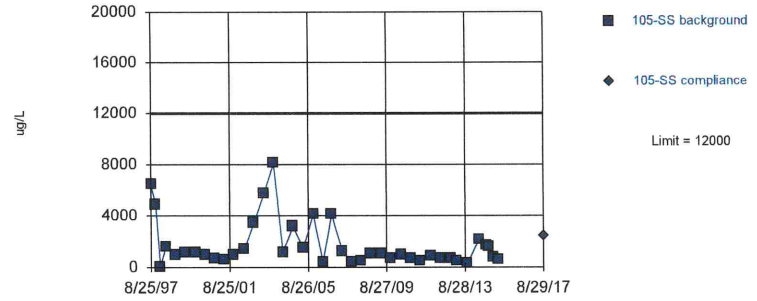
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=7.052, Std. Dev.=0.9184, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9596, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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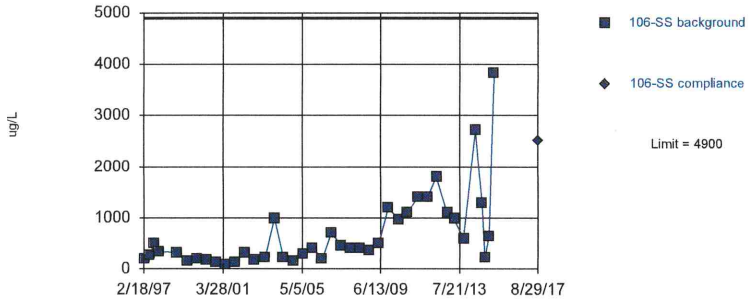
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.103, Std. Dev.=0.921, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9678, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 3:20 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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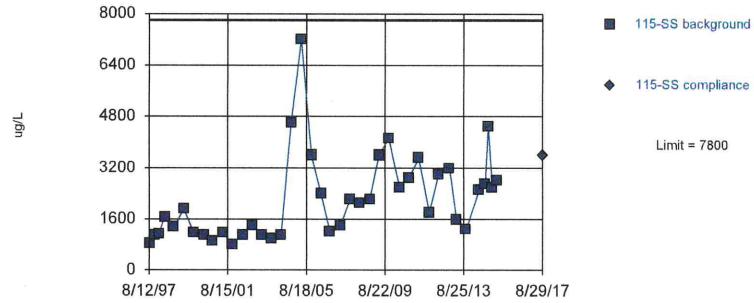
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=7.55, Std. Dev.=0.5467, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9494, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 3:20 PM

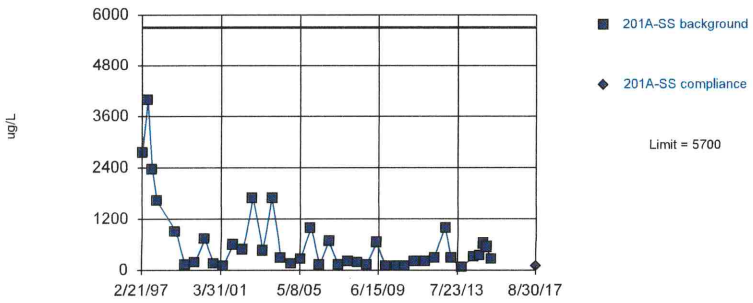
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.9, Std. Dev.=1.058, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9514, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 3:20 PM

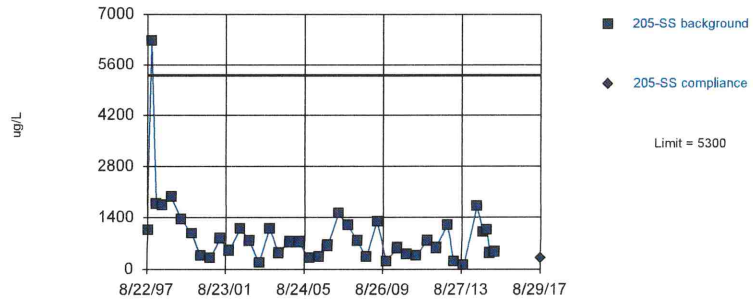
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.53, Std. Dev.=0.7894, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9844, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 3:20 PM

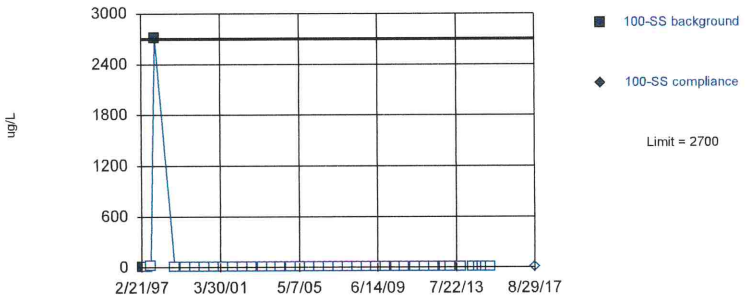
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

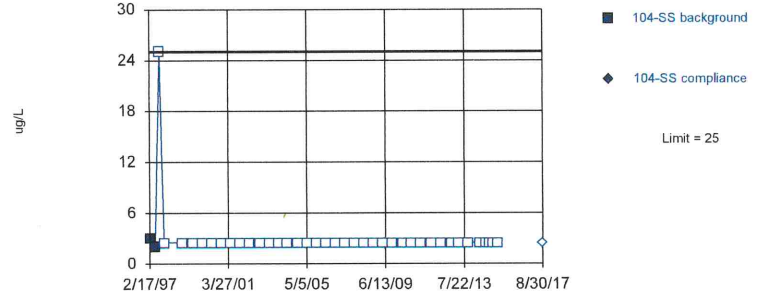
Constituent: Lead Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

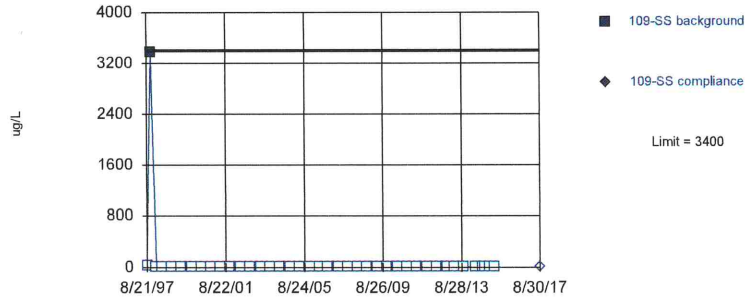
Constituent: Lead Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

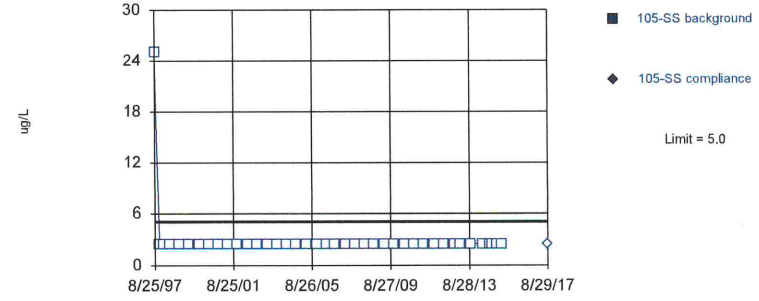
Constituent: Lead Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

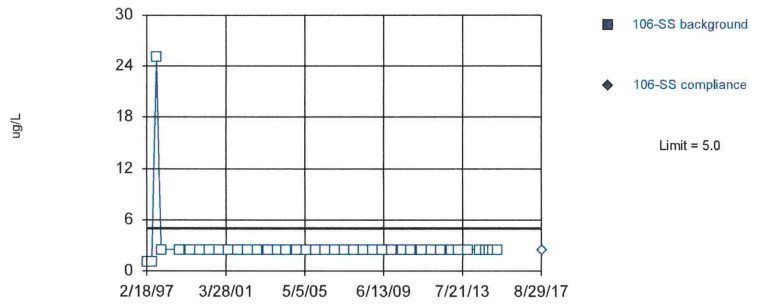
Constituent: Lead Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

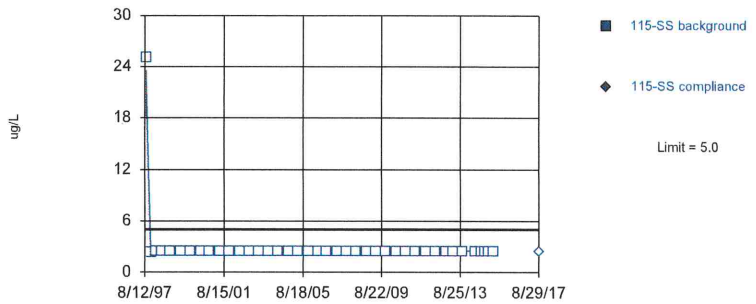
Constituent: Lead Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

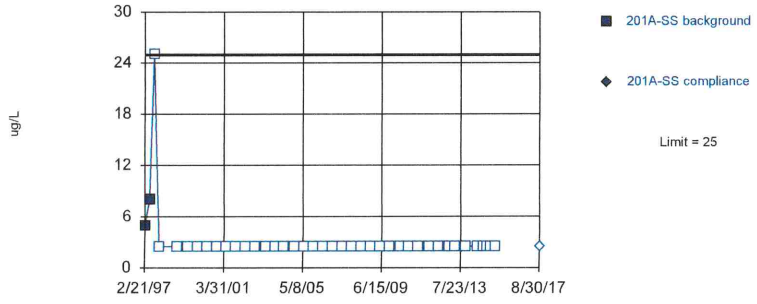
Constituent: Lead Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

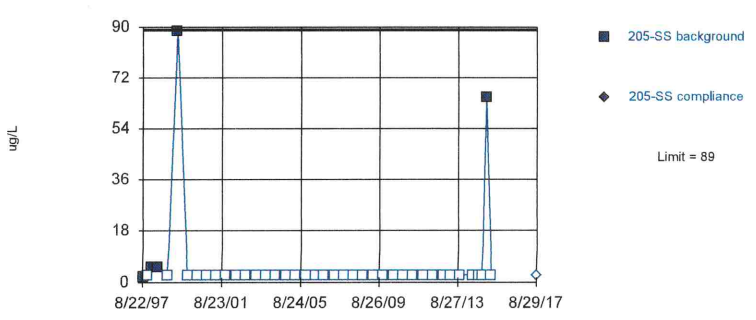
Constituent: Lead Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

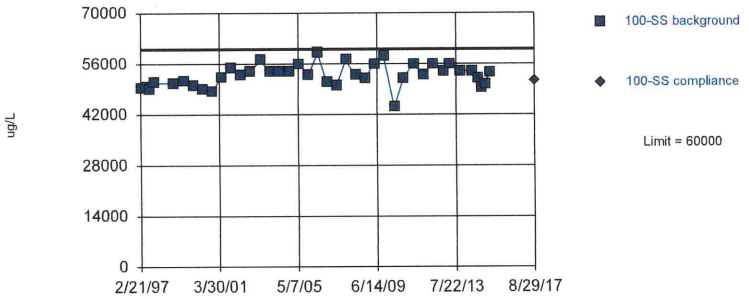
Constituent: Lead Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.5e14, Std. Dev.=2.5e13, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9819, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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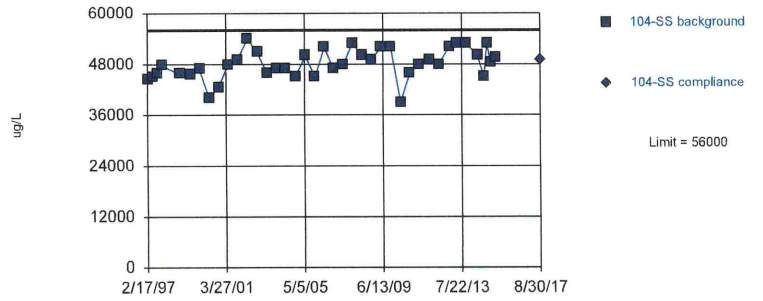
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.1e14, Std. Dev.=2.4e13, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9654, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

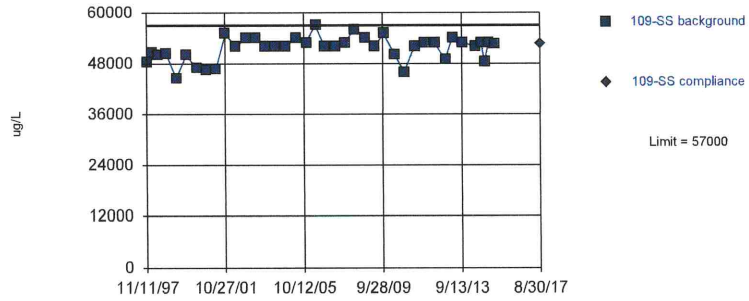
Constituent: Magnesium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^6 transformation): Mean=2.0e28, Std. Dev.=5.9e27, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9685, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 74000 (8/21/1997).

Constituent: Magnesium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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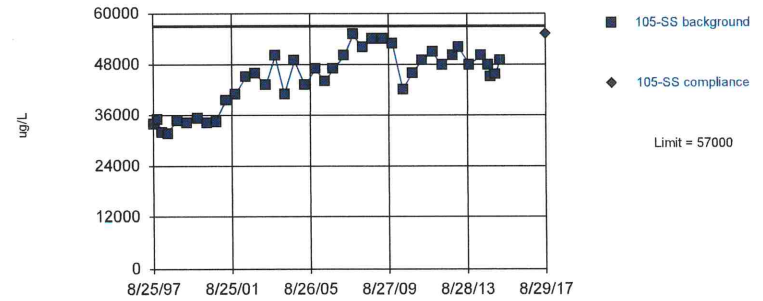
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=4.5e18, Std. Dev.=2.3e18, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.944, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Magnesium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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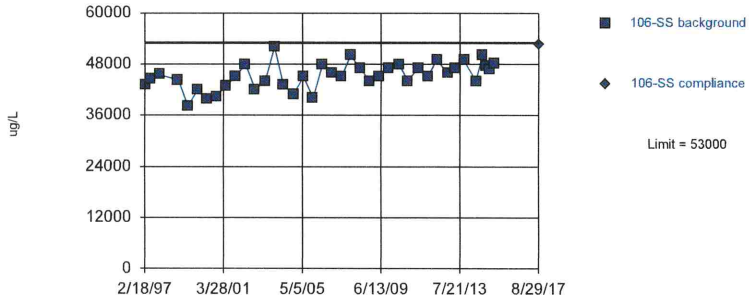
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=2.1e9, Std. Dev.=2.8e8, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9877, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 28000 (8/25/1997).

Constituent: Magnesium Total Analysis Run 9/20/2017 3:20 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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Within Limit

Prediction Limit

Intrawell Parametric

Background Data Summary (based on cube root transformation): Mean=42.67, Std. Dev.=3.364, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9636, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/20/2017 3:20 PM

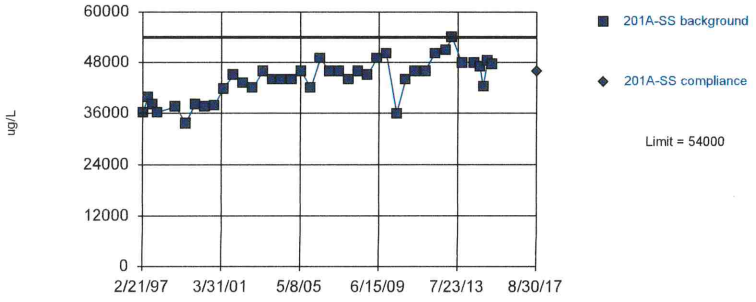
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=8.7e13, Std. Dev.=2.7e13, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9699, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/20/2017 3:20 PM

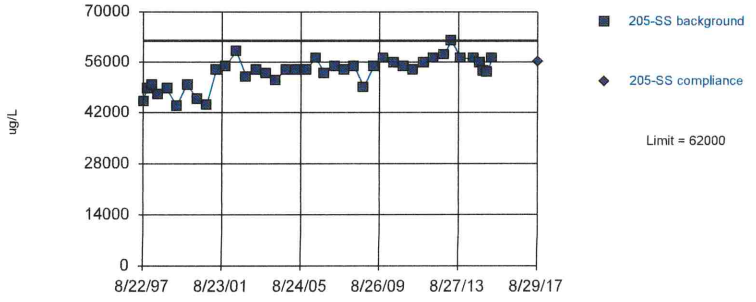
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=8.3e18, Std. Dev.=2.4e18, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9625, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/20/2017 3:20 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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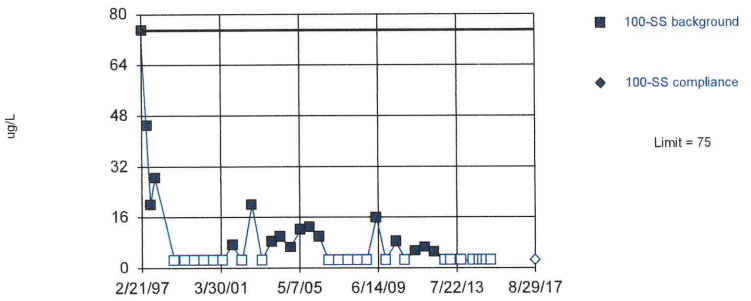
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 57.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

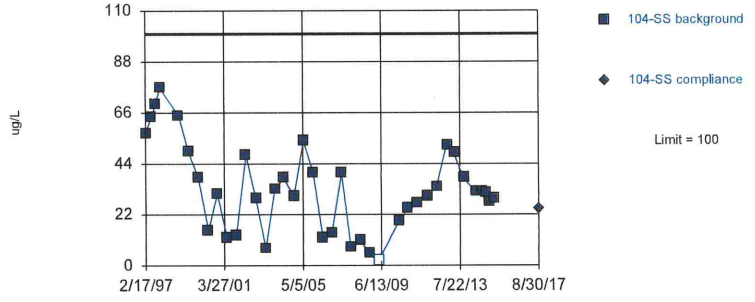
Constituent: Manganese Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=5.486, Std. Dev.=1.746, n=39, 2.564% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9696, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 160 (11/4/2009).

Constituent: Manganese Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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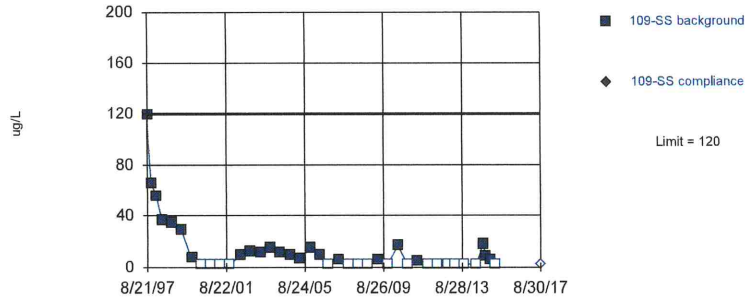
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 42.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

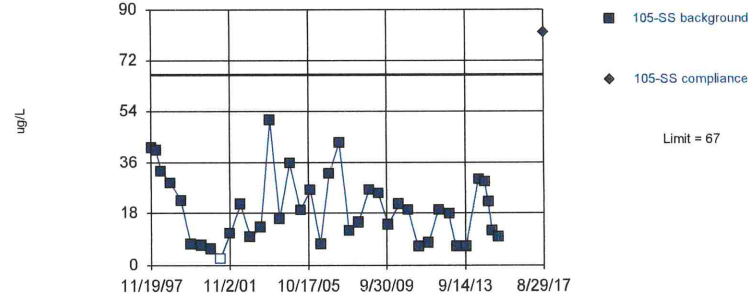
Constituent: Manganese Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=2.59, Std. Dev.=0.5683, n=39, 2.564% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9742, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 240 (8/25/1997).

Constituent: Manganese Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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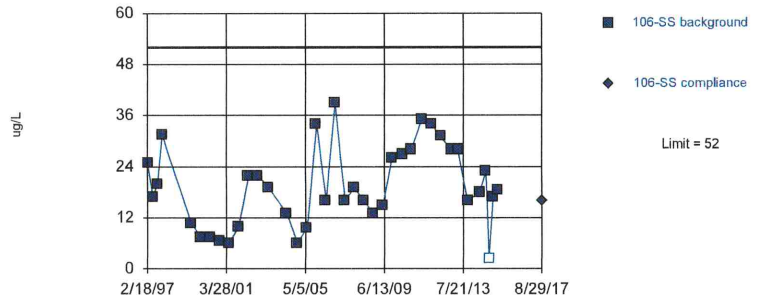
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=4.249, Std. Dev.=1.13, n=38, 2.632% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9715, critical = 0.916. Kappa = 2.611 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. Two background outliers were removed: 84.2 (11/11/1998); 270 (11/20/2003).

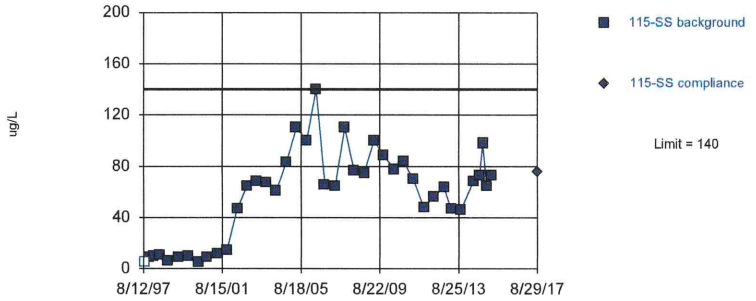
Constituent: Manganese Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 2.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Manganese Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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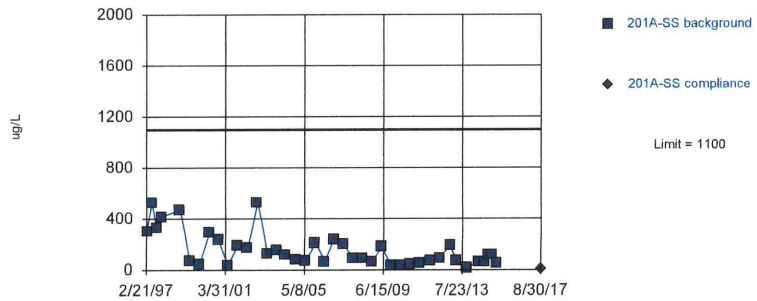
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=4.69, Std. Dev.=0.8887, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9728, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

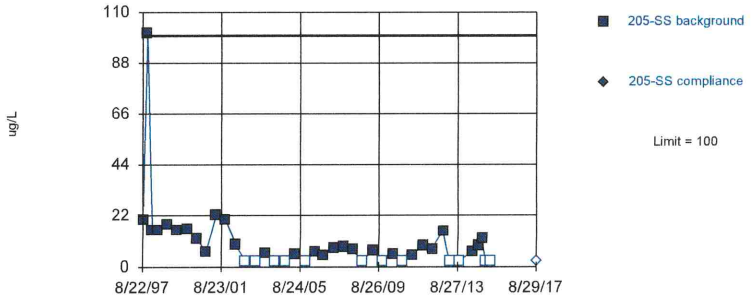
Constituent: Manganese Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 30% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

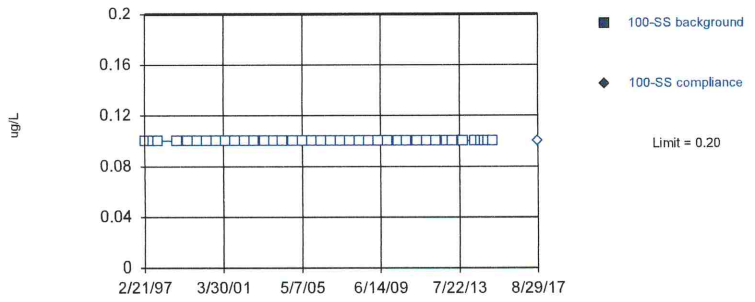
Constituent: Manganese Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

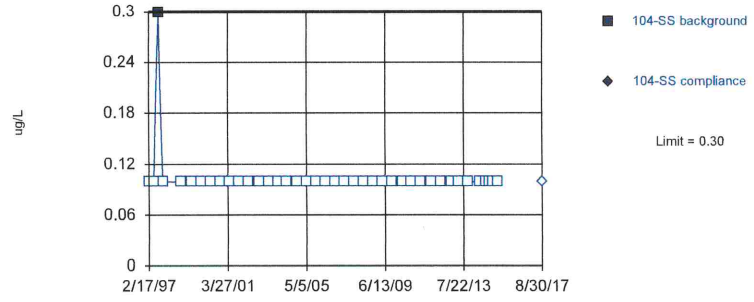
Constituent: Mercury Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

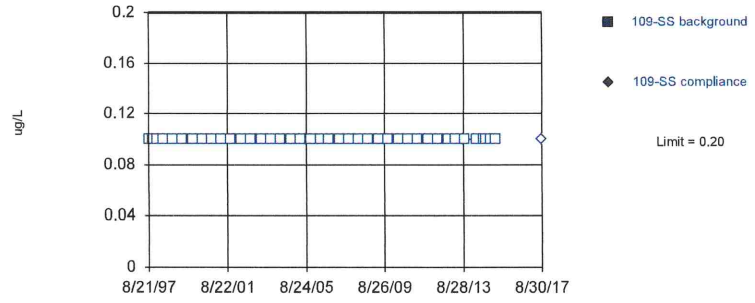
Constituent: Mercury Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

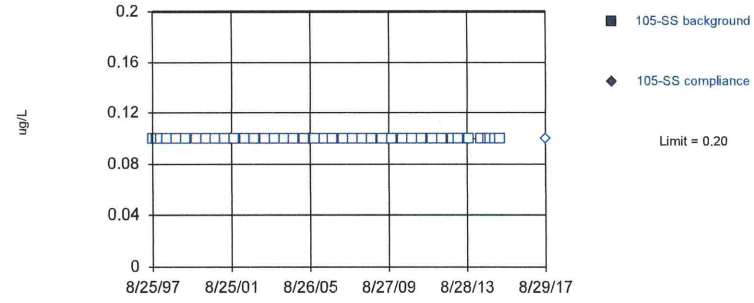
Constituent: Mercury Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

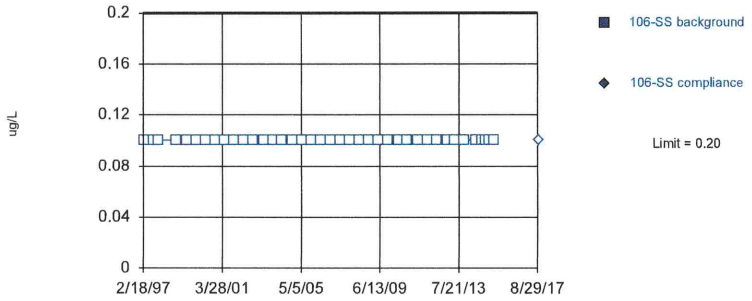
Constituent: Mercury Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Mercury Total Analysis Run 9/20/2017 3:20 PM

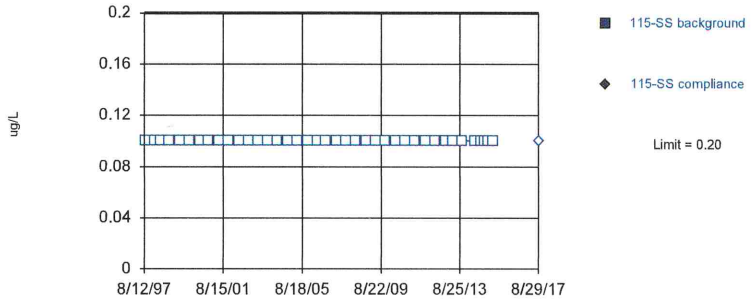
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Mercury Total Analysis Run 9/20/2017 3:20 PM

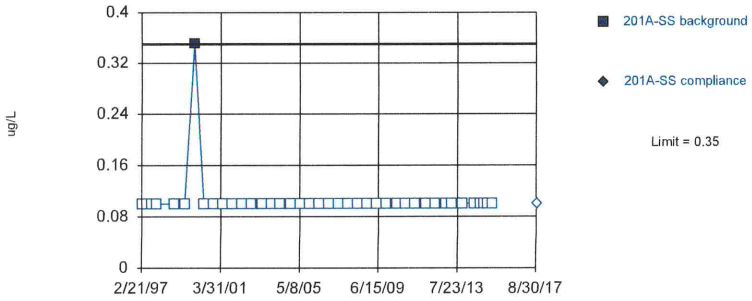
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Mercury Total Analysis Run 9/20/2017 3:20 PM

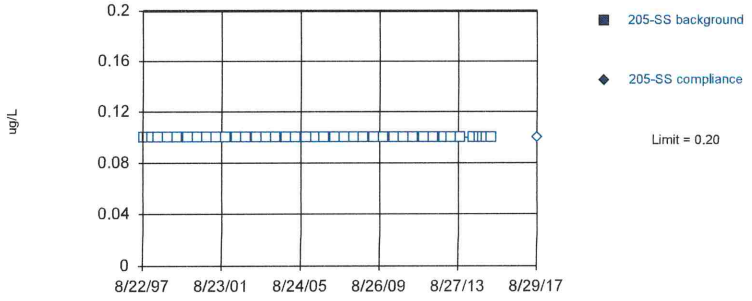
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Mercury Total Analysis Run 9/20/2017 3:20 PM

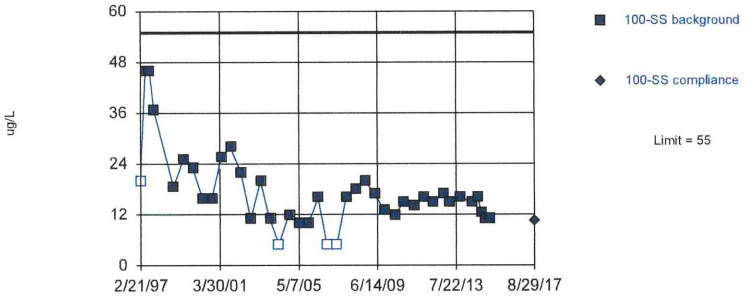
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.743, Std. Dev.=0.491, n=40, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9342, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

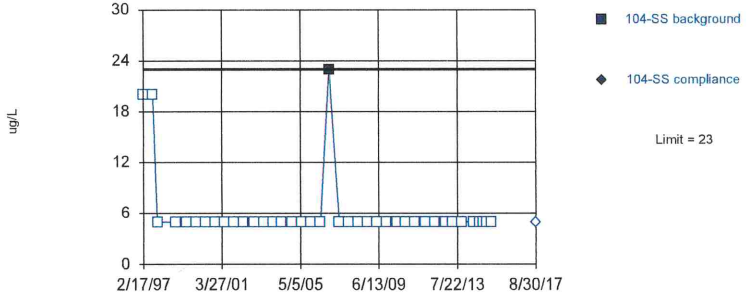
Constituent: Nickel Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

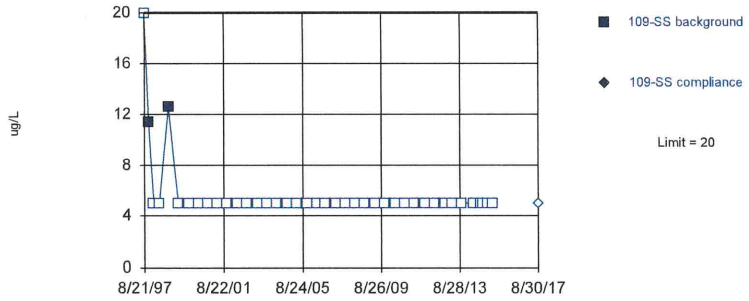
Constituent: Nickel Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

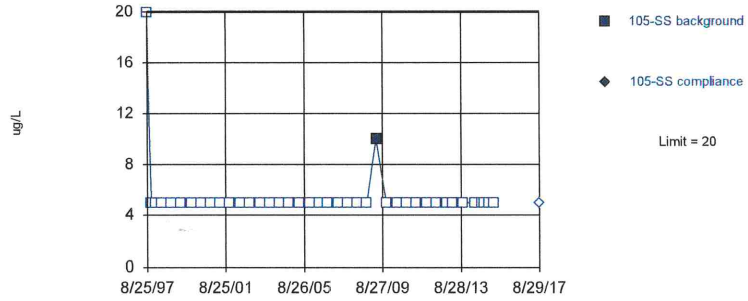
Constituent: Nickel Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

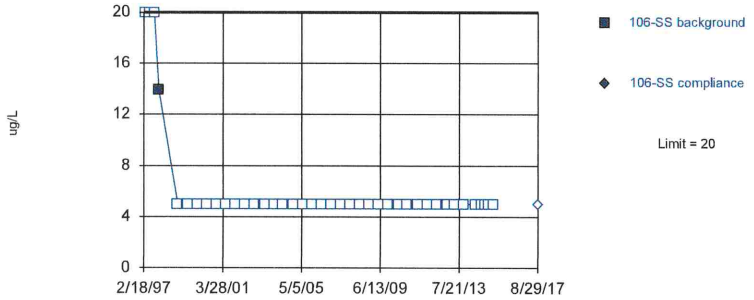
Constituent: Nickel Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/20/2017 3:20 PM

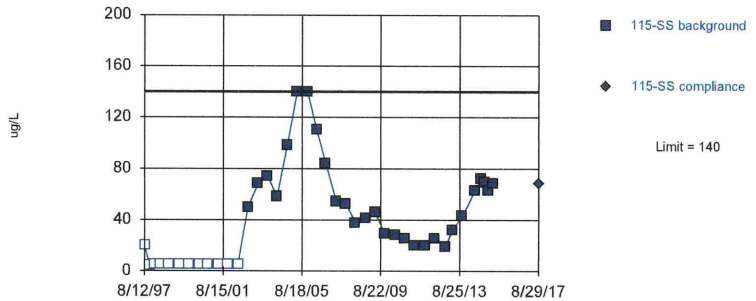
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 30% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/20/2017 3:20 PM

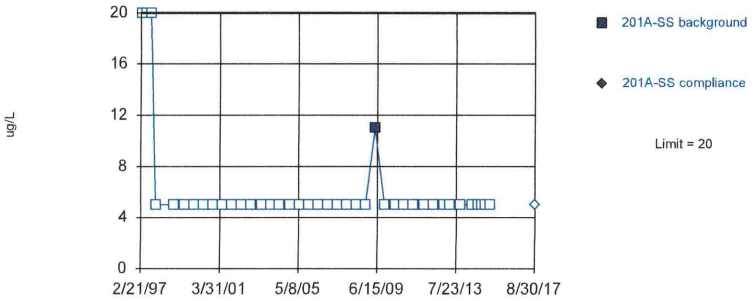
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/20/2017 3:20 PM

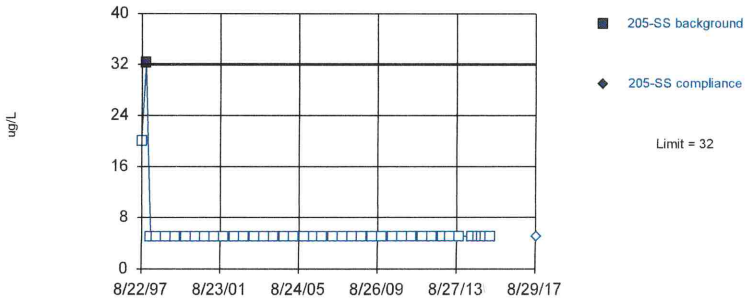
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/20/2017 3:20 PM

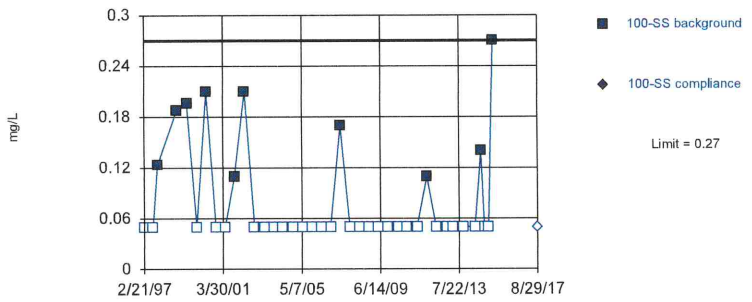
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 75% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

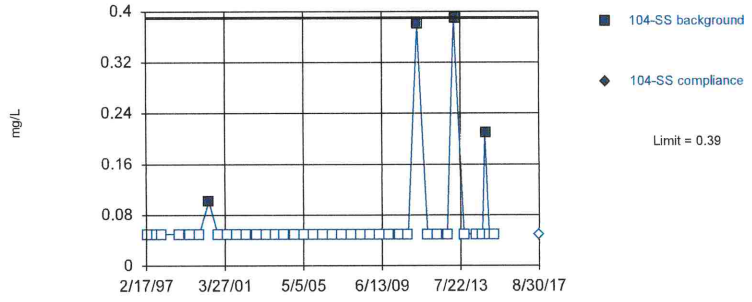
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

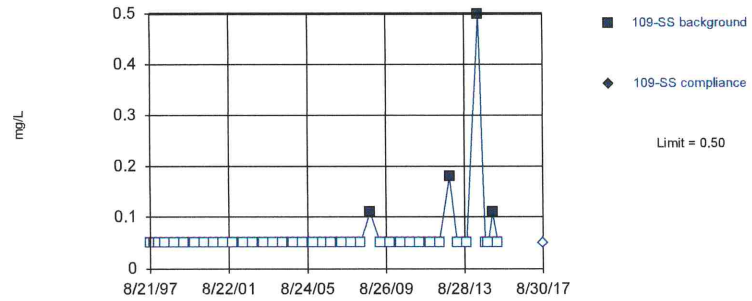
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

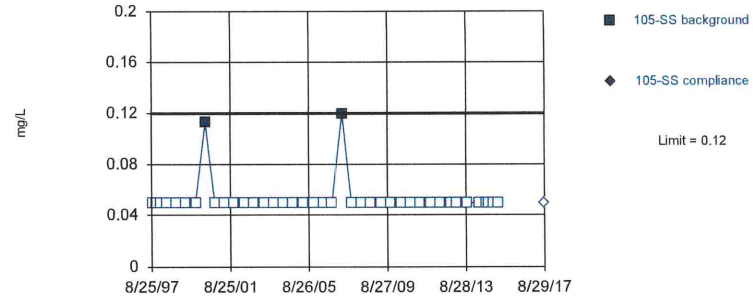
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

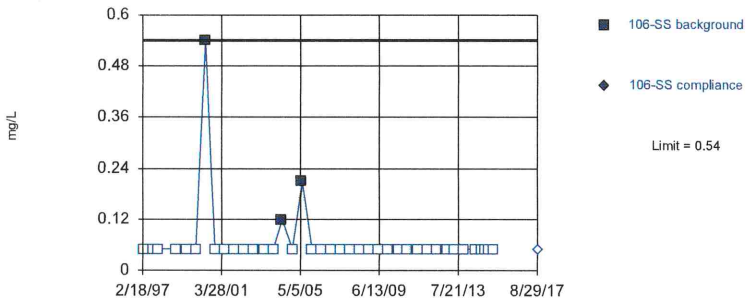
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

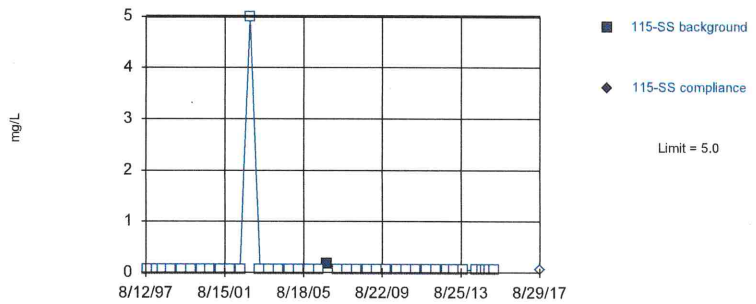
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

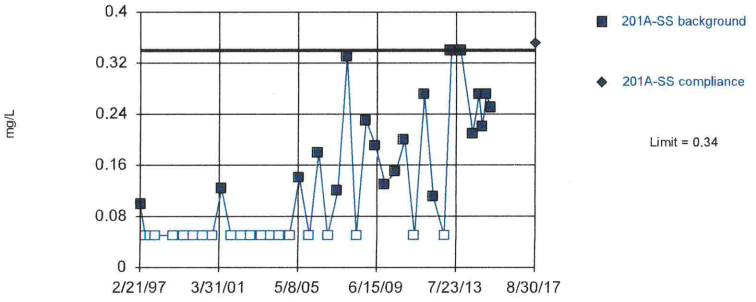
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 50% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

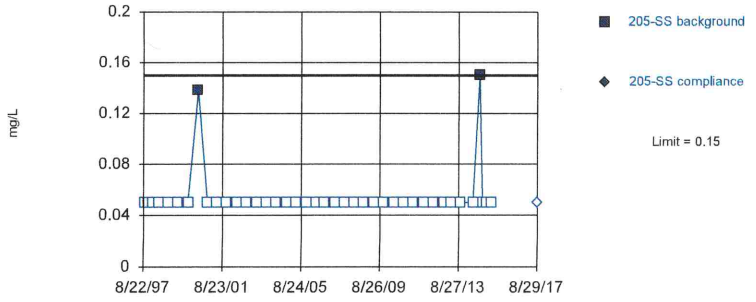
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

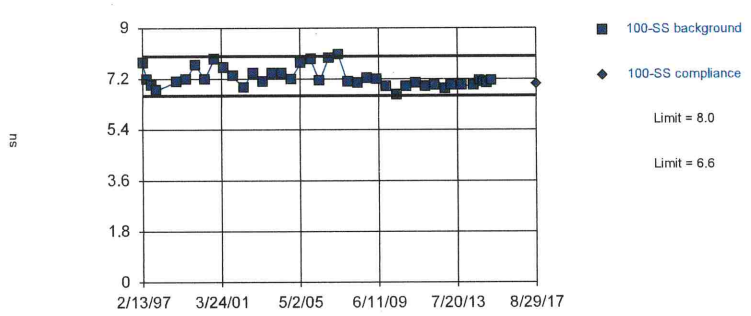
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 40 background values. Well-constituent pair annual alpha = 0.009204. Individual comparison alpha = 0.002305 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

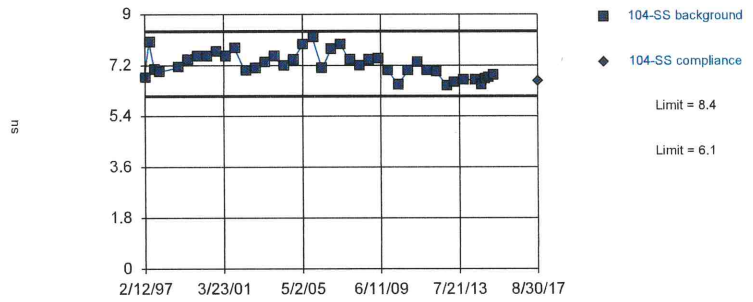
Constituent: pH [Field] Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.973, Std. Dev.=0.061, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9683, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

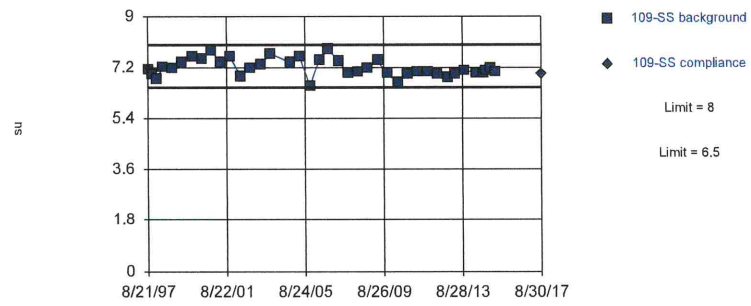
Constituent: pH [Field] Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.973, Std. Dev.=0.04155, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9715, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 10.9 (5/11/2004).

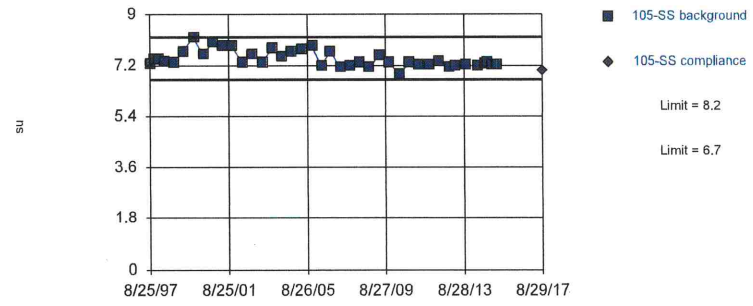
Constituent: pH [Field] Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.005, Std. Dev.=0.0387, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9193, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

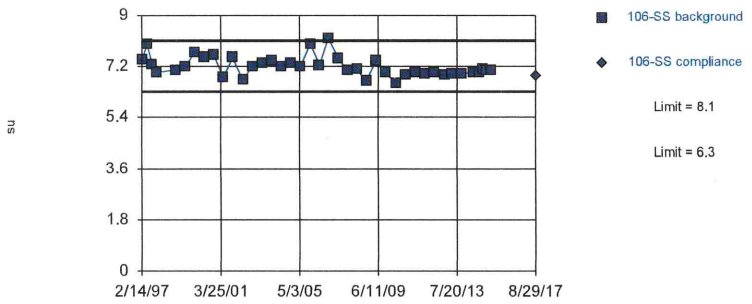
Constituent: pH [Field] Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.971, Std. Dev.=0.04852, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9462, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/20/2017 3:20 PM

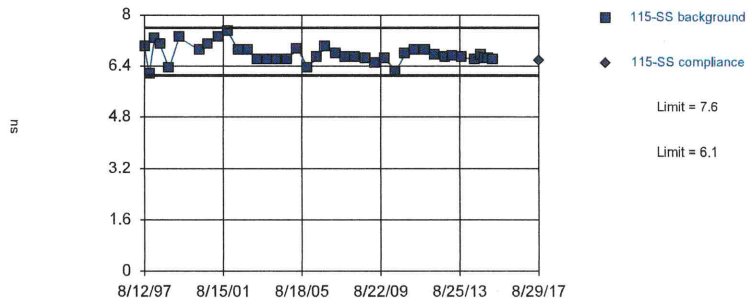
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.911, Std. Dev.=0.04272, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9607, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 7.9 (11/19/1999).

Constituent: pH [Field] Analysis Run 9/20/2017 3:20 PM

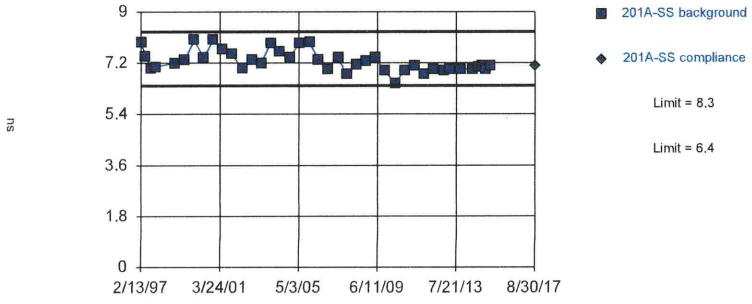
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.981, Std. Dev.=0.05083, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/20/2017 3:20 PM

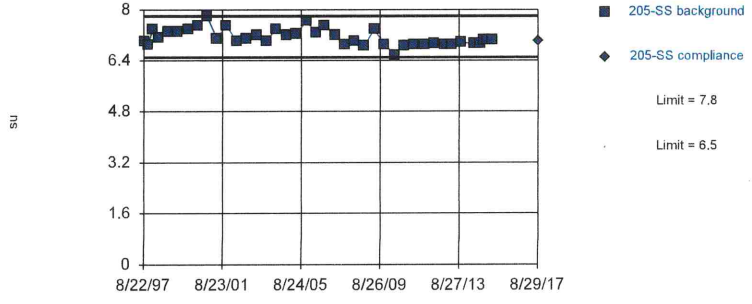
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.964, Std. Dev.=0.03507, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9487, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/20/2017 3:20 PM

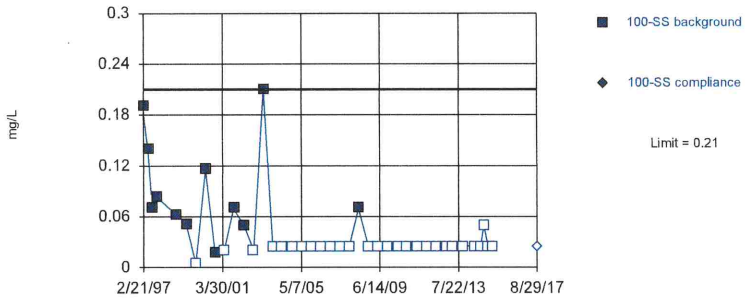
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 70% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:20 PM

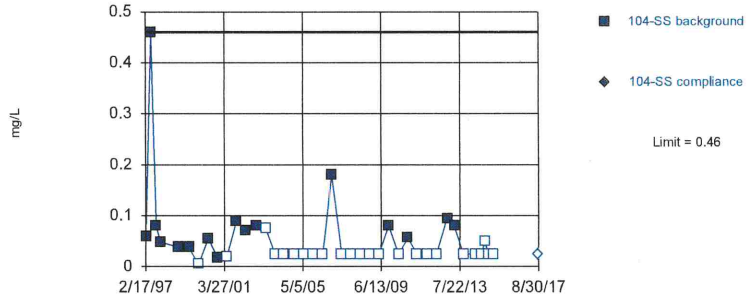
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 60% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:20 PM

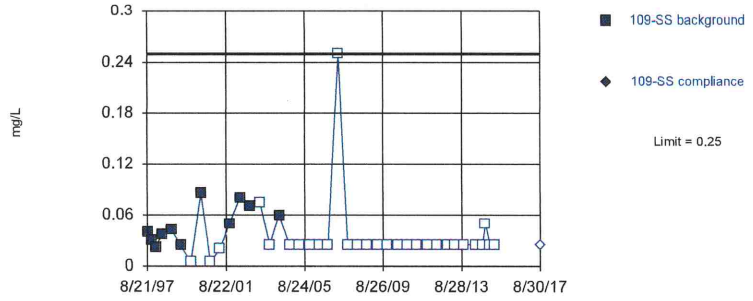
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 72.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:20 PM

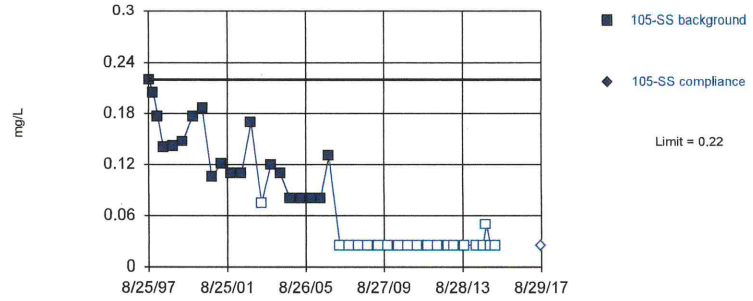
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 50% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:20 PM

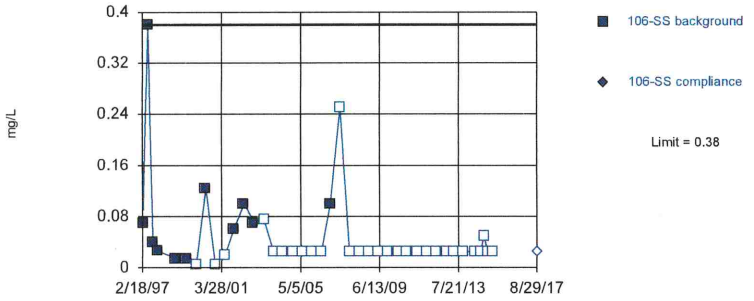
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 72.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:20 PM

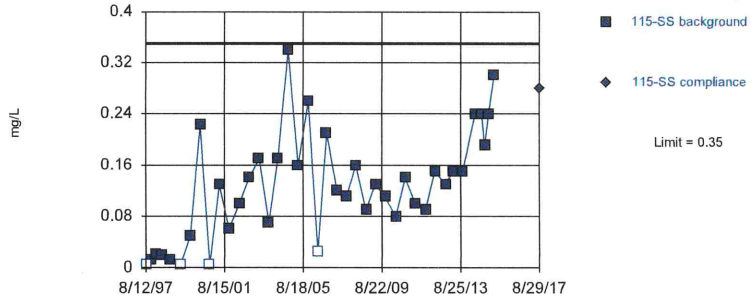
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1277, Std. Dev.=0.08528, n=40, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9539, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:20 PM

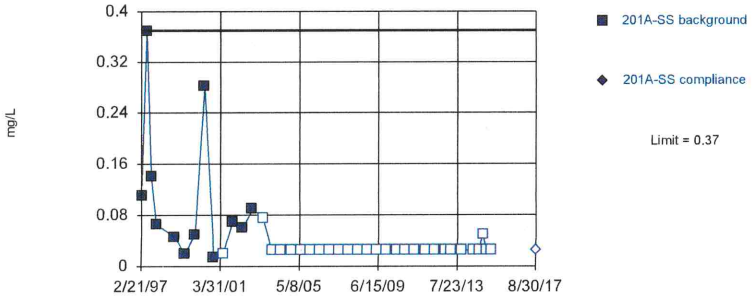
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 70% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:20 PM

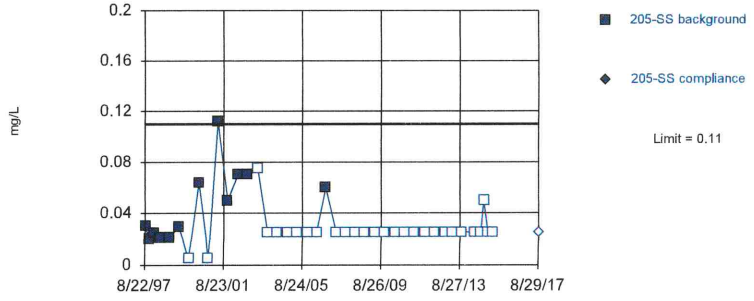
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 70% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Phosphorus Total Analysis Run 9/20/2017 3:20 PM

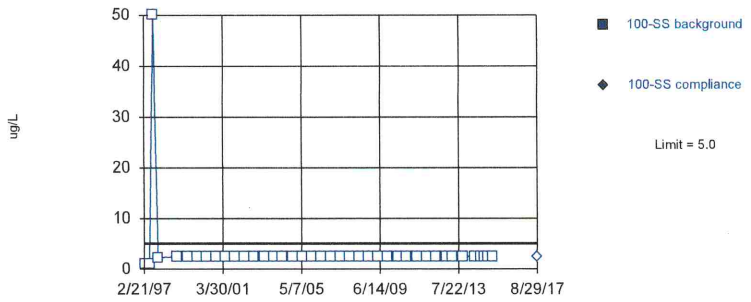
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

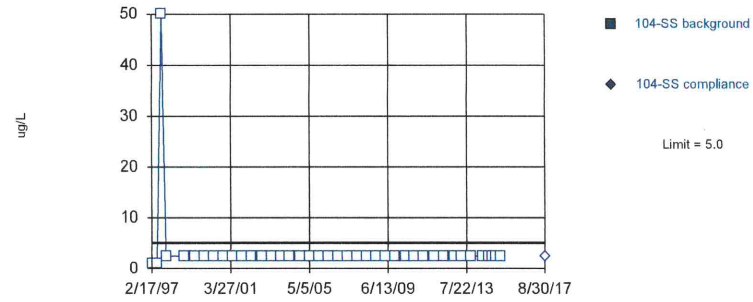
Constituent: Selenium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

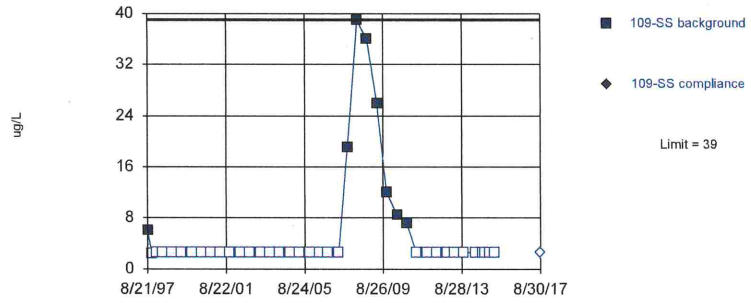
Constituent: Selenium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 80% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

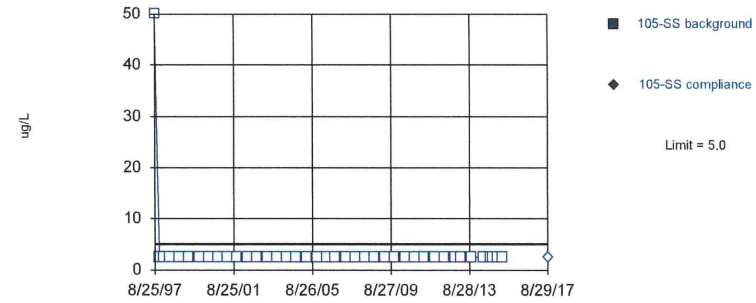
Constituent: Selenium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

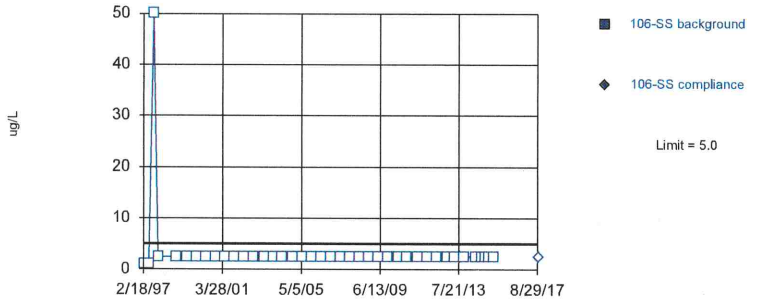
Constituent: Selenium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

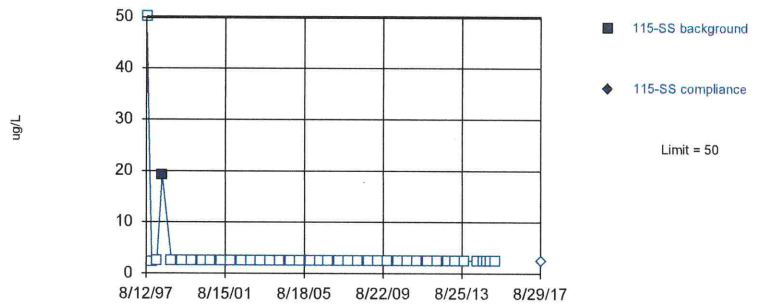
Constituent: Selenium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

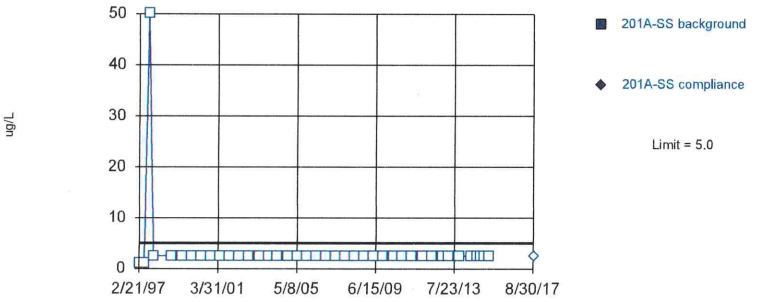
Constituent: Selenium Total Analysis Run 9/20/2017 3:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

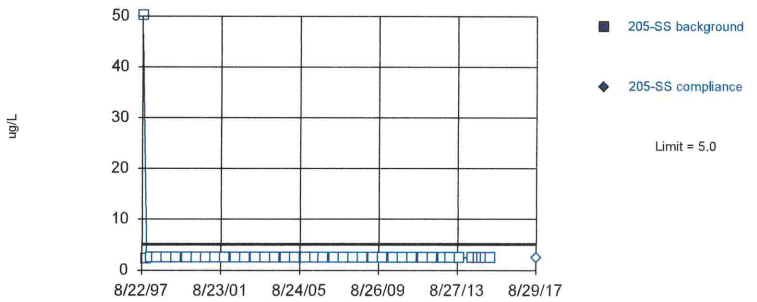
Constituent: Selenium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

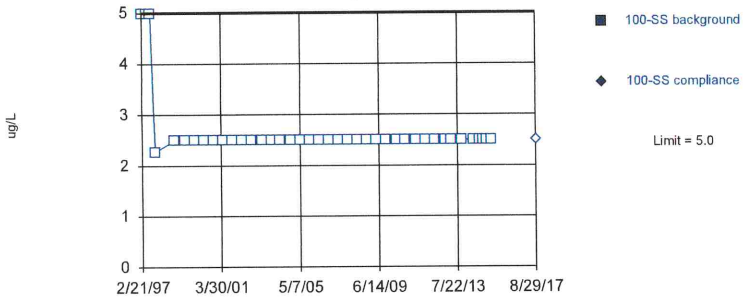
Constituent: Selenium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

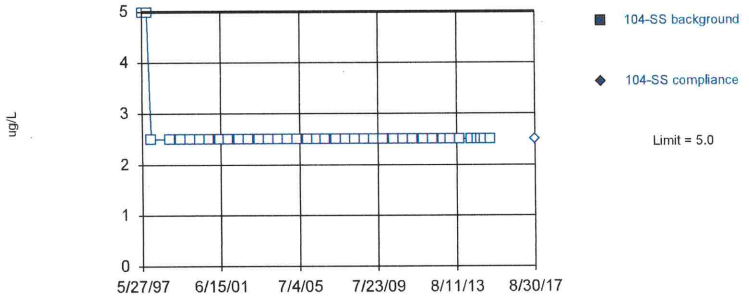
Constituent: Silver Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 39) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004868. Individual comparison alpha = 0.001219 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

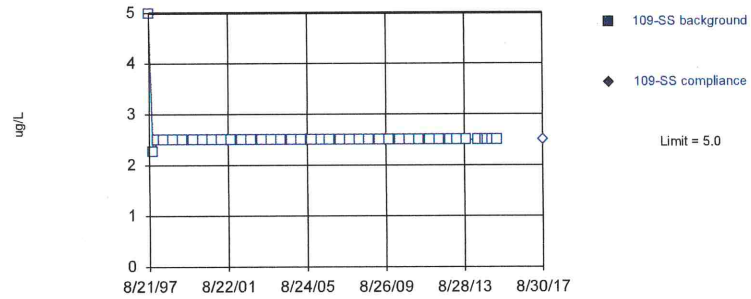
Constituent: Silver Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

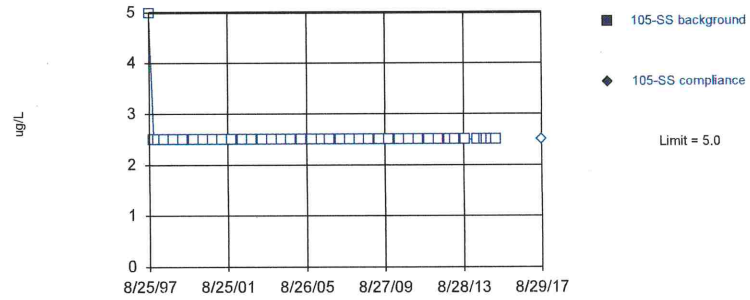
Constituent: Silver Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

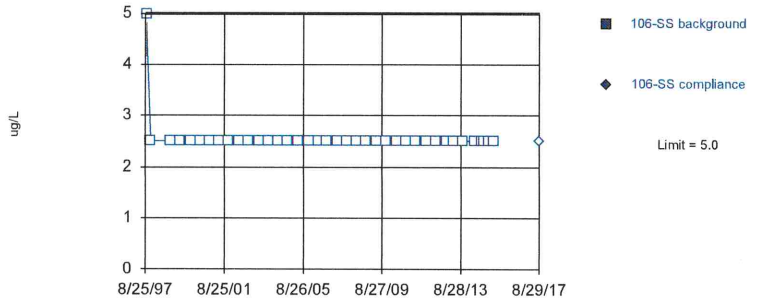
Constituent: Silver Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005135. Individual comparison alpha = 0.001286 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

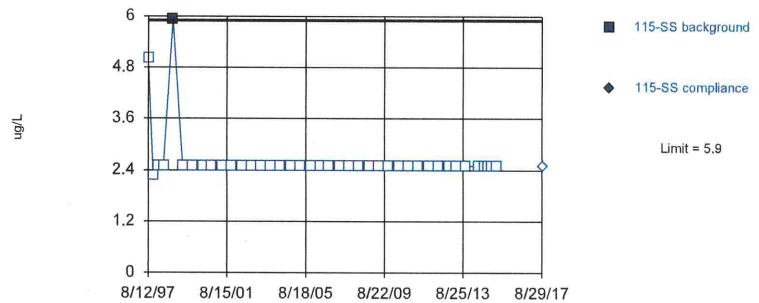
Constituent: Silver Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

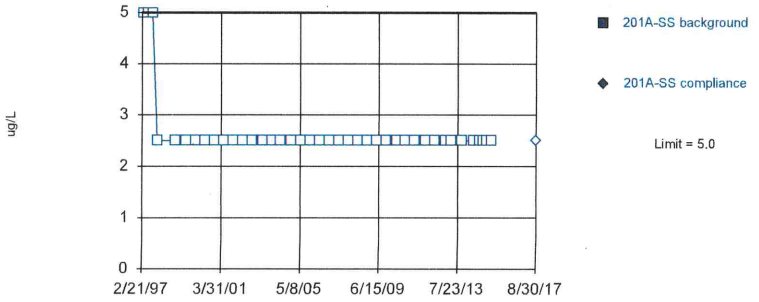
Constituent: Silver Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

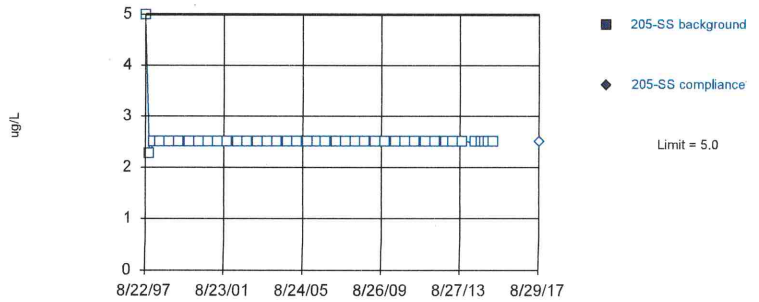
Constituent: Silver Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

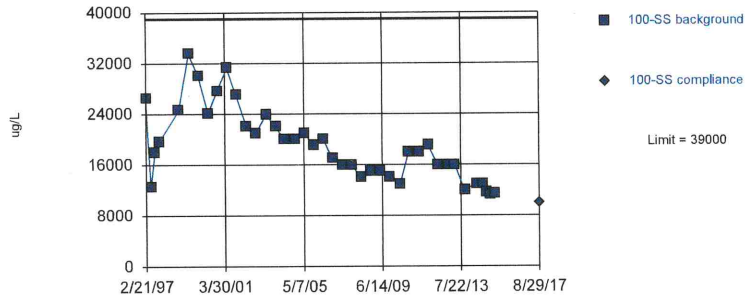
Constituent: Silver Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=9.808, Std. Dev.=0.295, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9631, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/20/2017 3:21 PM

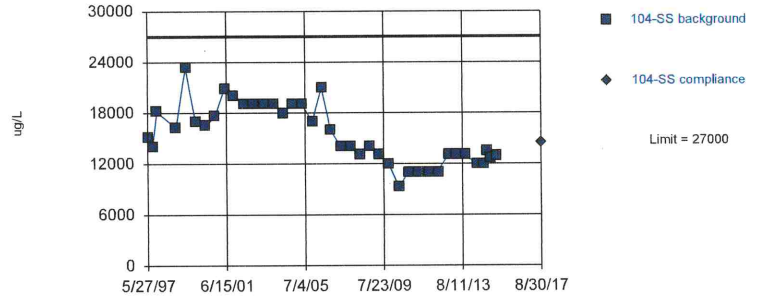
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=9.617, Std. Dev.=0.2257, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 34800 (2/17/1997).

Constituent: Sodium Total Analysis Run 9/20/2017 3:21 PM

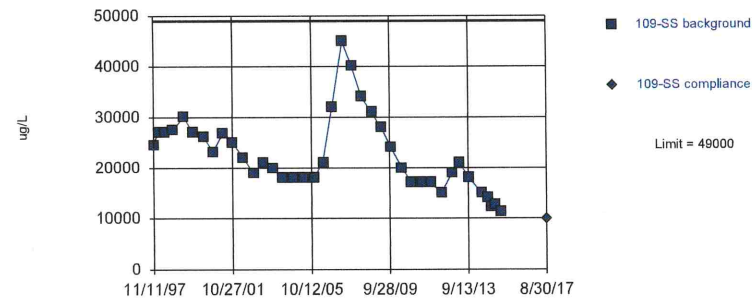
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=9.978, Std. Dev.=0.3165, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9835, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 68000 (8/21/1997).

Constituent: Sodium Total Analysis Run 9/20/2017 3:21 PM

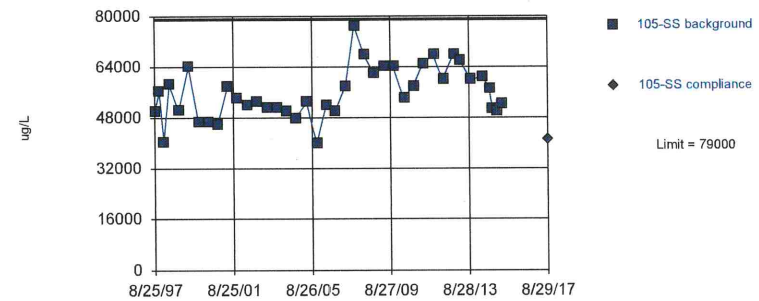
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=38.14, Std. Dev.=1.825, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9771, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/20/2017 3:21 PM

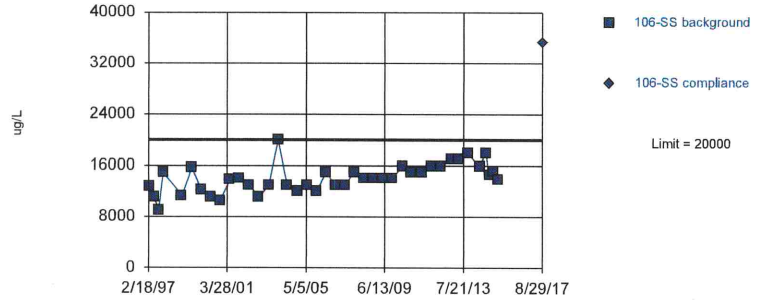
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=118.3, Std. Dev.=9.566, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9881, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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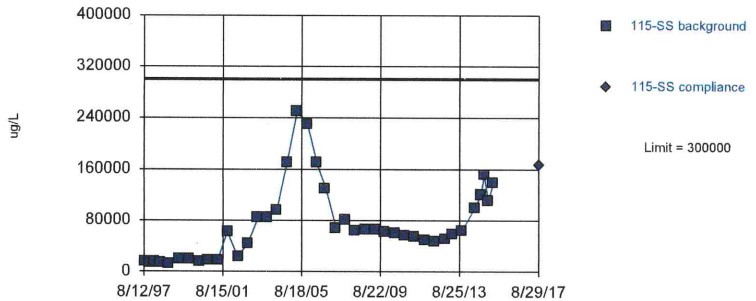
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=39.3, Std. Dev.=10.78, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9386, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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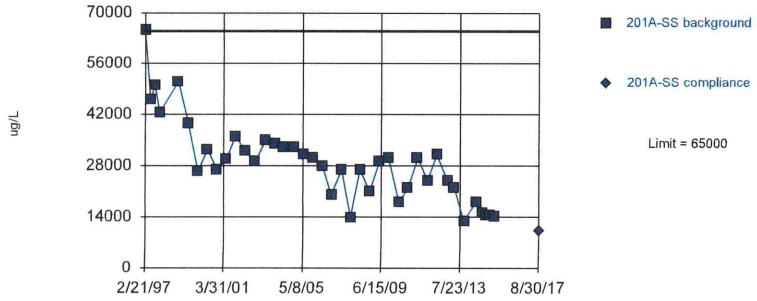
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=30.24, Std. Dev.=3.85, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9625, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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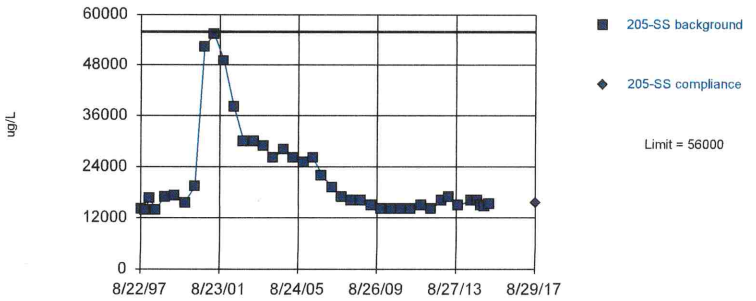
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Sodium Total Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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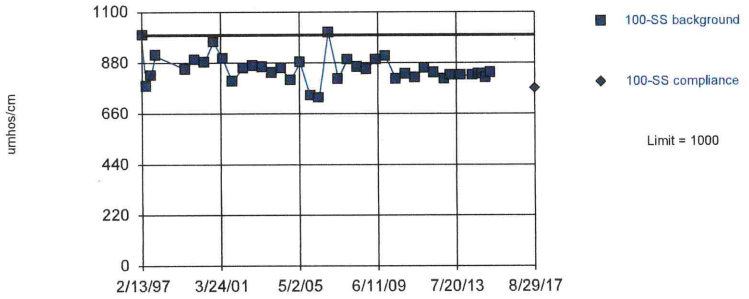
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.746, Std. Dev.=0.06655, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9425, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 1080 (11/12/1998).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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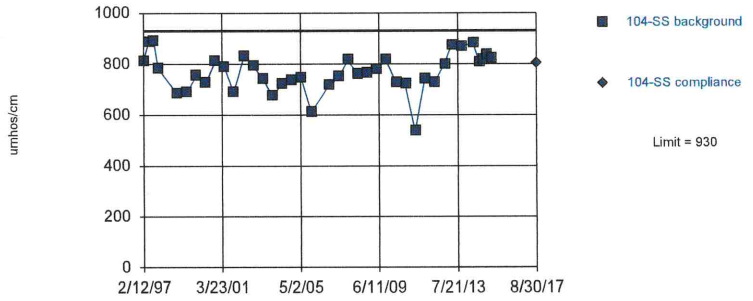
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=4.6e8, Std. Dev.=1.3e8, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 468 (5/25/2006).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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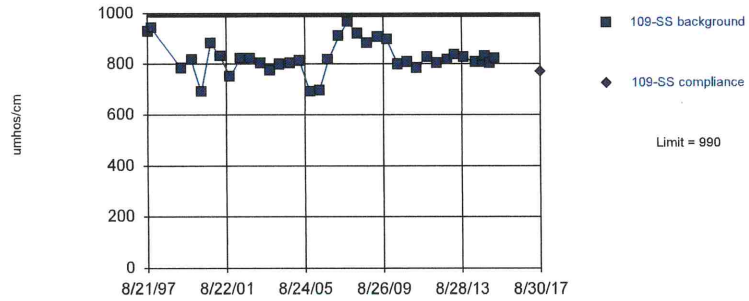
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=824, Std. Dev.=63.94, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.922, critical = 0.914. Kappa = 2.62 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. Three background outliers were removed: 1270 (2/13/1998); 1260 (5/29/1998); 1190 (11/14/1998).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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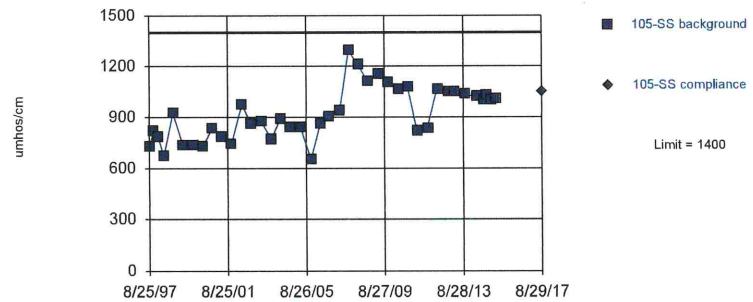
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.811, Std. Dev.=0.1679, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9706, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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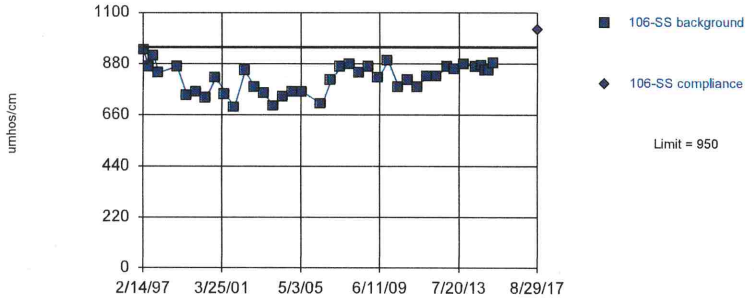
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=4.6e11, Std. Dev.=1.3e11, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9572, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 595 (11/29/2005).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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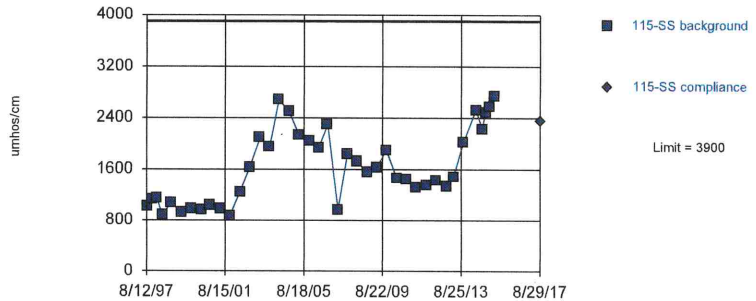
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=7.338, Std. Dev.=0.3579, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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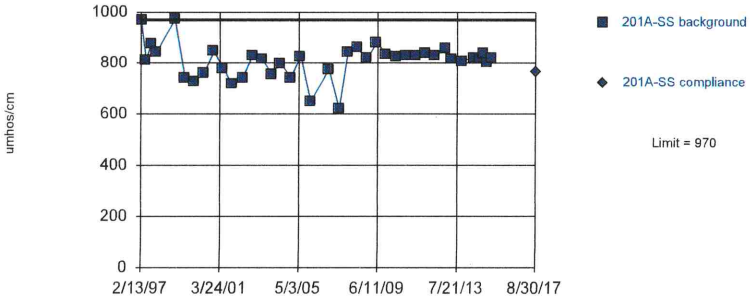
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=660296, Std. Dev.=108124, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9237, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 465 (5/25/2006).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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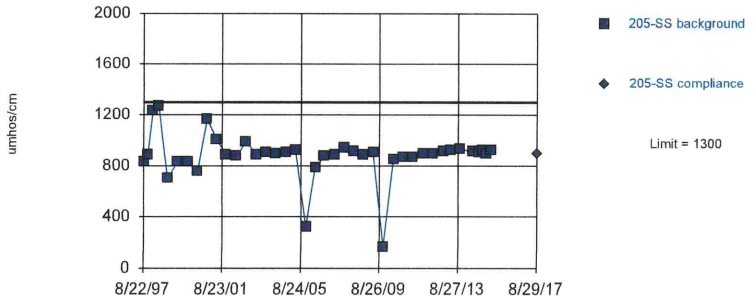
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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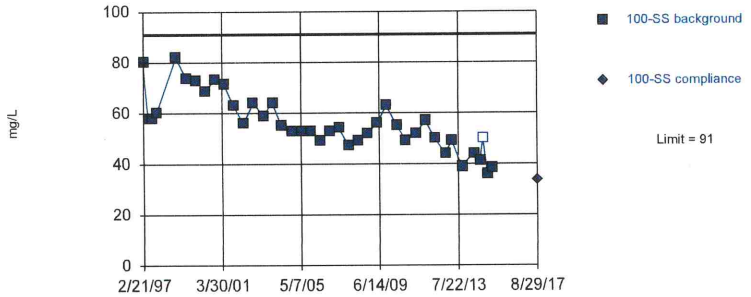
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=4.009, Std. Dev.=0.1952, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9761, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sulfate Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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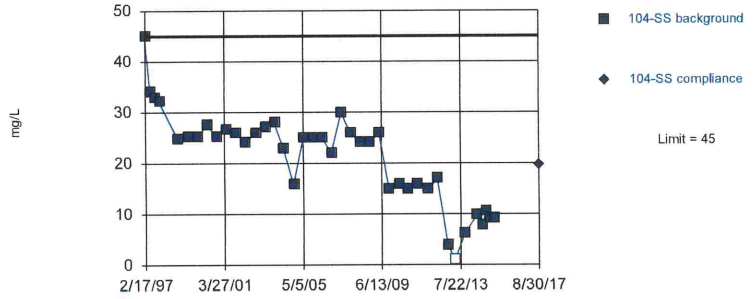
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=21.19, Std. Dev.=9.203, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9462, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

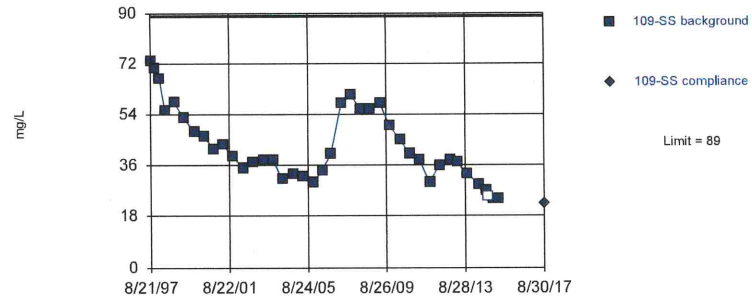
Constituent: Sulfate Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=3.71, Std. Dev.=0.2988, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9625, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

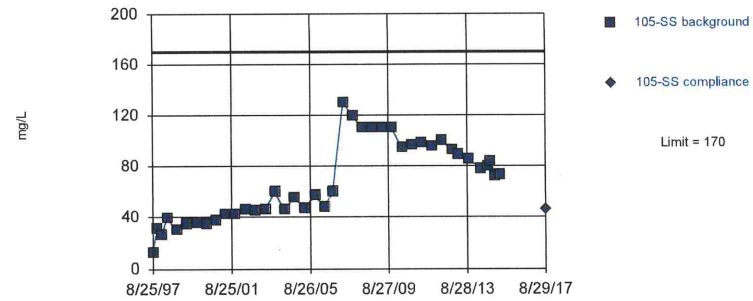
Constituent: Sulfate Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=8, Std. Dev.=1.922, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9522, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Sulfate Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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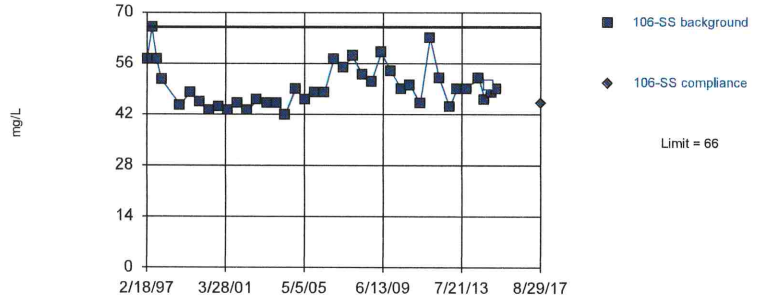
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=3.901, Std. Dev.=0.1104, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9379, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sulfate Analysis Run 9/20/2017 3:21 PM

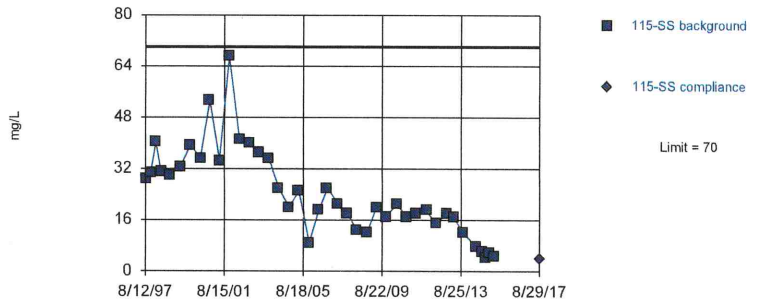
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=4.715, Std. Dev.=1.41, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.977, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sulfate Analysis Run 9/20/2017 3:21 PM

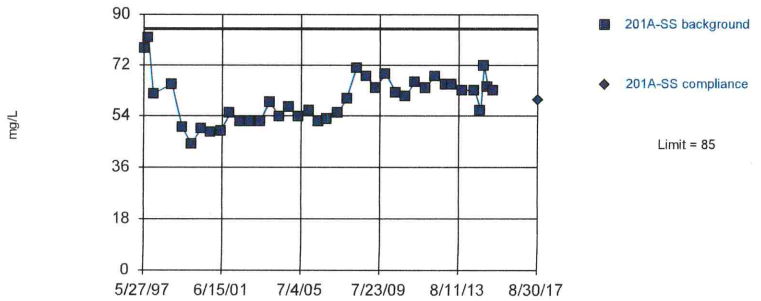
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=4.087, Std. Dev.=0.1382, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9805, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 99 (2/21/1997).

Constituent: Sulfate Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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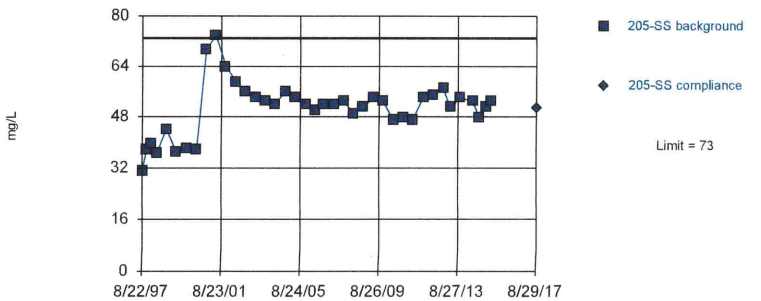
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=50.72, Std. Dev.=8.593, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9306, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 109 (11/20/2014).

Constituent: Sulfate Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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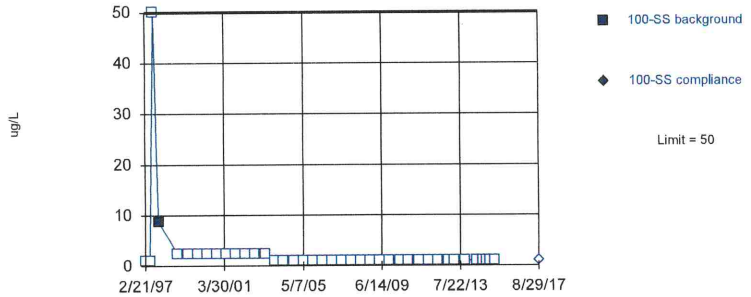
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

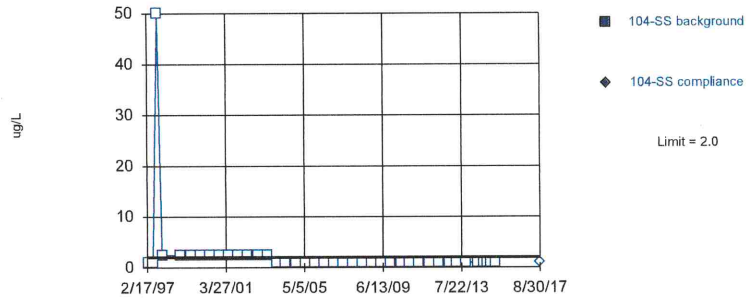
Constituent: Thallium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

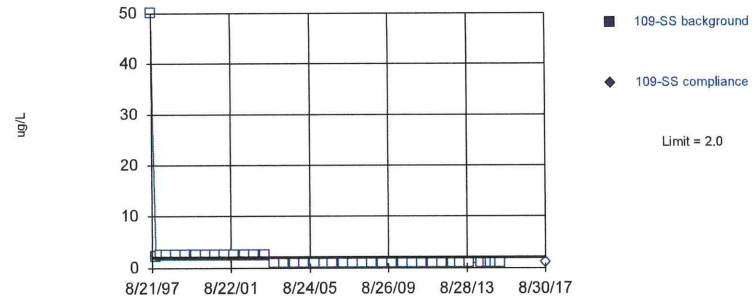
Constituent: Thallium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

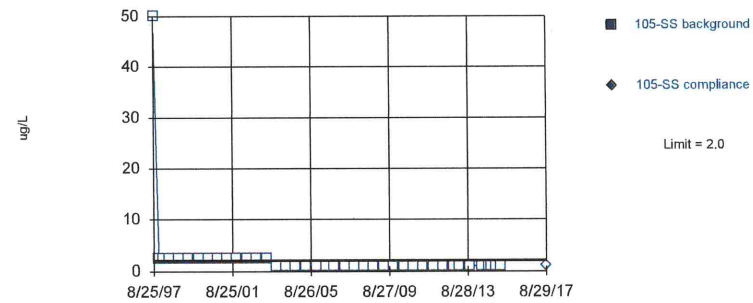
Constituent: Thallium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

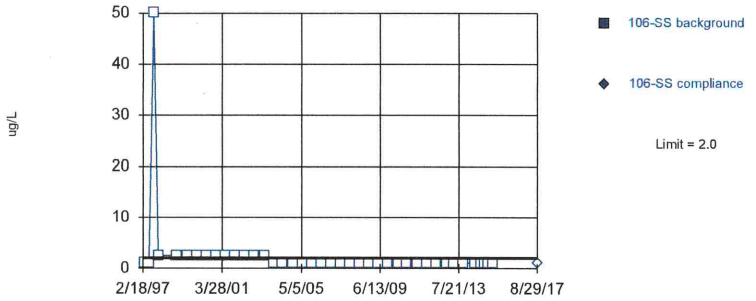
Constituent: Thallium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Thallium Total Analysis Run 9/20/2017 3:21 PM

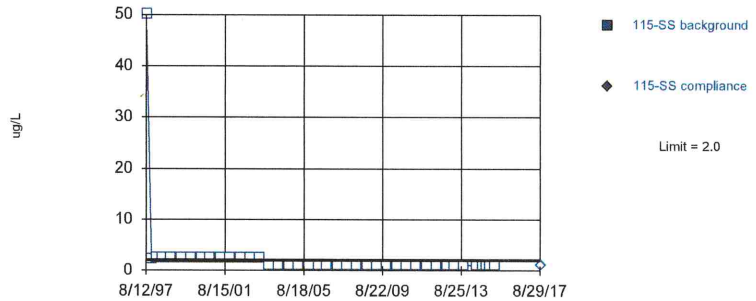
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Thallium Total Analysis Run 9/20/2017 3:21 PM

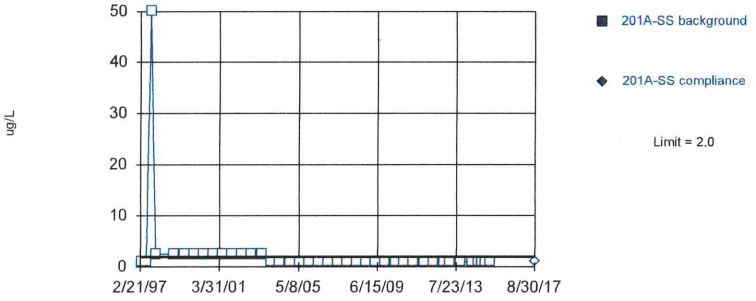
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Thallium Total Analysis Run 9/20/2017 3:21 PM

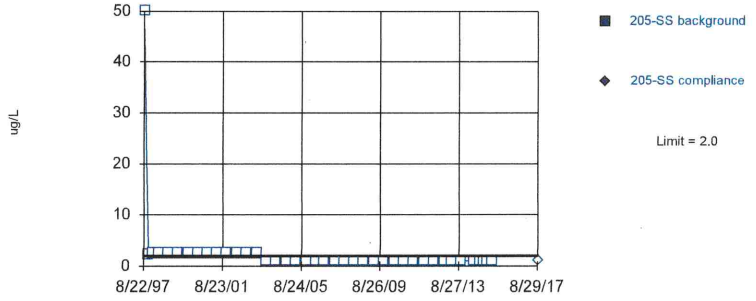
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Thallium Total Analysis Run 9/20/2017 3:21 PM

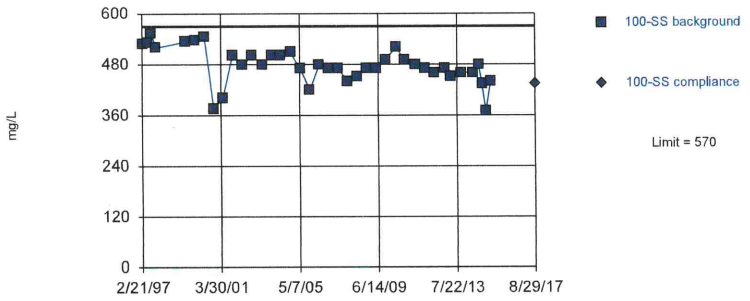
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.1e8, Std. Dev.=2.8e7, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9731, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 748 (11/12/1998).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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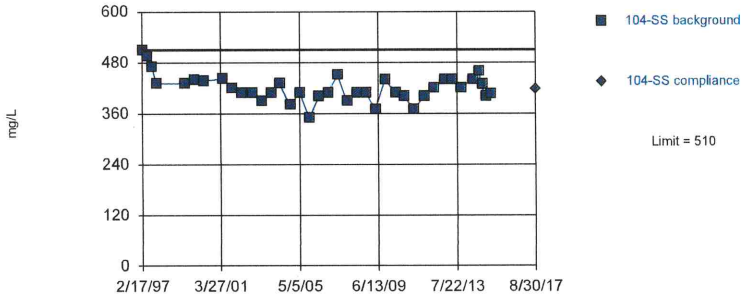
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.039, Std. Dev.=0.07516, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.916. Kappa = 2.611 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. Two background outliers were removed: 664 (11/11/1998); 257 (11/13/2000).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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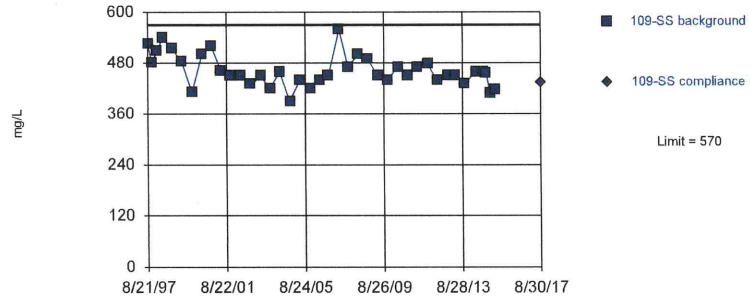
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.134, Std. Dev.=0.07956, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9735, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

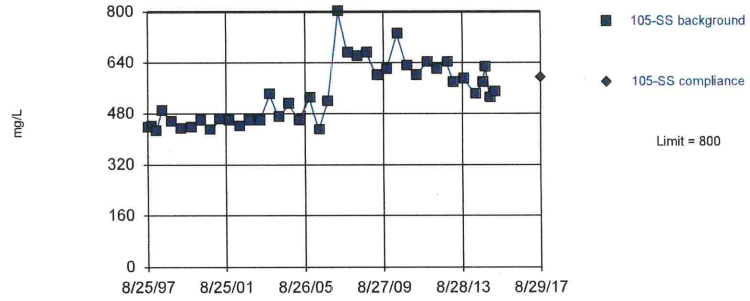
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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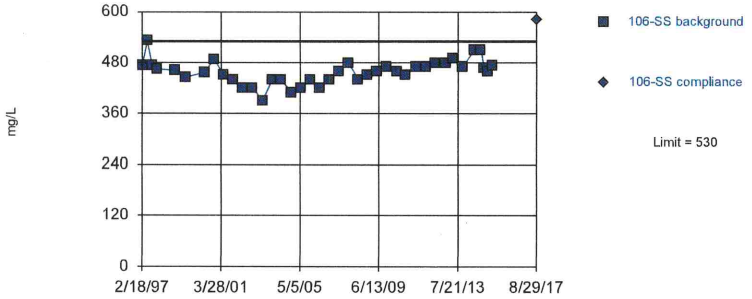
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=21.4, Std. Dev.=0.6626, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9799, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 244 (11/19/1999).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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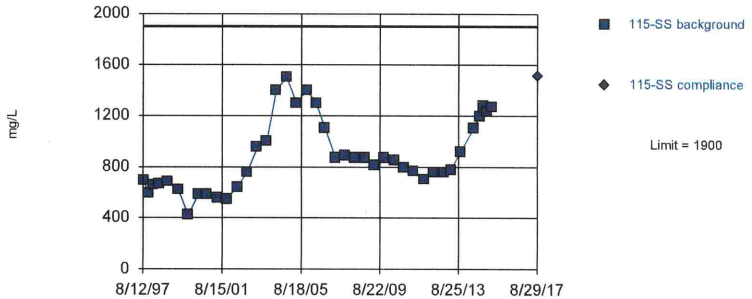
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.742, Std. Dev.=0.3108, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 3:21 PM

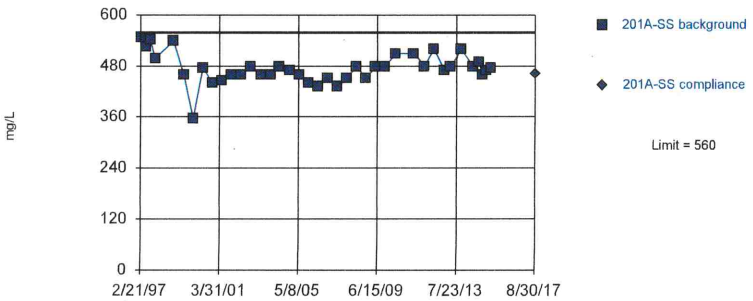
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=226671, Std. Dev.=33845, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9444, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 820 (11/10/2010).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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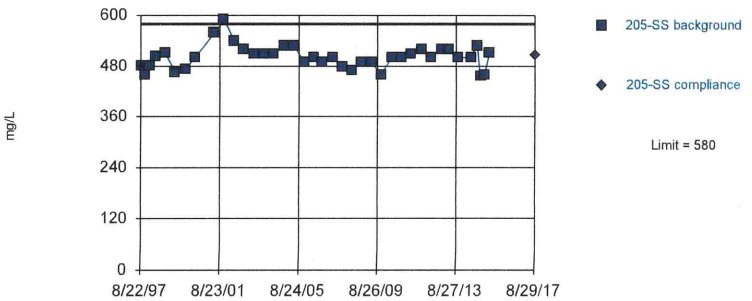
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.217, Std. Dev.=0.05445, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9584, critical = 0.917. Kappa = 2.601 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 611 (11/14/2000).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 3:21 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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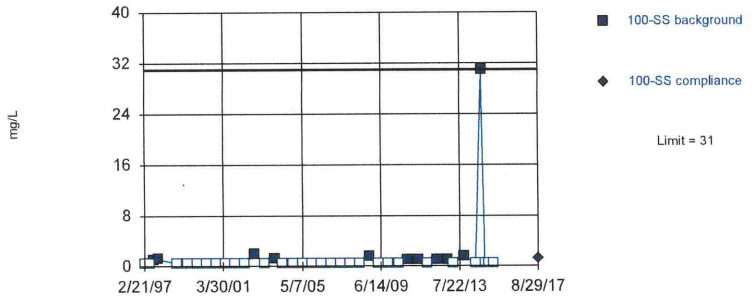
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 72.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

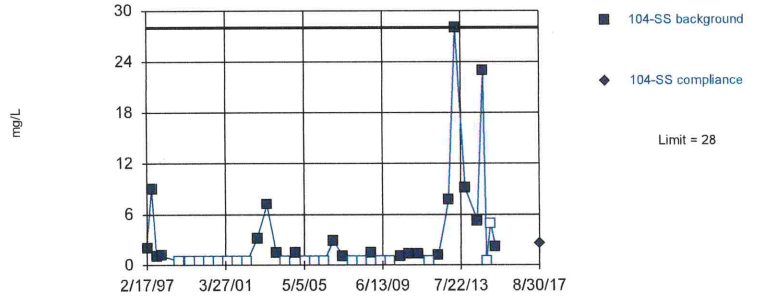
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 47.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

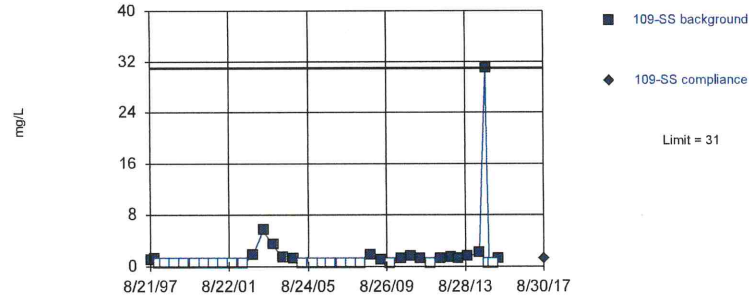
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 52.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

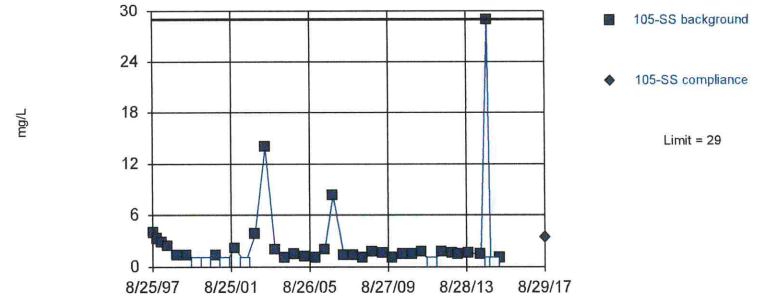
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 17.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

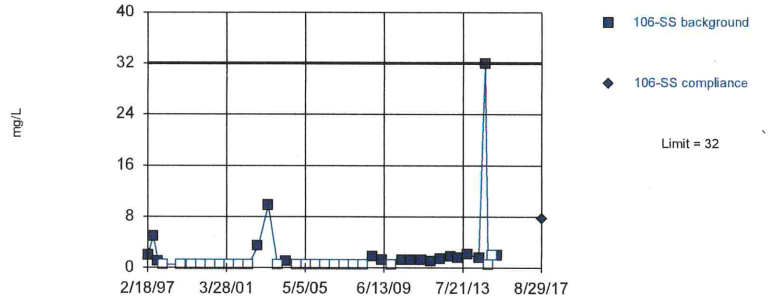
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 52.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

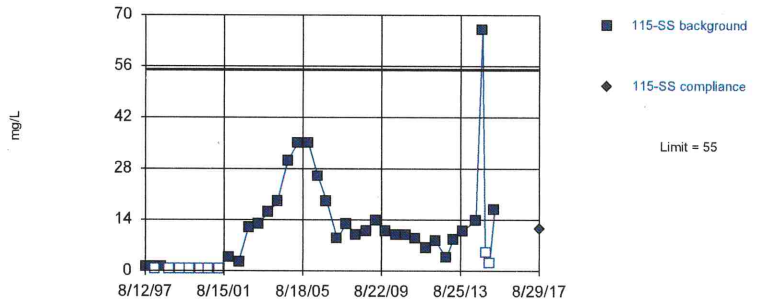
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.813, Std. Dev.=0.7701, n=40, 22.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.935, critical = 0.919. Kappa = 2.592 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. After outlier removal distribution was non-normal, so outlier results were invalidated.

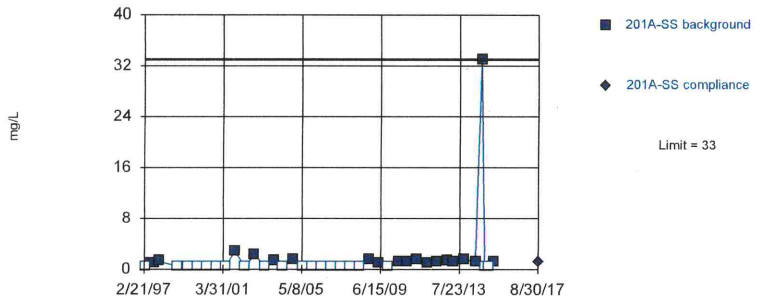
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 50% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

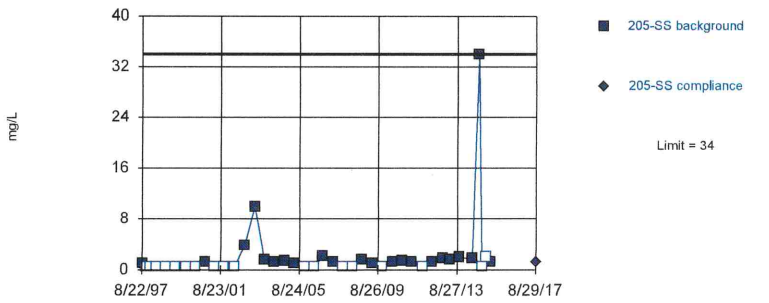
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 45% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

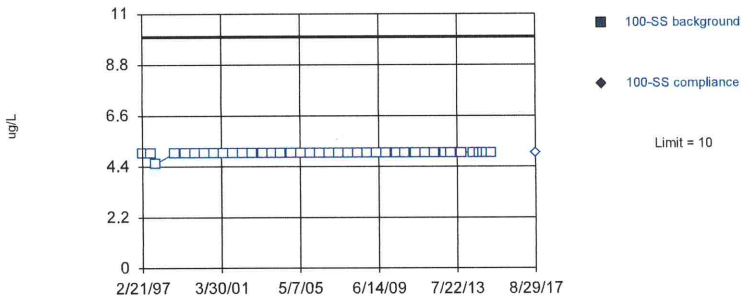
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

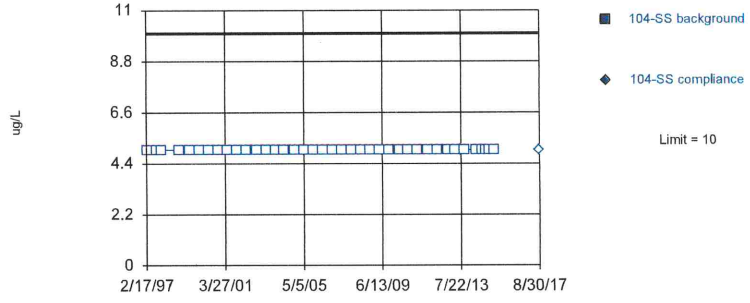
Constituent: Vanadium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

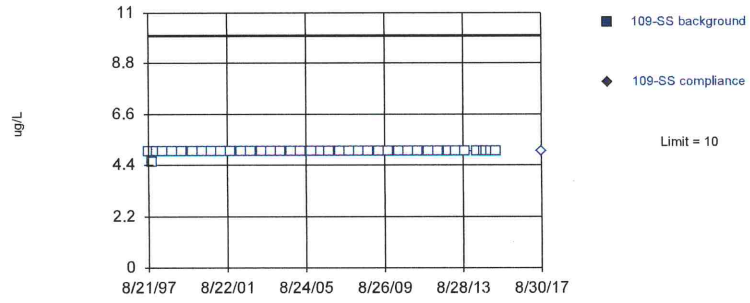
Constituent: Vanadium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

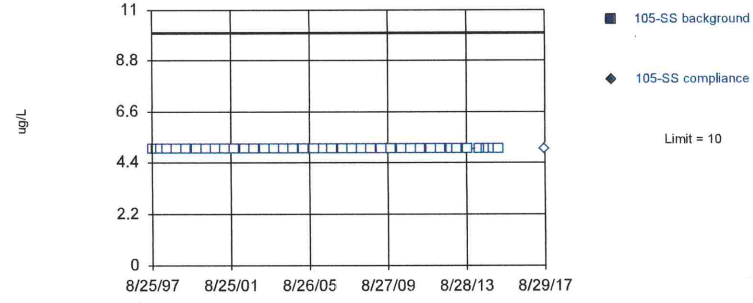
Constituent: Vanadium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

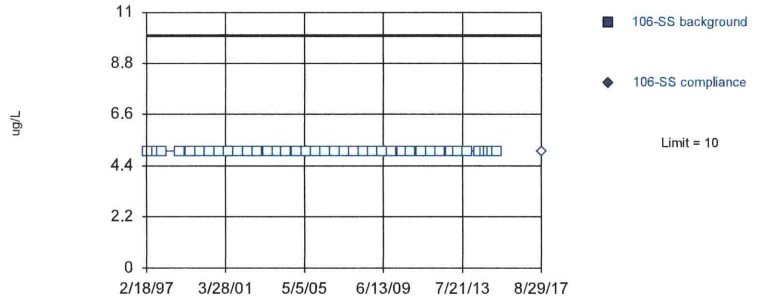
Constituent: Vanadium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

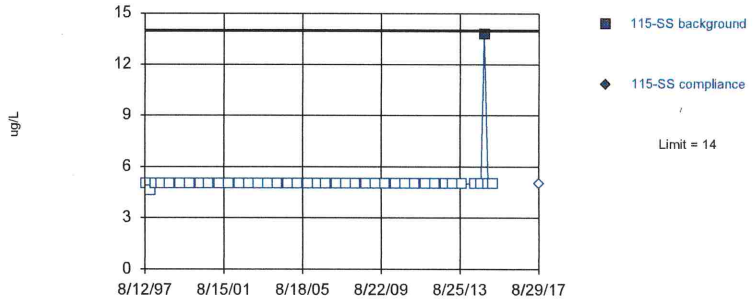
Constituent: Vanadium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Vanadium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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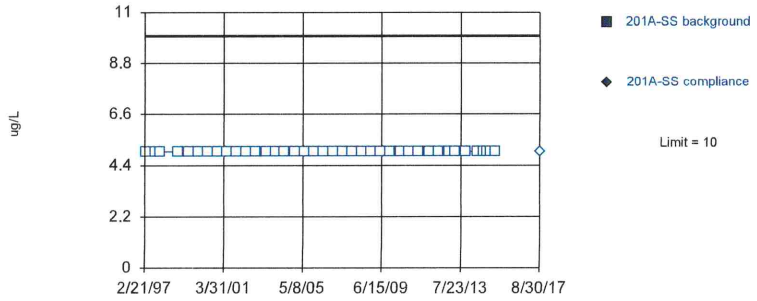
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Vanadium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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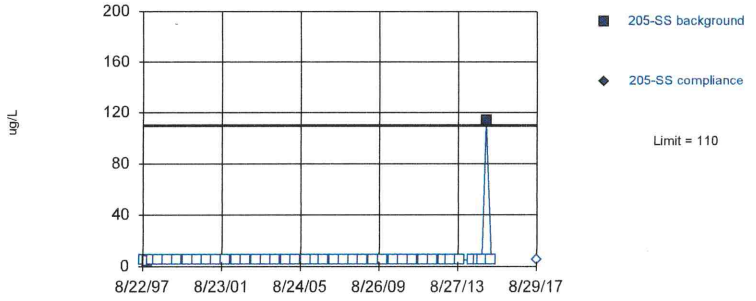
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Vanadium Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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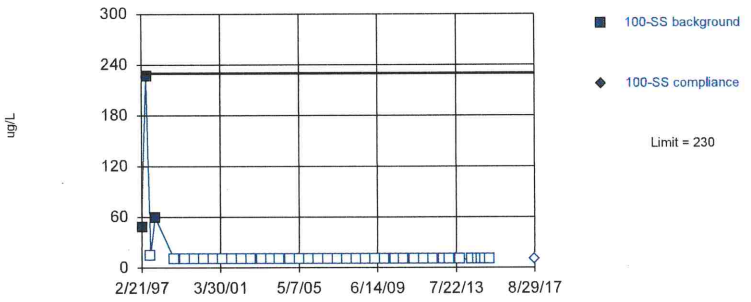
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Zinc Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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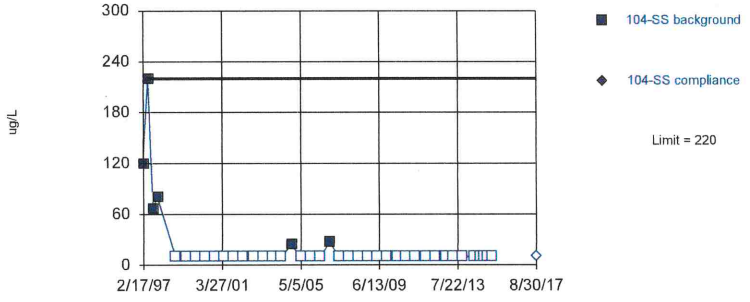
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 85% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Zinc Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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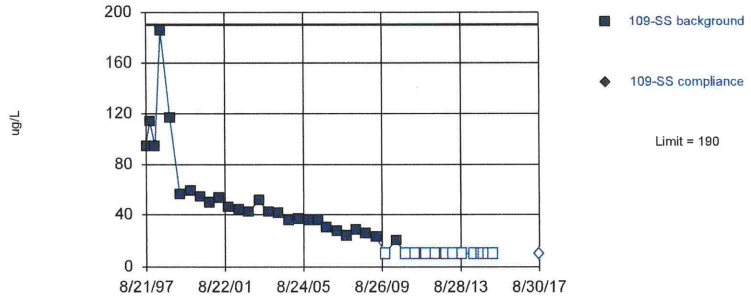
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 32.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Zinc Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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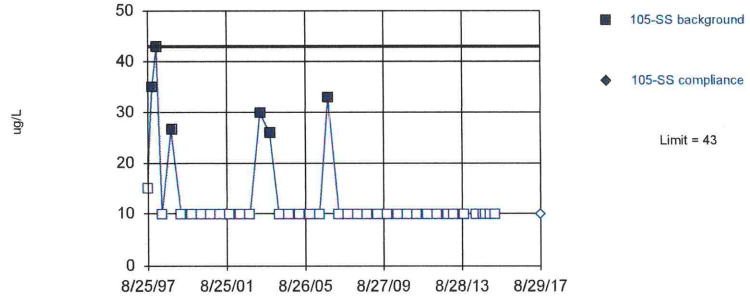
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 85% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

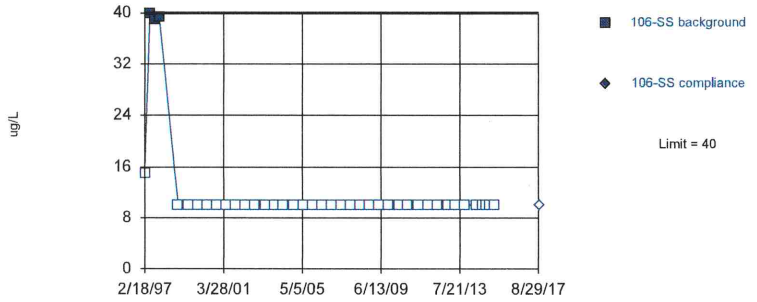
Constituent: Zinc Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

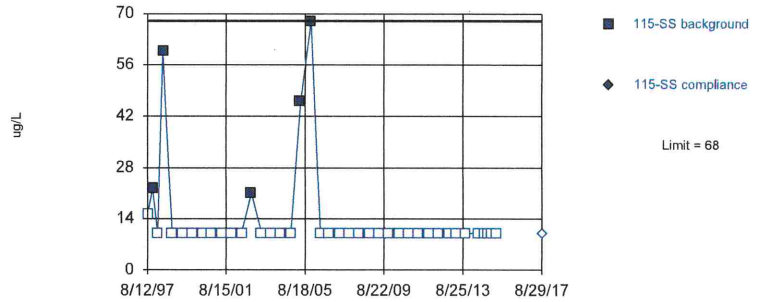
Constituent: Zinc Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

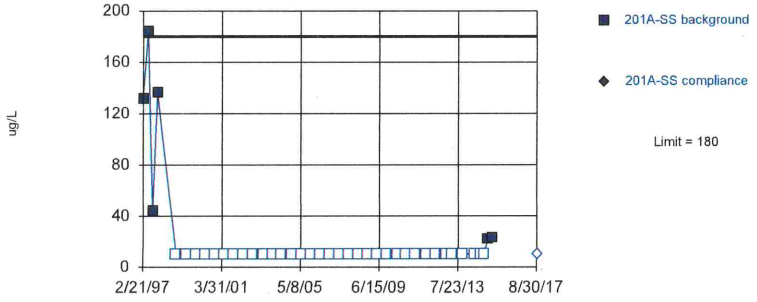
Constituent: Zinc Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 85% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

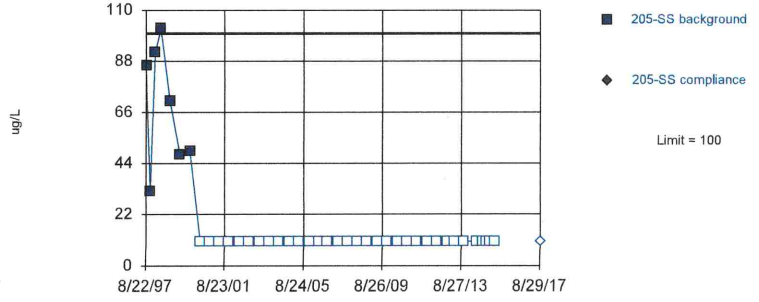
Constituent: Zinc Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Zinc Total Analysis Run 9/20/2017 3:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/27/2017, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic Total (ug/L)	115-SS	19	n/a	8/29/2017	7	No	39	n/a	n/a	56.41	n/a	n/a	0.001219	NP Intra (NDs) 1 of 2
Barium Total (ug/L)	104-SS	110	n/a	8/30/2017	102	No	36	8075	1743	0	None	x^2	0.00009683	Param Intra 1 of 2
Barium Total (ug/L)	105-SS	190	n/a	8/29/2017	174	No	13	4.594	0.3338	0	None	x^(1/3)	0.00009683	Param Intra 1 of 2
Barium Total (ug/L)	115-SS	600	n/a	8/29/2017	486	No	35	228	139.9	0	None	No	0.00009683	Param Intra 1 of 2
Barium Total (ug/L)	205-SS	180	n/a	8/29/2017	141	No	39	n/a	n/a	0	n/a	n/a	0.001219	NP Intra (normality) 1 of 2
Boron Total (ug/L)	100-SS	140	n/a	8/29/2017	116	No	32	1.7e8	9.7e7	12.5	None	x^4	0.00009683	Param Intra 1 of 2
Boron Total (ug/L)	104-SS	160	n/a	8/30/2017	140	No	20	n/a	n/a	40	n/a	n/a	0.004219	NP Intra (normality) 1 of 2
Boron Total (ug/L)	115-SS	1000	n/a	8/29/2017	443	No	36	n/a	n/a	30.56	n/a	n/a	0.00142	NP Intra (normality) 1 of 2
Calcium Total (ug/L)	**105-SS**	**86000**	**n/a**	**8/29/2017**	**104000**	**Yes**	**11**	**11.08**	**0.07786**	**0**	**None**	**ln(x)**	**0.00009683**	**Param Intra 1 of 2**
Calcium Total (ug/L)	106-SS	110000	n/a	8/29/2017	107000	No	29	11.46	0.06699	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Calcium Total (ug/L)	115-SS	350000	n/a	8/29/2017	224000	No	36	11.89	0.3286	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Calcium Total (ug/L)	201A-SS	100000	n/a	8/30/2017	94600	No	22	85186	6232	0	None	No	0.00009683	Param Intra 1 of 2
Calcium Total (ug/L)	205-SS	100000	n/a	8/29/2017	99100	No	27	n/a	n/a	0	n/a	n/a	0.002475	NP Intra (normality) 1 of 2
Chloride (mg/L)	104-SS	5.0	n/a	8/30/2017	4.2	No	33	n/a	n/a	48.48	n/a	n/a	0.001688	NP Intra (normality) 1 of 2
Chloride (mg/L)	**105-SS**	**25**	**n/a**	**8/29/2017**	**74.8**	**Yes**	**7**	**2.586**	**0.1213**	**0**	**None**	**ln(x)**	**0.00009683**	**Param Intra 1 of 2**
Chloride (mg/L)	**106-SS**	**17**	**n/a**	**8/29/2017**	**50.7**	**Yes**	**29**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.002152**	**NP Intra (normality) 1 of 2**
Chloride (mg/L)	115-SS	670	n/a	8/29/2017	495	No	37	13.59	4.687	0	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Chloride (mg/L)	201A-SS	4.0	n/a	8/30/2017	4	No	24	n/a	n/a	50	n/a	n/a	0.003083	NP Intra (normality) 1 of 2
Chloride (mg/L)	205-SS	50	n/a	8/29/2017	32	No	32	2.998	0.2584	0	None	x^(1/3)	0.00009683	Param Intra 1 of 2
Fluoride (mg/L)	109-SS	2.6	n/a	8/30/2017	2.3	No	23	4.319	0.8498	0	None	x^2	0.00009683	Param Intra 1 of 2
Hardness Total (mg/L)	105-SS	510	n/a	8/29/2017	487	No	15	5.79	0.1385	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Hardness Total (mg/L)	106-SS	500	n/a	8/29/2017	484	No	29	20.59	0.6924	0	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Hardness Total (mg/L)	115-SS	1500	n/a	8/29/2017	992	No	35	6.483	0.3251	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Hardness Total (mg/L)	201A-SS	500	n/a	8/30/2017	425	No	21	19.72	0.9201	0	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Hardness Total (mg/L)	205-SS	520	n/a	8/29/2017	479	No	23	8.0e15	3.9e15	0	None	x^6	0.00009683	Param Intra 1 of 2
Iron Total (ug/L)	**106-SS**	**1400**	**n/a**	**8/29/2017**	**2510**	**Yes**	**26**	**5.605**	**0.5835**	**0**	**None**	**ln(x)**	**0.00009683**	**Param Intra 1 of 2**
Iron Total (ug/L)	115-SS	7200	n/a	8/29/2017	3580	No	24	n/a	n/a	0	n/a	n/a	0.003083	NP Intra (normality) 1 of 2
Magnesium Total (ug/L)	104-SS	55000	n/a	8/30/2017	49000	No	32	1.1e14	2.3e13	0	None	x^3	0.00009683	Param Intra 1 of 2
Magnesium Total (ug/L)	**105-SS**	**47000**	**n/a**	**8/29/2017**	**55200**	**Yes**	**11**	**10.46**	**0.07764**	**0**	**None**	**ln(x)**	**0.00009683**	**Param Intra 1 of 2**
Magnesium Total (ug/L)	106-SS	54000	n/a	8/29/2017	52700	No	25	10.69	0.07281	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Magnesium Total (ug/L)	115-SS	140000	n/a	8/29/2017	105000	No	37	11.23	0.2383	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Magnesium Total (ug/L)	201A-SS	51000	n/a	8/30/2017	45900	No	13	10.57	0.08112	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Magnesium Total (ug/L)	205-SS	64000	n/a	8/29/2017	56300	No	17	224	9.563	0	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Manganese Total (ug/L)	**115-SS**	**19**	**n/a**	**8/29/2017**	**75.6**	**Yes**	**11**	**8.983**	**2.739**	**9.091**	**None**	**No**	**0.00009683**	**Param Intra 1 of 2**
Nickel Total (ug/L)	115-SS	140	n/a	8/29/2017	68.4	No	37	n/a	n/a	32.43	n/a	n/a	0.001353	NP Intra (normality) 1 of 2
Nitrate/Nitrite (mg/L)	**201A-SS**	**0.33**	**n/a**	**8/30/2017**	**0.35**	**Yes**	**27**	**n/a**	**n/a**	**66.67**	**n/a**	**n/a**	**0.002475**	**NP Intra (NDs) 1 of 2**
pH [Field] (su)	104-SS	8.5	6.2	8/30/2017	6.63	No	35	1.983	0.05825	0	None	ln(x)	0.00004842	Param Intra 1 of 2
pH [Field] (su)	105-SS	8.3	6.7	8/29/2017	7.02	No	32	2.012	0.04035	0	None	ln(x)	0.00004842	Param Intra 1 of 2
pH [Field] (su)	106-SS	8.3	6.3	8/29/2017	6.84	No	31	1.98	0.05226	0	None	ln(x)	0.00004842	Param Intra 1 of 2
pH [Field] (su)	201A-SS	8.5	6.4	8/30/2017	7.1	No	30	1.993	0.05282	0	None	ln(x)	0.00004842	Param Intra 1 of 2
pH [Field] (su)	205-SS	7.9	6.5	8/29/2017	7.02	No	32	1.969	0.03712	0	None	ln(x)	0.00004842	Param Intra 1 of 2
Phosphorus Total (mg/L)	115-SS	0.44	n/a	8/29/2017	0.28	No	31	0.2985	0.1361	12.9	None	sqrt(x)	0.00009683	Param Intra 1 of 2
Sodium Total (ug/L)	105-SS	80000	n/a	8/29/2017	41200	No	29	10.89	0.1457	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Sodium Total (ug/L)	**106-SS**	**17000**	**n/a**	**8/29/2017**	**35300**	**Yes**	**26**	**1.7e8**	**4.0e7**	**0**	**None**	**x^2**	**0.00009683**	**Param Intra 1 of 2**
Sodium Total (ug/L)	115-SS	450000	n/a	8/29/2017	167000	No	35	10.78	0.8461	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	105-SS	1100	n/a	8/29/2017	1053	No	22	813.5	87.59	0	None	No	0.00009683	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	115-SS	3500	n/a	8/29/2017	2350	No	36	7.284	0.335	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Sulfate (mg/L)	105-SS	47	n/a	8/29/2017	46.3	No	8	40346	14371	0	None	x^3	0.00009683	Param Intra 1 of 2
Sulfate (mg/L)	201A-SS	86	n/a	8/30/2017	59.5	No	37	4.083	0.141	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**105-SS**	**540**	**n/a**	**8/29/2017**	**593**	**Yes**	**20**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.004219**	**NP Intra (normality) 1 of 2**

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/27/2017, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	115-SS	1800	n/a	8/29/2017	1510	No	37	6.71	0.3007	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	106-SS	32	n/a	8/29/2017	7.7	No	39	n/a	n/a	53.85	n/a	n/a	0.001219	NP Intra (NDs) 1 of 2
Total Organic Carbon [TOC] (mg/L)	205-SS	10	n/a	8/29/2017	1.3	No	34	n/a	n/a	47.06	n/a	n/a	0.001587	NP Intra (normality) 1 of 2

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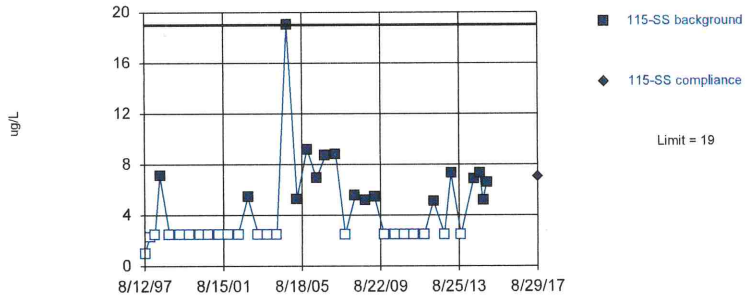
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 56.41% NDs. Well-constituent pair annual alpha = 0.004868. Individual comparison alpha = 0.001219 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/27/2017 8:15 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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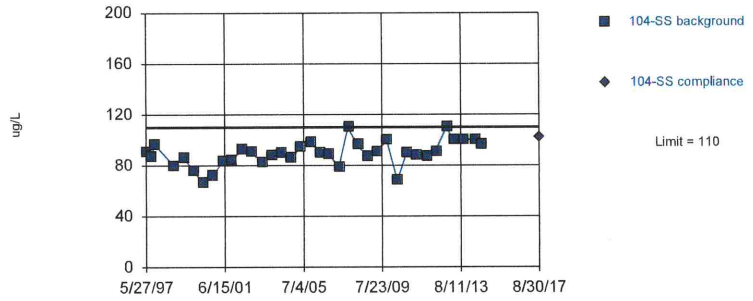
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=8075, Std. Dev.=1743, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9677, critical = 0.912. Kappa = 2.63 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 214 (2/17/1997).

Constituent: Barium Total Analysis Run 9/27/2017 8:16 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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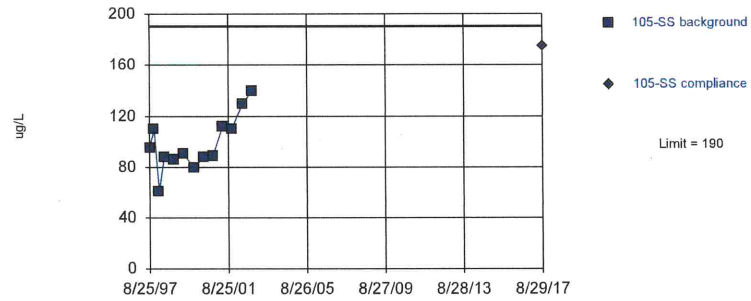
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=4.594, Std. Dev.=0.3338, n=13. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9537, critical = 0.866. Kappa = 3.402 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Barium Total Analysis Run 9/27/2017 8:16 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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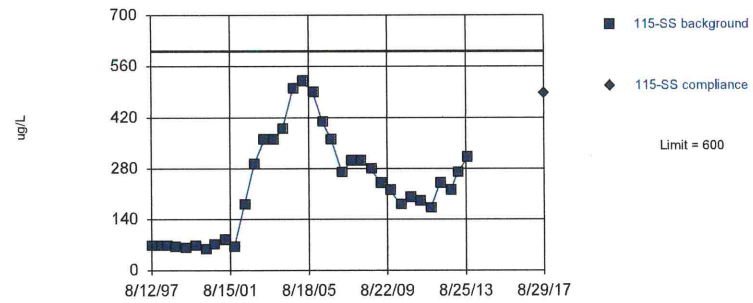
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=228, Std. Dev.=139.9, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9107, critical = 0.91. Kappa = 2.639 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

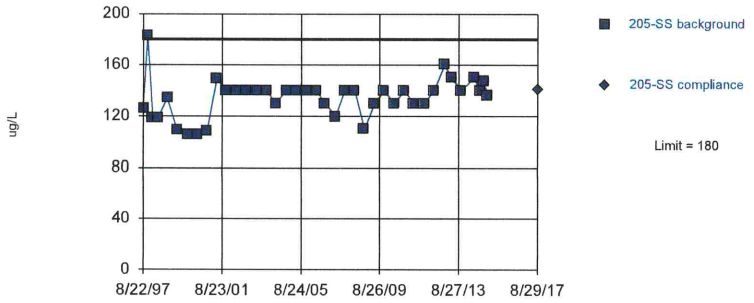
Constituent: Barium Total Analysis Run 9/27/2017 8:16 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 39 background values. Well-constituent pair annual alpha = 0.004868. Individual comparison alpha = 0.001219 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Barium Total Analysis Run 9/27/2017 8:19 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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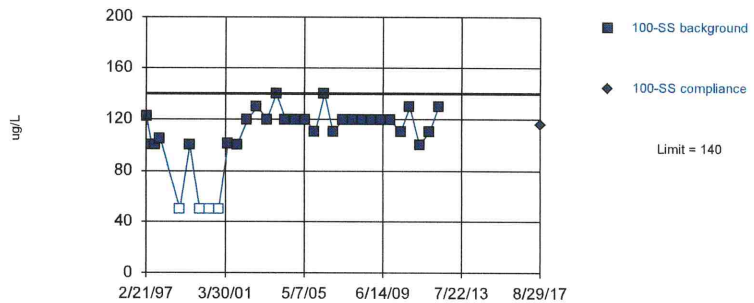
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=1.7e8, Std. Dev.=9.7e7, n=32, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9258, critical = 0.904. Kappa = 2.673 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 9/27/2017 8:19 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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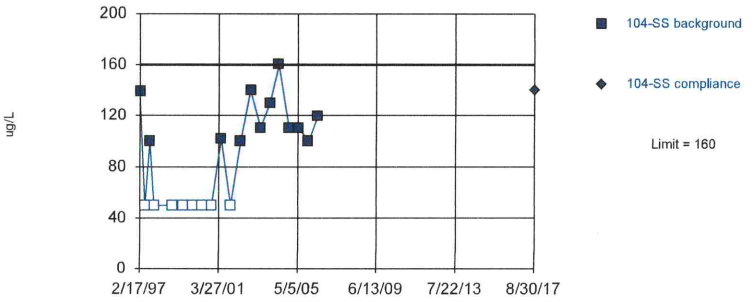
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.01677. Individual comparison alpha = 0.004219 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 9/27/2017 8:19 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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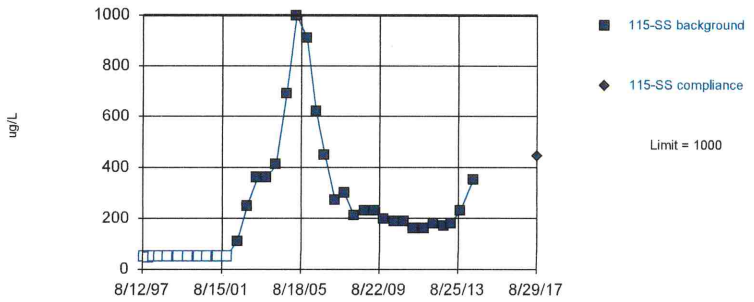
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. 30.56% NDs. Well-constituent pair annual alpha = 0.005668. Individual comparison alpha = 0.00142 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 9/27/2017 8:20 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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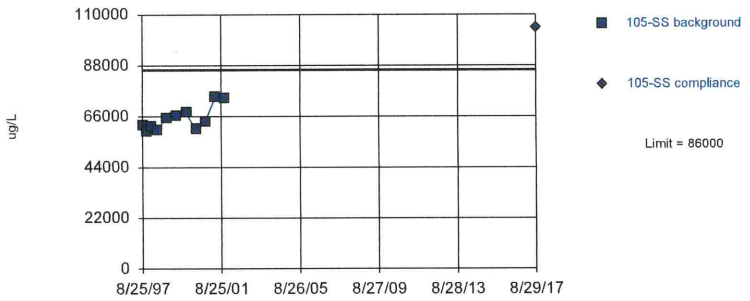
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.08, Std. Dev.=0.07786, n=11. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8783, critical = 0.85. Kappa = 3.677 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Calcium Total Analysis Run 9/27/2017 8:20 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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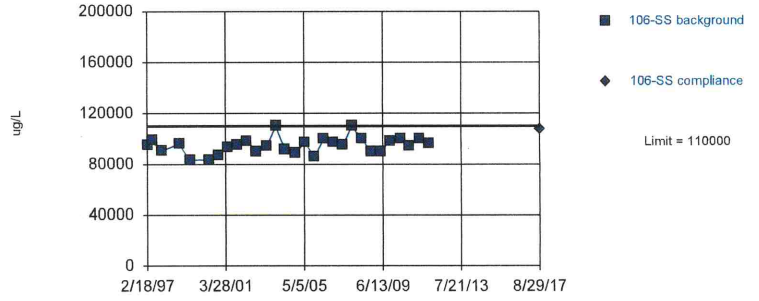
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.46, Std. Dev.=0.06699, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9547, critical = 0.898. Kappa = 2.713 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. Two background outliers were removed: 60000 (8/25/1997); 9000 (11/19/1999).

Constituent: Calcium Total Analysis Run 9/27/2017 8:21 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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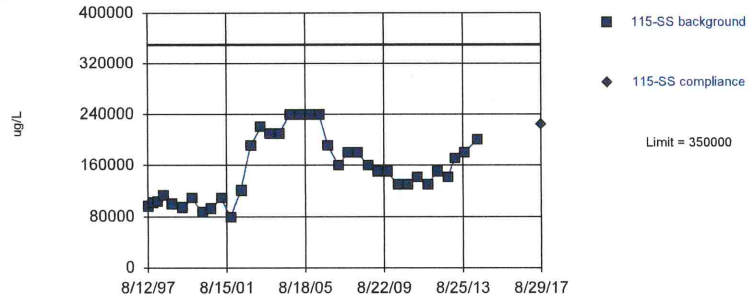
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.89, Std. Dev.=0.3286, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9447, critical = 0.912. Kappa = 2.63 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Calcium Total Analysis Run 9/27/2017 8:21 AM

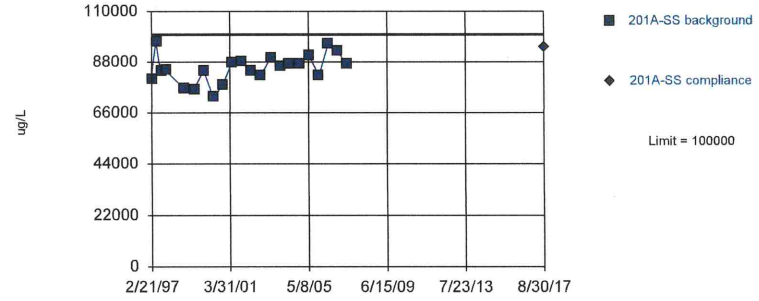
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=85186, Std. Dev.=6232, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9801, critical = 0.878. Kappa = 2.868 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Calcium Total Analysis Run 9/27/2017 8:21 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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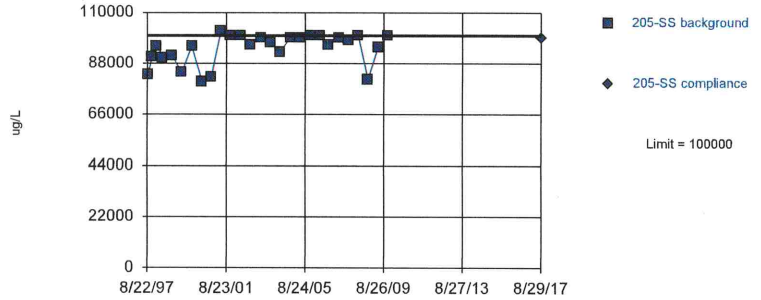
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. Well-constituent pair annual alpha = 0.009865. Individual comparison alpha = 0.002475 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Calcium Total Analysis Run 9/27/2017 8:22 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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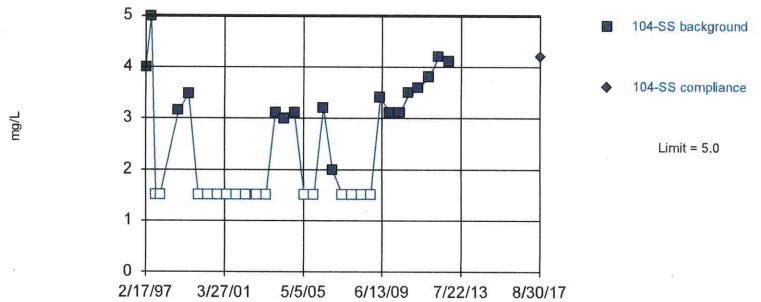
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 48.48% NDs. Well-constituent pair annual alpha = 0.006735. Individual comparison alpha = 0.001688 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/27/2017 8:22 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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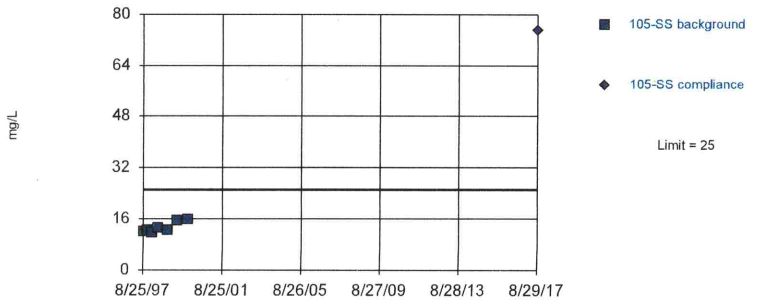
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.586, Std. Dev.=0.1213, n=7. Normality test: Shapiro Wilk @alpha = 0.1, calculated = 0.8516, critical = 0.838. Kappa = 5.312 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chloride Analysis Run 9/27/2017 8:23 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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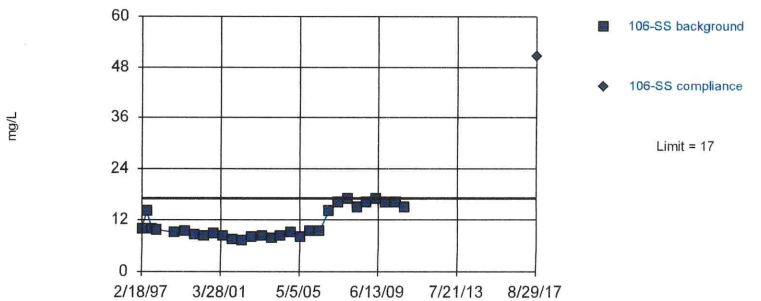
Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. Well-constituent pair annual alpha = 0.00858. Individual comparison alpha = 0.002152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/27/2017 8:23 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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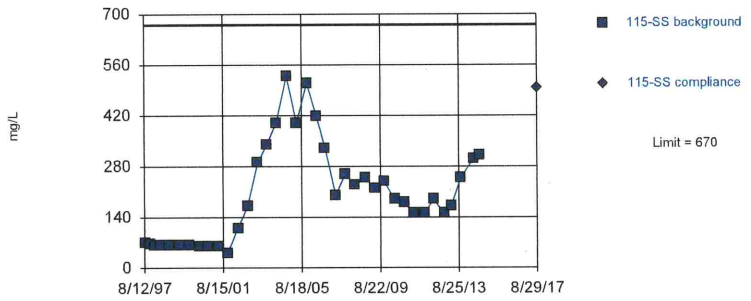
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=13.59, Std. Dev.=4.687, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9332, critical = 0.914. Kappa = 2.62 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chloride Analysis Run 9/27/2017 8:33 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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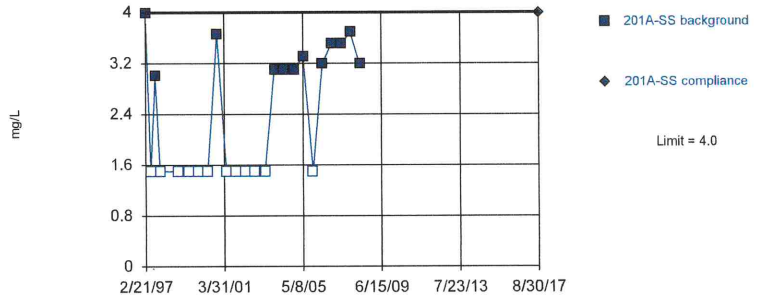
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 50% NDs. Well-constituent pair annual alpha = 0.01227. Individual comparison alpha = 0.003083 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/27/2017 8:34 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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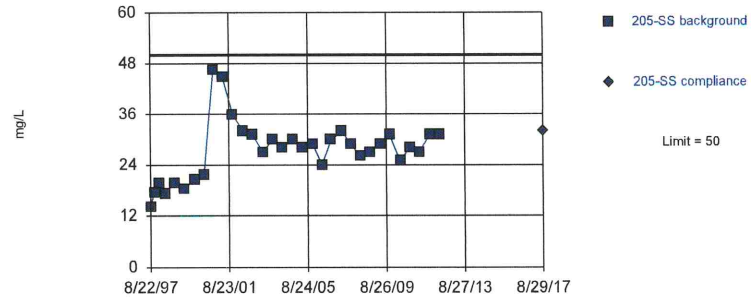
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=2.998, Std. Dev.=0.2584, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9458, critical = 0.904. Kappa = 2.673 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chloride Analysis Run 9/27/2017 8:34 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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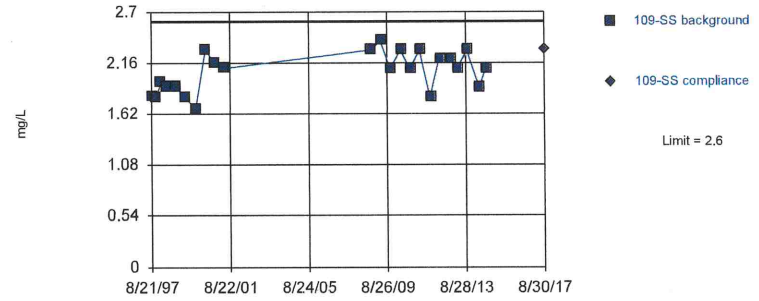
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=4.319, Std. Dev.=0.8498, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.881. Kappa = 2.839 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Fluoride Analysis Run 9/27/2017 8:34 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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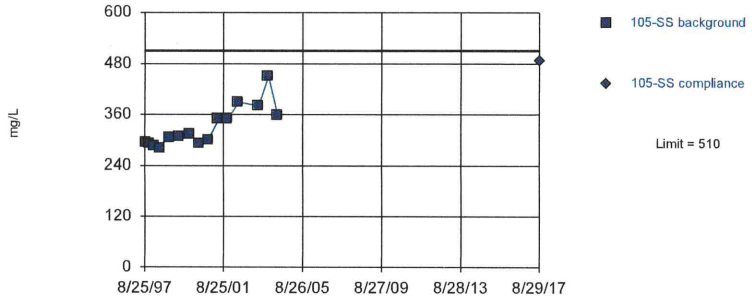
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.79, Std. Dev.=0.1385, n=15. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8889, critical = 0.881. Kappa = 3.211 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Dixon's outlier test was performed on the background data. One background outlier was removed: 130 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/27/2017 8:41 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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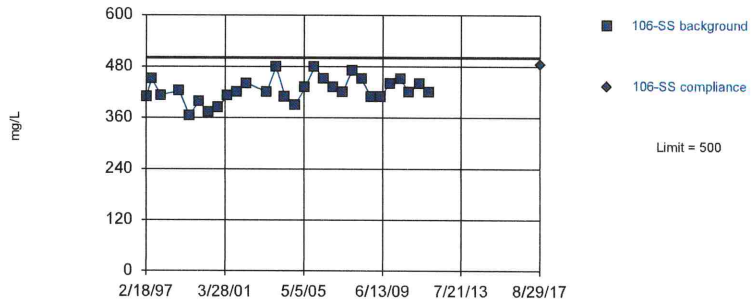
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=20.59, Std. Dev.=0.6924, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9676, critical = 0.898. Kappa = 2.713 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. Two background outliers were removed: 265 (8/25/1997); 130 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/27/2017 8:42 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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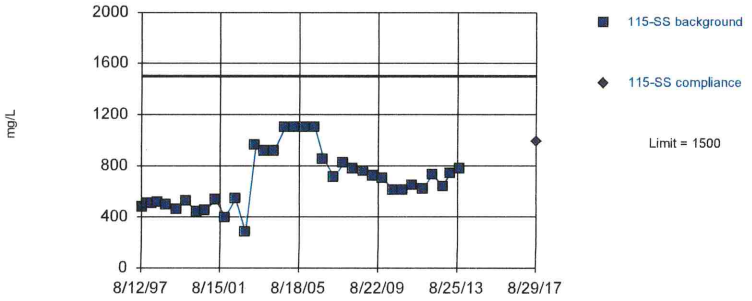
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.483, Std. Dev.=0.3251, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9662, critical = 0.91. Kappa = 2.639 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Hardness Total Analysis Run 9/27/2017 8:42 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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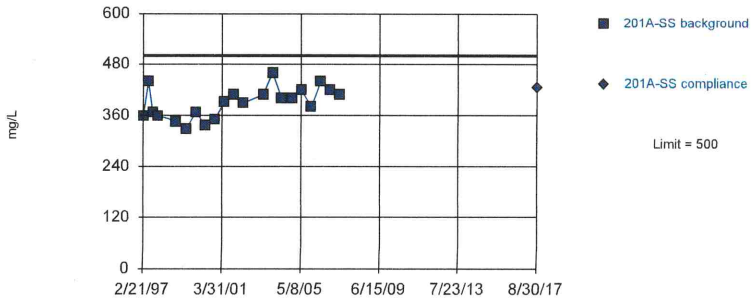
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=19.72, Std. Dev.=0.9201, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9763, critical = 0.873. Kappa = 2.896 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Dixon's outlier test was performed on the background data. One background outlier was removed: 120 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/27/2017 8:43 AM

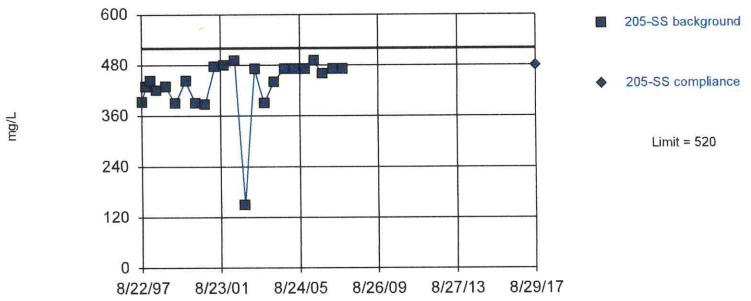
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^6 transformation): Mean=8.0e15, Std. Dev.=3.9e15, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.936, critical = 0.881. Kappa = 2.839 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Hardness Total Analysis Run 9/27/2017 8:44 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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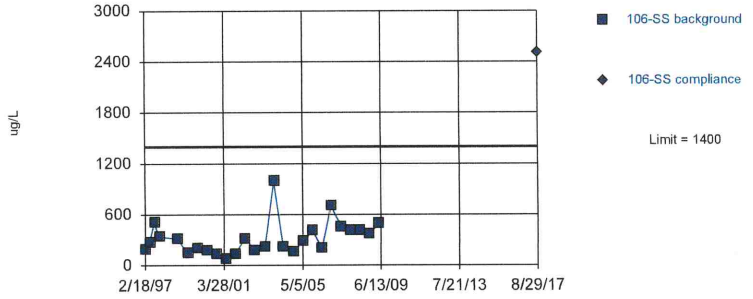
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.605, Std. Dev.=0.5835, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9865, critical = 0.891. Kappa = 2.766 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/27/2017 8:44 AM

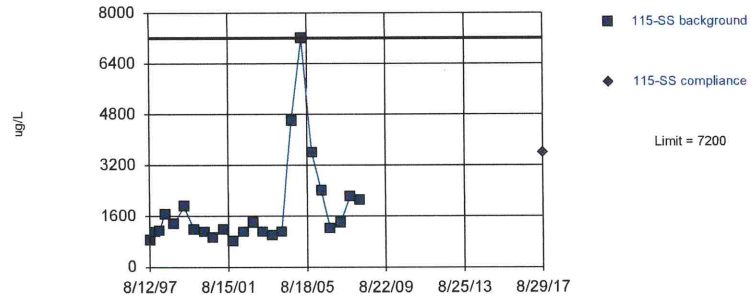
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. Well-constituent pair annual alpha = 0.01227. Individual comparison alpha = 0.003083 (1 of 2). Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

Constituent: Iron Total Analysis Run 9/27/2017 8:45 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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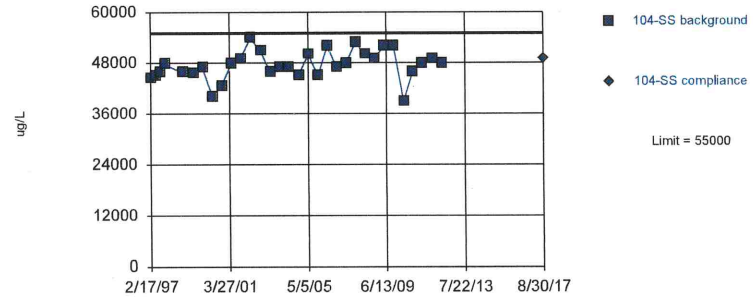
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.1e14, Std. Dev.=2.3e13, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.973, critical = 0.904. Kappa = 2.673 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/27/2017 8:45 AM

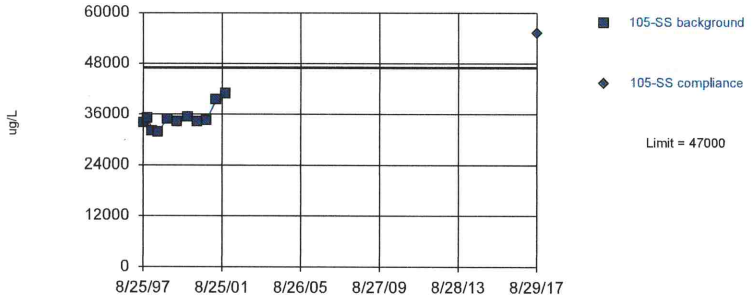
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.46, Std. Dev.=0.07764, n=11. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8517, critical = 0.85. Kappa = 3.677 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/27/2017 8:45 AM

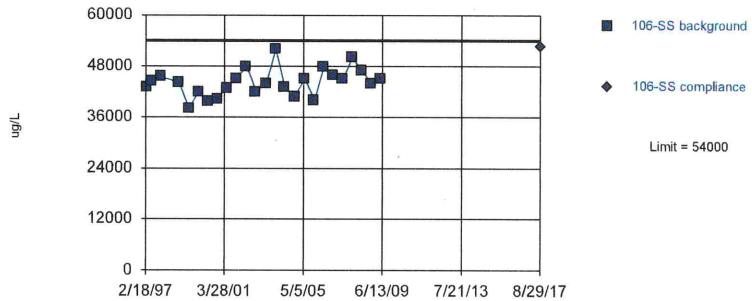
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.69, Std. Dev.=0.07281, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9844, critical = 0.888. Kappa = 2.783 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 28000 (8/25/1997).

Constituent: Magnesium Total Analysis Run 9/27/2017 8:46 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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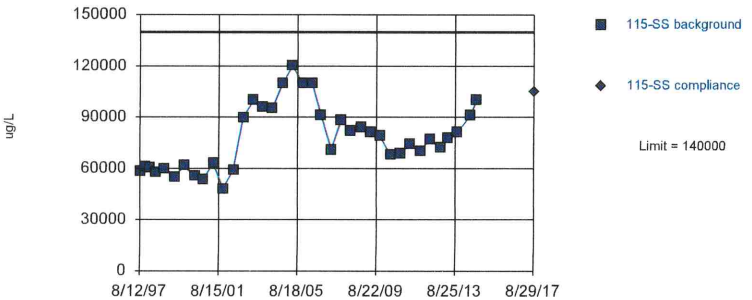
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.23, Std. Dev.=0.2383, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9667, critical = 0.914. Kappa = 2.62 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/27/2017 8:46 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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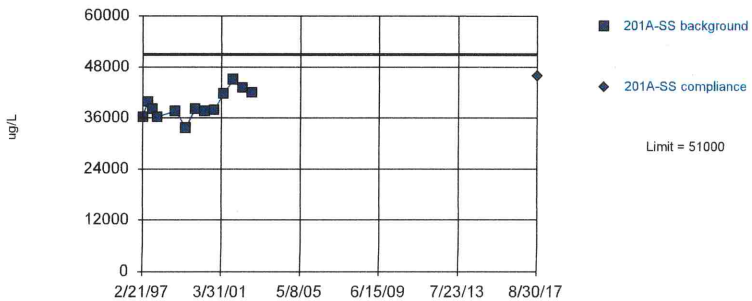
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.57, Std. Dev.=0.08112, n=13. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9611, critical = 0.866. Kappa = 3.402 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/27/2017 8:47 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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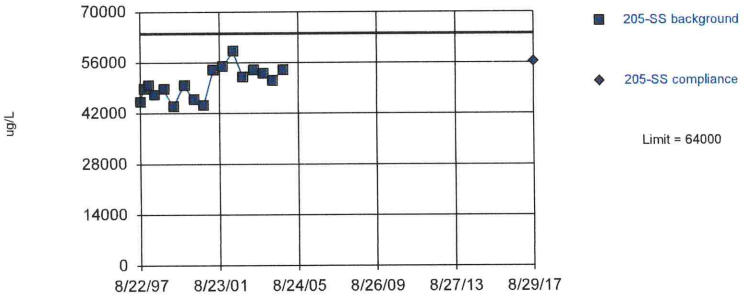
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=224, Std. Dev.=9.563, n=17. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9653, critical = 0.892. Kappa = 3.067 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/27/2017 8:47 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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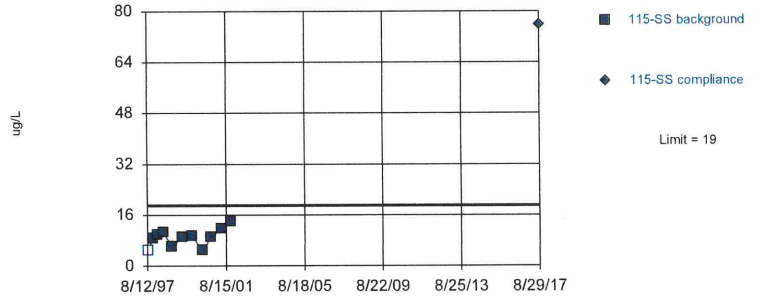
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=8.983, Std. Dev.=2.739, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9428, critical = 0.85. Kappa = 3.677 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Dixon's outlier test was performed on the background data. One background outlier was removed: 47 (5/21/2002).

Constituent: Manganese Total Analysis Run 9/27/2017 8:47 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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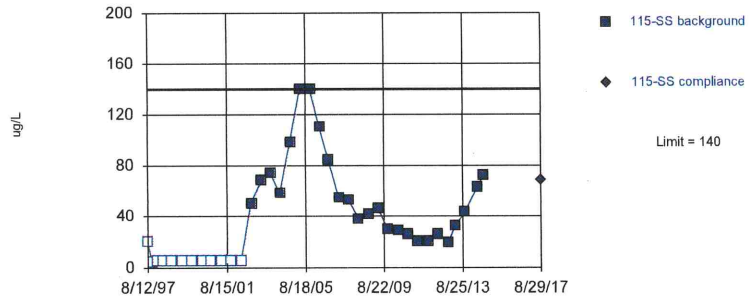
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 32.43% NDs. Well-constituent pair annual alpha = 0.005401. Individual comparison alpha = 0.001353 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/27/2017 8:48 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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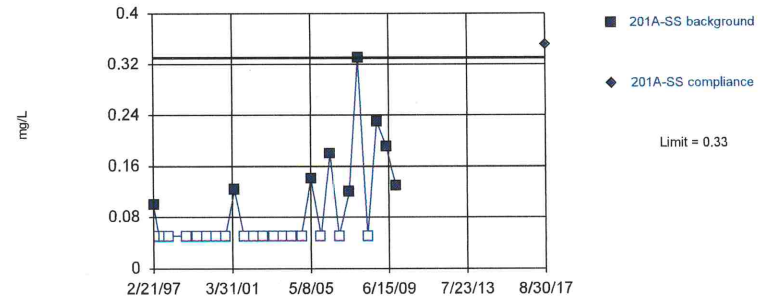
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.009865. Individual comparison alpha = 0.002475 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nitrate/Nitrite Analysis Run 9/27/2017 8:48 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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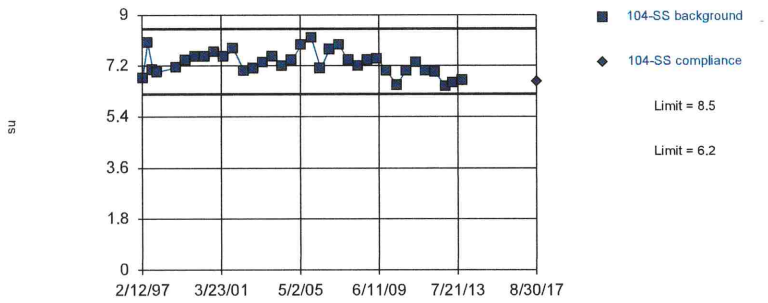
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.983, Std. Dev.=0.05825, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9752, critical = 0.91. Kappa = 2.639 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/27/2017 8:49 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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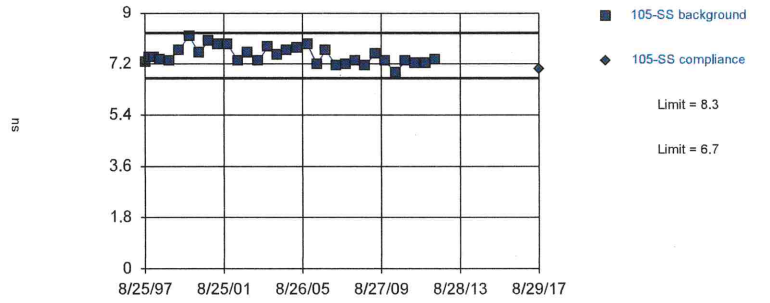
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.012, Std. Dev.=0.04035, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.961, critical = 0.904. Kappa = 2.673 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/27/2017 8:49 AM

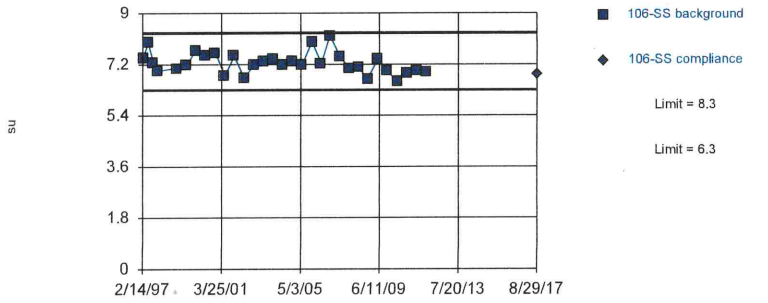
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.98, Std. Dev.=0.05226, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9745, critical = 0.902. Kappa = 2.685 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/27/2017 8:49 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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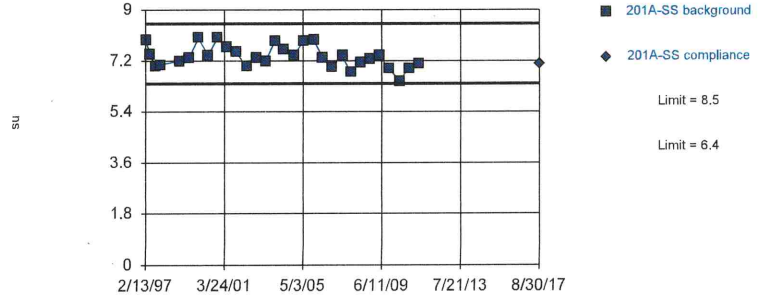
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.993, Std. Dev.=0.05282, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9571, critical = 0.9. Kappa = 2.696 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/27/2017 8:50 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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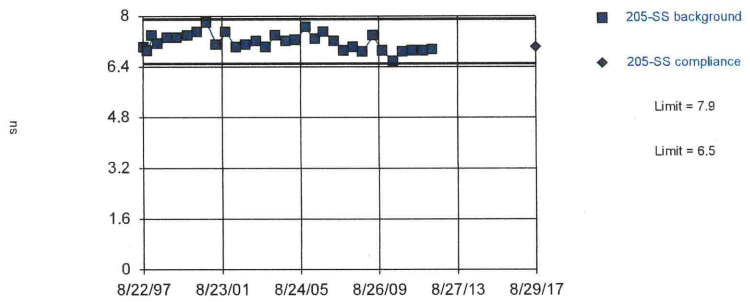
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.969, Std. Dev.=0.03712, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9742, critical = 0.904. Kappa = 2.673 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/27/2017 8:50 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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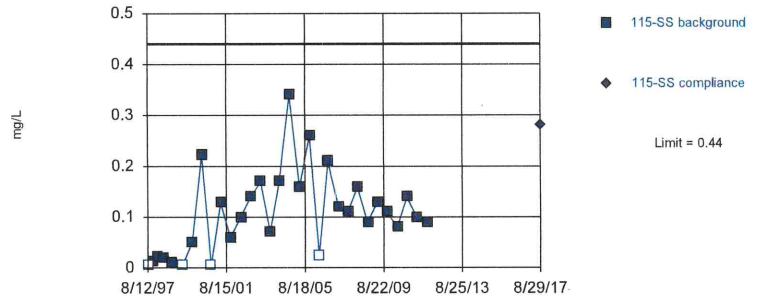
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2985, Std. Dev.=0.1361, n=31, 12.9% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9546, critical = 0.902. Kappa = 2.685 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Phosphorus Total Analysis Run 9/27/2017 8:51 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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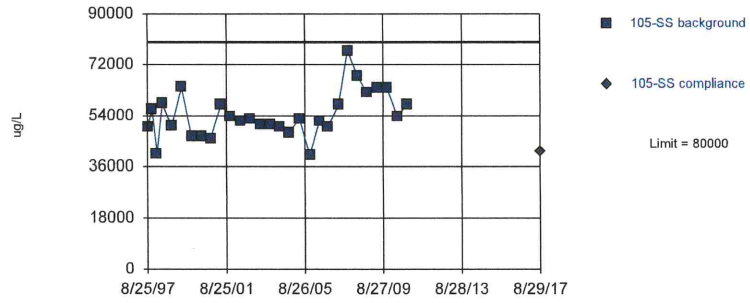
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.89, Std. Dev.=0.1457, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9758, critical = 0.898. Kappa = 2.713 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/27/2017 8:51 AM

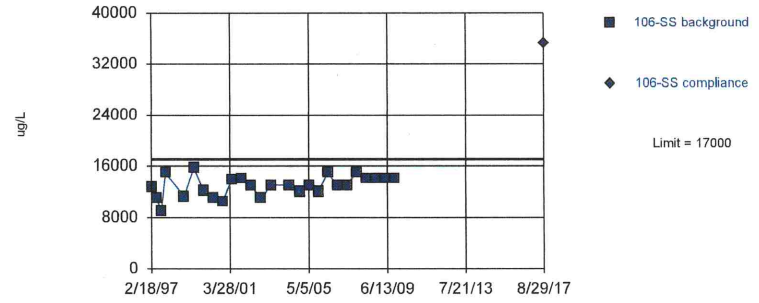
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=1.7e8, Std. Dev.=4.0e7, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9718, critical = 0.891. Kappa = 2.766 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 20000 (11/20/2003).

Constituent: Sodium Total Analysis Run 9/27/2017 8:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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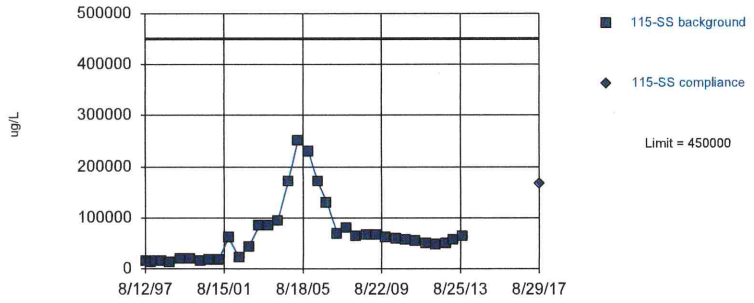
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.78, Std. Dev.=0.8461, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.91. Kappa = 2.639 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/27/2017 8:52 AM

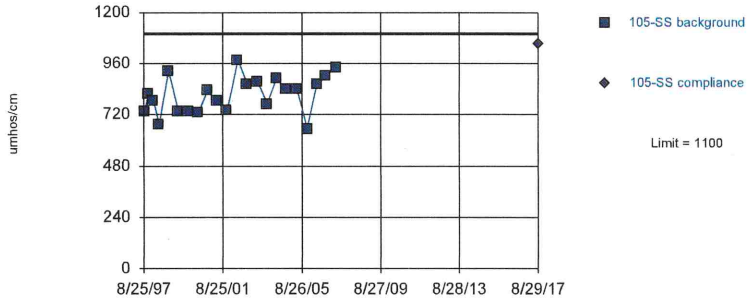
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=813.5, Std. Dev.=87.59, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9753, critical = 0.878. Kappa = 2.868 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Specific Conductance [Field] Analysis Run 9/27/2017 8:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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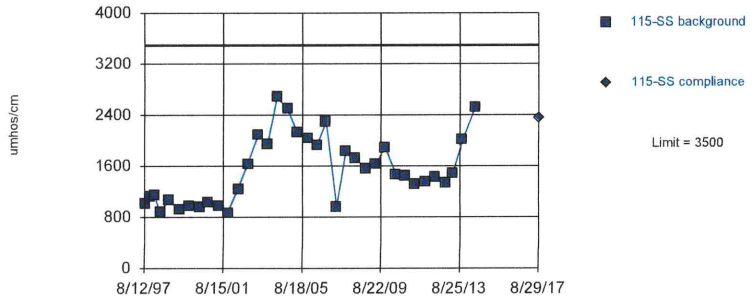
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=7.284, Std. Dev.=0.335, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9415, critical = 0.912. Kappa = 2.63 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Specific Conductance [Field] Analysis Run 9/27/2017 8:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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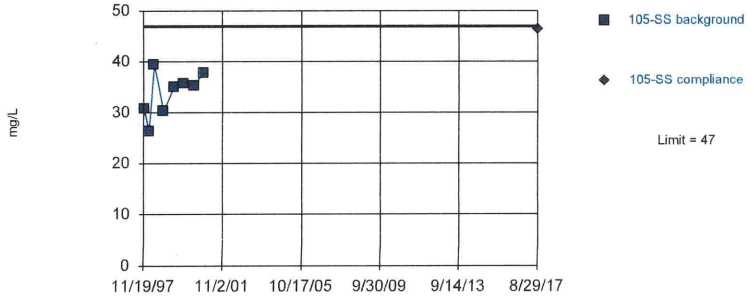
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=40346, Std. Dev.=14371, n=8. Normality test: Shapiro Wilk @alpha = 0.1, calculated = 0.9665, critical = 0.851. Kappa = 4.517 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Dixon's outlier test was performed on the background data. One background outlier was removed: 13 (8/25/1997).

Constituent: Sulfate Analysis Run 9/27/2017 8:53 AM

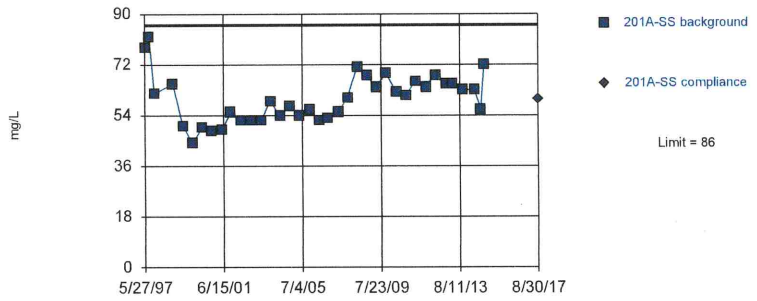
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=4.083, Std. Dev.=0.141, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9812, critical = 0.914. Kappa = 2.62 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. Rosner's outlier test was performed on the background data. One background outlier was removed: 99 (2/21/1997).

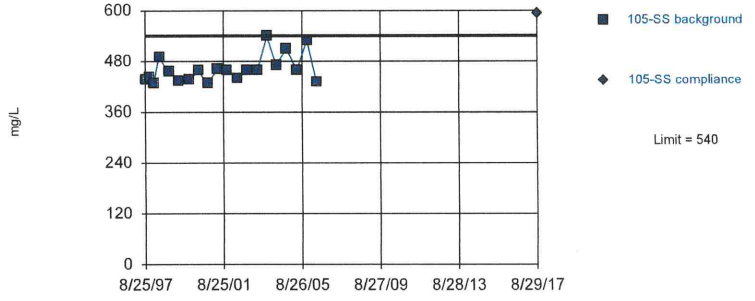
Constituent: Sulfate Analysis Run 9/27/2017 8:54 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.01677. Individual comparison alpha = 0.004219 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 8:55 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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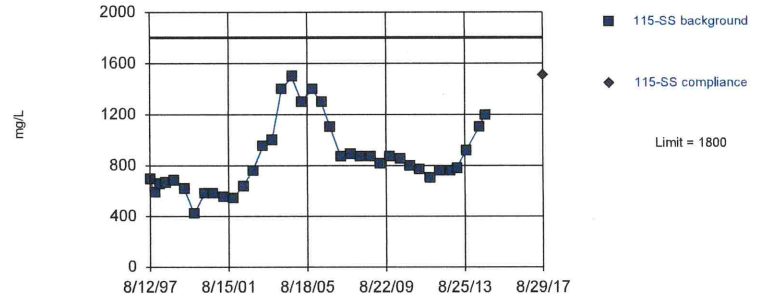
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.71, Std. Dev.=0.3007, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9719, critical = 0.914. Kappa = 2.62 (c=34, w=8, 1 of 2, event alpha = 0.026). Report alpha = 0.00009683. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 8:55 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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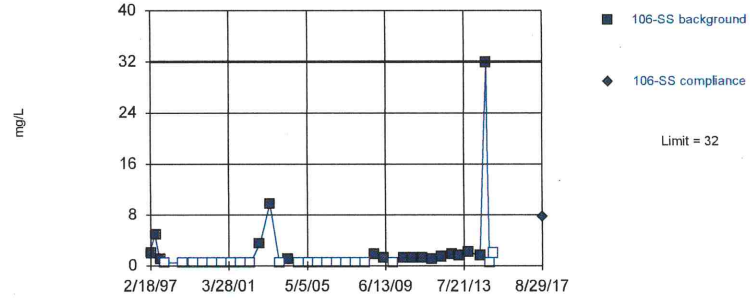
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 53.85% NDs. Well-constituent pair annual alpha = 0.004868. Individual comparison alpha = 0.001219 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Organic Carbon [TOC] Analysis Run 9/27/2017 8:55 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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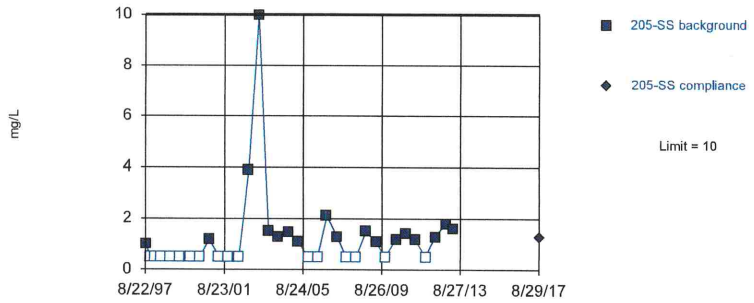
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 34 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.006335. Individual comparison alpha = 0.001587 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Organic Carbon [TOC] Analysis Run 9/27/2017 8:56 AM

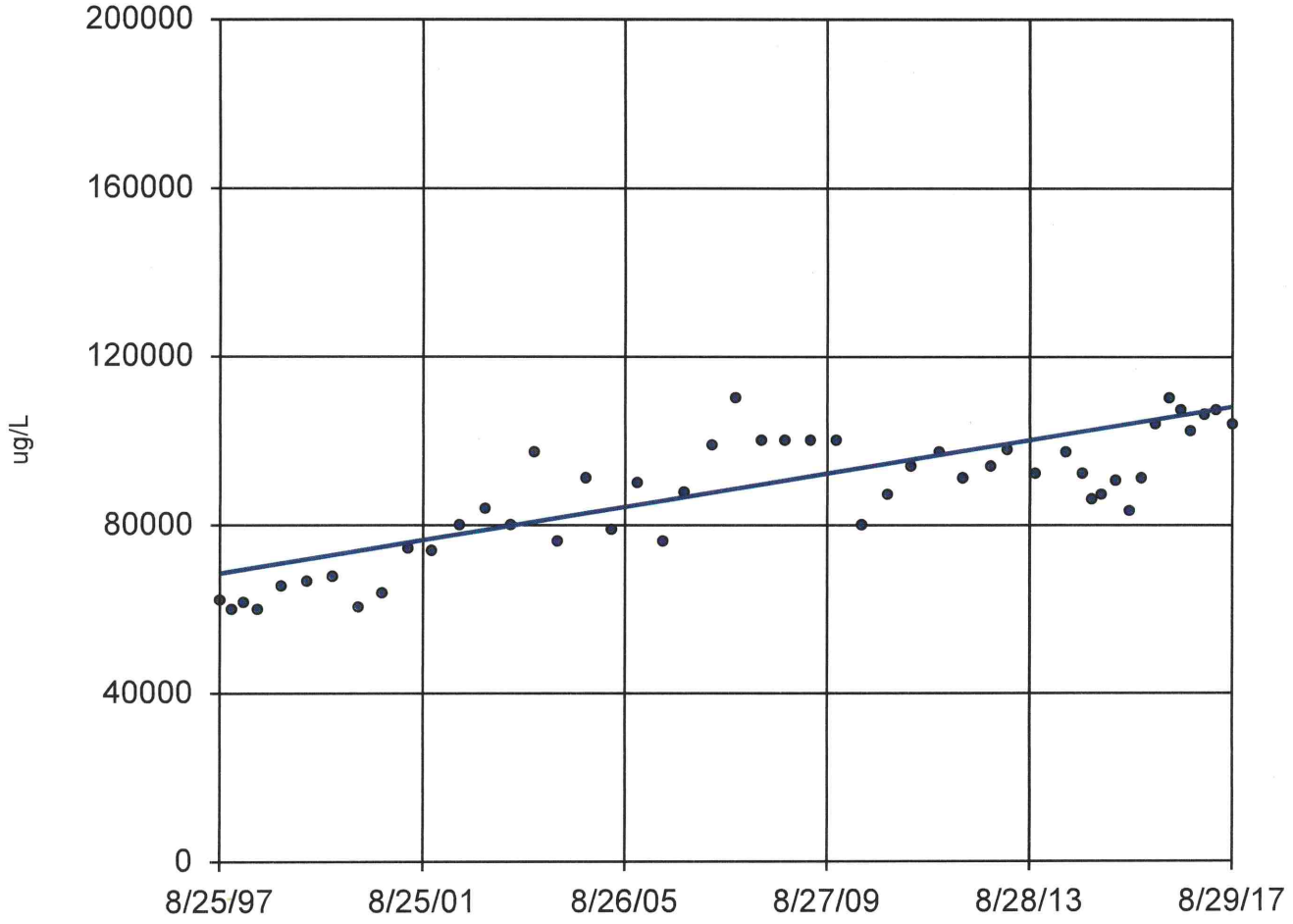
Bridgeton LF Client: RSI Data: Bridgeton LF

TREND EVALUATION OF EXCEEDING CONSTITUENTS

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS



n = 49

Slope = 1975 units per year.

Mann-Kendall normal approx. = 5.893
critical = 2.33

Increasing trend significant at 98% confidence level ($\alpha = 0.01$ per tail).

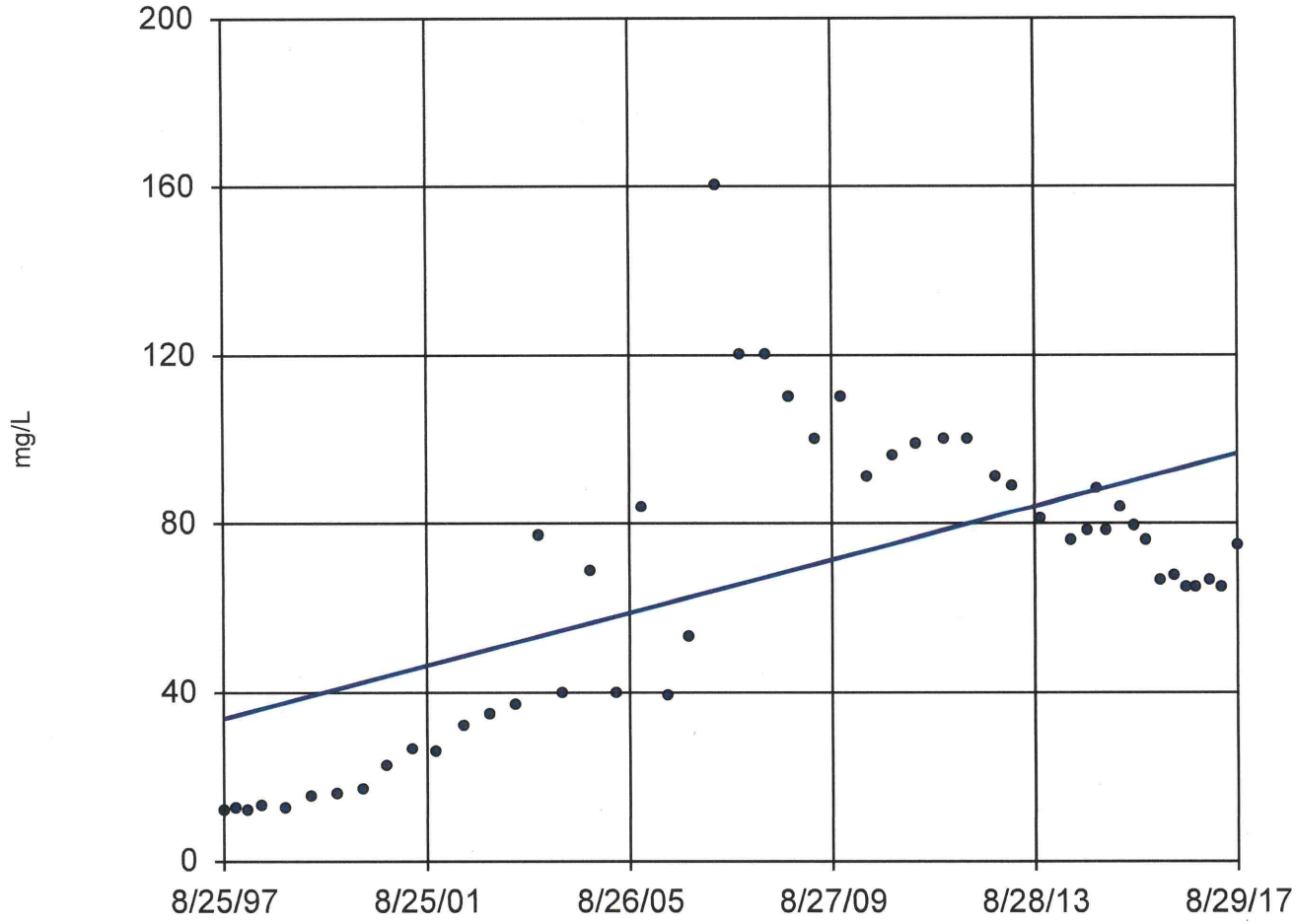
Constituent: Calcium Total Analysis Run 9/27/2017 10:35 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS



n = 49

Slope = 3.137 units per year.

Mann-Kendall normal approx. = 3.449
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

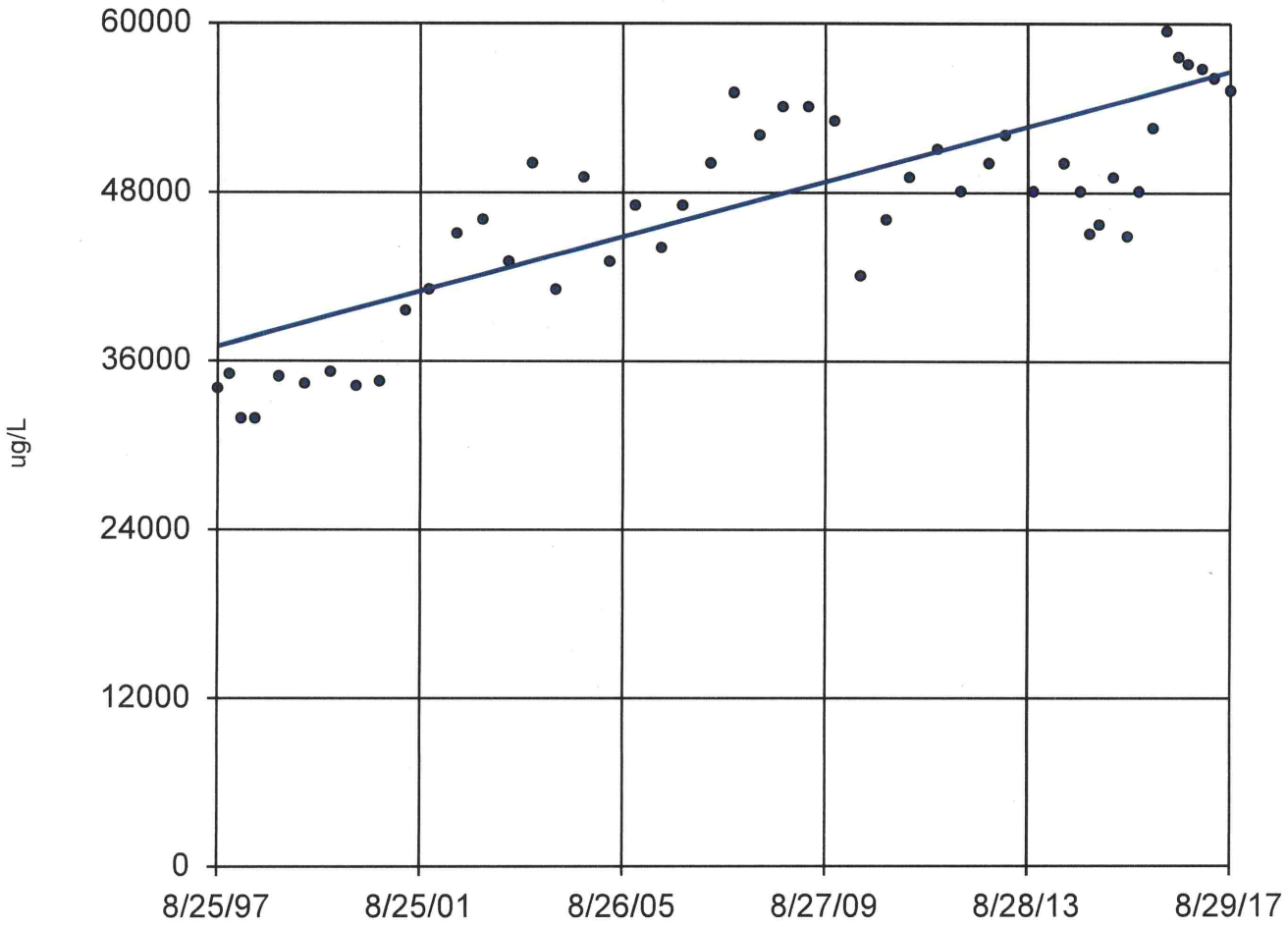
Constituent: Chloride Analysis Run 9/27/2017 10:35 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS



n = 49

Slope = 975.3 units per year.

Mann-Kendall normal approx. = 5.842
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

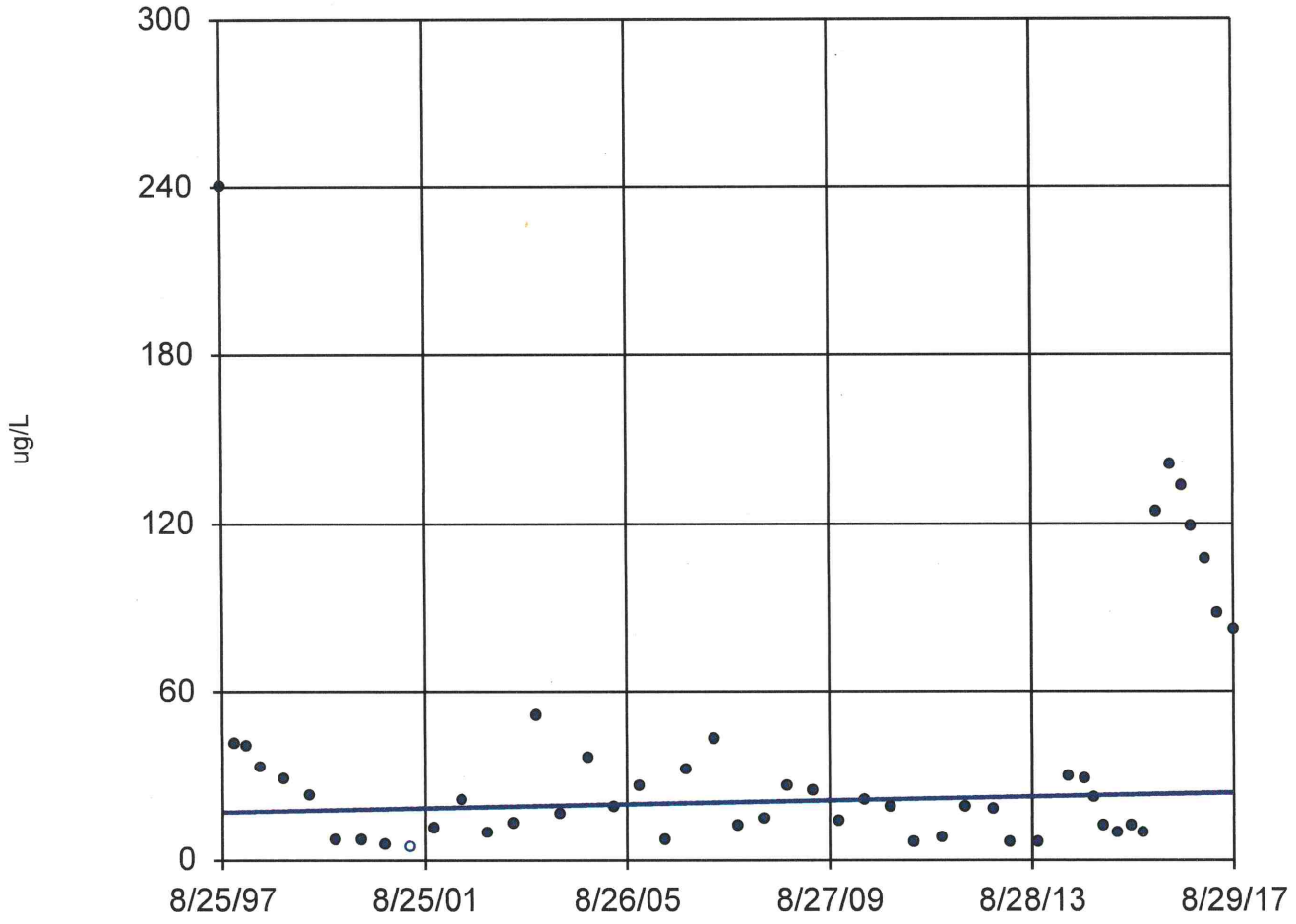
Constituent: Magnesium Total Analysis Run 9/27/2017 10:35 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

105-SS



n = 49

Slope = 0.3457 units per year.

Mann-Kendall normal approx. = 0.8363
critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

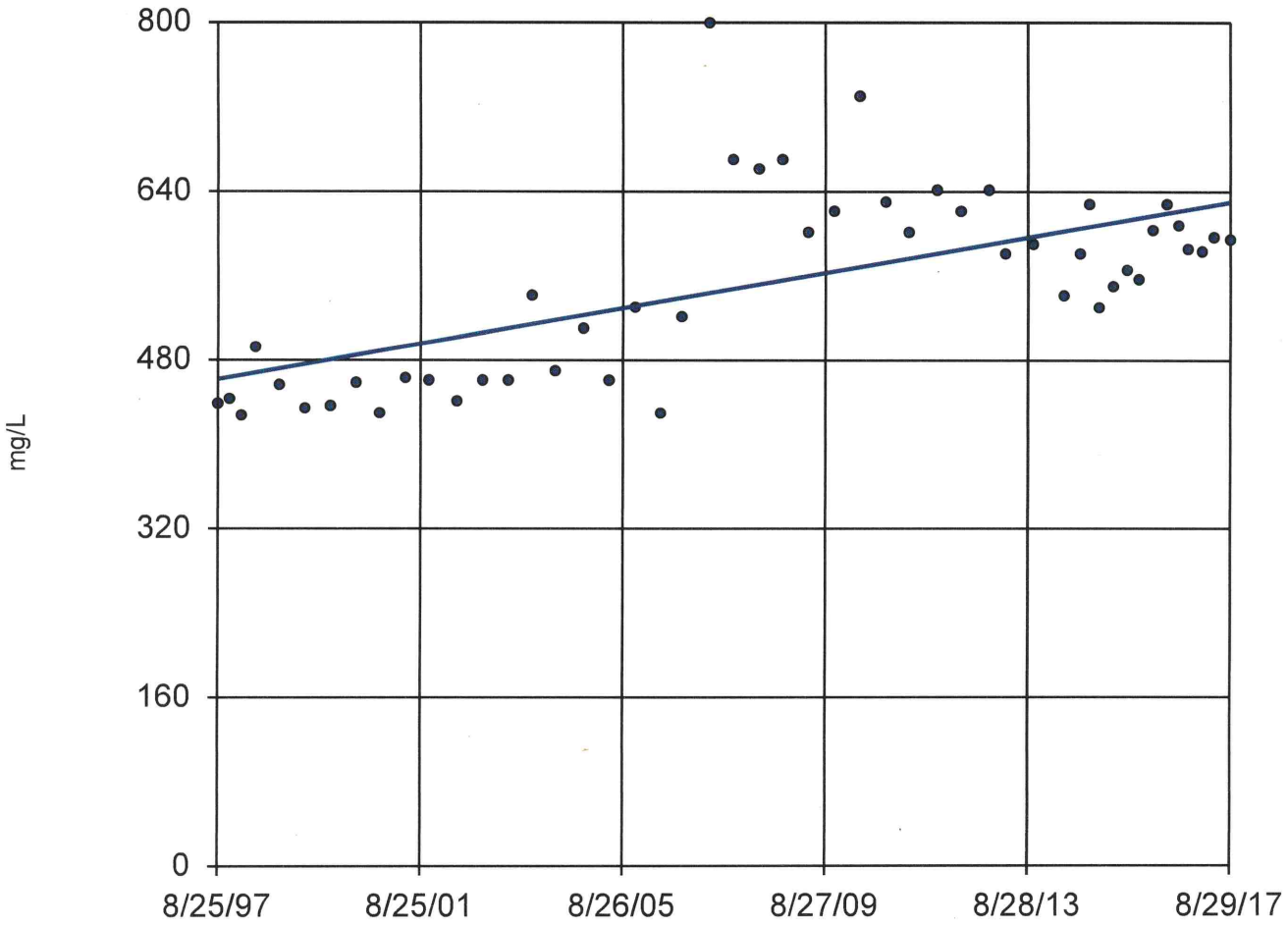
Constituent: Manganese Total Analysis Run 9/27/2017 10:35 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

105-SS



n = 49

Slope = 8.403 units per year.

Mann-Kendall normal approx. = 4.381
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

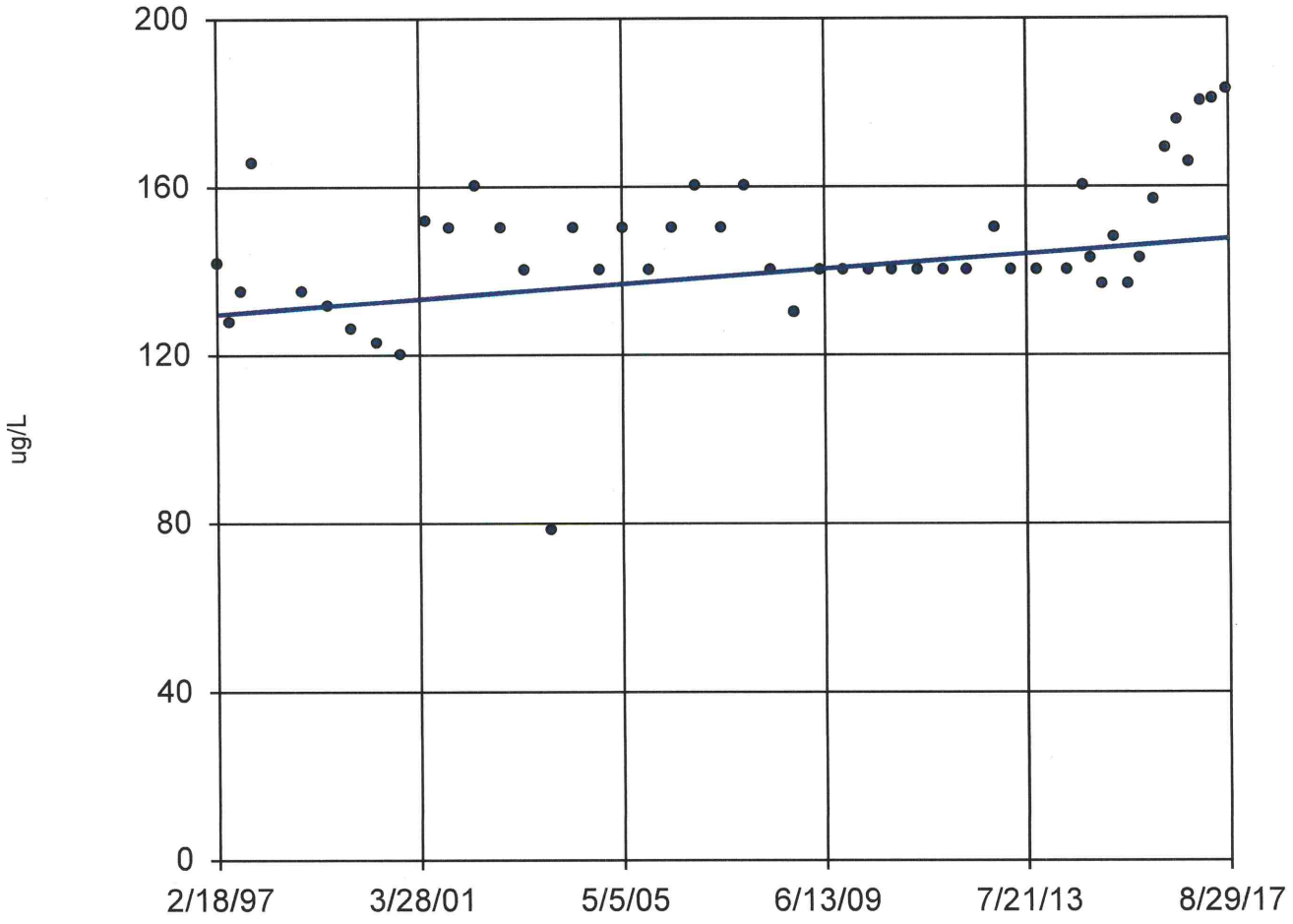
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 10:35 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SS



n = 49

Slope = 0.8658 units per year.

Mann-Kendall normal approx. = 3.053
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

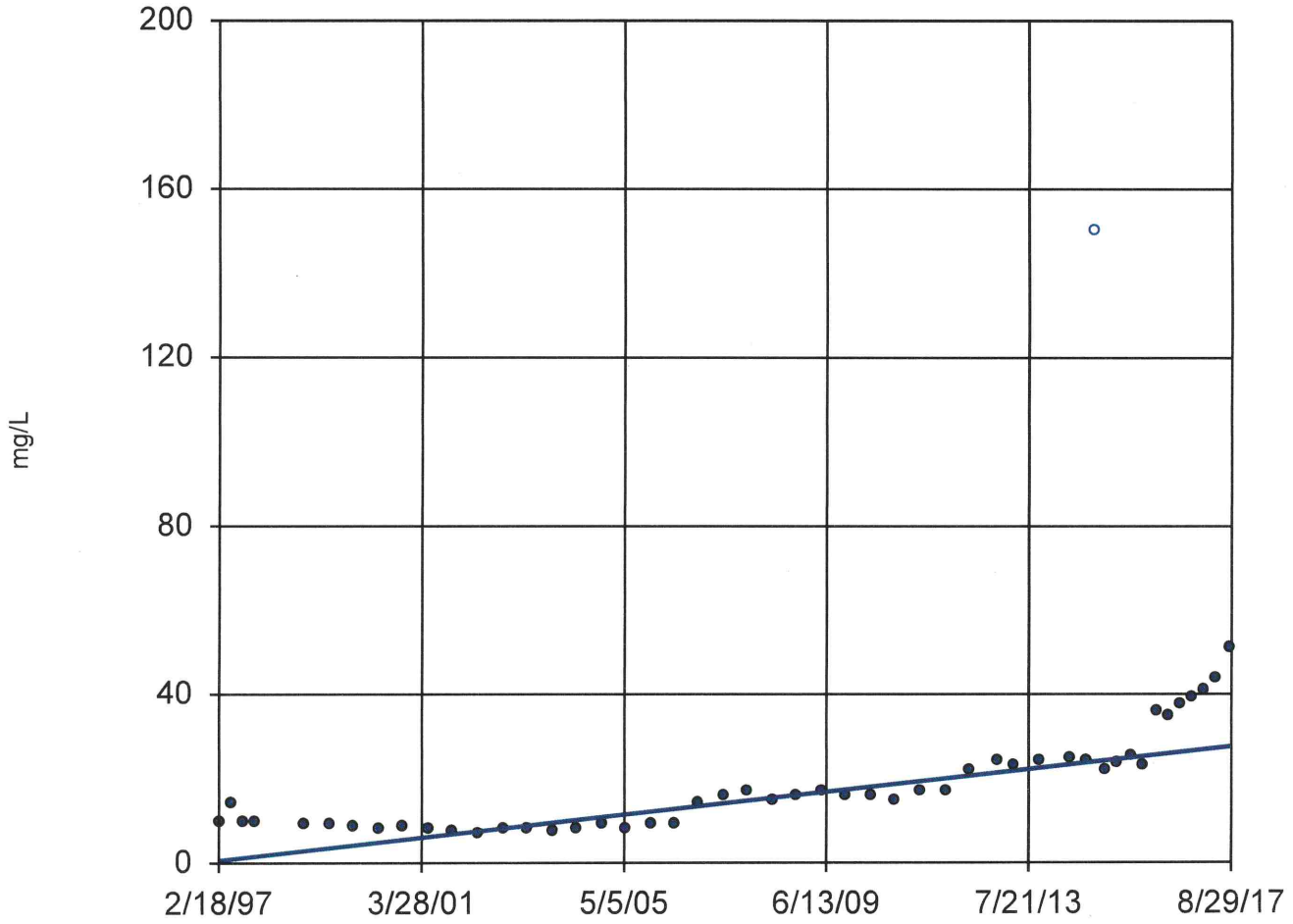
Constituent: Barium Total Analysis Run 9/27/2017 10:36 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SS



n = 49

Slope = 1.316 units per year.

Mann-Kendall normal approx. = 7.032
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

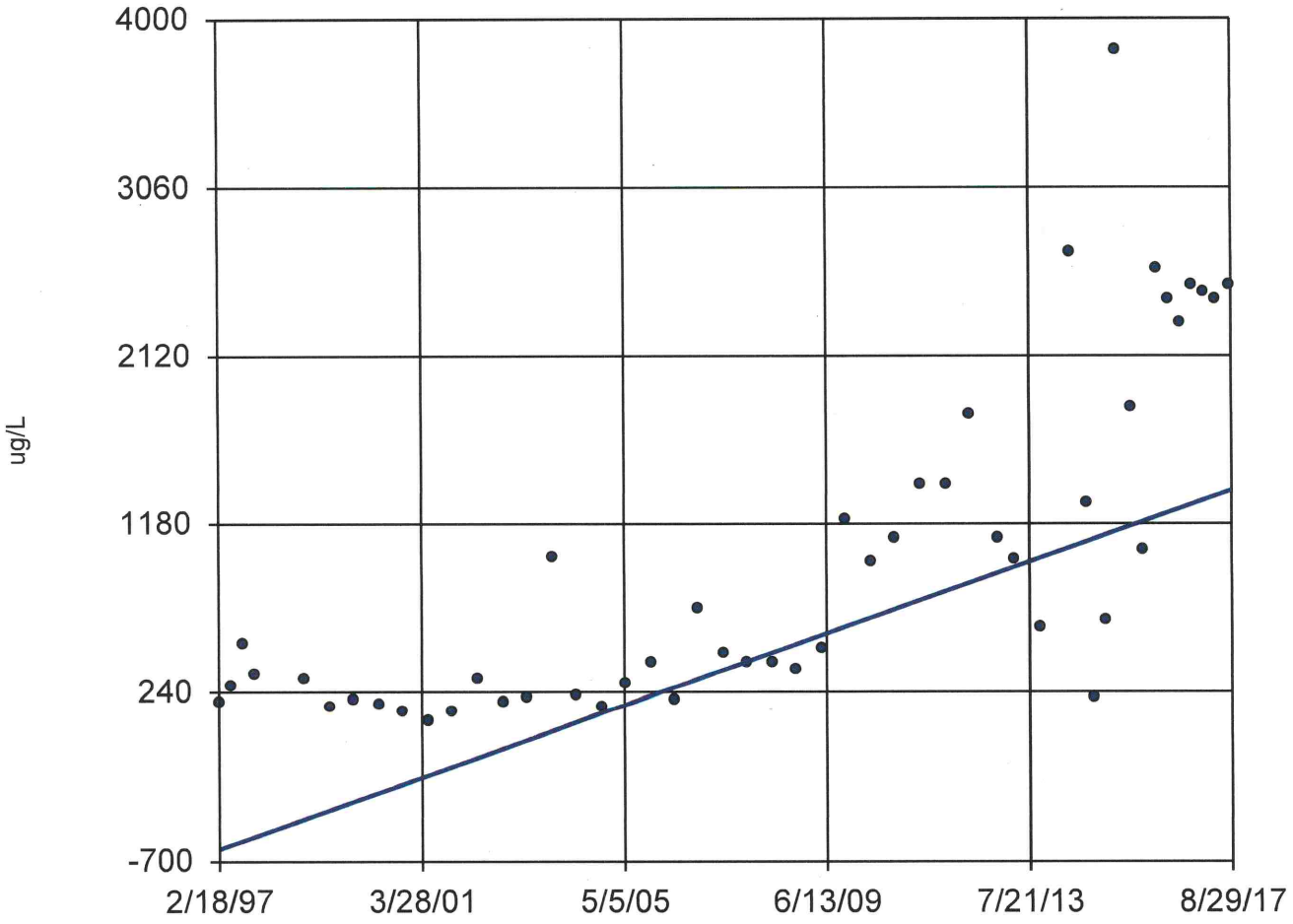
Constituent: Chloride Analysis Run 9/27/2017 10:36 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SS



n = 49

Slope = 97.51 units per year.

Mann-Kendall normal approx. = 6.329
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

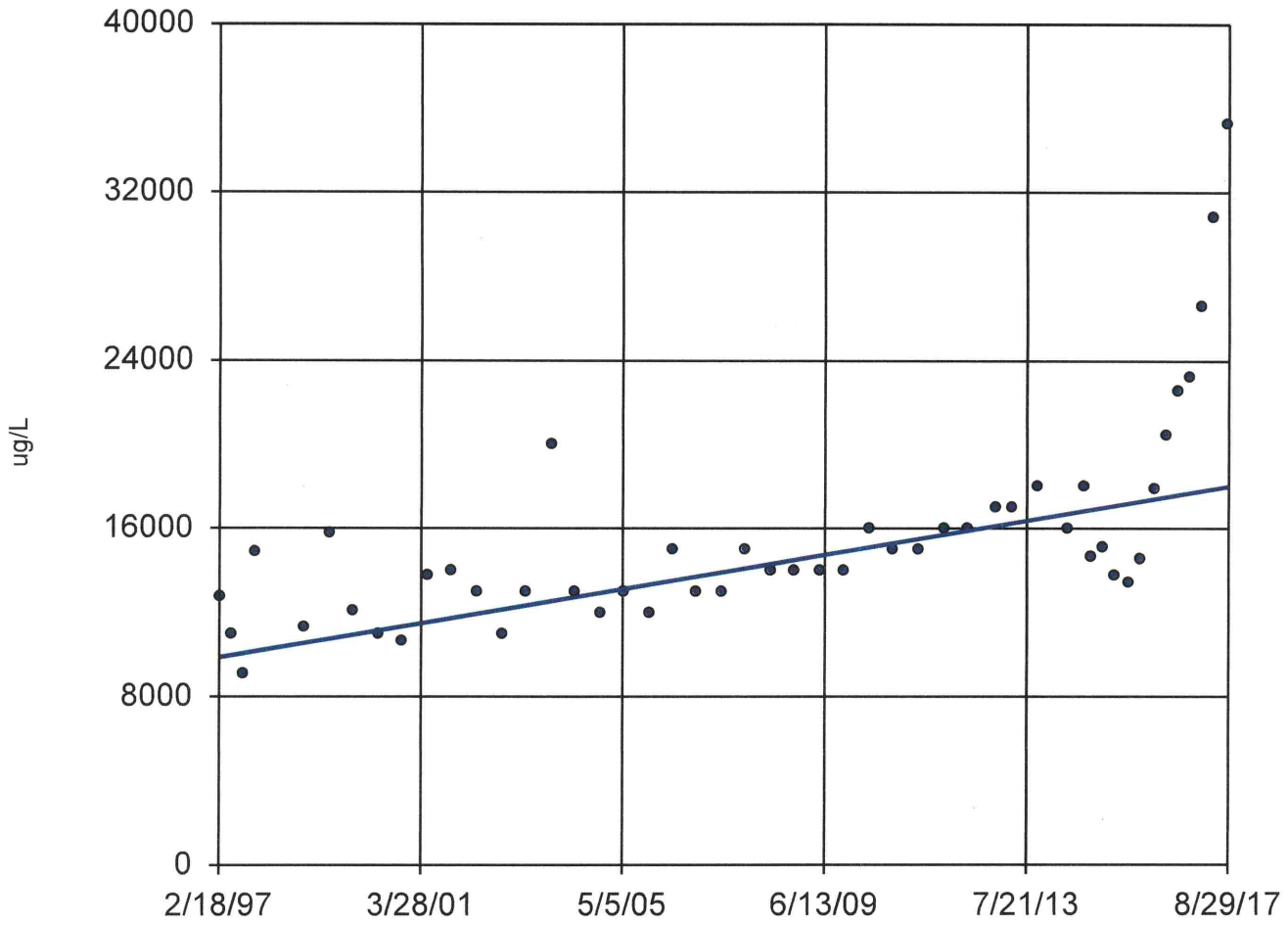
Constituent: Iron Total Analysis Run 9/27/2017 10:36 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SS



n = 49

Slope = 394.9 units per year.

Mann-Kendall normal approx. = 6.058
critical = 2.33

Increasing trend significant at 98% confidence level ($\alpha = 0.01$ per tail).

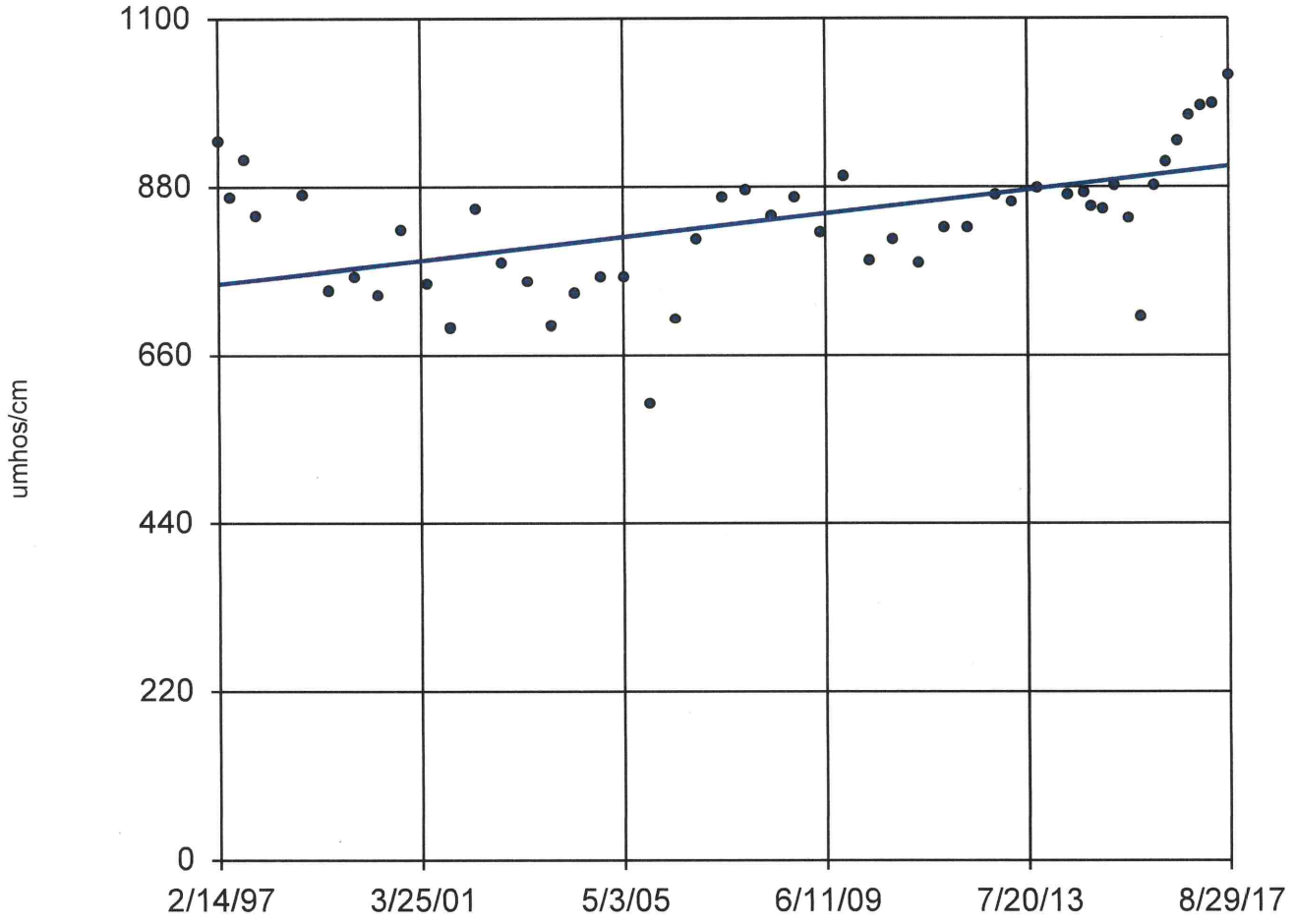
Constituent: Sodium Total Analysis Run 9/27/2017 10:36 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SS



n = 49

Slope = 7.51 units per year.

Mann-Kendall normal approx. = 3.82
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

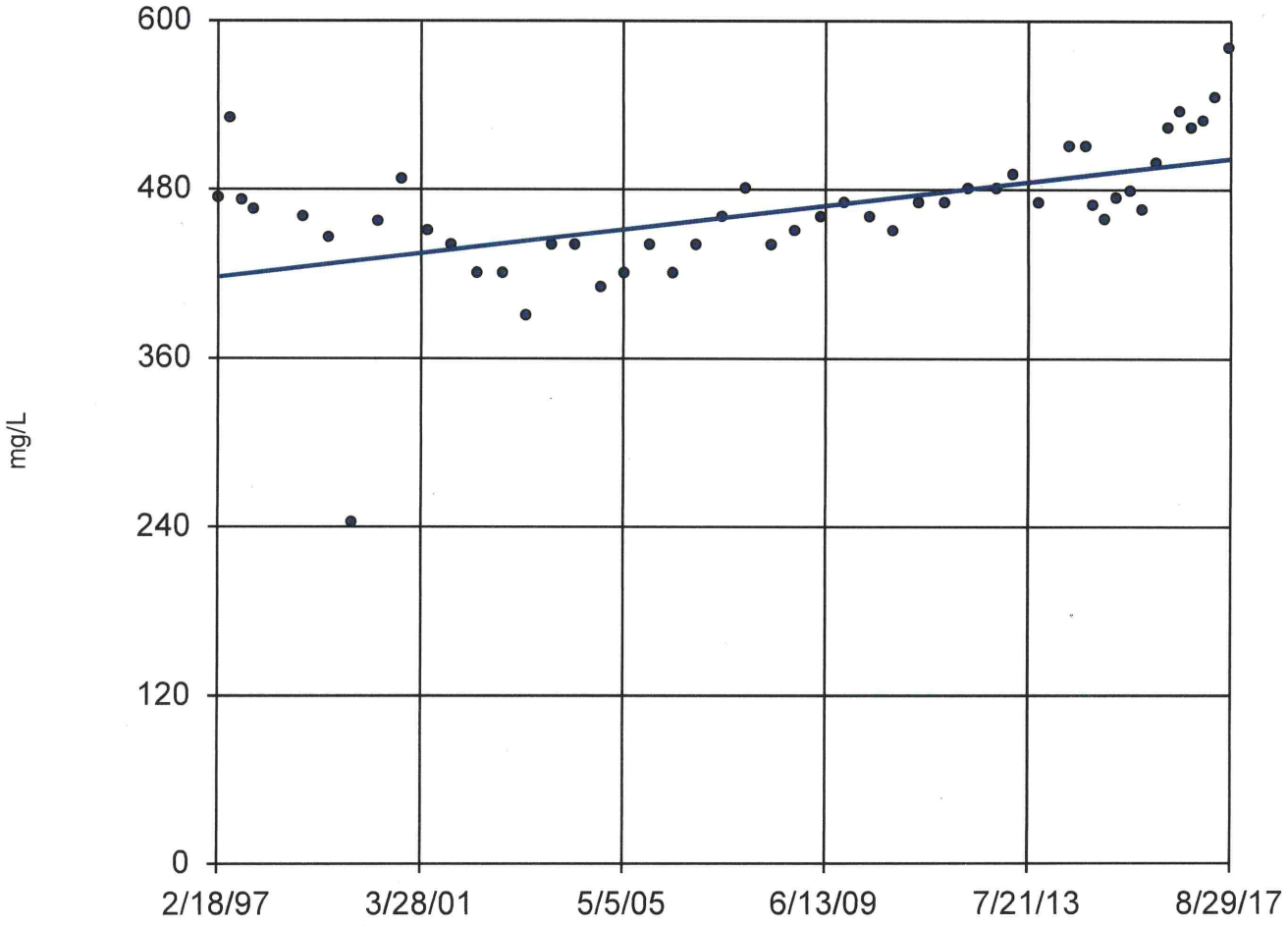
Constituent: Specific Conductance [Field] Analysis Run 9/27/2017 10:36 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SS



n = 49

Slope = 4.114 units per year.

Mann-Kendall normal approx. = 4.449
critical = 2.33

Increasing trend significant at 98% confidence level ($\alpha = 0.01$ per tail).

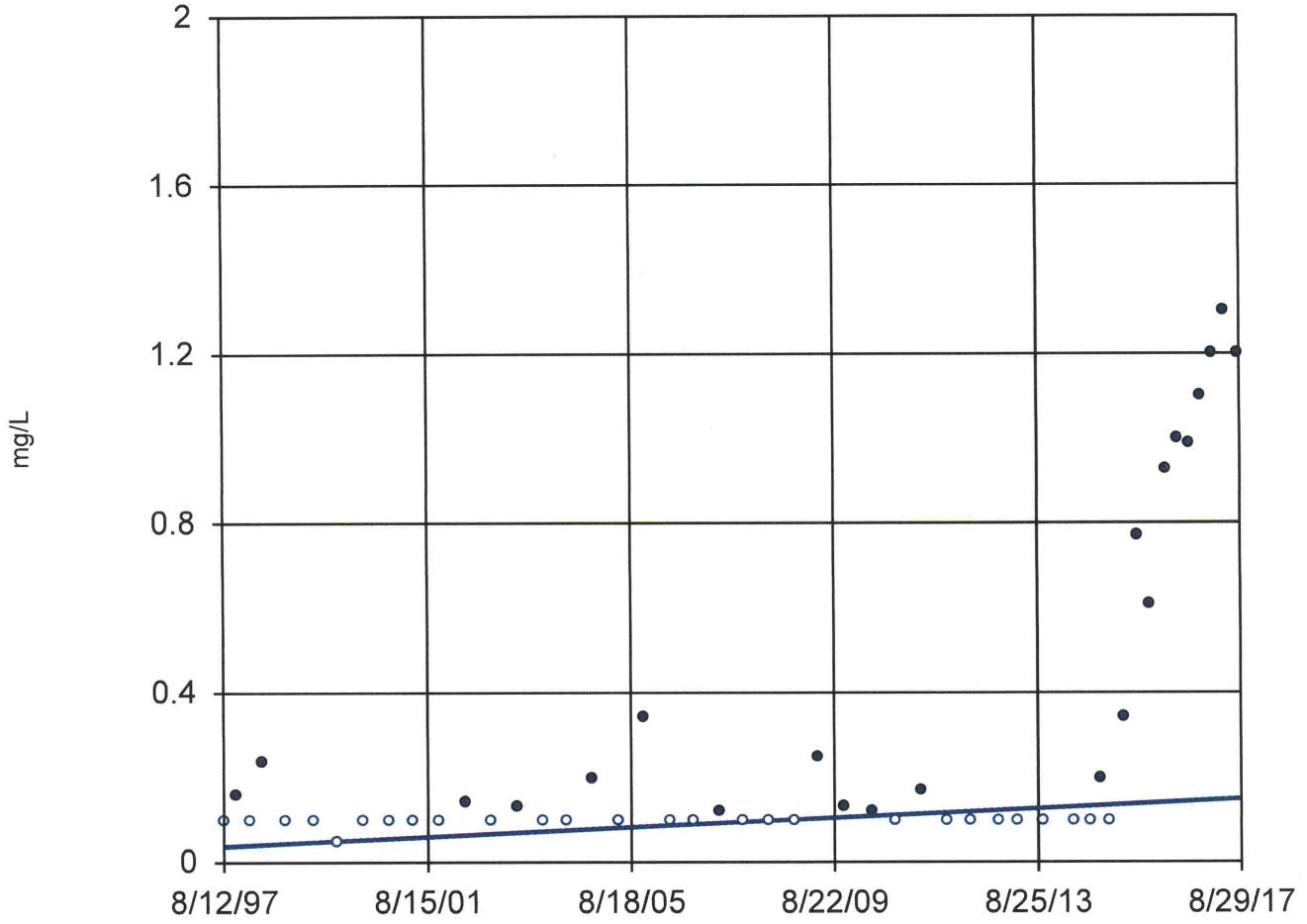
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 10:36 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

115-SS



n = 49

Slope = 0.005629 units per year.

Mann-Kendall normal approx. = 4.094
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

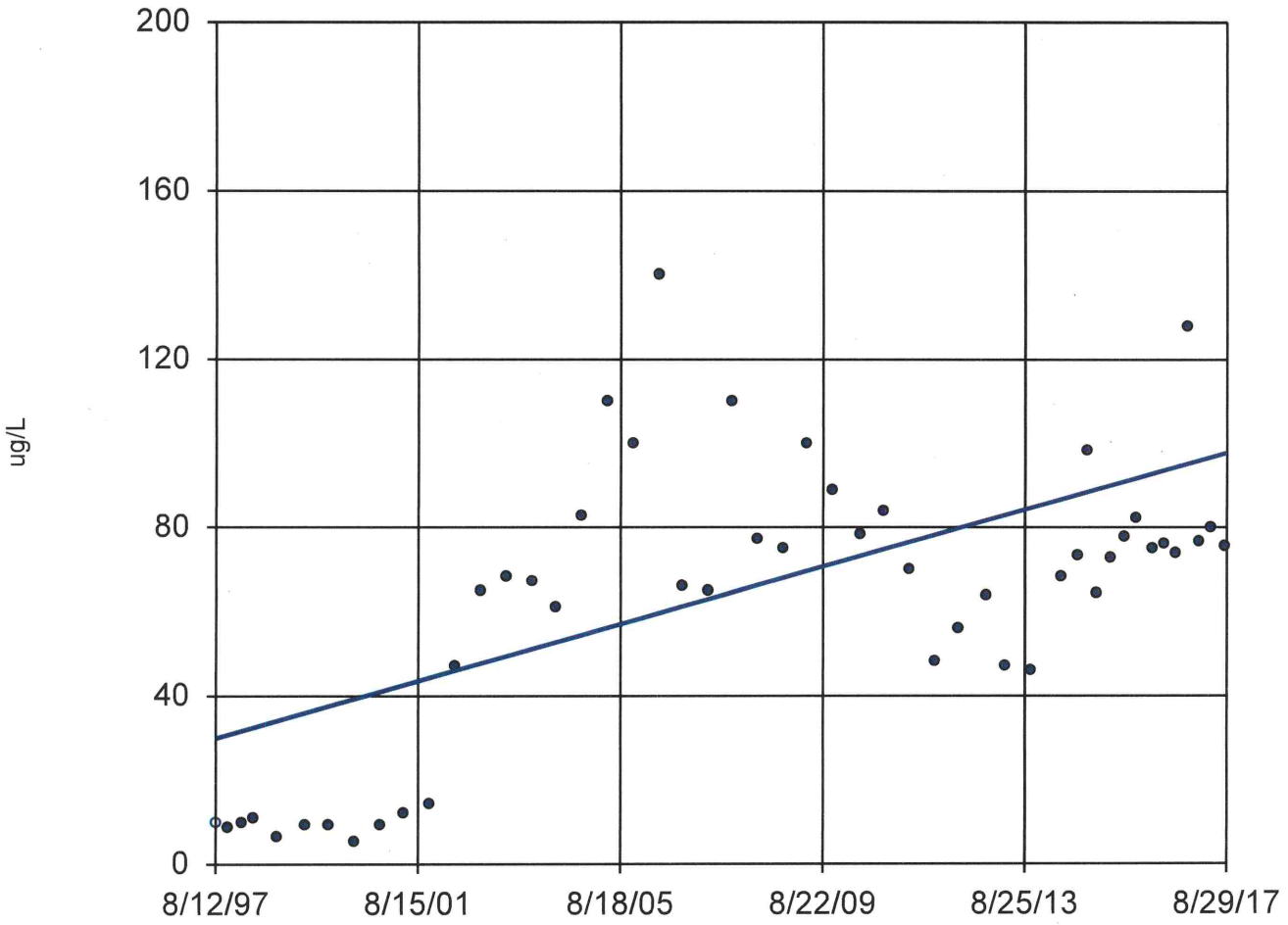
Constituent: Ammonia as N Analysis Run 9/27/2017 10:37 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

115-SS



n = 49

Slope = 3.382 units per year.

Mann-Kendall normal approx. = 4.069
critical = 2.33

Increasing trend significant at 98% confidence level ($\alpha = 0.01$ per tail).

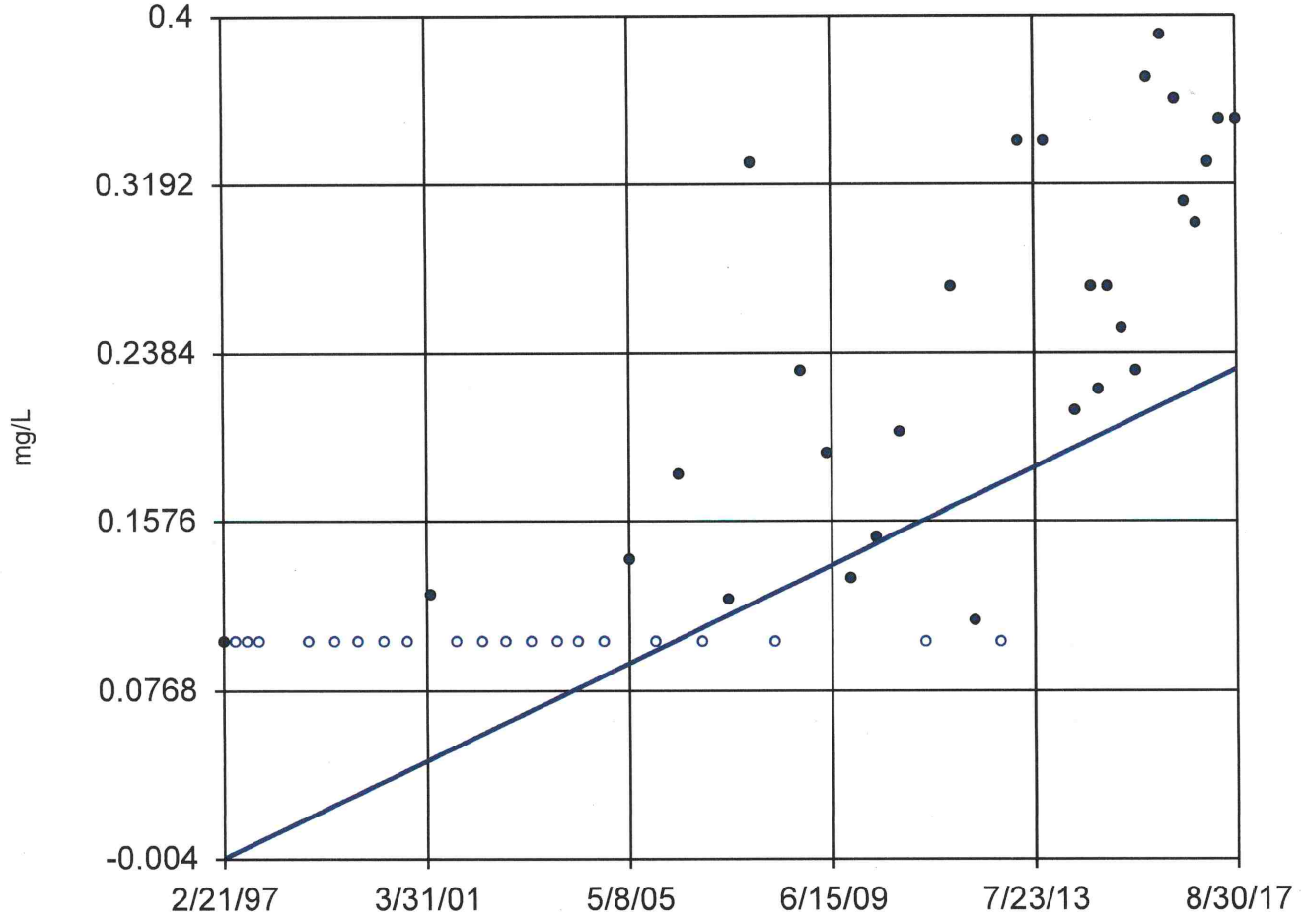
Constituent: Manganese Total Analysis Run 9/27/2017 10:37 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

201A-SS



n = 49

Slope = 0.0114 units per year.

Mann-Kendall normal approx. = 6.388
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nitrate/Nitrite Analysis Run 9/27/2017 10:38 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

TIME SERIES GRAPHS

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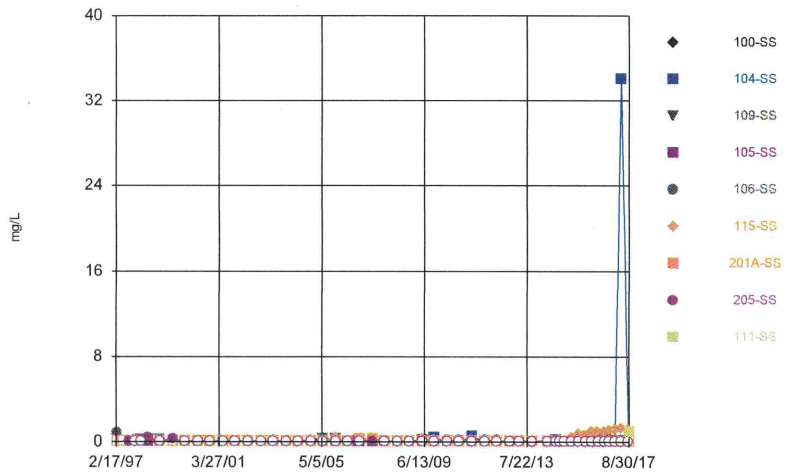
Hollow symbols indicate censored values.

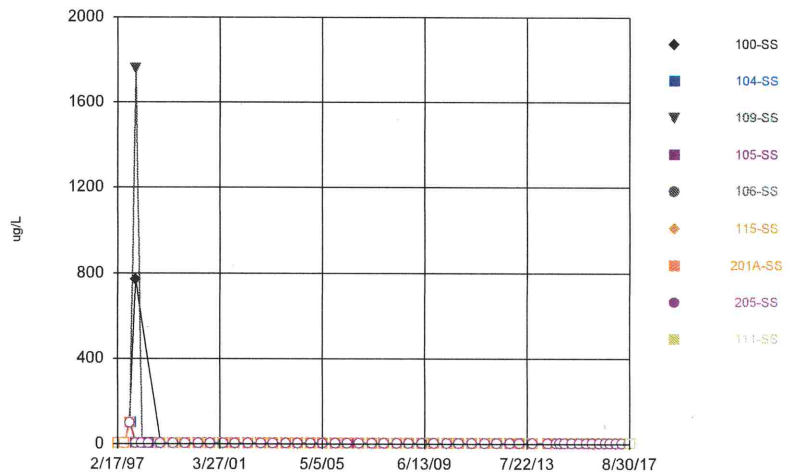
Time Series



Constituent: Ammonia as N Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

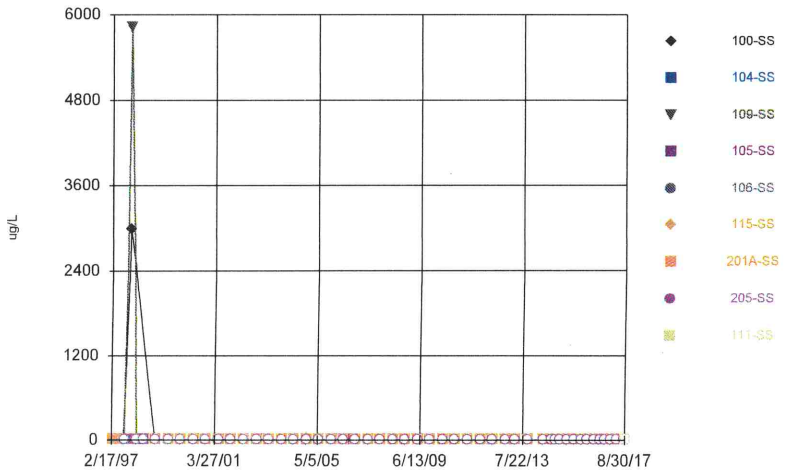
Time Series



Constituent: Antimony Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

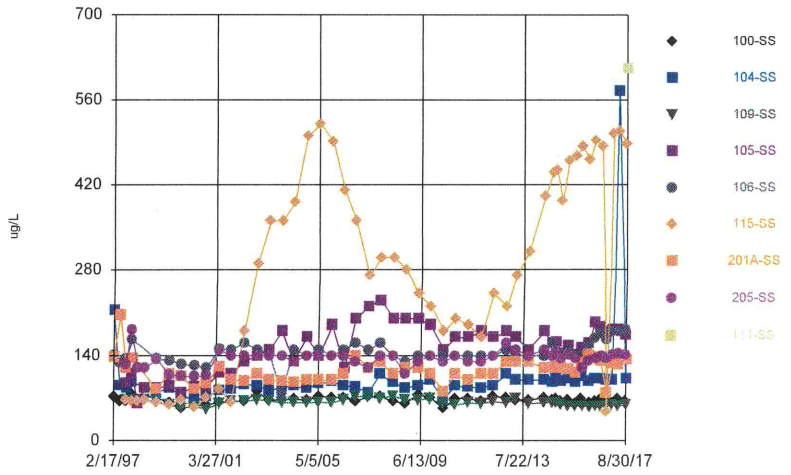
Time Series



Constituent: Arsenic Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

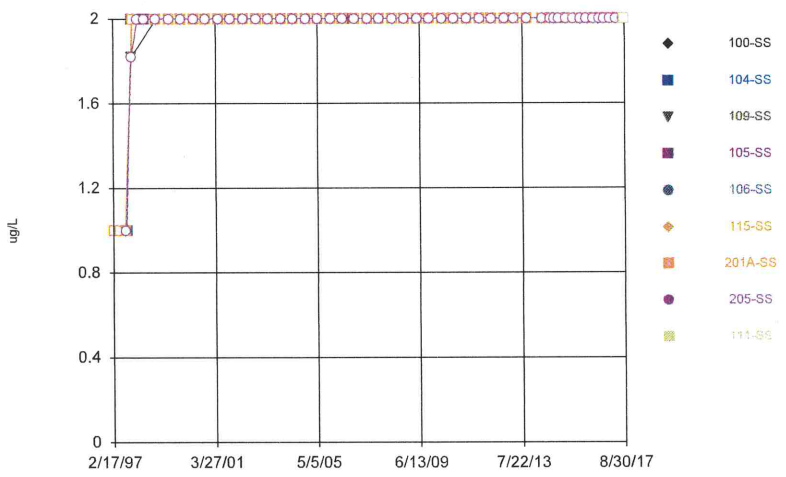
Time Series



Constituent: Barium Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

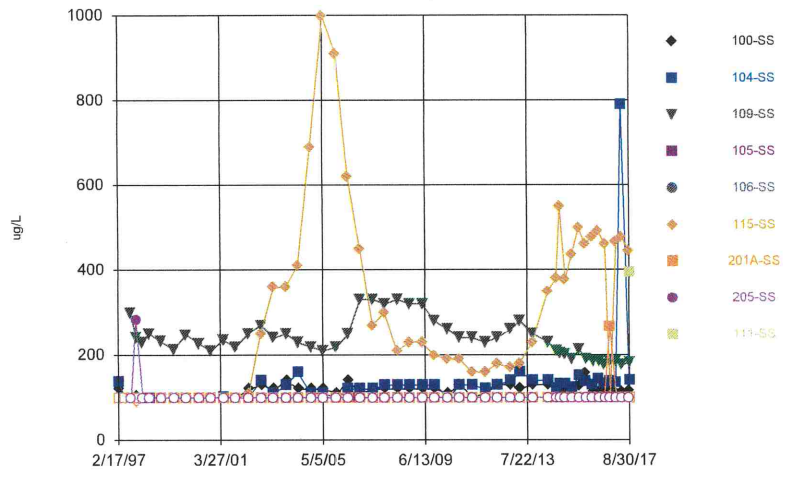
Time Series



Constituent: Beryllium Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

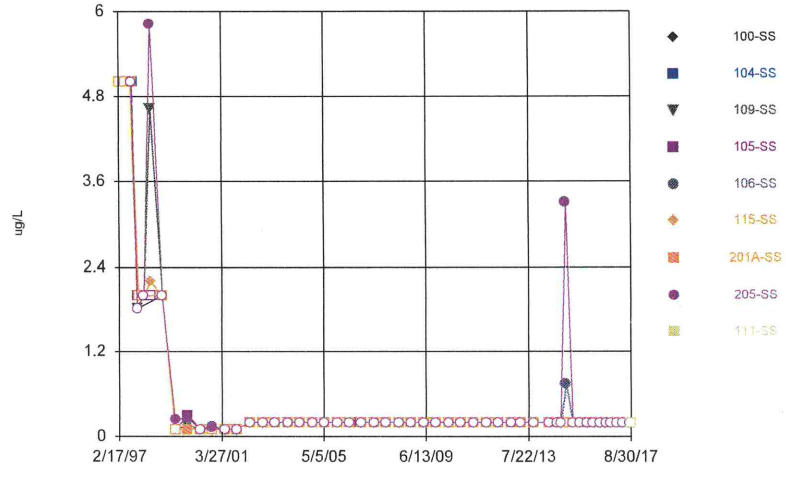
Time Series



Constituent: Boron Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

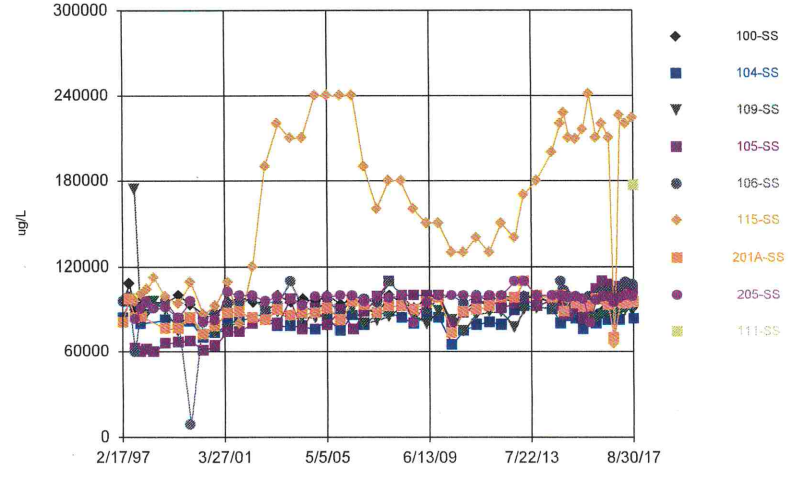
Time Series



Constituent: Cadmium Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

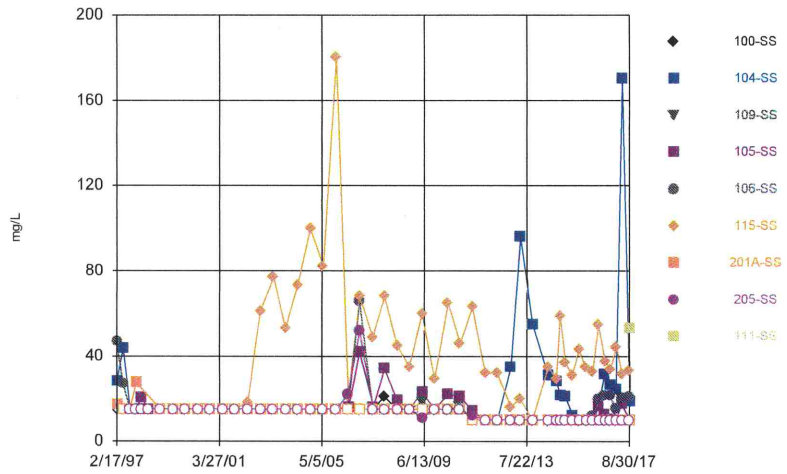
Time Series



Constituent: Calcium Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

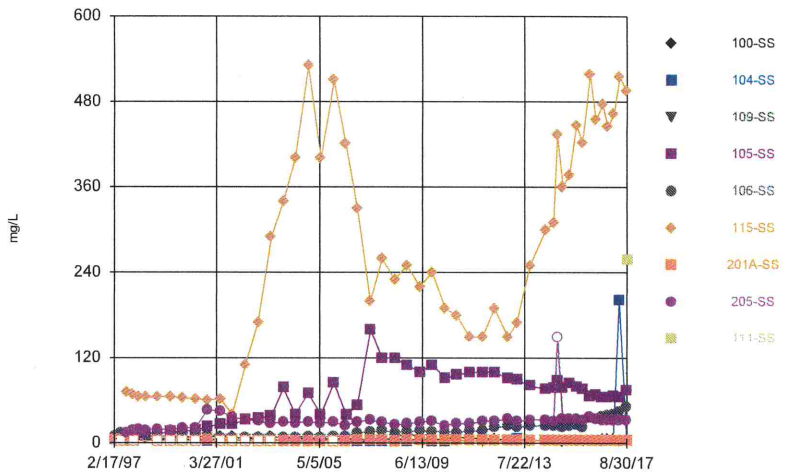
Time Series



Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

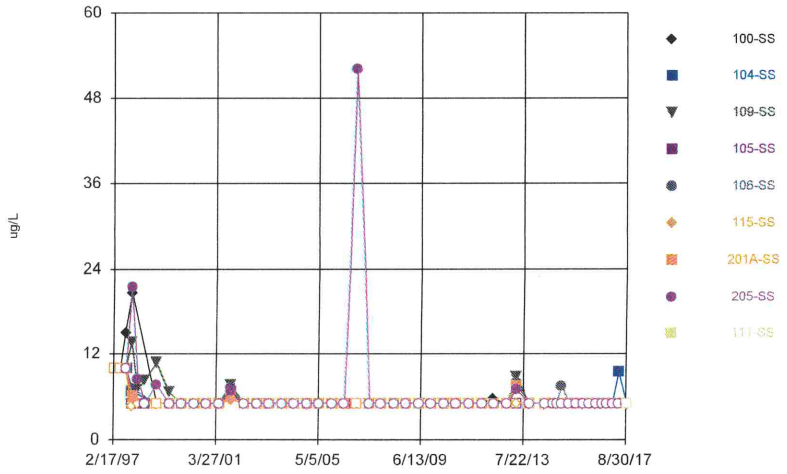
Time Series



Constituent: Chloride Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

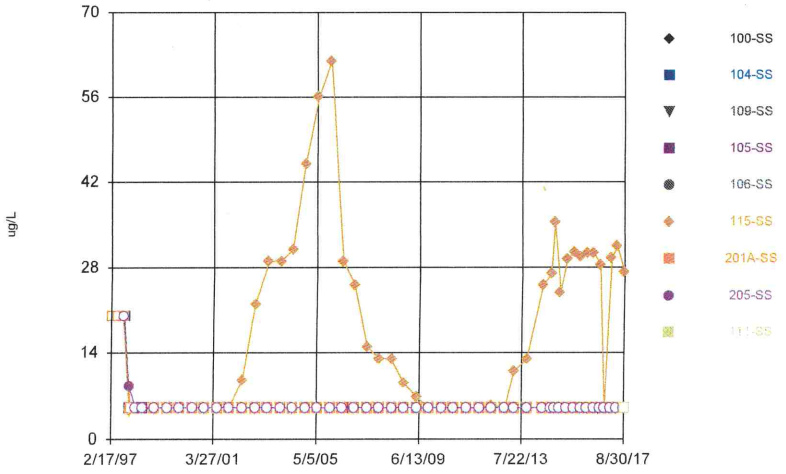
Time Series



Constituent: Chromium Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

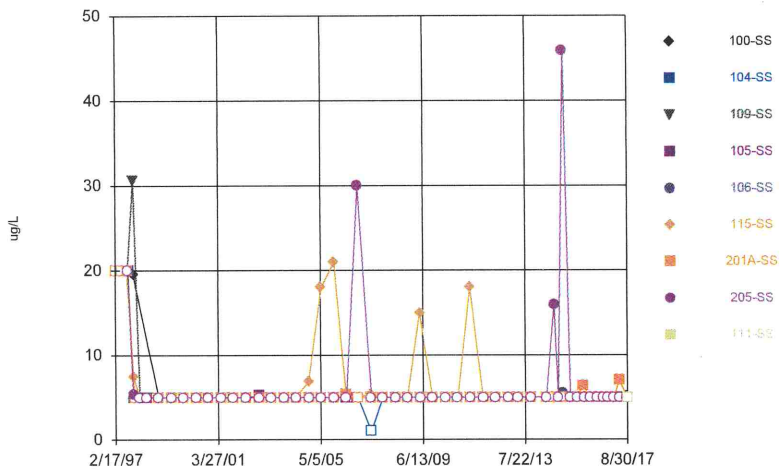
Time Series



Constituent: Cobalt Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

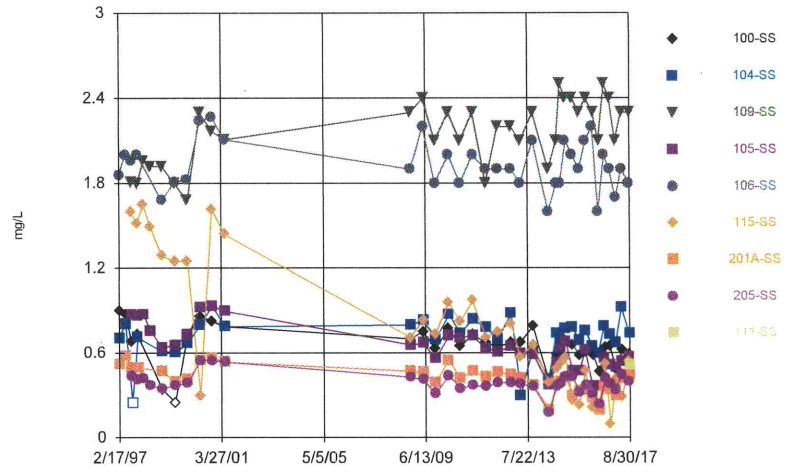
Time Series



Constituent: Copper Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

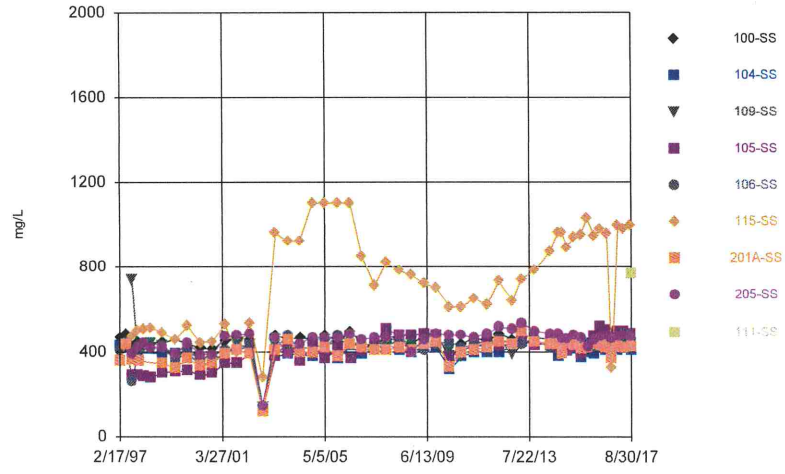
Time Series



Constituent: Fluoride Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

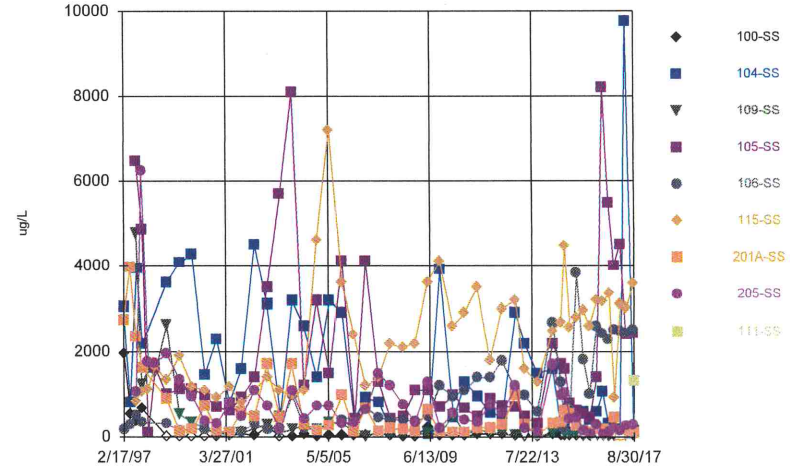
Time Series



Constituent: Hardness Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

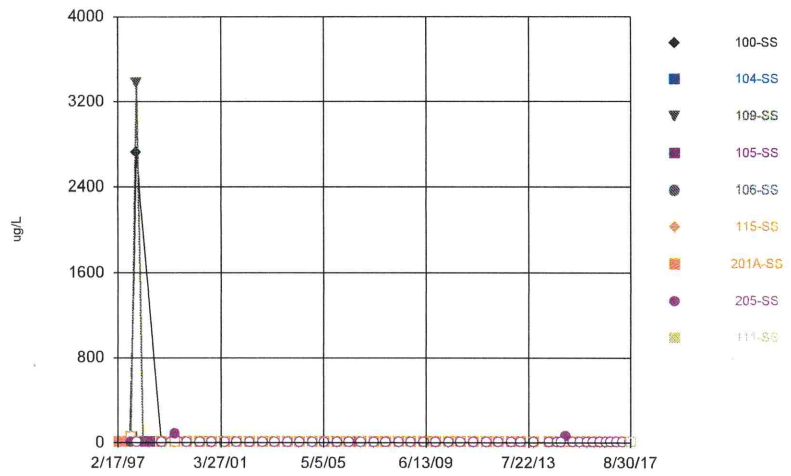
Time Series



Constituent: Iron Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

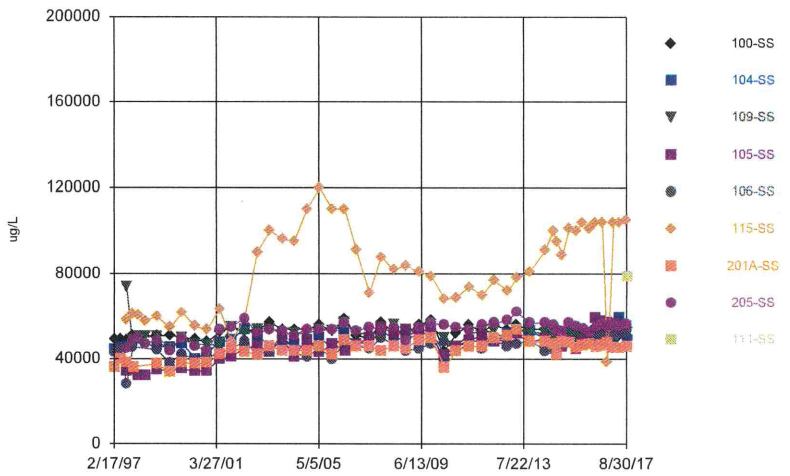
Time Series



Constituent: Lead Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Time Series



Constituent: Magnesium Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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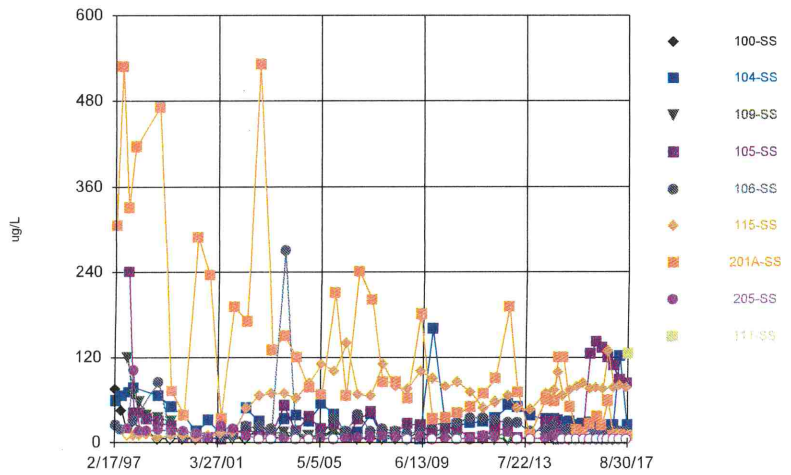
Hollow symbols indicate censored values.

Time Series



Constituent: Manganese Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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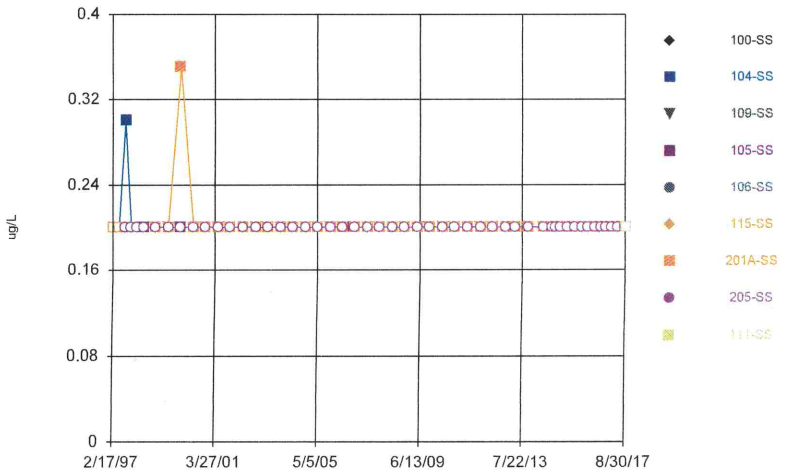
Hollow symbols indicate censored values.

Time Series



Constituent: Mercury Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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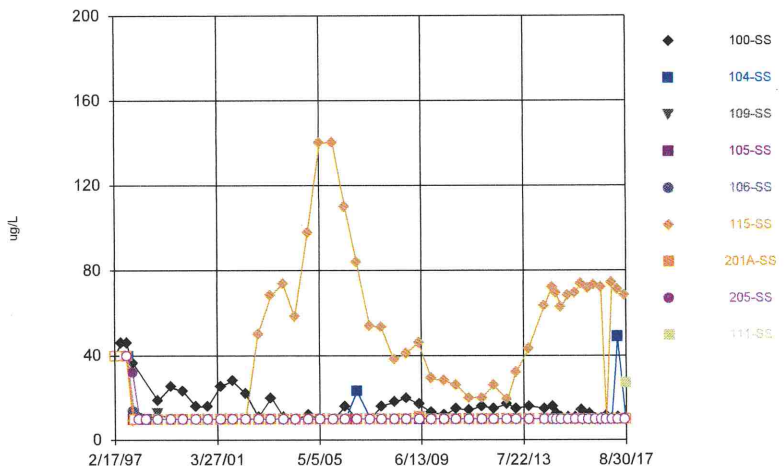
Hollow symbols indicate censored values.

Time Series



Constituent: Nickel Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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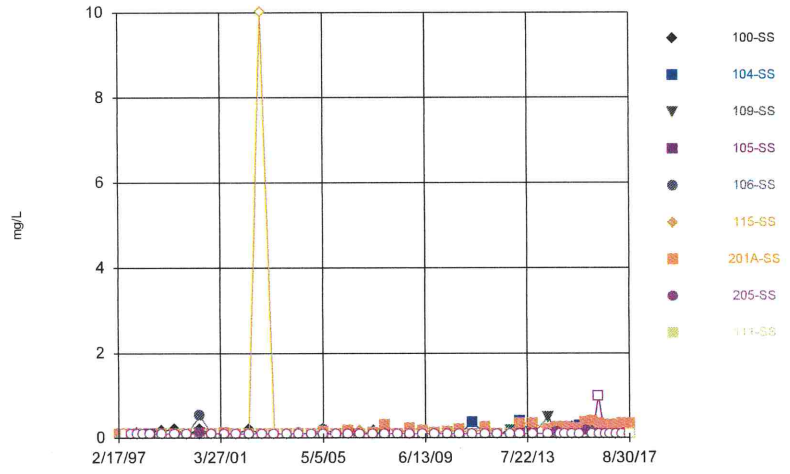
Hollow symbols indicate censored values.

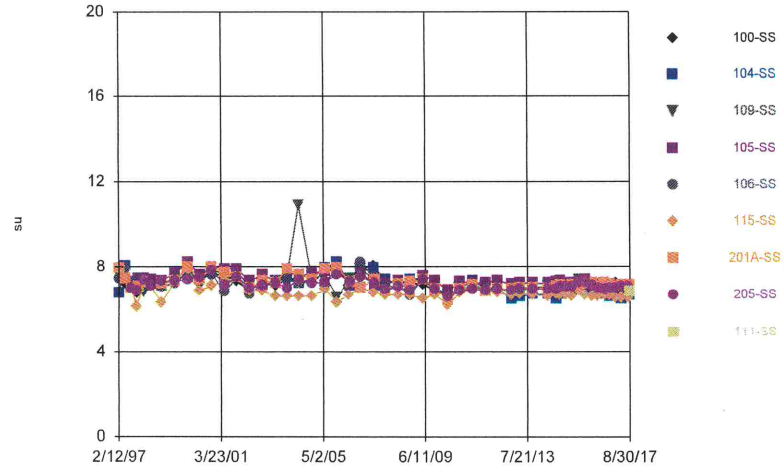
Time Series



Constituent: Nitrate/Nitrite Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

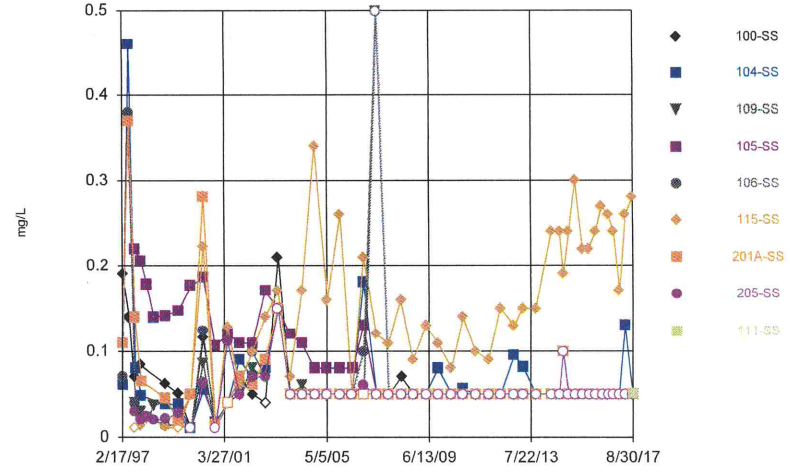
Time Series



Constituent: pH [Field] Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

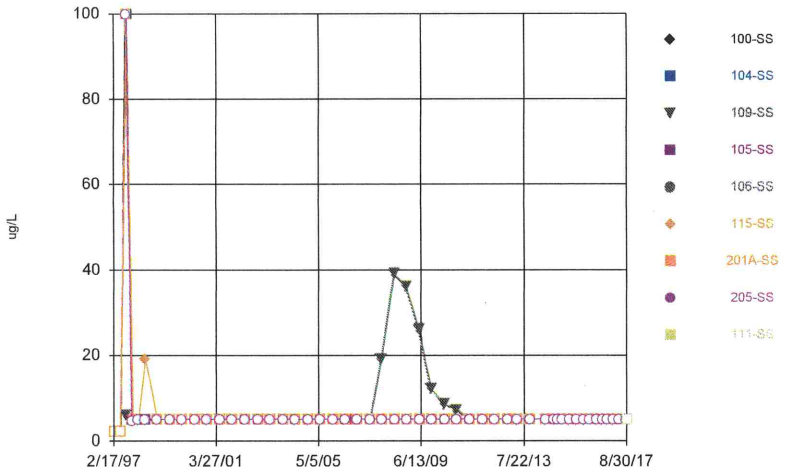
Time Series



Constituent: Phosphorus Total Analysis Run 9/27/2017 10:28 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

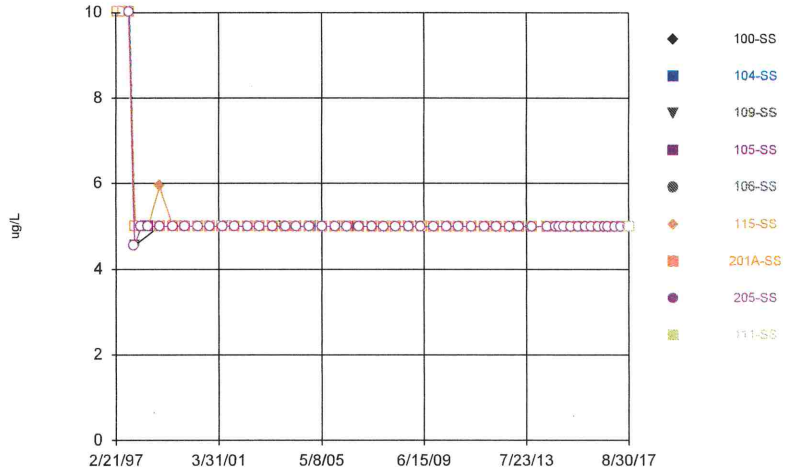
Time Series



Constituent: Selenium Total Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

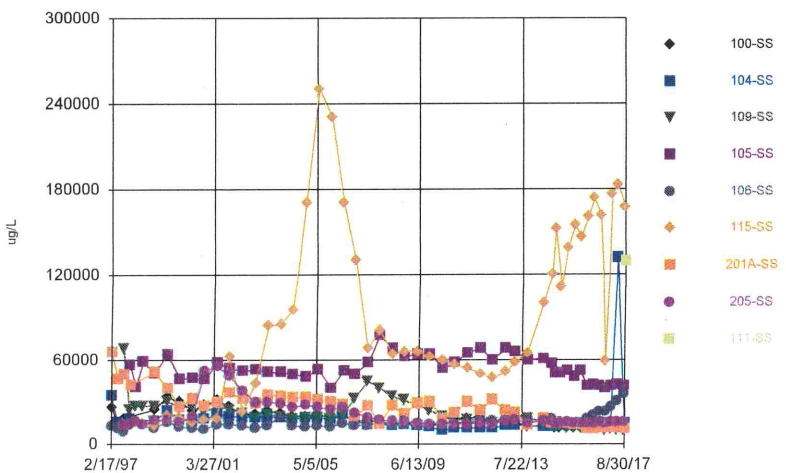
Time Series



Constituent: Silver Total Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

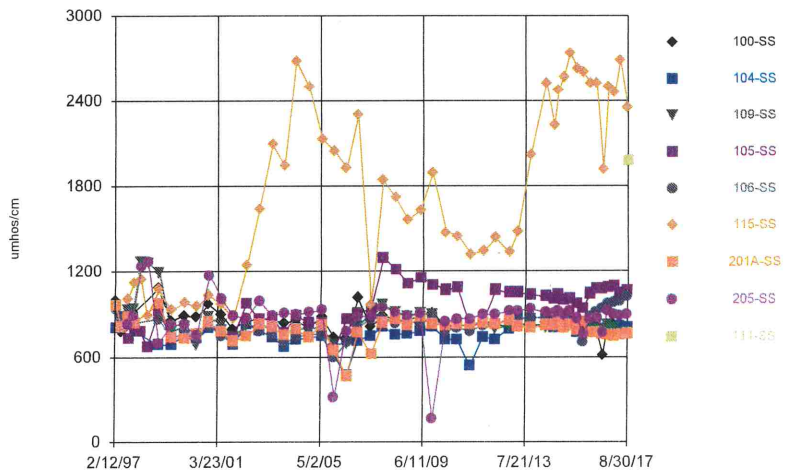
Time Series



Constituent: Sodium Total Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Time Series



Constituent: Specific Conductance [Field] Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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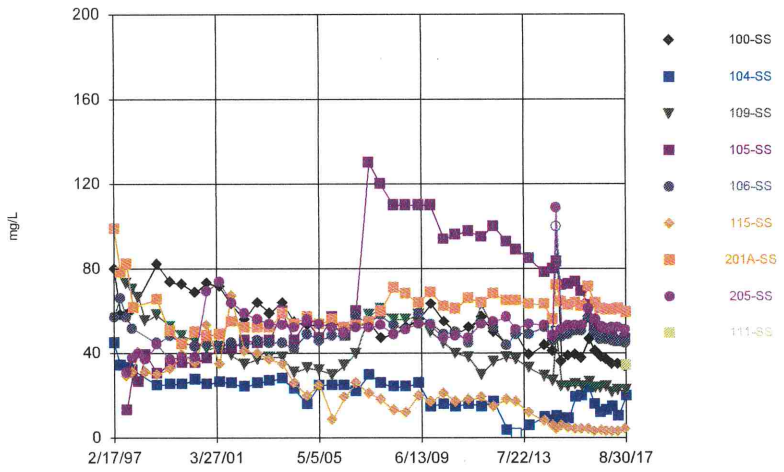
Hollow symbols indicate censored values.

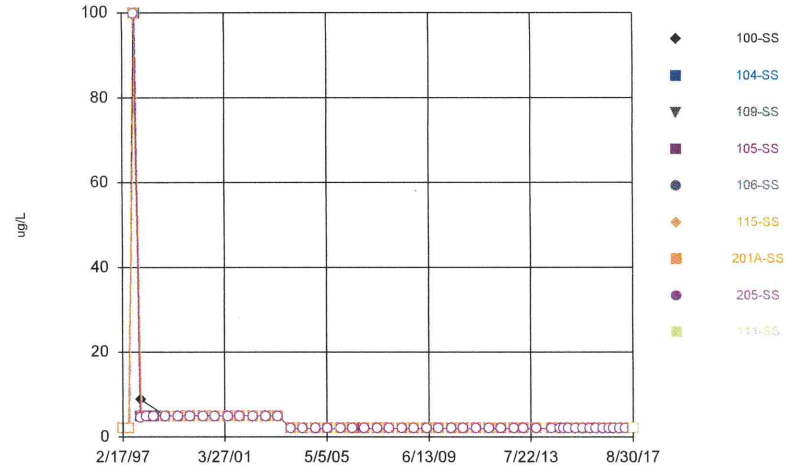
Time Series



Constituent: Sulfate Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

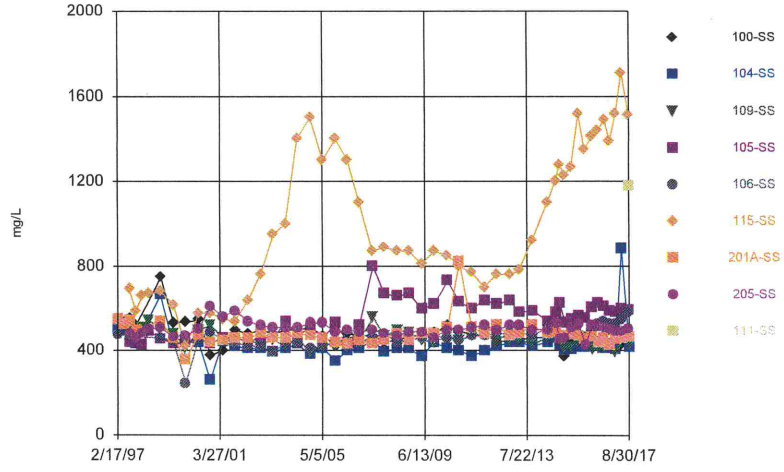
Time Series



Constituent: Thallium Total Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

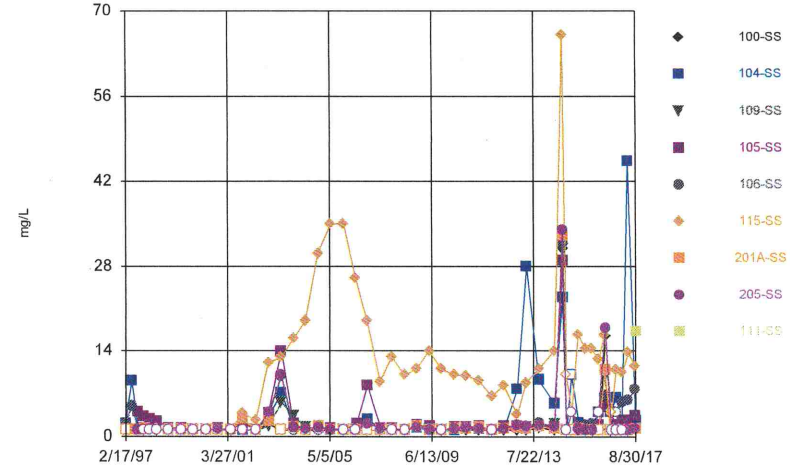
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

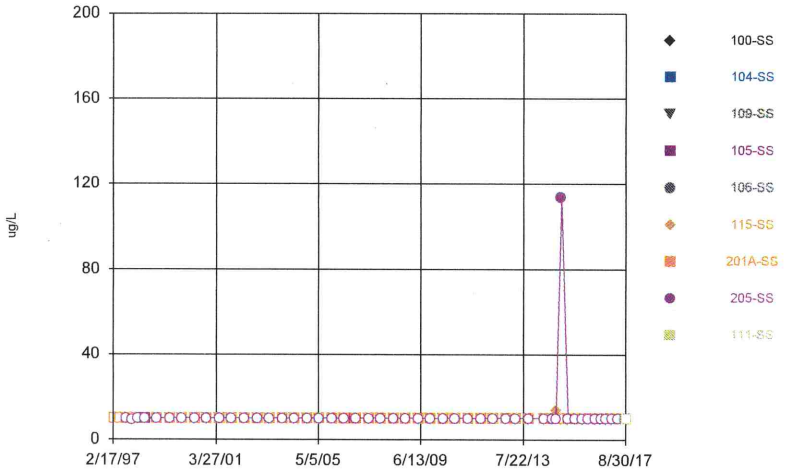
Time Series



Constituent: Total Organic Carbon [TOC] Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

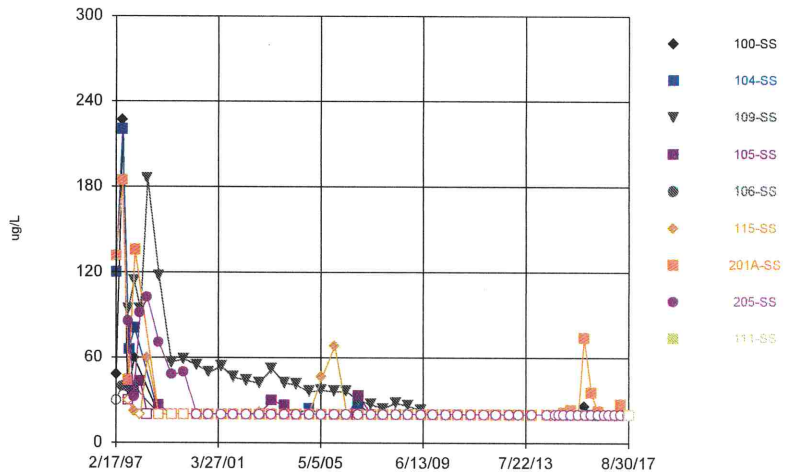
Time Series



Constituent: Vanadium Total Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

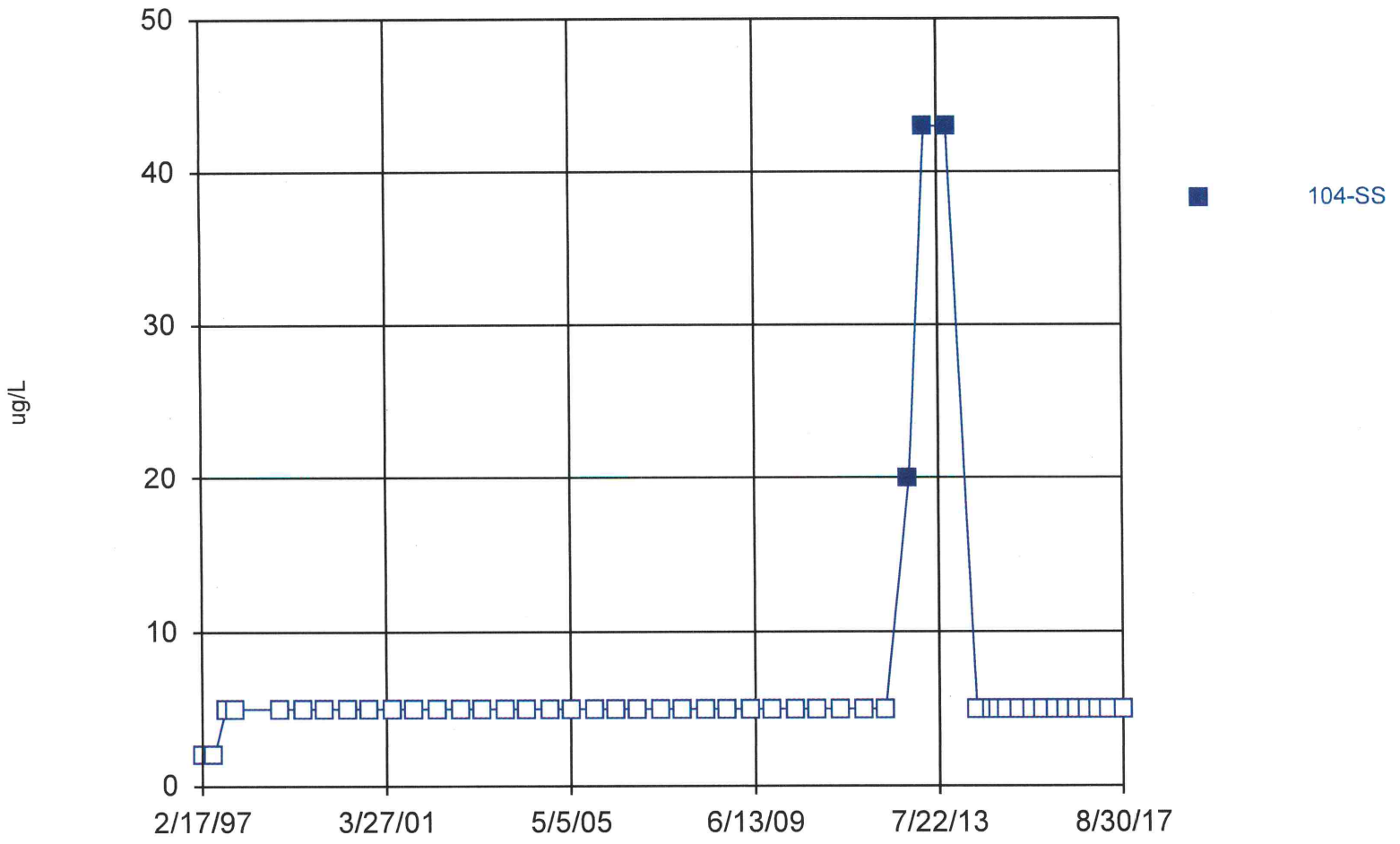
Time Series



Constituent: Zinc Total Analysis Run 9/27/2017 10:29 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

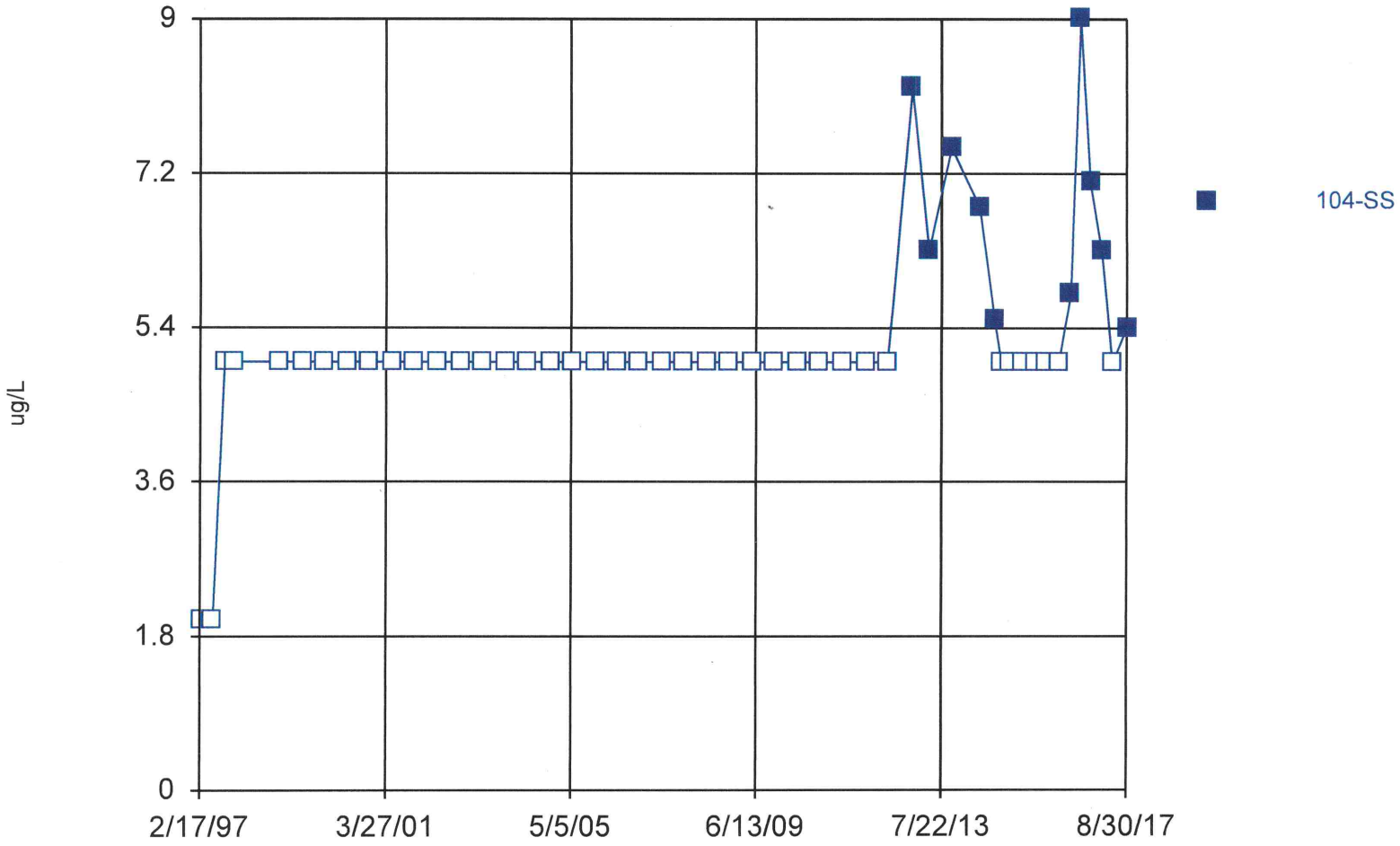


Constituent: 12-Dichloroethane Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

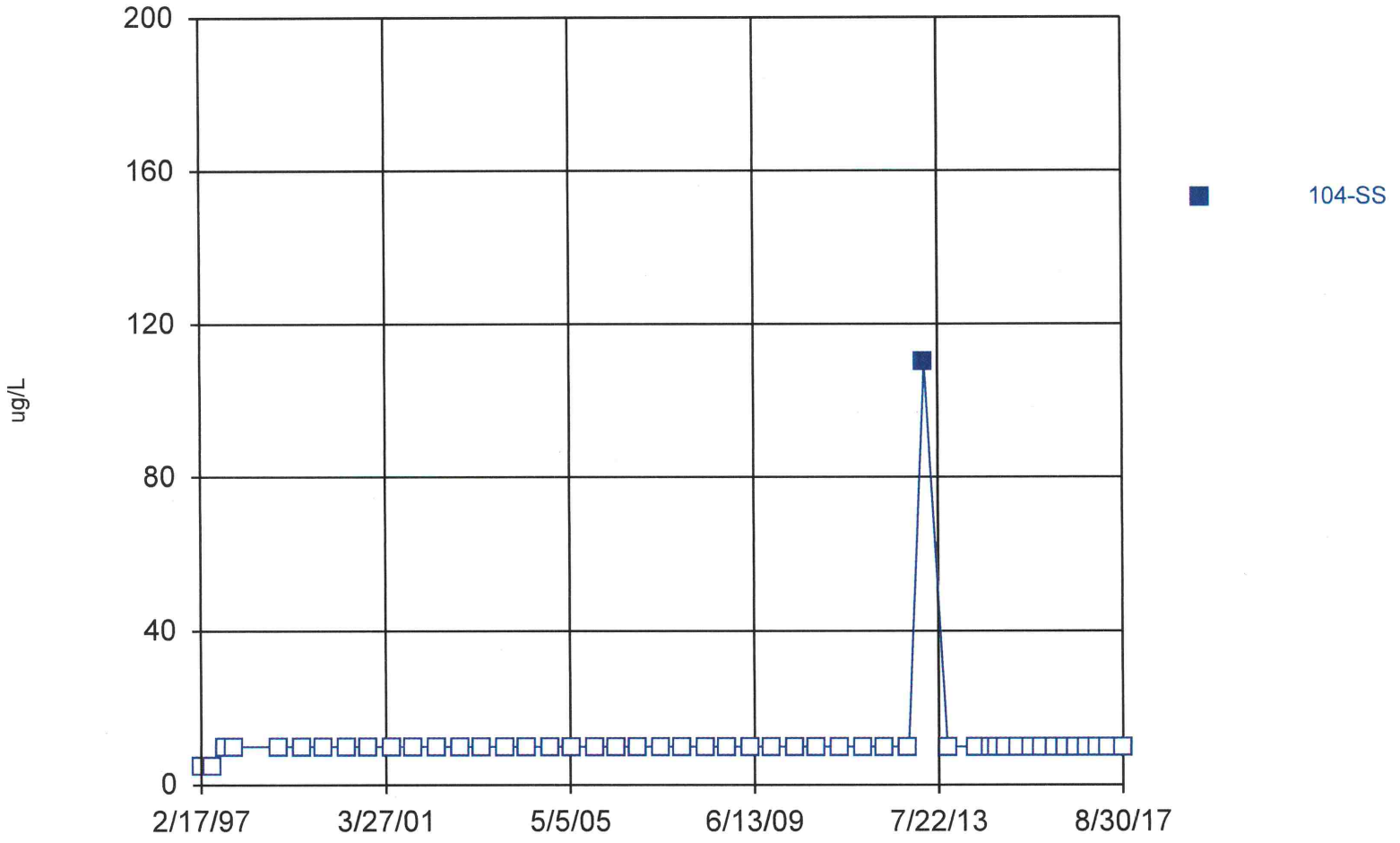


Constituent: 14-Dichlorobenzene Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

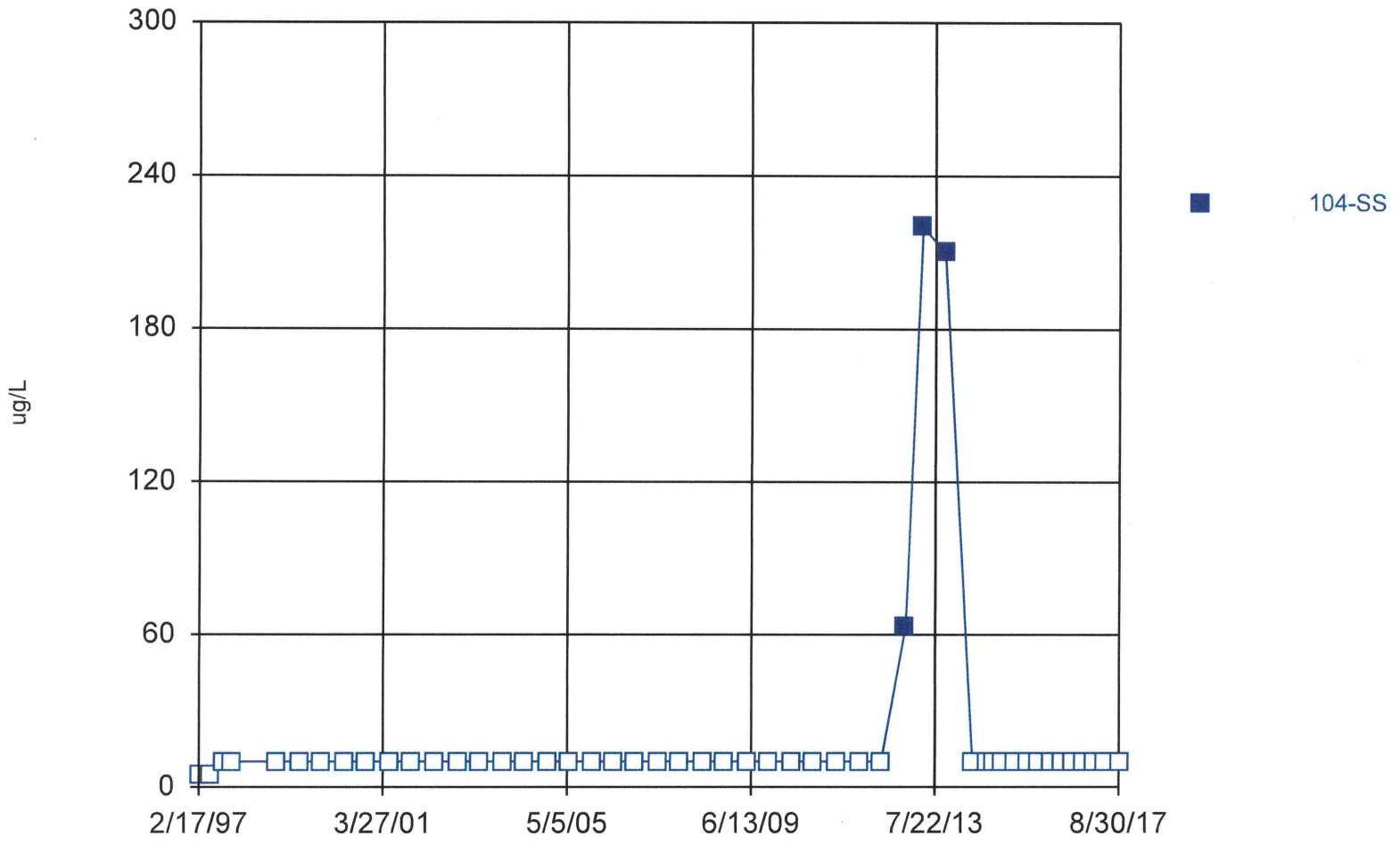


Constituent: 2-Butanone [MEK] Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

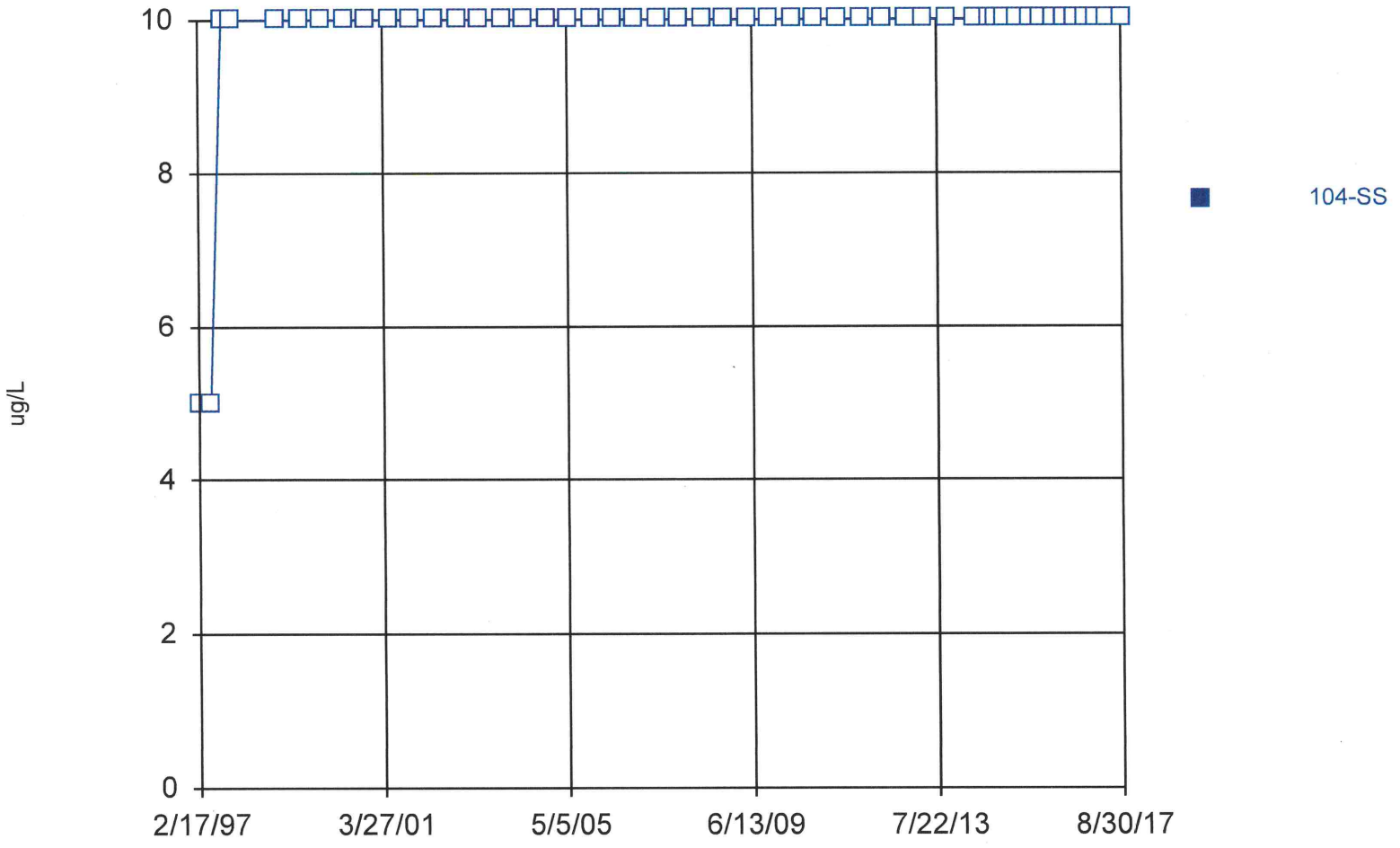


Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

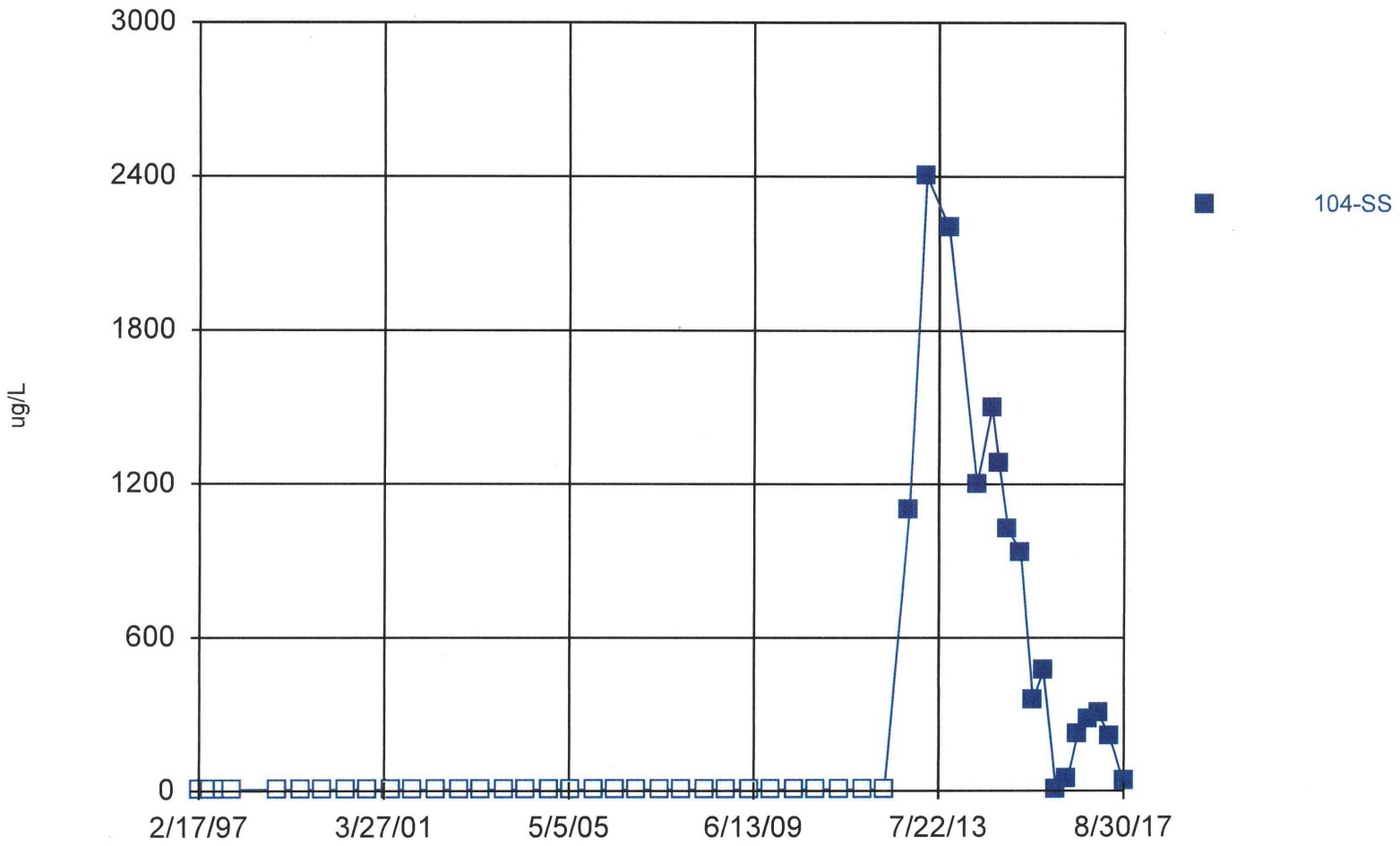


Constituent: Acetone Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

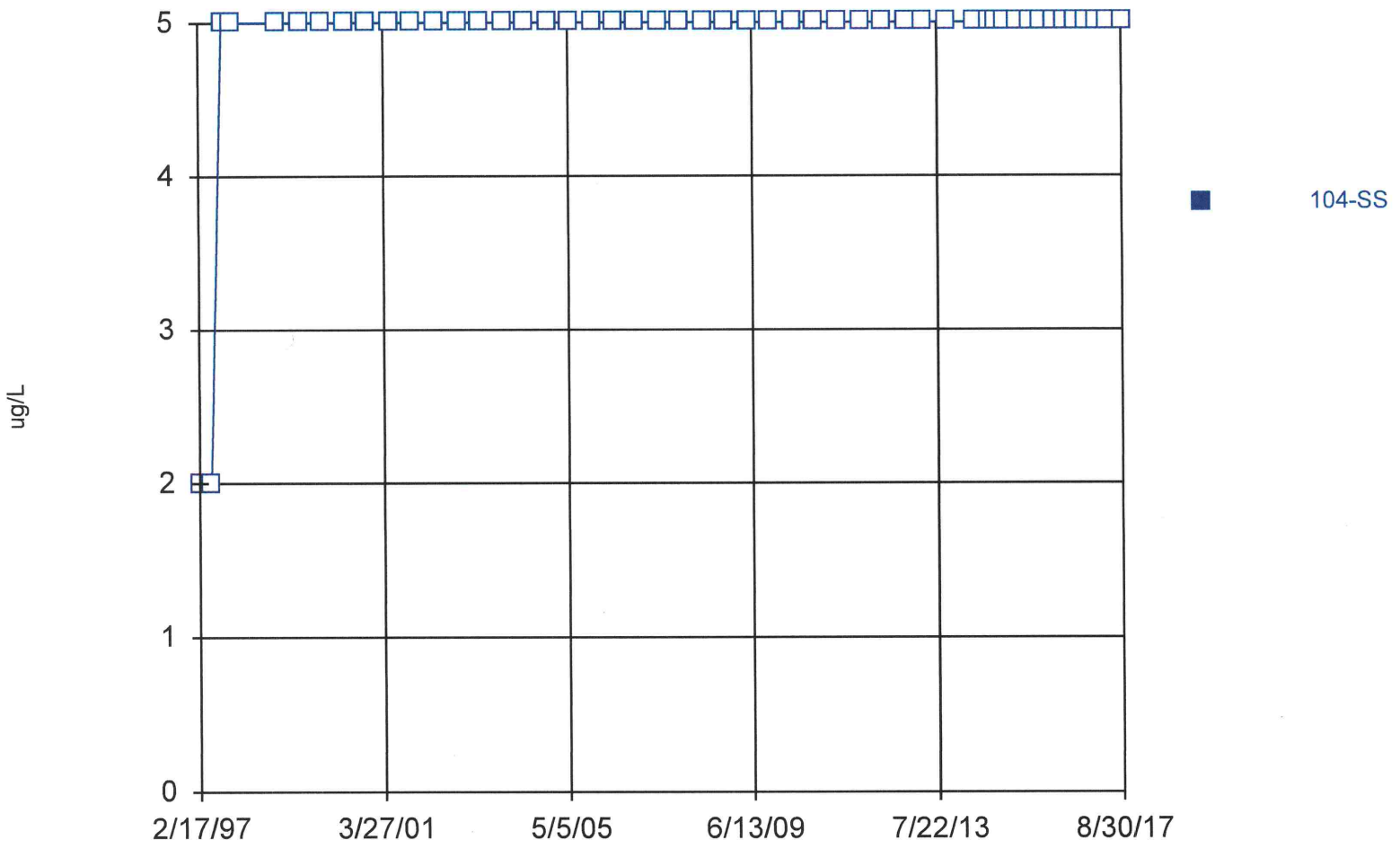


Constituent: Benzene Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

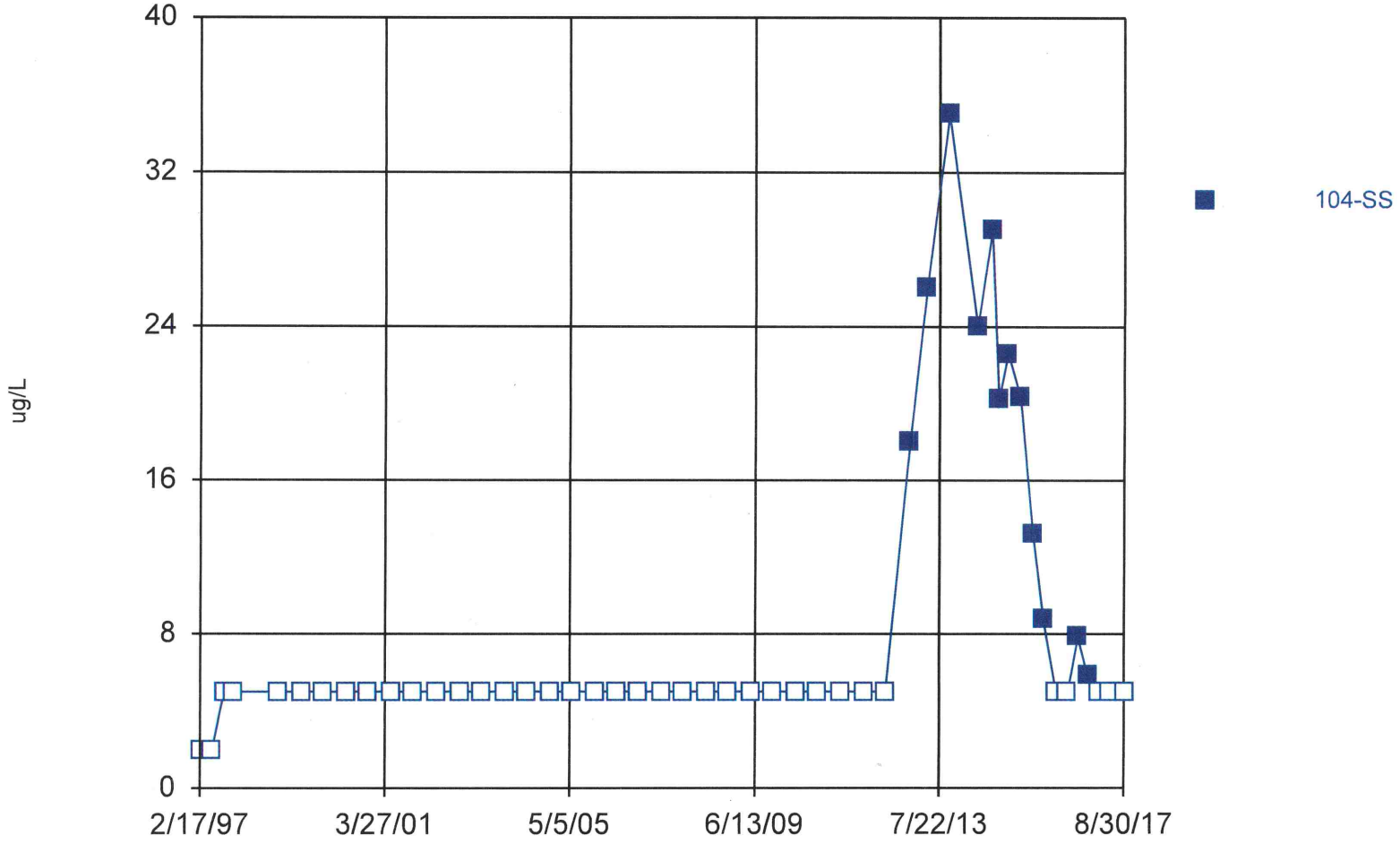


Constituent: Chlorobenzene Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

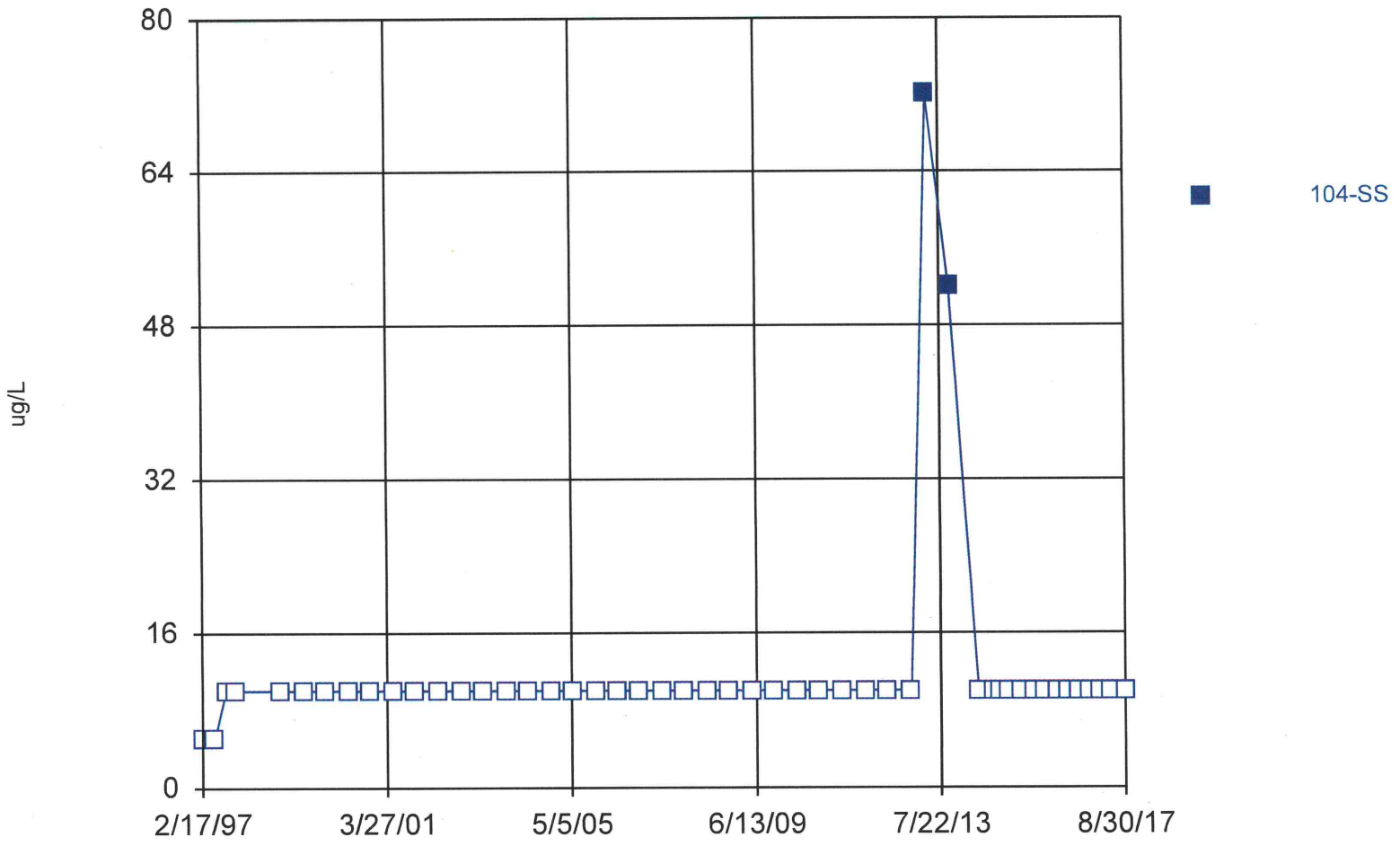


Constituent: Ethylbenzene Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

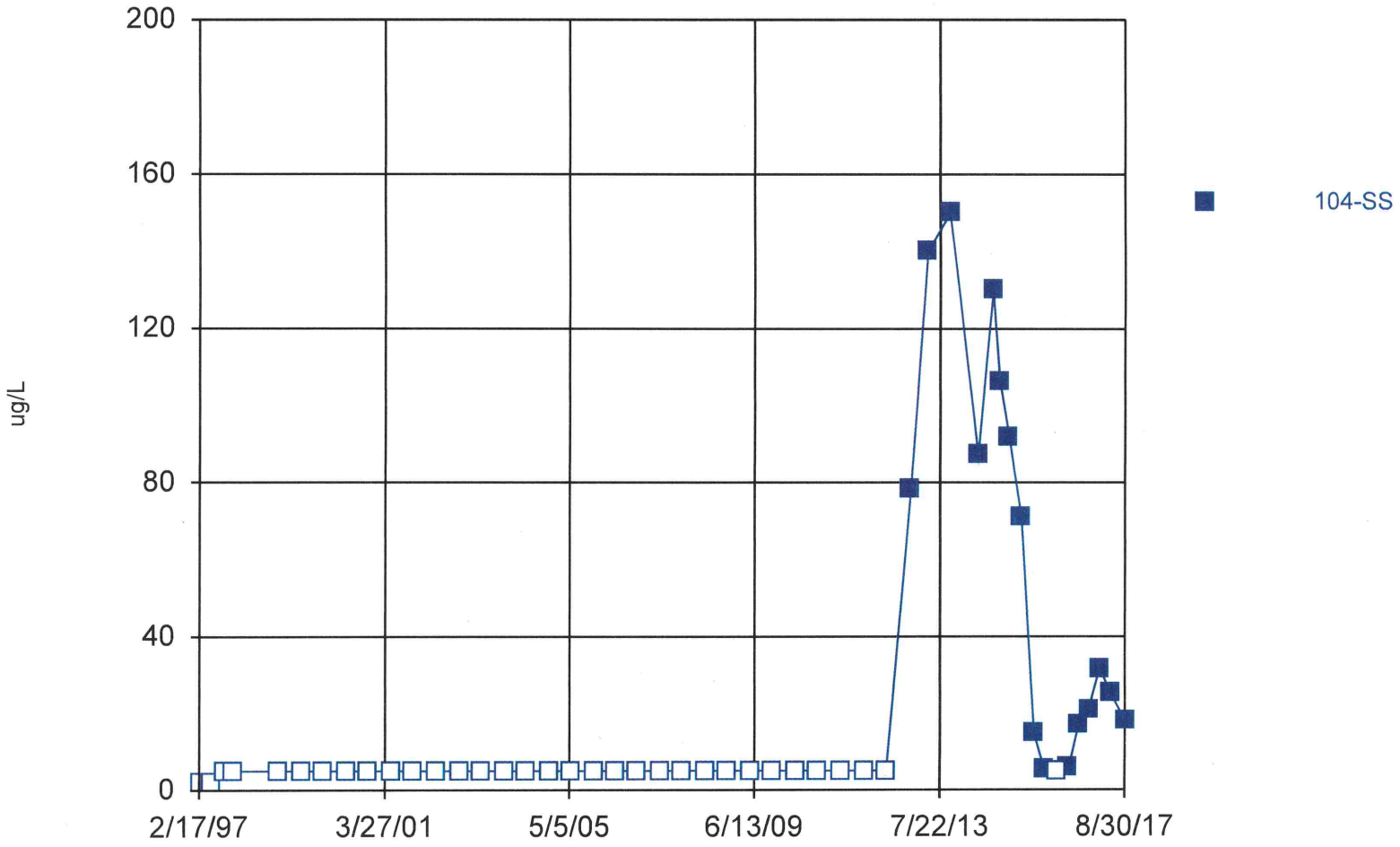


Constituent: Methyl Butyl Ketone [2-Hexanone] Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

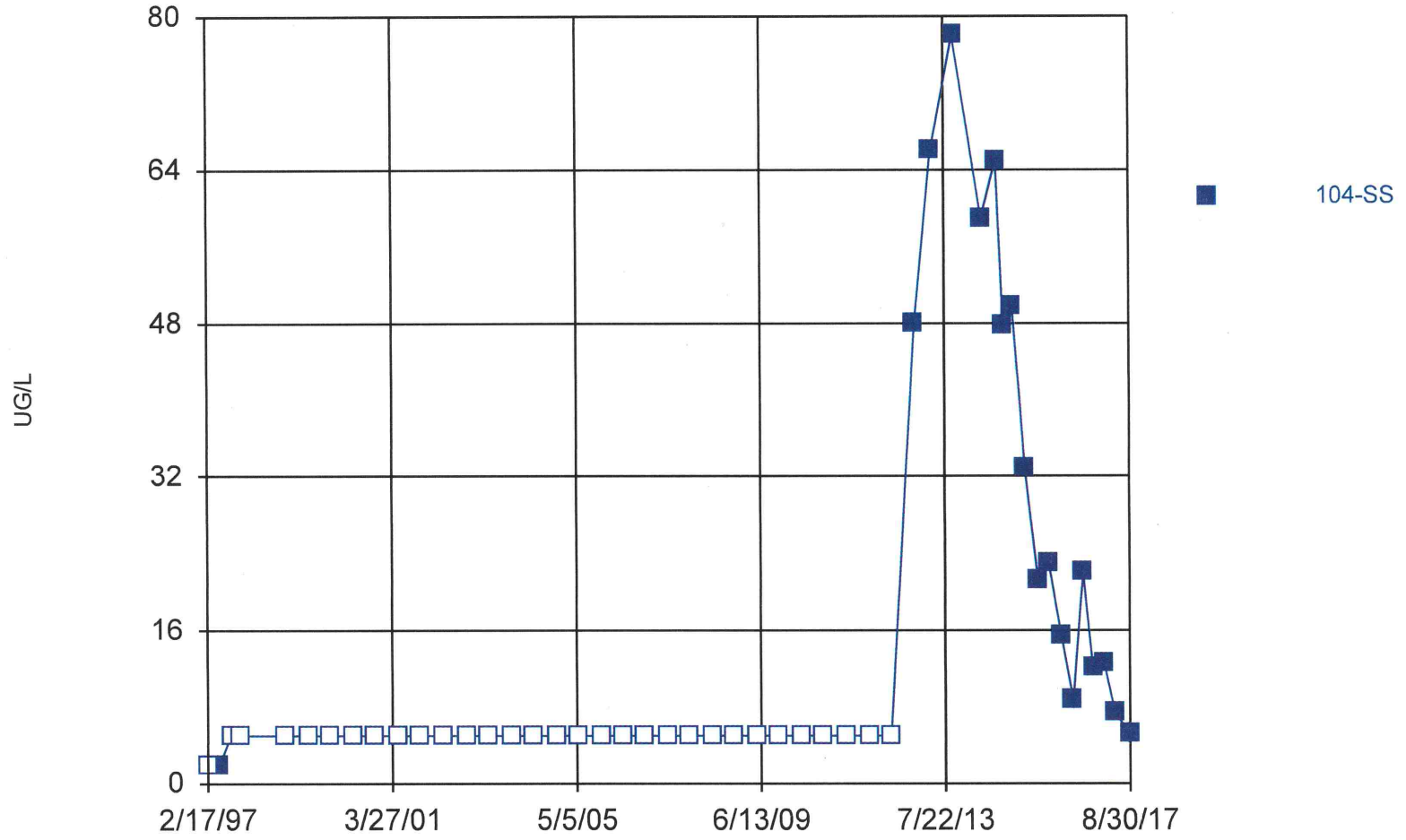


Constituent: Toluene Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes [Total] Analysis Run 9/27/2017 10:52 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

APPENDIX E
STATISTICAL EVALUATIONS
SALEM FORMATION

TREND EVALUATION OF BACKGROUND DATA

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Ammonia as N (mg/L)	100-SD (bg)	-0.00...	-131	-201	No	40	2.5	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	104-SD (bg)	0.01592	150	201	No	40	32.5	n/a	n/a	0.02	NP
Ammonia as N (mg/L)	**106-SD (bg)**	**0.02107**	**403**	**201**	**Yes**	**40**	**40**	**n/a**	**n/a**	**0.02**	**NP**
Ammonia as N (mg/L)	111-SD (bg)	0	-65	-201	No	40	82.5	n/a	n/a	0.02	NP
Antimony Total (ug/L)	100-SD (bg)	0	47	201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	104-SD (bg)	0	42	201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	106-SD (bg)	0	42	201	No	40	100	n/a	n/a	0.02	NP
Antimony Total (ug/L)	111-SD (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	100-SD (bg)	0	-12	-201	No	40	90	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	**104-SD (bg)**	**0**	**341**	**201**	**Yes**	**40**	**82.5**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic Total (ug/L)	106-SD (bg)	0	31	201	No	40	77.5	n/a	n/a	0.02	NP
Arsenic Total (ug/L)	111-SD (bg)	0	114	201	No	40	97.5	n/a	n/a	0.02	NP
Barium Total (ug/L)	100-SD (bg)	0.9366	131	201	No	40	0	n/a	n/a	0.02	NP
Barium Total (ug/L)	**104-SD (bg)**	**9.667**	**437**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium Total (ug/L)	**106-SD (bg)**	**4.028**	**455**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium Total (ug/L)	**111-SD (bg)**	**0.5406**	**269**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium Total (ug/L)	100-SD (bg)	0	17	201	No	40	97.5	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	104-SD (bg)	0	112	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	106-SD (bg)	0	112	201	No	40	100	n/a	n/a	0.02	NP
Beryllium Total (ug/L)	111-SD (bg)	0	81	201	No	40	100	n/a	n/a	0.02	NP
Boron Total (ug/L)	100-SD (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Boron Total (ug/L)	**104-SD (bg)**	**0**	**283**	**201**	**Yes**	**40**	**75**	**n/a**	**n/a**	**0.02**	**NP**
Boron Total (ug/L)	106-SD (bg)	0	154	201	No	40	85	n/a	n/a	0.02	NP
Boron Total (ug/L)	111-SD (bg)	0	-61	-201	No	40	97.5	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	100-SD (bg)	0	-66	-201	No	40	97.5	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	104-SD (bg)	0	-12	-201	No	40	100	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	106-SD (bg)	0	34	201	No	40	97.5	n/a	n/a	0.02	NP
Cadmium Total (ug/L)	111-SD (bg)	0	-35	-201	No	40	100	n/a	n/a	0.02	NP
Calcium Total (ug/L)	100-SD (bg)	-199.7	-173	-201	No	40	0	n/a	n/a	0.02	NP
Calcium Total (ug/L)	104-SD (bg)	275	179	201	No	40	0	n/a	n/a	0.02	NP
Calcium Total (ug/L)	**106-SD (bg)**	**963.8**	**234**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Calcium Total (ug/L)	111-SD (bg)	0	-1	-201	No	40	0	n/a	n/a	0.02	NP
Chemical Oxygen Demand [COD] (m...	**100-SD (bg)**	**0**	**-356**	**-201**	**Yes**	**40**	**92.5**	**n/a**	**n/a**	**0.02**	**NP**
Chemical Oxygen Demand [COD] (m...	**104-SD (bg)**	**1.603**	**366**	**201**	**Yes**	**40**	**62.5**	**n/a**	**n/a**	**0.02**	**NP**
Chemical Oxygen Demand [COD] (m...	106-SD (bg)	0	123	201	No	40	75	n/a	n/a	0.02	NP
Chemical Oxygen Demand [COD] (m...	**111-SD (bg)**	**0**	**-366**	**-201**	**Yes**	**40**	**95**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	100-SD (bg)	0	31	201	No	40	90	n/a	n/a	0.02	NP
Chloride (mg/L)	**104-SD (bg)**	**7.593**	**494**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**106-SD (bg)**	**-0.5238**	**-243**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**111-SD (bg)**	**-0.3646**	**-583**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chromium Total (ug/L)	100-SD (bg)	0	-201	-201	No	40	90	n/a	n/a	0.02	NP
Chromium Total (ug/L)	104-SD (bg)	0	126	201	No	40	82.5	n/a	n/a	0.02	NP
Chromium Total (ug/L)	106-SD (bg)	0	24	201	No	40	82.5	n/a	n/a	0.02	NP
Chromium Total (ug/L)	111-SD (bg)	0	-113	-201	No	40	95	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	100-SD (bg)	0	-101	-201	No	40	100	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	104-SD (bg)	0	-87	-201	No	40	97.5	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	106-SD (bg)	0	-5	-201	No	40	90	n/a	n/a	0.02	NP
Cobalt Total (ug/L)	111-SD (bg)	0	-135	-201	No	40	100	n/a	n/a	0.02	NP
Copper Total (ug/L)	100-SD (bg)	0	-101	-201	No	40	100	n/a	n/a	0.02	NP
Copper Total (ug/L)	104-SD (bg)	0	-37	-201	No	40	95	n/a	n/a	0.02	NP

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Copper Total (ug/L)	106-SD (bg)	0	-59	-201	No	40	95	n/a	n/a	0.02	NP
Copper Total (ug/L)	111-SD (bg)	0	-170	-201	No	40	95	n/a	n/a	0.02	NP
Fluoride (mg/L)	100-SD (bg)	0	-24	-186	No	38	0	n/a	n/a	0.02	NP
Fluoride (mg/L)	104-SD (bg)	-0.00...	-133	-186	No	38	5.263	n/a	n/a	0.02	NP
Fluoride (mg/L)	106-SD (bg)	0.009986	129	186	No	38	2.632	n/a	n/a	0.02	NP
Fluoride (mg/L)	111-SD (bg)	0.000...	76	186	No	38	0	n/a	n/a	0.02	NP
Hardness Total (mg/L)	100-SD (bg)	0	-54	-201	No	40	0	n/a	n/a	0.02	NP
Hardness Total (mg/L)	**104-SD (bg)**	**3.617**	**289**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Hardness Total (mg/L)	**106-SD (bg)**	**5.378**	**273**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Hardness Total (mg/L)	111-SD (bg)	0	5	201	No	40	0	n/a	n/a	0.02	NP
Iron Total (ug/L)	**100-SD (bg)**	**-43.81**	**-299**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Iron Total (ug/L)	104-SD (bg)	96.79	157	201	No	40	0	n/a	n/a	0.02	NP
Iron Total (ug/L)	**106-SD (bg)**	**133.3**	**256**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Iron Total (ug/L)	111-SD (bg)	-44.22	-199	-201	No	40	0	n/a	n/a	0.02	NP
Lead Total (ug/L)	100-SD (bg)	0	47	201	No	40	100	n/a	n/a	0.02	NP
Lead Total (ug/L)	104-SD (bg)	0	42	201	No	40	100	n/a	n/a	0.02	NP
Lead Total (ug/L)	106-SD (bg)	0	96	201	No	40	97.5	n/a	n/a	0.02	NP
Lead Total (ug/L)	111-SD (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP
Magnesium Total (ug/L)	100-SD (bg)	3.08	70	201	No	40	0	n/a	n/a	0.02	NP
Magnesium Total (ug/L)	**104-SD (bg)**	**595.7**	**376**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Magnesium Total (ug/L)	**106-SD (bg)**	**446.9**	**249**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Magnesium Total (ug/L)	111-SD (bg)	-31.99	-67	-201	No	40	0	n/a	n/a	0.02	NP
Manganese Total (ug/L)	**100-SD (bg)**	**-6.669**	**-667**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Manganese Total (ug/L)	104-SD (bg)	1.929	171	201	No	40	0	n/a	n/a	0.02	NP
Manganese Total (ug/L)	106-SD (bg)	-2.705	-60	-201	No	40	0	n/a	n/a	0.02	NP
Manganese Total (ug/L)	**111-SD (bg)**	**-0.7201**	**-457**	**-201**	**Yes**	**40**	**45**	**n/a**	**n/a**	**0.02**	**NP**
Mercury Total (ug/L)	100-SD (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	104-SD (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	106-SD (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Mercury Total (ug/L)	111-SD (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Nickel Total (ug/L)	100-SD (bg)	0	-101	-201	No	40	100	n/a	n/a	0.02	NP
Nickel Total (ug/L)	104-SD (bg)	0	198	201	No	40	75	n/a	n/a	0.02	NP
Nickel Total (ug/L)	106-SD (bg)	0	15	201	No	40	90	n/a	n/a	0.02	NP
Nickel Total (ug/L)	111-SD (bg)	0	-135	-201	No	40	100	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	100-SD (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	104-SD (bg)	0	-8	-201	No	40	95	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	106-SD (bg)	0	-63	-201	No	40	97.5	n/a	n/a	0.02	NP
Nitrate/Nitrite (mg/L)	111-SD (bg)	0	15	201	No	40	90	n/a	n/a	0.02	NP
pH [Field] (su)	100-SD (bg)	-0.01949	-136	-201	No	40	0	n/a	n/a	0.02	NP
pH [Field] (su)	**104-SD (bg)**	**-0.04514**	**-318**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
pH [Field] (su)	**106-SD (bg)**	**-0.03461**	**-354**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
pH [Field] (su)	111-SD (bg)	-0.01585	-138	-201	No	40	0	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	**100-SD (bg)**	**-0.00...**	**-354**	**-201**	**Yes**	**40**	**65**	**n/a**	**n/a**	**0.02**	**NP**
Phosphorus Total (mg/L)	104-SD (bg)	0	116	201	No	40	47.5	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	106-SD (bg)	0.004108	185	201	No	40	15	n/a	n/a	0.02	NP
Phosphorus Total (mg/L)	111-SD (bg)	0	3	201	No	40	72.5	n/a	n/a	0.02	NP
Selenium Total (ug/L)	100-SD (bg)	0	47	201	No	40	100	n/a	n/a	0.02	NP
Selenium Total (ug/L)	104-SD (bg)	0	42	201	No	40	100	n/a	n/a	0.02	NP
Selenium Total (ug/L)	106-SD (bg)	0	74	201	No	40	97.5	n/a	n/a	0.02	NP
Selenium Total (ug/L)	111-SD (bg)	0	11	201	No	40	100	n/a	n/a	0.02	NP

Trend Test

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Silver Total (ug/L)	100-SD (bg)	0	-25	-186	No	38	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	104-SD (bg)	0	-28	-186	No	38	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	106-SD (bg)	0	-63	-194	No	39	100	n/a	n/a	0.02	NP
Silver Total (ug/L)	111-SD (bg)	0	-98	-194	No	39	100	n/a	n/a	0.02	NP
Sodium Total (ug/L)	**100-SD (bg)**	**-253.5**	**-546**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	**104-SD (bg)**	**3202**	**597**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	**106-SD (bg)**	**-1074**	**-298**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sodium Total (ug/L)	111-SD (bg)	-74.78	-132	-201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	100-SD (bg)	-0.9396	-91	-201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	**104-SD (bg)**	**26.36**	**365**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Specific Conductance [Field] (u...	106-SD (bg)	-4.65	-136	-201	No	40	0	n/a	n/a	0.02	NP
Specific Conductance [Field] (u...	**111-SD (bg)**	**-4.974**	**-243**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	100-SD (bg)	0	29	201	No	40	0	n/a	n/a	0.02	NP
Sulfate as SO4 (mg/L)	104-SD (bg)	-1.274	-176	-201	No	40	0	n/a	n/a	0.02	NP
Sulfate as SO4 (mg/L)	**106-SD (bg)**	**-4.359**	**-587**	**-201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate as SO4 (mg/L)	**111-SD (bg)**	**-0.7977**	**-581**	**-201**	**Yes**	**40**	**2.5**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**100-SD (bg)**	**0**	**-303**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**104-SD (bg)**	**0**	**-270**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**106-SD (bg)**	**0**	**-270**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium Total (ug/L)	**111-SD (bg)**	**0**	**-314**	**-201**	**Yes**	**40**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Total Dissolved Solids [TDS] (m...	**100-SD (bg)**	**-2.689**	**-301**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Total Dissolved Solids [TDS] (m...	**104-SD (bg)**	**16.66**	**360**	**201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Total Dissolved Solids [TDS] (m...	106-SD (bg)	-7.344	-193	-201	No	40	0	n/a	n/a	0.02	NP
Total Dissolved Solids [TDS] (m...	**111-SD (bg)**	**-2.784**	**-253**	**-201**	**Yes**	**40**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Total Organic Carbon [TOC] (mg/L)	100-SD (bg)	0	-82	-201	No	40	32.5	n/a	n/a	0.02	NP
Total Organic Carbon [TOC] (mg/L)	**104-SD (bg)**	**0.2006**	**433**	**201**	**Yes**	**40**	**50**	**n/a**	**n/a**	**0.02**	**NP**
Total Organic Carbon [TOC] (mg/L)	**106-SD (bg)**	**0.07738**	**270**	**201**	**Yes**	**40**	**35**	**n/a**	**n/a**	**0.02**	**NP**
Total Organic Carbon [TOC] (mg/L)	111-SD (bg)	0	145	201	No	40	42.5	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	100-SD (bg)	0	-27	-201	No	40	100	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	104-SD (bg)	0	159	201	No	40	87.5	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	106-SD (bg)	0	109	201	No	40	90	n/a	n/a	0.02	NP
Vanadium Total (ug/L)	111-SD (bg)	0	9	201	No	40	97.5	n/a	n/a	0.02	NP
Zinc Total (ug/L)	**100-SD (bg)**	**0**	**-218**	**-201**	**Yes**	**40**	**82.5**	**n/a**	**n/a**	**0.02**	**NP**
Zinc Total (ug/L)	104-SD (bg)	0	-111	-201	No	40	77.5	n/a	n/a	0.02	NP
Zinc Total (ug/L)	106-SD (bg)	0	-166	-201	No	40	80	n/a	n/a	0.02	NP
Zinc Total (ug/L)	111-SD (bg)	0	-162	-201	No	40	82.5	n/a	n/a	0.02	NP

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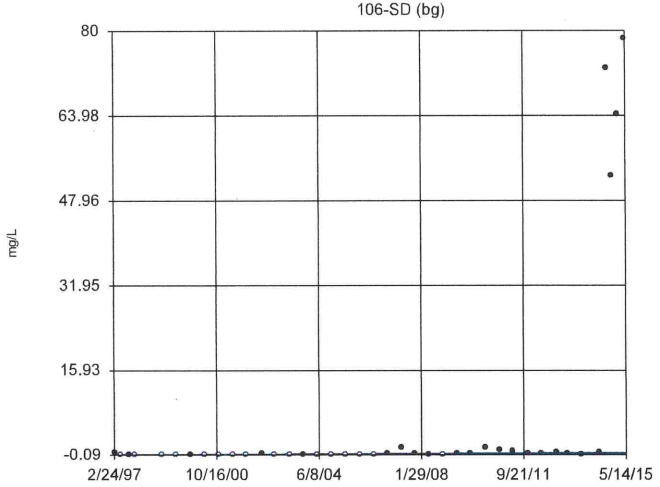
Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = 0.02107 units per year.

Mann-Kendall statistic = 403
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Ammonia as N Analysis Run 1/7/2016 1:19 PM
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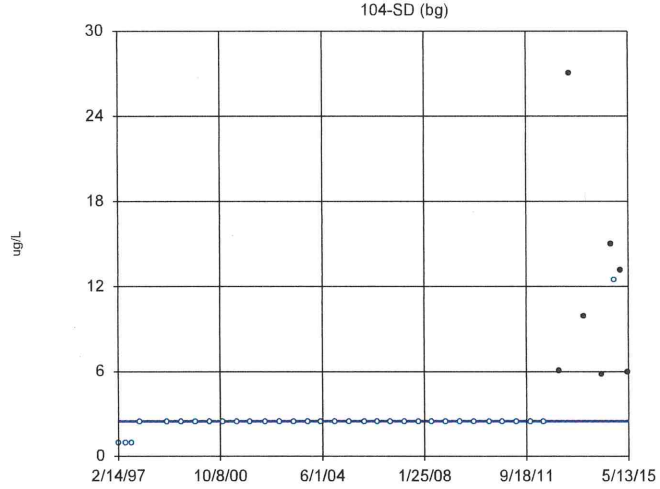
Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = 341
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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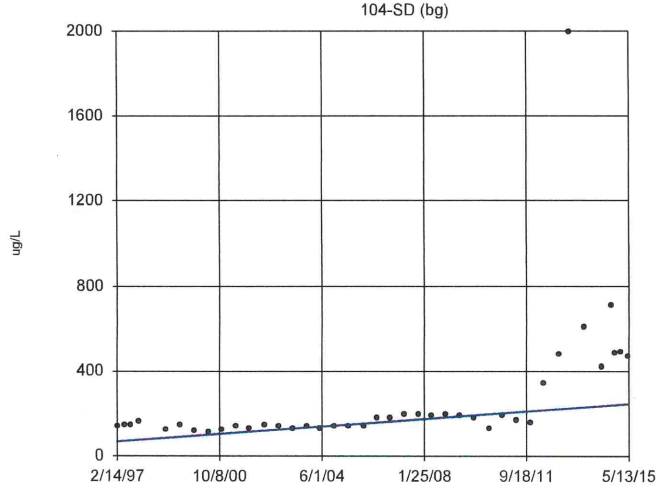
Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 9.667 units per year.

Mann-Kendall statistic = 437
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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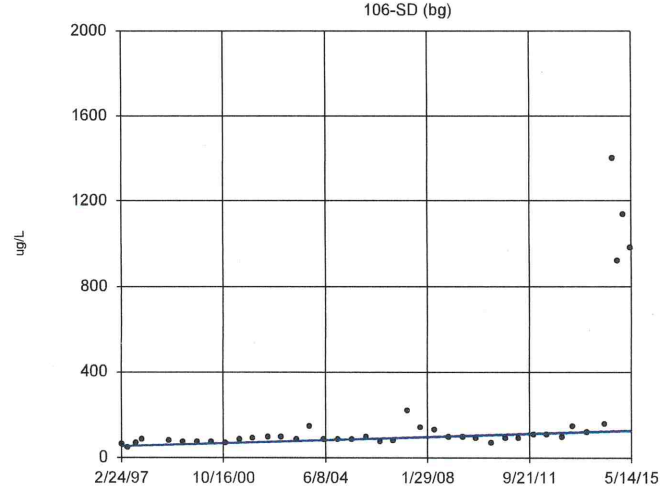
Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = 4.028 units per year.

Mann-Kendall statistic = 455
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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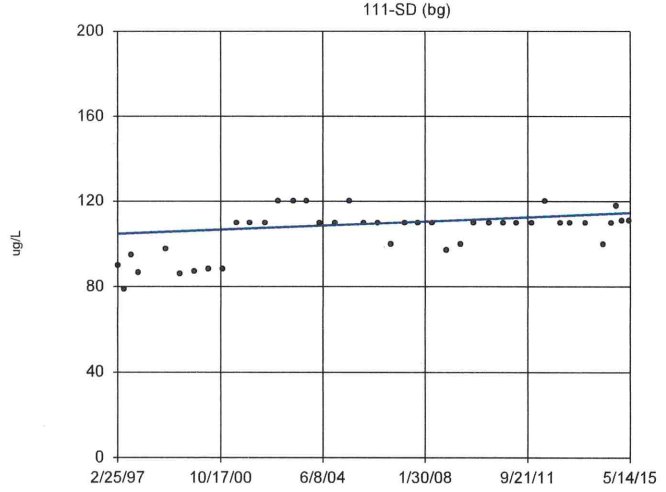
Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = 0.5406 units per year.

Mann-Kendall statistic = 269 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Total Analysis Run 1/7/2016 1:19 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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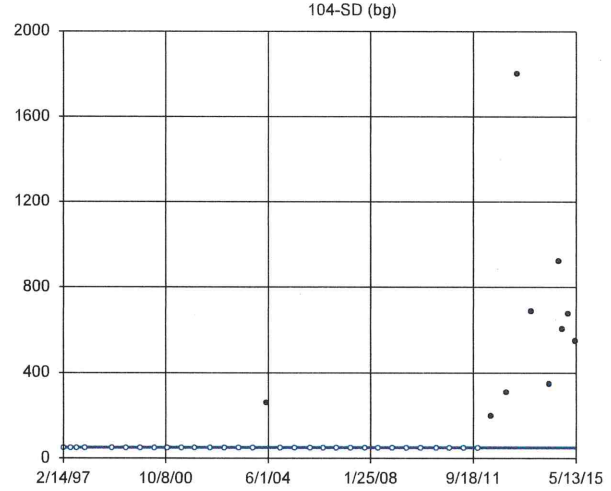
Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = 283 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Boron Total Analysis Run 1/7/2016 1:19 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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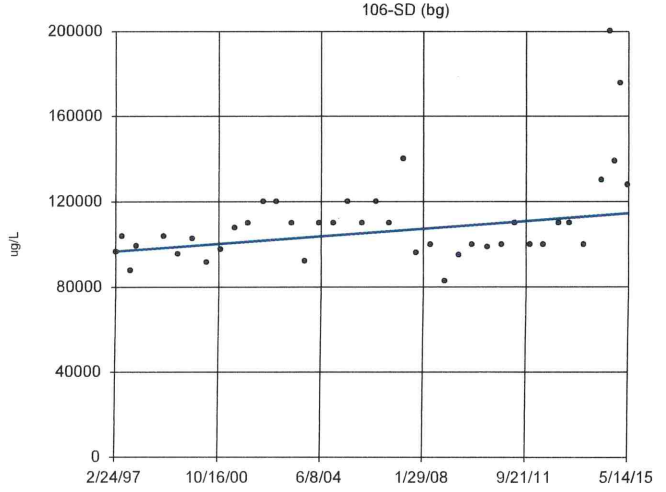
Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = 963.8 units per year.

Mann-Kendall statistic = 234 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Total Analysis Run 1/7/2016 1:19 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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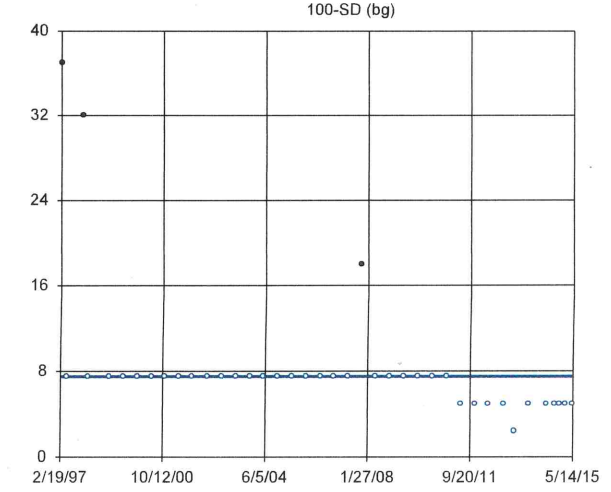
Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SD (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -356 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:19 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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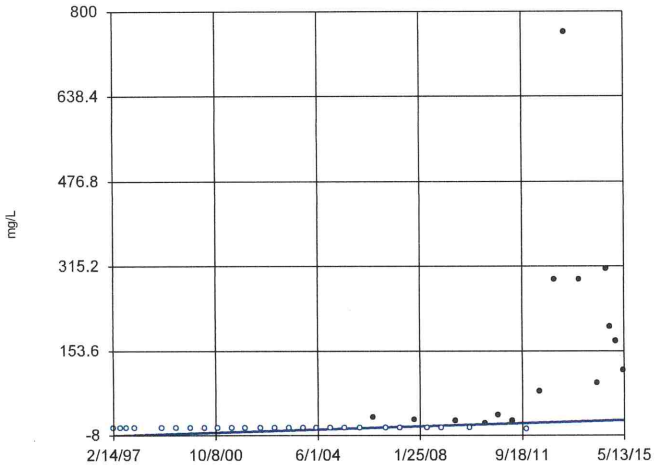
Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 1.603 units per year.

Mann-Kendall statistic = 366
critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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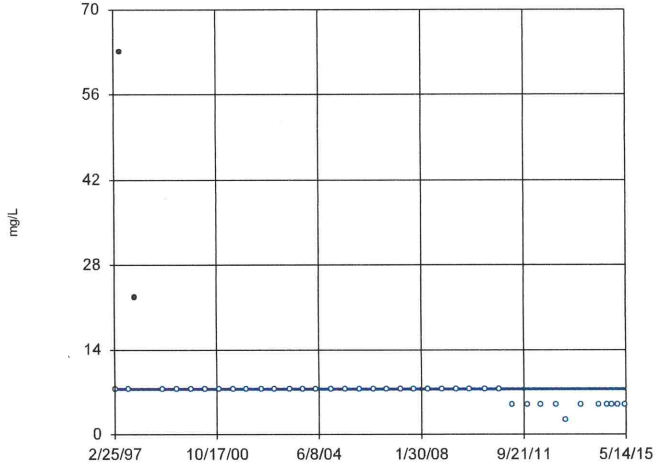
Hollow symbols indicate censored values.

Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -366
critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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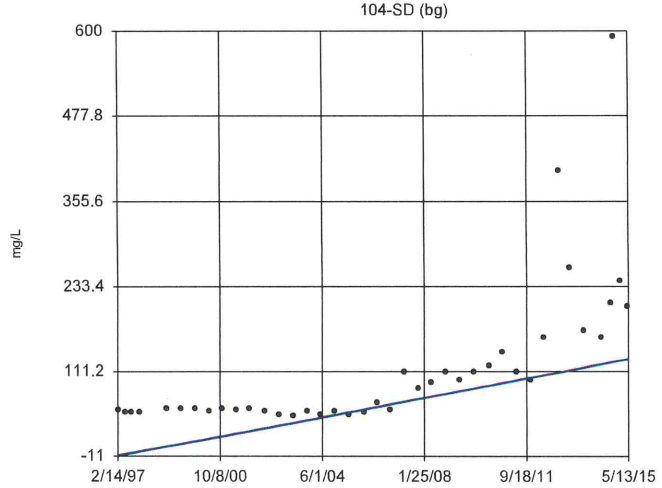
Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 7.593 units per year.

Mann-Kendall statistic = 494
critical = 201

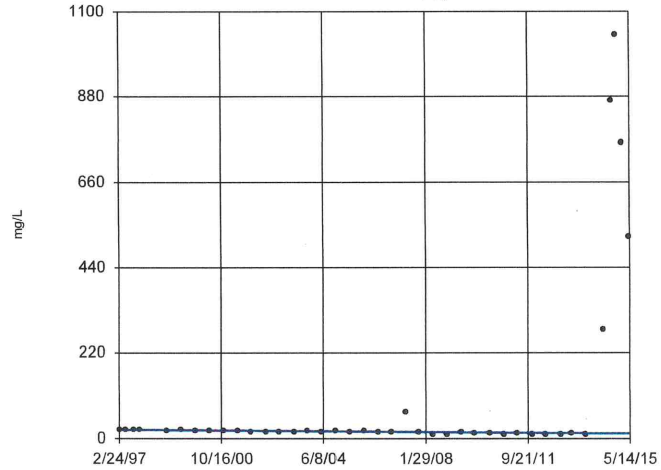
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = -0.5238 units per year.

Mann-Kendall statistic = -243
critical = -201

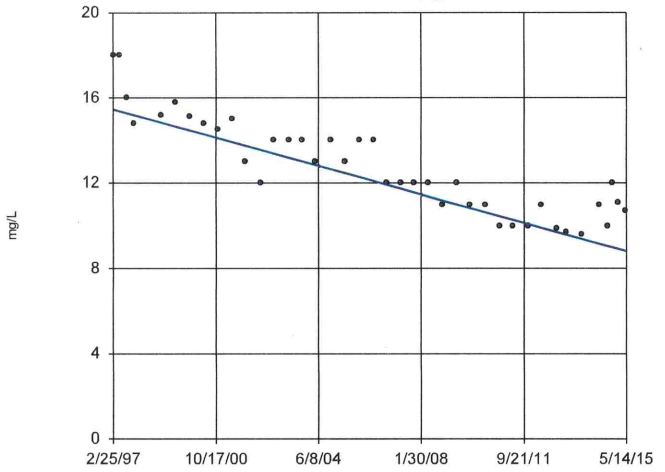
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = -0.3646 units per year.

Mann-Kendall statistic = -583
critical = -201

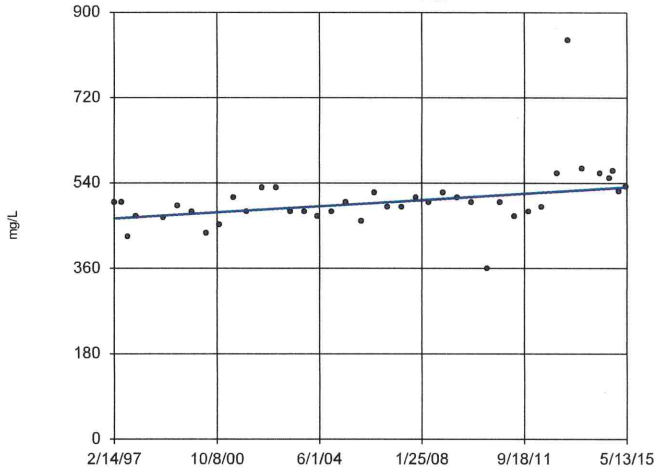
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 3.617 units per year.

Mann-Kendall statistic = 289
critical = 201

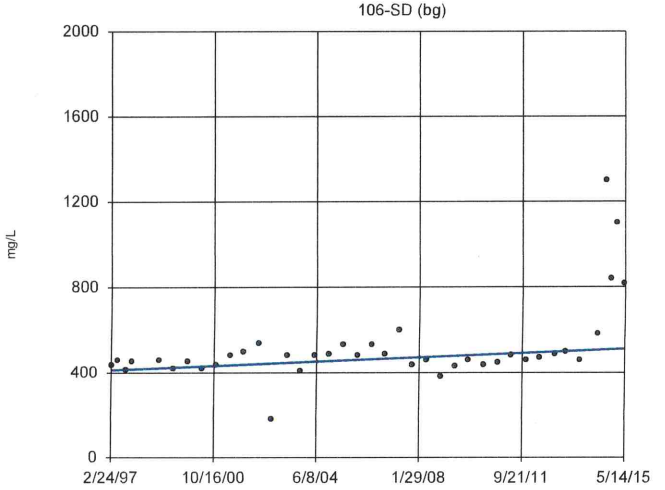
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Hardness Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = 5.378 units per year.

Mann-Kendall statistic = 273
critical = 201

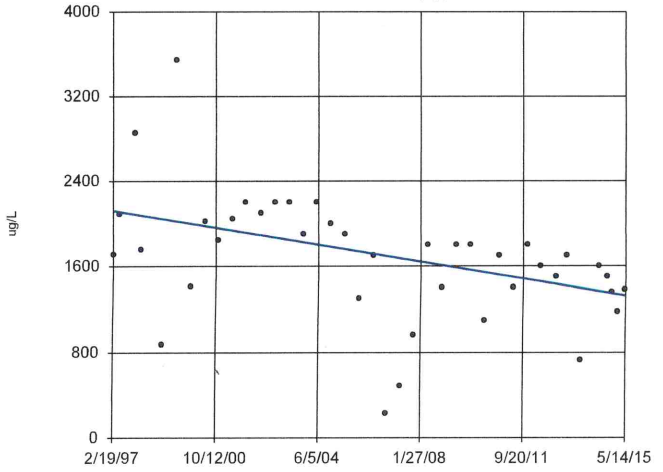
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Hardness Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

100-SD (bg)



n = 40

Slope = -43.81 units per year.

Mann-Kendall statistic = -299
critical = -201

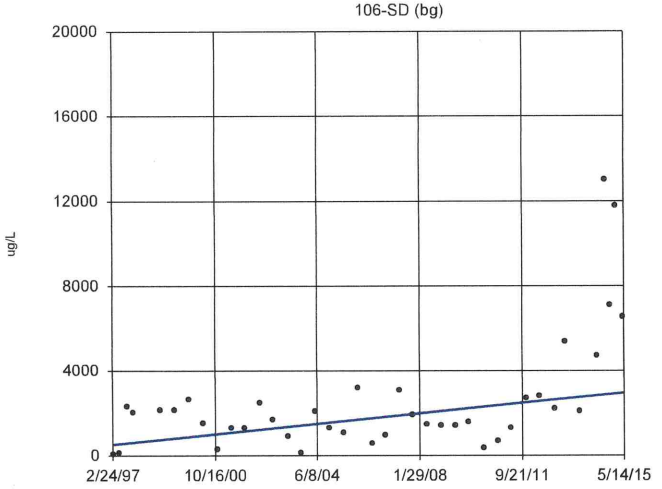
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Iron Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = 133.3 units per year.

Mann-Kendall statistic = 256 critical = 201

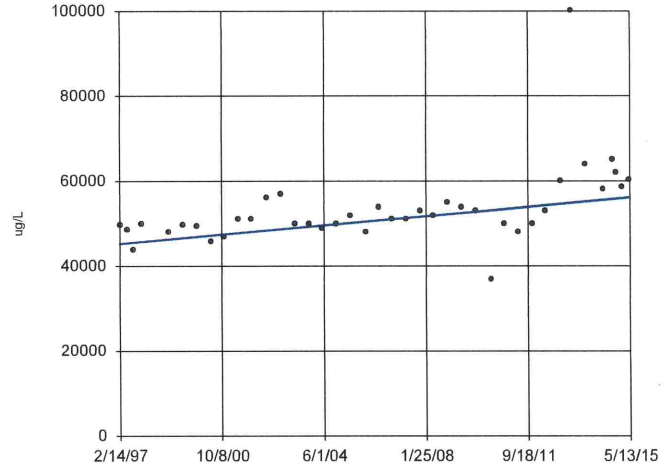
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Iron Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 595.7 units per year.

Mann-Kendall statistic = 376 critical = 201

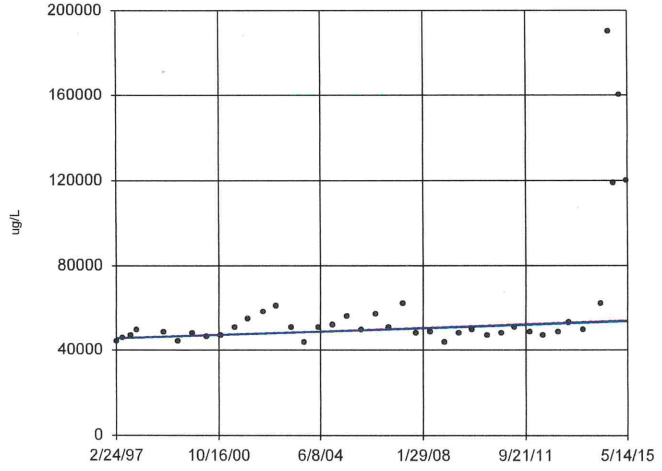
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = 446.9 units per year.

Mann-Kendall statistic = 249 critical = 201

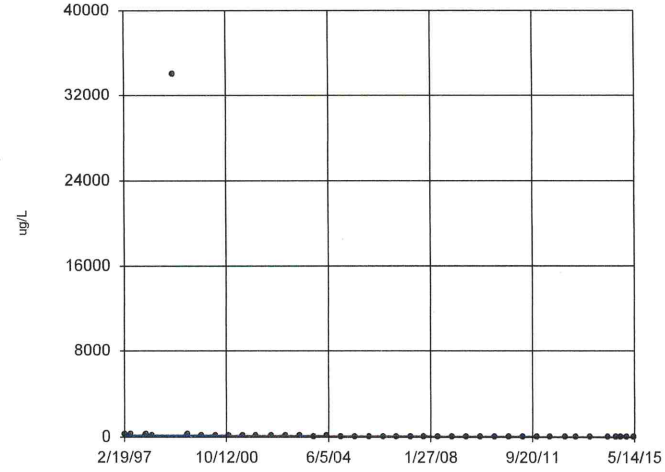
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

Sen's Slope Estimator

100-SD (bg)



n = 40

Slope = -6.669 units per year.

Mann-Kendall statistic = -667 critical = -201

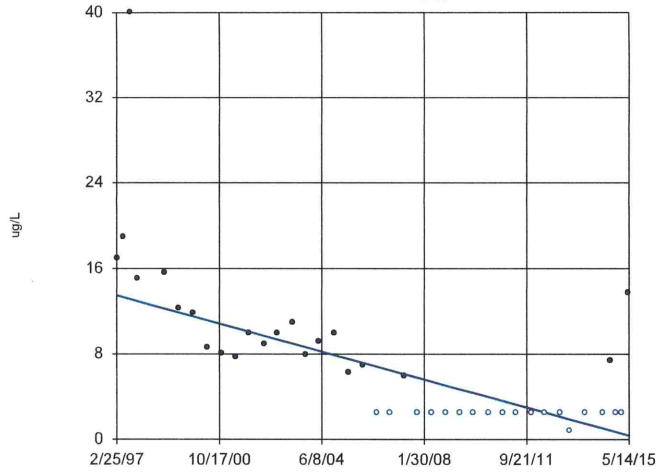
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = -0.7201 units per year.

Mann-Kendall statistic = -457
critical = -201

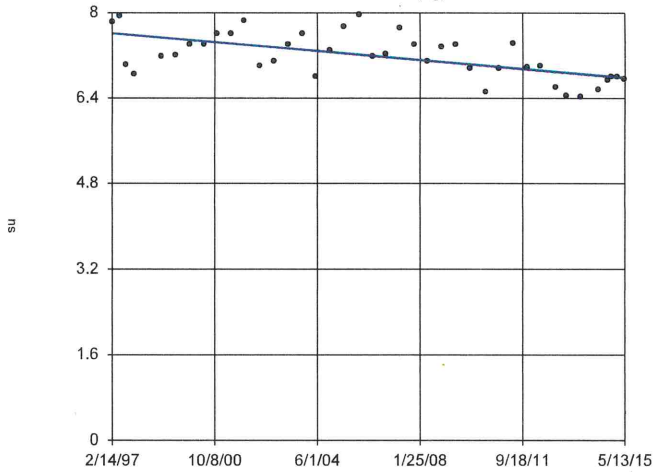
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = -0.04514 units per year.

Mann-Kendall statistic = -318
critical = -201

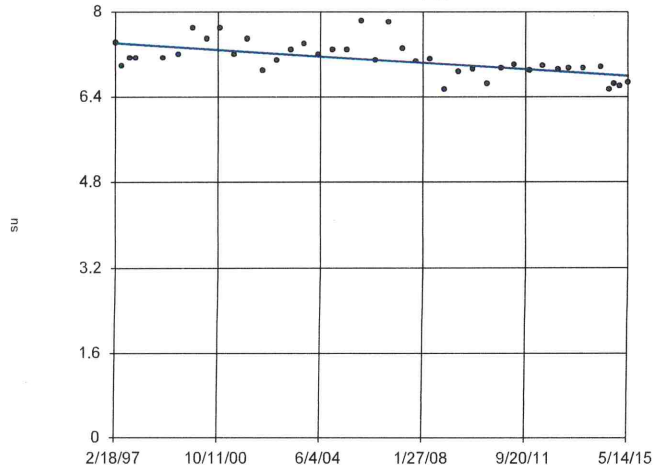
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH [Field] Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = -0.03461 units per year.

Mann-Kendall statistic = -354
critical = -201

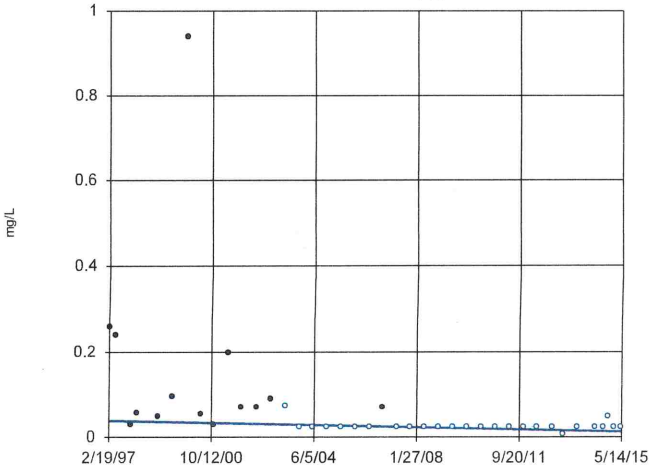
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH [Field] Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SD (bg)



n = 40

Slope = -0.001393 units per year.

Mann-Kendall statistic = -354
critical = -201

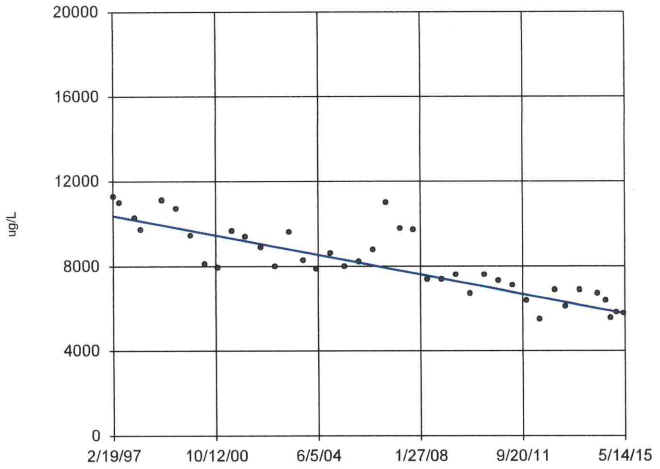
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Phosphorus Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

100-SD (bg)



n = 40

Slope = -253.5 units per year.

Mann-Kendall statistic = -546
critical = -201

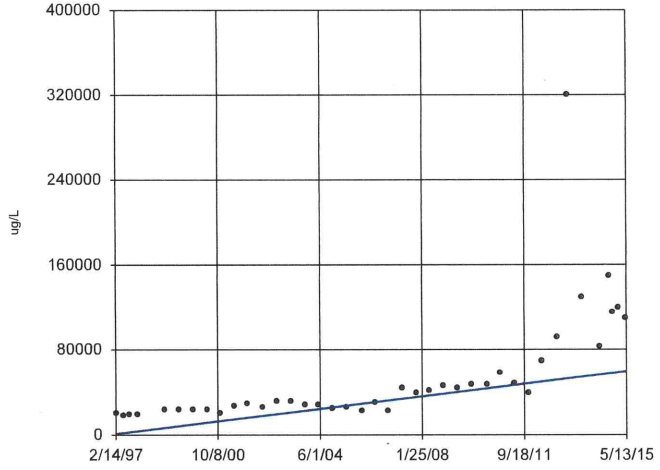
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sodium Total Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 3202 units per year.

Mann-Kendall statistic = 597
critical = 201

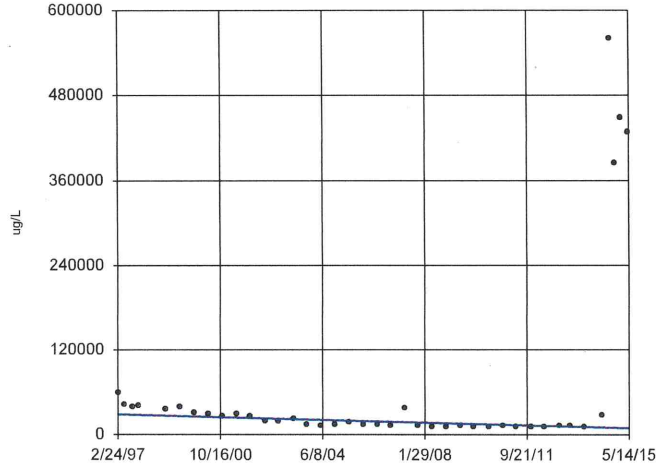
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sodium Total Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = -1074 units per year.

Mann-Kendall statistic = -298
critical = -201

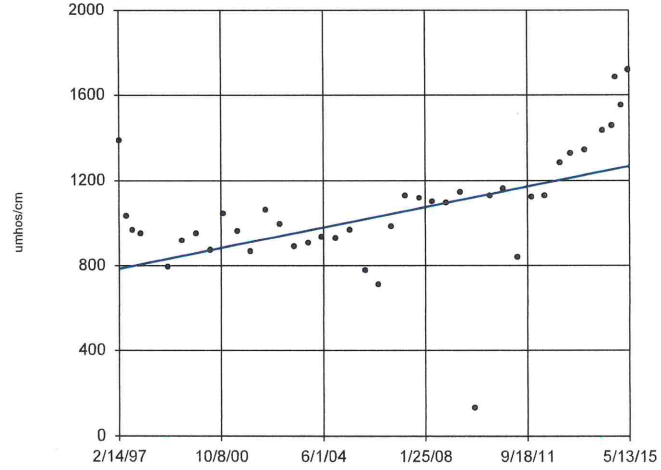
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sodium Total Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 26.36 units per year.

Mann-Kendall statistic = 365
critical = 201

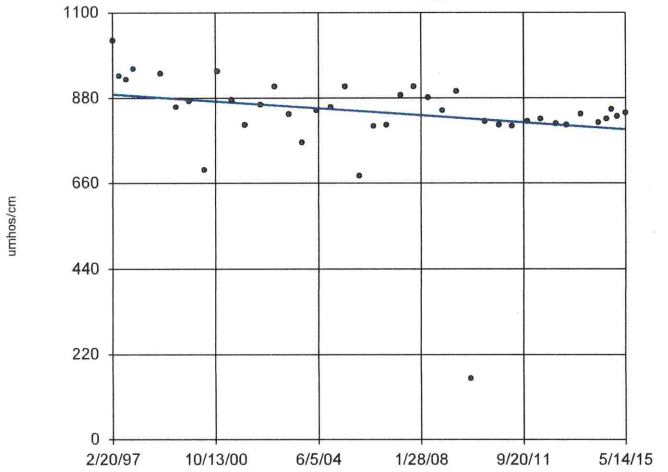
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = -4.974 units per year.

Mann-Kendall statistic = -243 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:20 PM

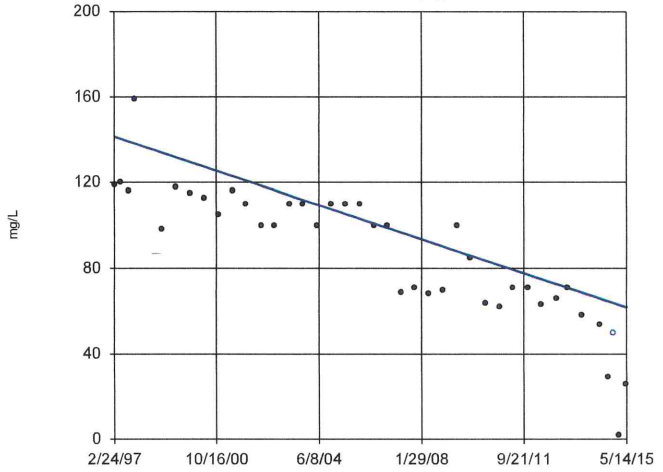
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = -4.359 units per year.

Mann-Kendall statistic = -587 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:20 PM

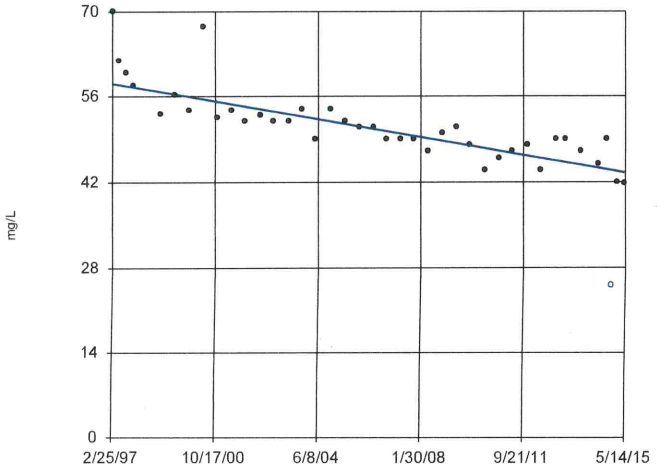
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = -0.7977 units per year.

Mann-Kendall statistic = -581 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:20 PM

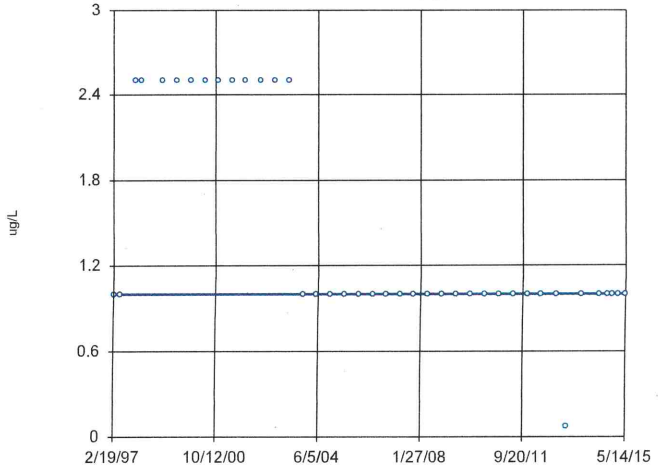
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SD (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = -303 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

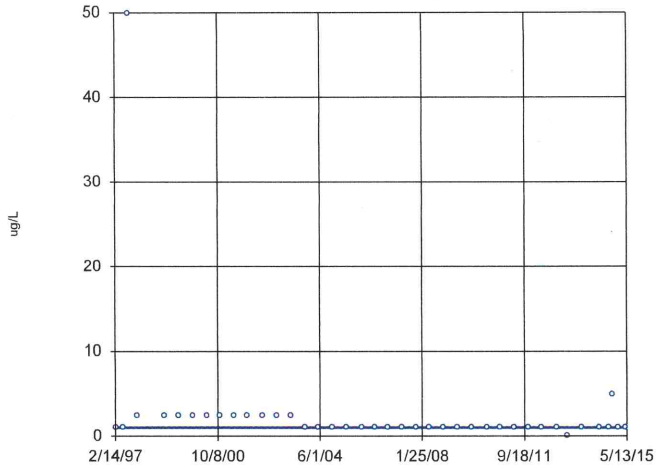
Constituent: Thallium Total Analysis Run 1/7/2016 1:20 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -270
critical = -201

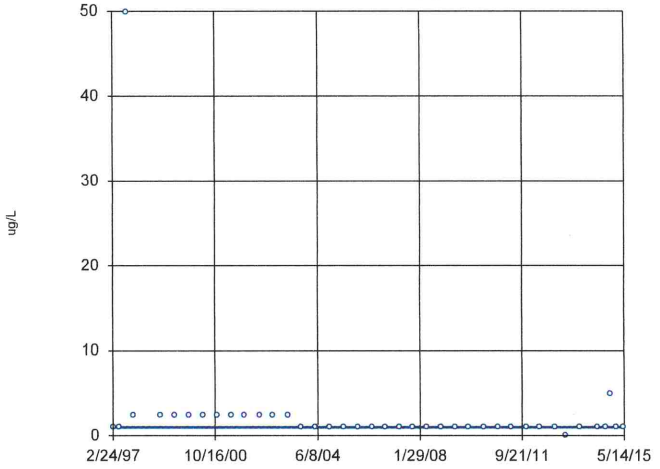
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -270
critical = -201

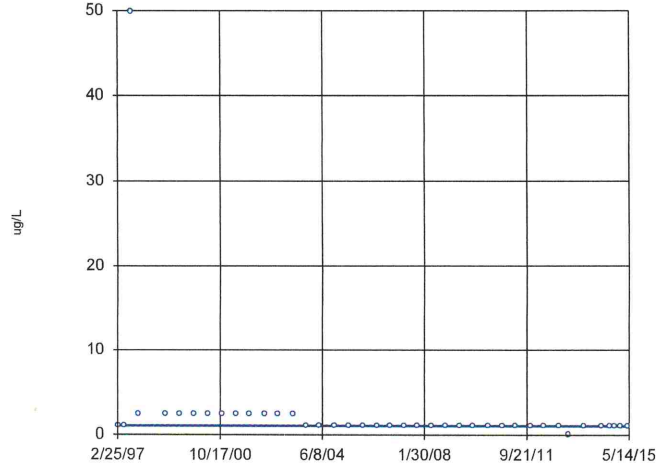
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -314
critical = -201

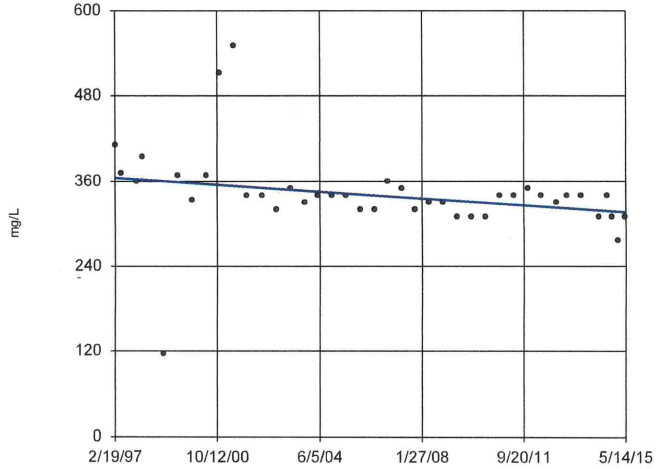
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Total Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

100-SD (bg)



n = 40

Slope = -2.689
units per year.

Mann-Kendall
statistic = -301
critical = -201

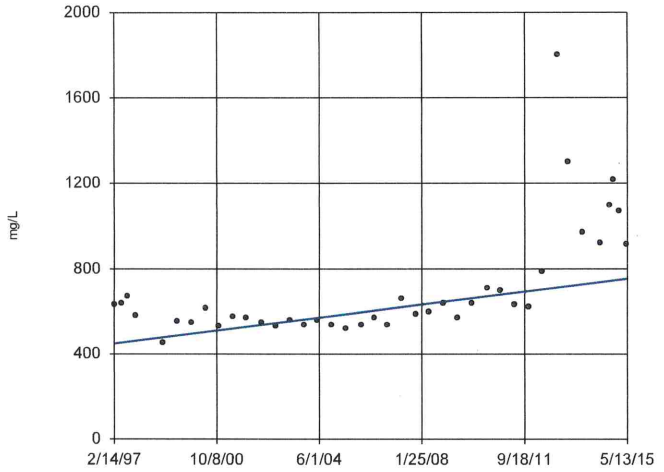
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 16.66 units per year.

Mann-Kendall statistic = 360 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

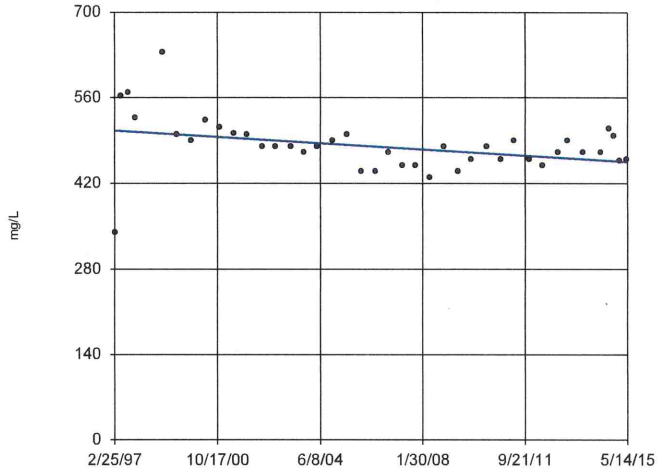
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:20 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = -2.784 units per year.

Mann-Kendall statistic = -253 critical = -201

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:20 PM

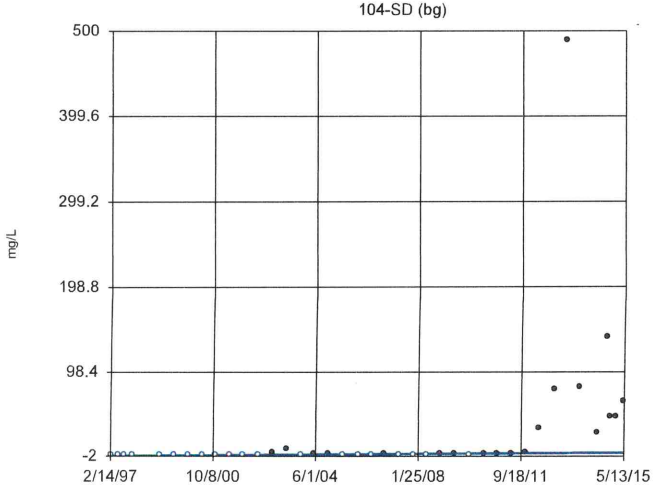
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 0.2006 units per year.

Mann-Kendall statistic = 433 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 1:20 PM

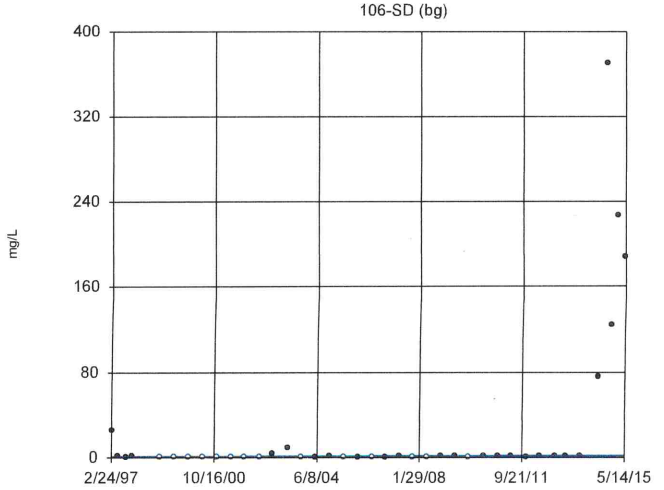
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SD (bg)



n = 40

Slope = 0.07738 units per year.

Mann-Kendall statistic = 270 critical = 201

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 1:20 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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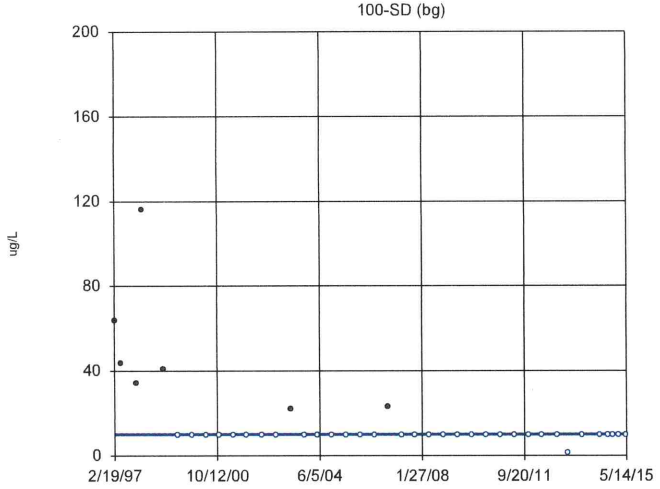
Hollow symbols indicate censored values.

Sen's Slope Estimator

100-SD (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -218
critical = -201

Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Zinc Total Analysis Run 1/7/2016 1:20 PM
Bridgeton LF Client: RSI Data: BRIDGETON

INTRA-WELL PREDICTION LIMITS

Background data were evaluated for increasing statistical trends (or either increasing or decreasing trends for field pH). In those cases where the background data were determined to exhibit a statistical trend, typically the most recent background data were excluded until the data no longer exhibited a statistical trend. For each of the constituent-well pairs listed below, the specified modified background data period was utilized in the determination of the intra-well prediction limit.

Salem Formation Zone

- Ammonia as N at PZ-106-SD (2/97 through 11/10)
- Barium (Total) at PZ-104-SD (2/97 through 5/10)
- Barium (Total) at PZ-106-SD (2/97 through 11/01)
- Barium (Total) at PZ-111-SD (2/97 through 5/02)
- Calcium (Total) at PZ-106-SD (2/97 through 11/14)
- Chemical oxygen demand at PZ-104-SD (2/97 through 5/14)
- Chloride at PZ-104-SD (2/97 through 5/09)
- Hardness (Total) at PZ-104-SD (2/97 through 10/13)
- Hardness (Total) at PZ-106-SD (2/97 through 9/14)
- Iron (Total) at PZ-106-SD (2/97 through 9/14)
- Magnesium (Total) at PZ-104-SD (2/97 through 5/12)
- Magnesium (Total) at PZ-106-SD (2/97 through 11/14)
- pH (Field) at PZ-104-SD (2/97 through 4/13)
- pH (Field) at PZ-106-SD (2/97 through 11/11)
- Sodium (Total) at PZ-104-SD (2/97 through 5/01)
- Specific conductance (Field) at PZ-104-SD (2/97 through 4/13)
- Total dissolved solids at PZ-104-SD (2/97 through 11/12)
- Total organic carbon at PZ-104-SD (2/97 through 5/12)
- Total organic carbon at PZ-106-SD (2/97 through 9/14)

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 3:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Ammonia as N (mg/L)	100-SD	0.63	n/a	8/29/2017	0.27	No	37	0.4359	0.07903	0	None	No	0.0001937	Param Intra 1 of 2
Ammonia as N (mg/L)	104-SD	66	n/a	8/30/2017	39.7	No	40	n/a	n/a	32.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Ammonia as N (mg/L)	111-SD	0.35	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	100-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	104-SD	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	106-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	111-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	100-SD	15	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	104-SD	27	n/a	8/30/2017	16.3	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	106-SD	12	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	77.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	111-SD	5.3	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Barium Total (ug/L)	100-SD	340	n/a	8/29/2017	309	No	40	7.4e9	2.2e9	0	None	x^4	0.0001937	Param Intra 1 of 2
Beryllium Total (ug/L)	100-SD	2.2	n/a	8/29/2017	1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	104-SD	2.0	n/a	8/30/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	106-SD	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	111-SD	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	100-SD	100	n/a	8/29/2017	50ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	104-SD	1800	n/a	8/30/2017	841	No	40	n/a	n/a	75	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	106-SD	2900	n/a	8/29/2017	440	No	40	n/a	n/a	85	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	111-SD	100	n/a	8/29/2017	50ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	100-SD	2.5	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	104-SD	0.20	n/a	8/30/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	106-SD	2.5	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	111-SD	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Calcium Total (ug/L)	100-SD	88000	n/a	8/29/2017	75200	No	40	11.25	0.05606	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Calcium Total (ug/L)	104-SD	170000	n/a	8/30/2017	94700	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Calcium Total (ug/L)	111-SD	100000	n/a	8/29/2017	87000	No	38	7.5e14	1.2e14	0	None	x^3	0.0001937	Param Intra 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	100-SD	37	n/a	8/29/2017	5ND	No	40	n/a	n/a	92.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	106-SD	3400	n/a	8/29/2017	47.1	No	40	n/a	n/a	75	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	111-SD	63	n/a	8/29/2017	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chloride (mg/L)	100-SD	13	n/a	8/29/2017	1.8	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chloride (mg/L)	106-SD	1000	n/a	8/29/2017	114	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chloride (mg/L)	111-SD	19	n/a	8/29/2017	11.5	No	40	2.531	0.173	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium Total (ug/L)	100-SD	13	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	104-SD	13	n/a	8/30/2017	9.1	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	106-SD	42	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	111-SD	22	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	100-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	104-SD	10	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	106-SD	12	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cobalt Total (ug/L)	111-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	100-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	104-SD	13	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	106-SD	47	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	111-SD	10	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	100-SD	2.4	n/a	8/29/2017	2.1	No	26	4.154	0.6542	0	None	x^2	0.0001937	Param Intra 1 of 2
Fluoride (mg/L)	**104-SD**	**1**	**n/a**	**8/30/2017**	**1.1**	**Yes**	**22**	**0.6967**	**0.1384**	**0**	**None**	**x^2**	**0.0001937**	**Param Intra 1 of 2**
Fluoride (mg/L)	106-SD	1.5	n/a	8/29/2017	1.4	No	23	1.552	0.68	0	None	x^3	0.0001937	Param Intra 1 of 2
Fluoride (mg/L)	111-SD	2.4	n/a	8/29/2017	2	No	25	18.37	5.15	0	None	x^4	0.0001937	Param Intra 1 of 2
Hardness Total (mg/L)	100-SD	380	n/a	8/29/2017	330	No	39	5.824	0.04847	0	None	ln(x)	0.0001937	Param Intra 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 3:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Hardness Total (mg/L)	111-SD	500	n/a	8/29/2017	426	No	38	7.638	0.1242	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Iron Total (ug/L)	100-SD	2900	n/a	8/29/2017	514	No	39	1623	514.4	0	None	No	0.0001937	Param Intra 1 of 2
Iron Total (ug/L)	104-SD	31000	n/a	8/30/2017	9400	No	40	7.096	1.332	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Iron Total (ug/L)	111-SD	8200	n/a	8/29/2017	959	No	40	6.026	1.228	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Lead Total (ug/L)	100-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	104-SD	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	106-SD	25	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	111-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Magnesium Total (ug/L)	100-SD	40000	n/a	8/29/2017	34600	No	40	10.48	0.04911	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Magnesium Total (ug/L)	111-SD	60000	n/a	8/29/2017	50700	No	39	10.89	0.0489	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Manganese Total (ug/L)	100-SD	34000	n/a	8/29/2017	42.8	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Manganese Total (ug/L)	104-SD	200	n/a	8/30/2017	112	No	40	4.643	0.2679	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Manganese Total (ug/L)	106-SD	560	n/a	8/29/2017	25.7	No	40	5.302	1.222	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Manganese Total (ug/L)	111-SD	40	n/a	8/29/2017	9.9	No	40	n/a	n/a	45	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Mercury Total (ug/L)	100-SD	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	104-SD	0.20	n/a	8/30/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	106-SD	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Mercury Total (ug/L)	111-SD	0.20	n/a	8/29/2017	0.1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	100-SD	10	n/a	8/29/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	104-SD	60	n/a	8/30/2017	50.2	No	40	n/a	n/a	75	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	106-SD	60	n/a	8/29/2017	5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	111-SD	10	n/a	8/29/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	100-SD	0.10	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	104-SD	1.3	n/a	8/30/2017	0.05ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	106-SD	0.30	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	111-SD	5.0	n/a	8/29/2017	0.05ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
pH [Field] (su)	100-SD	8.2	6.6	8/29/2017	7.13	No	39	1.993	0.04354	0	None	ln(x)	0.00009683	Param Intra 1 of 2
pH [Field] (su)	111-SD	8.1	6.4	8/29/2017	7.08	No	39	1.976	0.04679	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Phosphorus Total (mg/L)	100-SD	0.94	n/a	8/29/2017	0.025ND	No	40	n/a	n/a	65	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Phosphorus Total (mg/L)	104-SD	0.29	n/a	8/30/2017	0.13	No	40	-3.189	0.7998	47.5	Kaplan-Meier	ln(x)	0.0001937	Param Intra 1 of 2
Phosphorus Total (mg/L)	106-SD	0.23	n/a	8/29/2017	0.056	No	40	0.09779	0.05309	15	None	No	0.0001937	Param Intra 1 of 2
Phosphorus Total (mg/L)	111-SD	0.37	n/a	8/29/2017	0.025ND	No	40	n/a	n/a	72.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	100-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	104-SD	5.0	n/a	8/30/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	106-SD	50	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	111-SD	5.0	n/a	8/29/2017	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	100-SD	5.0	n/a	8/29/2017	2.5ND	No	38	n/a	n/a	100	n/a	n/a	0.001286	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	104-SD	5.0	n/a	8/30/2017	2.5ND	No	38	n/a	n/a	100	n/a	n/a	0.001286	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	106-SD	5.0	n/a	8/29/2017	2.5ND	No	39	n/a	n/a	100	n/a	n/a	0.001219	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	111-SD	5.0	n/a	8/29/2017	2.5ND	No	39	n/a	n/a	100	n/a	n/a	0.001219	NP Intra (NDs) 1 of 2
Sodium Total (ug/L)	100-SD	13000	n/a	8/29/2017	6950	No	40	20.08	1.372	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Sodium Total (ug/L)	106-SD	560000	n/a	8/29/2017	78800	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Sodium Total (ug/L)	111-SD	25000	n/a	8/29/2017	17500	No	38	9.94	0.08286	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	100-SD	710	n/a	8/29/2017	600	No	39	2.5e8	4.1e7	0	None	x^3	0.0001937	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	**106-SD**	**1200**	**n/a**	**8/29/2017**	**1413**	**Yes**	**36**	**6.803**	**0.1014**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Specific Conductance [Field] (umhos/cm)	111-SD	1000	n/a	8/29/2017	803	No	39	731124	112677	0	None	x^2	0.0001937	Param Intra 1 of 2
Sulfate (mg/L)	100-SD	15	n/a	8/29/2017	9.4	No	40	2.323	0.1561	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Sulfate (mg/L)	104-SD	100	n/a	8/30/2017	4.2	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Sulfate (mg/L)	106-SD	160	n/a	8/29/2017	56.5	No	40	87.24	31.12	2.5	None	No	0.0001937	Param Intra 1 of 2
Sulfate (mg/L)	111-SD	67	n/a	8/29/2017	43.8	No	39	3.932	0.1116	0	None	ln(x)	0.0001937	Param Intra 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 3:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium Total (ug/L)	100-SD	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	104-SD	2.0	n/a	8/30/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	106-SD	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	111-SD	2.0	n/a	8/29/2017	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	100-SD	400	n/a	8/29/2017	315	No	37	5.819	0.07451	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**106-SD**	**700**	**n/a**	**8/29/2017**	**731**	**Yes**	**36**	**538.1**	**65.86**	**0**	**None**	**No**	**0.0001937**	**Param Intra 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	111-SD	560	n/a	8/29/2017	444	No	38	6.175	0.06301	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	100-SD	29	n/a	8/29/2017	1.2	No	40	n/a	n/a	32.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Total Organic Carbon [TOC] (mg/L)	111-SD	30	n/a	8/29/2017	1.3	No	40	n/a	n/a	42.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Vanadium Total (ug/L)	100-SD	10	n/a	8/29/2017	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	104-SD	38	n/a	8/30/2017	5ND	No	40	n/a	n/a	87.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	106-SD	42	n/a	8/29/2017	5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	111-SD	33	n/a	8/29/2017	5ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	100-SD	120	n/a	8/29/2017	10ND	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	104-SD	96	n/a	8/30/2017	10ND	No	40	n/a	n/a	77.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	106-SD	77	n/a	8/29/2017	10ND	No	40	n/a	n/a	80	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	111-SD	100	n/a	8/29/2017	10ND	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

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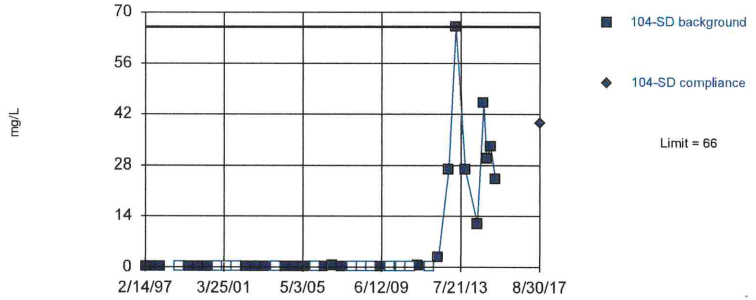
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 32.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

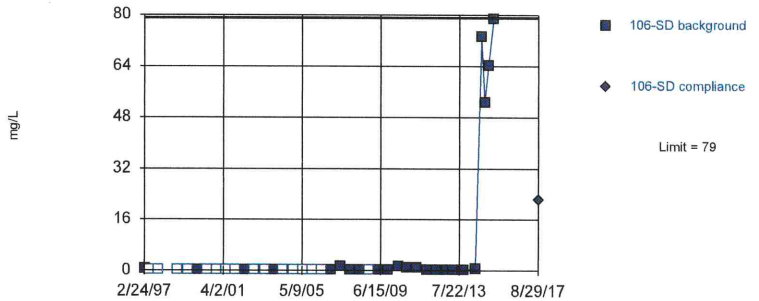
Constituent: Ammonia as N Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 40% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

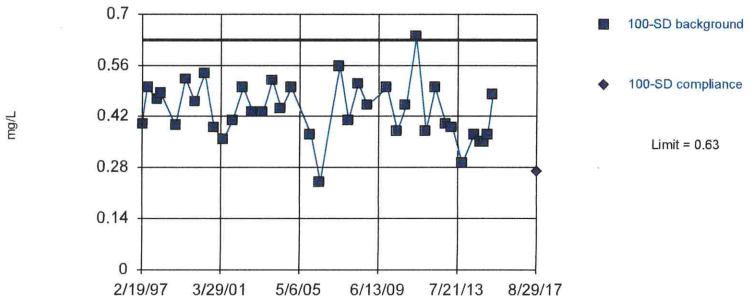
Constituent: Ammonia as N Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4359, Std. Dev.=0.07903, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9826, critical = 0.914. Kappa = 2.45 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Three background outliers were removed: <0.1 (5/24/2005); 0.13 (11/8/2006); 1.2 (5/8/2009).

Constituent: Ammonia as N Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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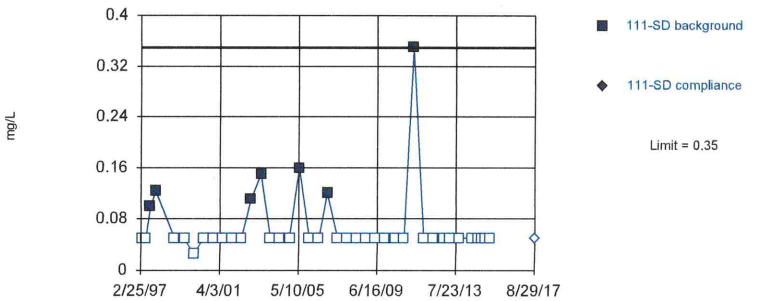
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

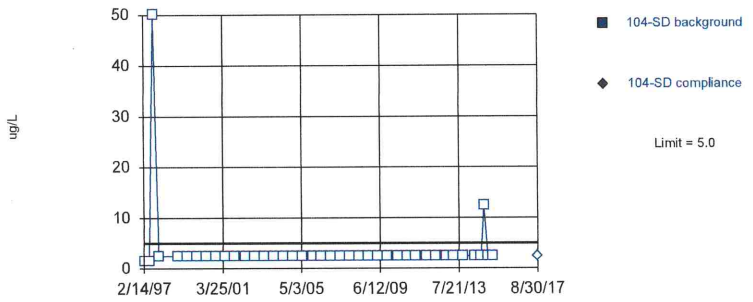
Constituent: Ammonia as N Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Antimony Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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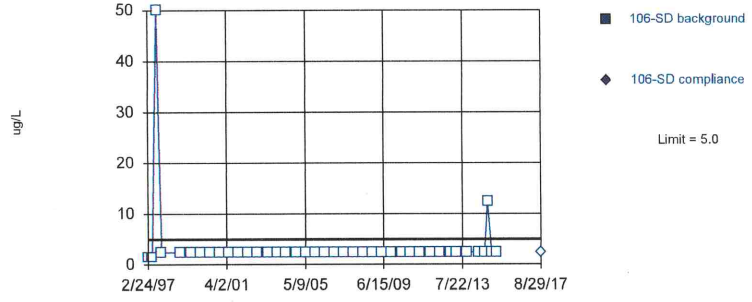
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

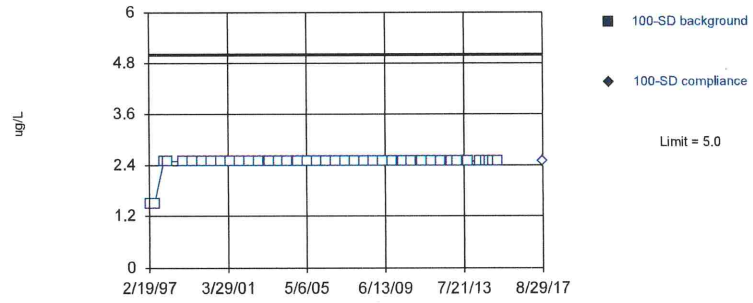
Constituent: Antimony Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

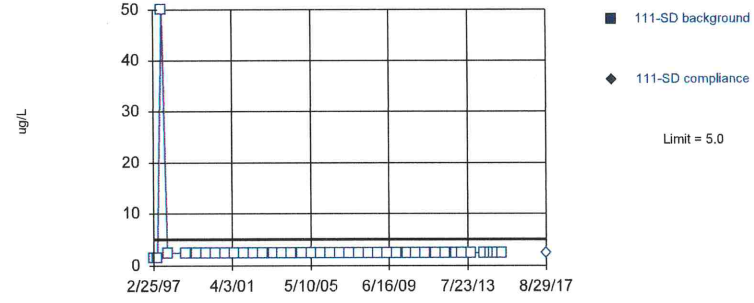
Constituent: Antimony Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

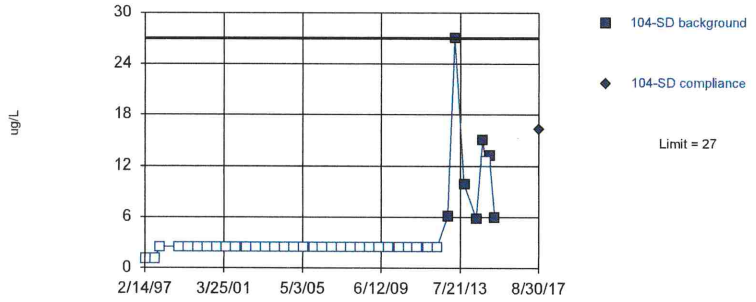
Constituent: Antimony Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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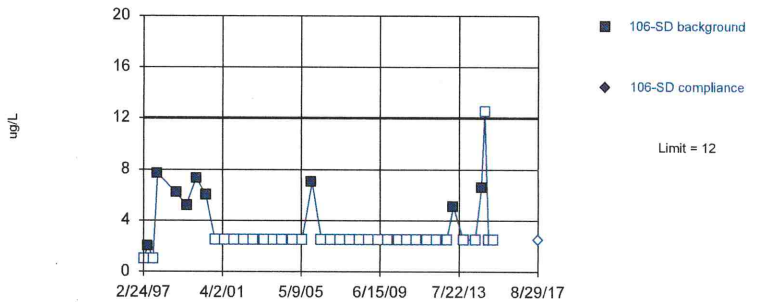
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 77.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

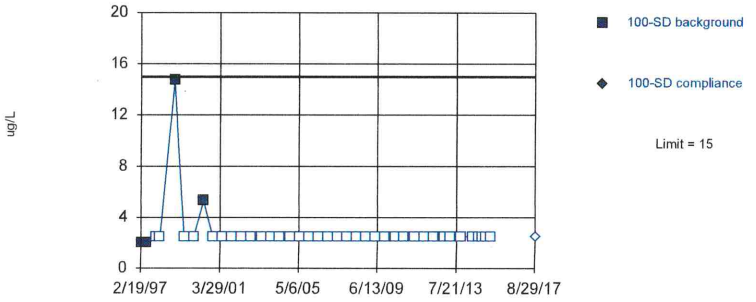
Constituent: Arsenic Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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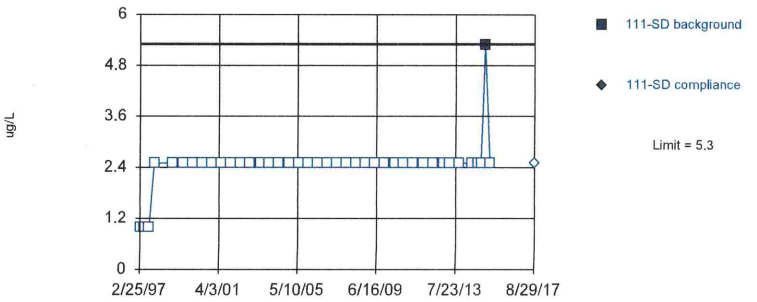
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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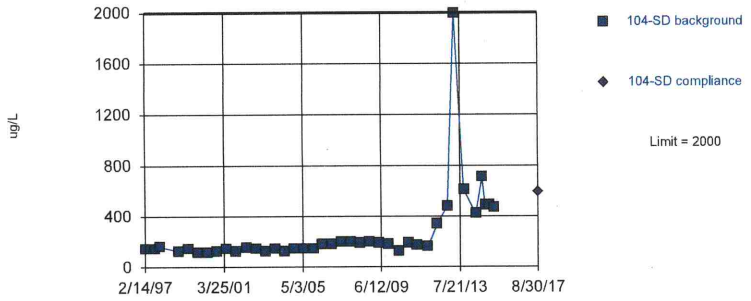
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Barium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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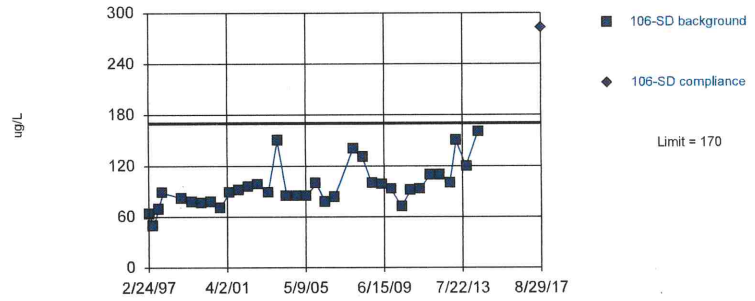
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=4.53, Std. Dev.=0.2517, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9644, critical = 0.91. Kappa = 2.466 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Five background outliers were removed: 220 (5/21/2007); 1400 (9/24/2014); 924 (11/20/2014); 1140 (2/4/2015); 985 (5/14/2015).

Constituent: Barium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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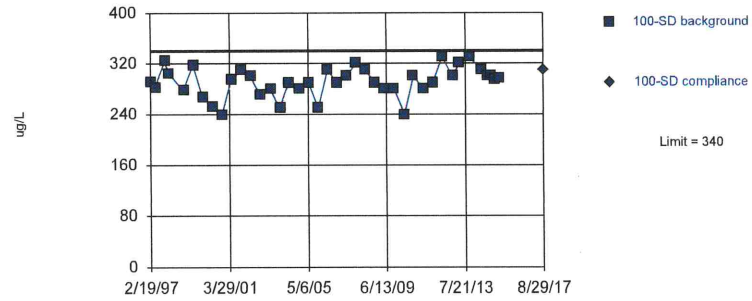
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=7.4e9, Std. Dev.=2.2e9, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Barium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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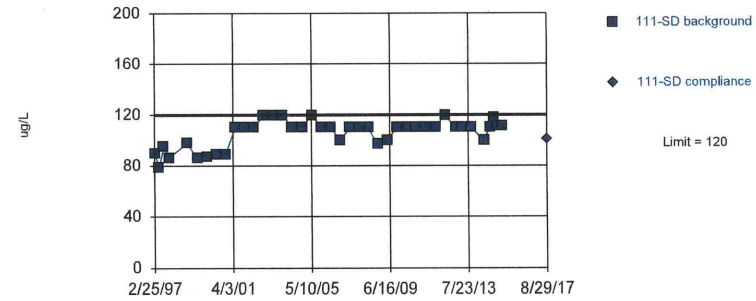
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

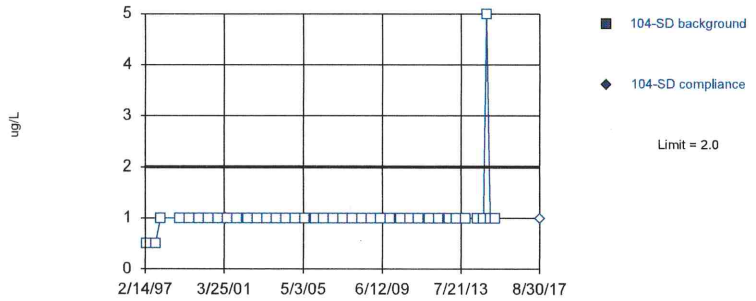
Constituent: Barium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

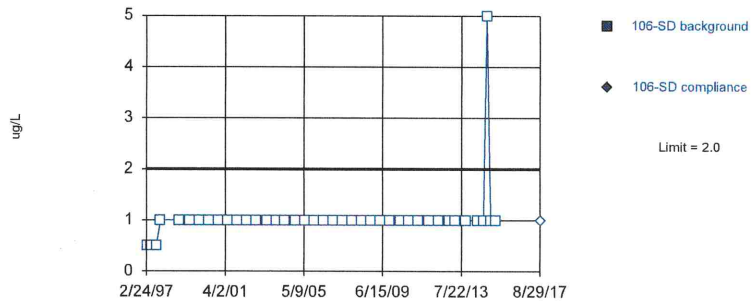
Constituent: Beryllium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

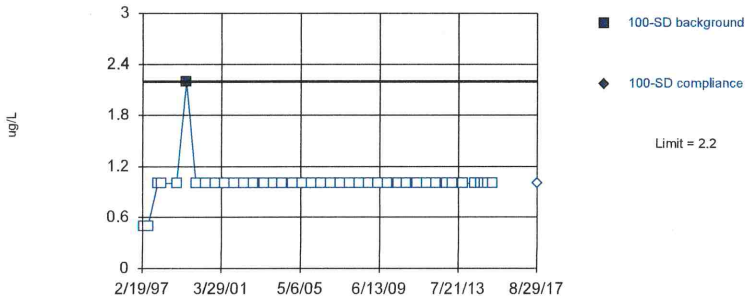
Constituent: Beryllium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

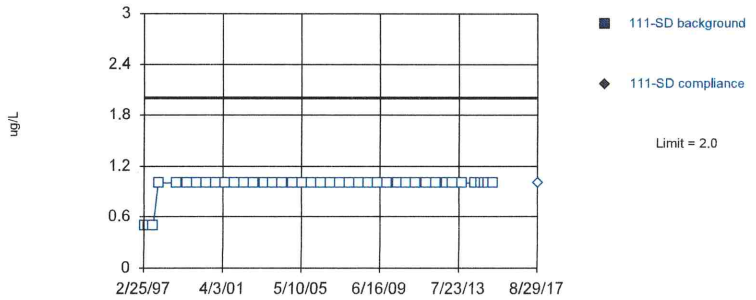
Constituent: Beryllium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

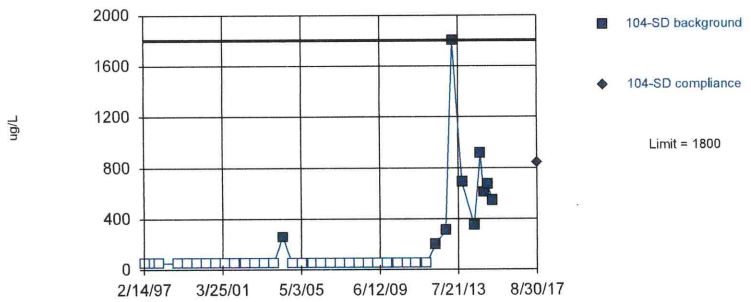
Constituent: Beryllium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 75% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

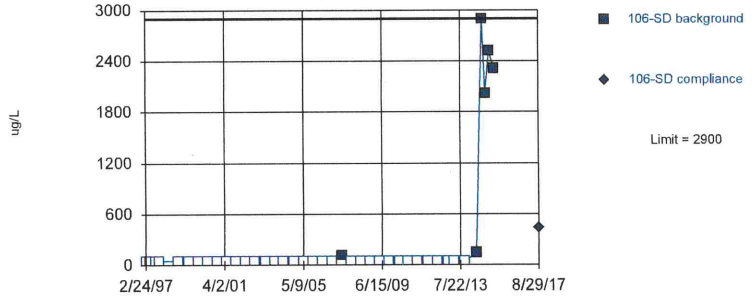
Constituent: Boron Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 85% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

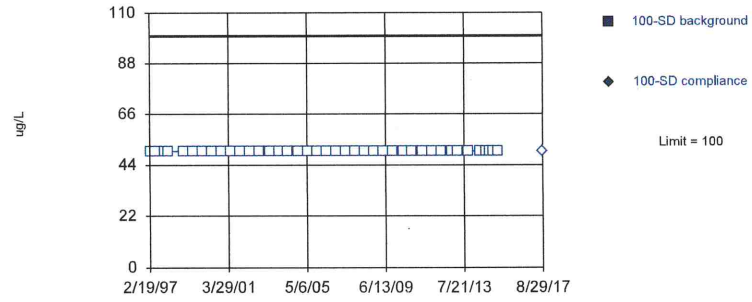
Constituent: Boron Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

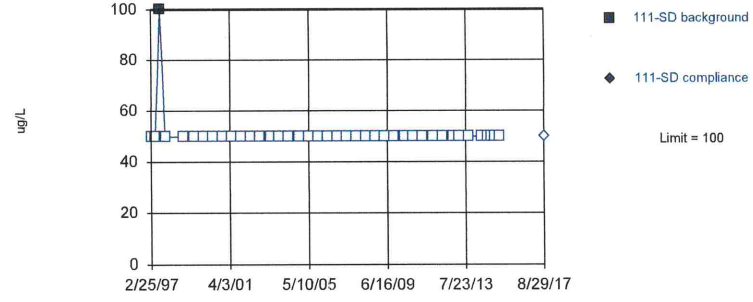
Constituent: Boron Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

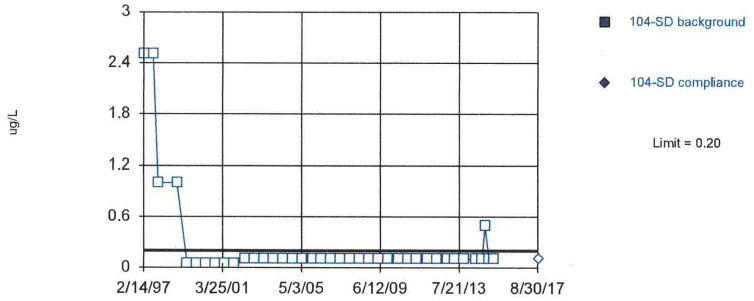
Constituent: Boron Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

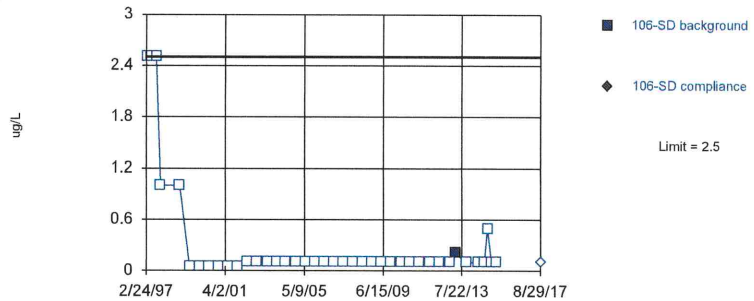
Constituent: Cadmium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

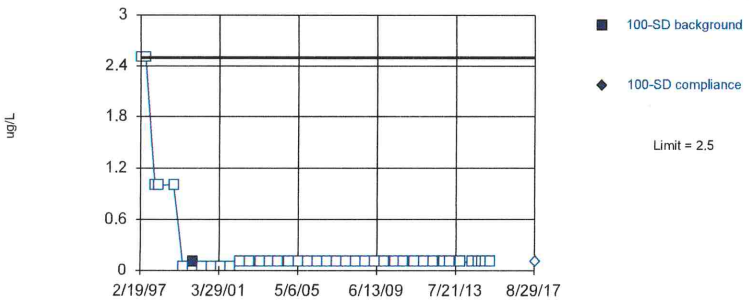
Constituent: Cadmium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

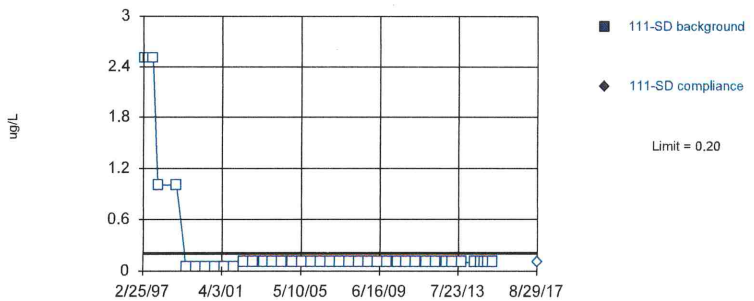
Constituent: Cadmium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

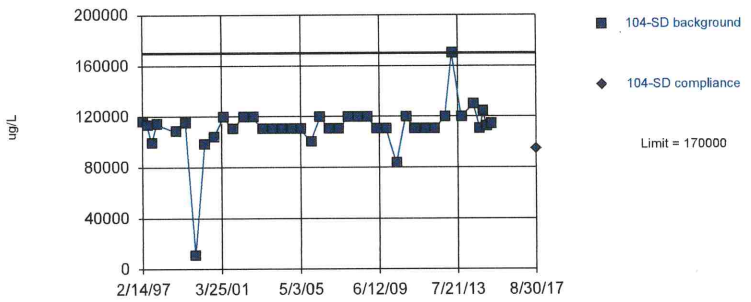
Constituent: Cadmium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

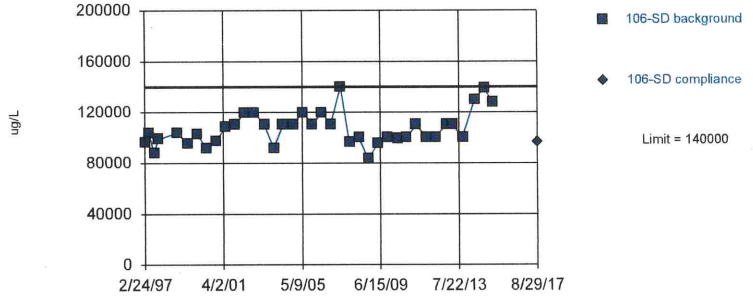
Constituent: Calcium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.57, Std. Dev.=0.1181, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9547, critical = 0.916. Kappa = 2.442 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Two background outliers were removed: 200000 (9/24/2014); 176000 (2/4/2015).

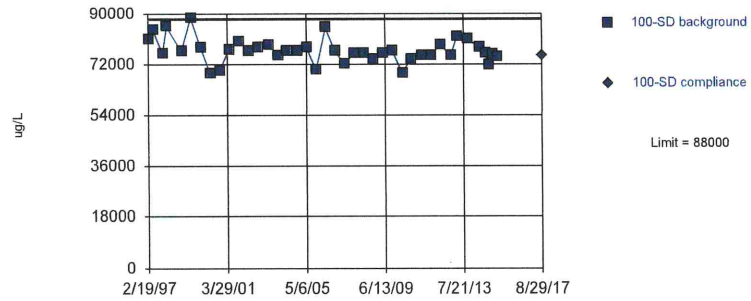
Constituent: Calcium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.25, Std. Dev.=0.05606, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9571, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

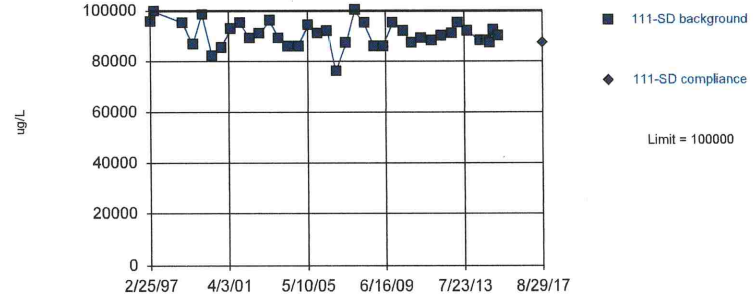
Constituent: Calcium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=7.5e14, Std. Dev.=1.2e14, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9719, critical = 0.916. Kappa = 2.442 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Two background outliers were removed: 8590 (8/21/1997); 70400 (11/24/1997).

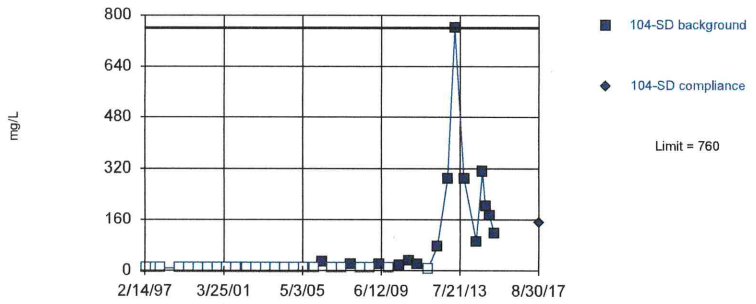
Constituent: Calcium Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 2:43 PM

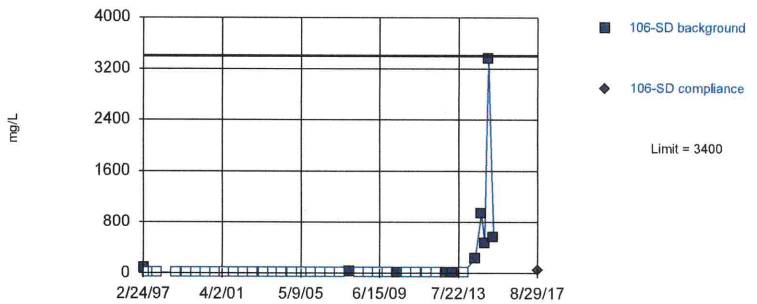
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 75% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 2:43 PM

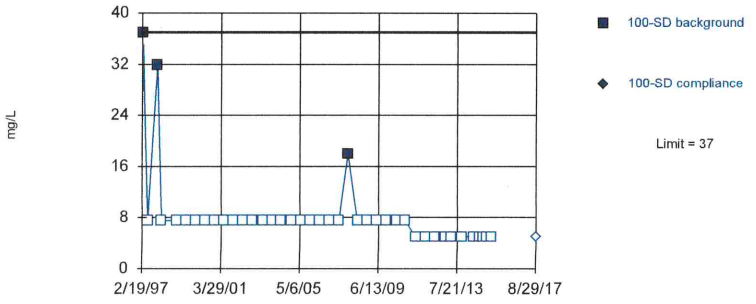
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 2:43 PM

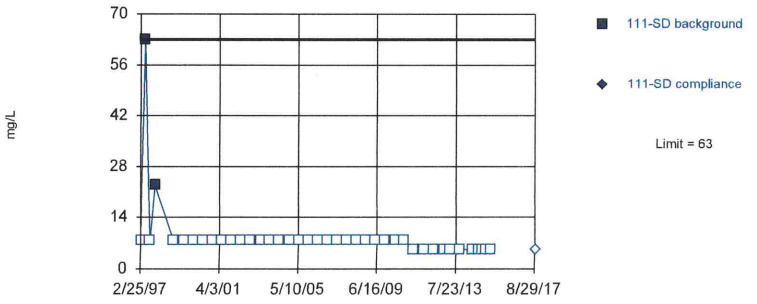
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 2:43 PM

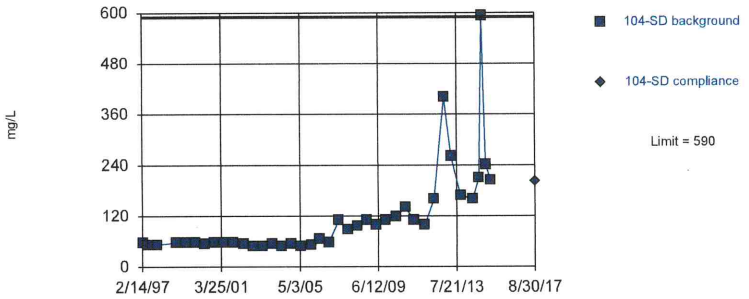
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/20/2017 2:43 PM

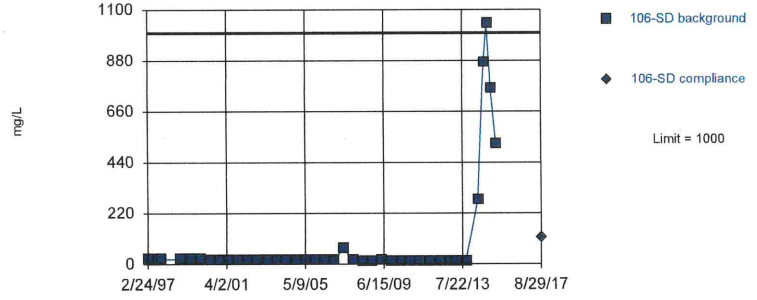
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

Constituent: Chloride Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

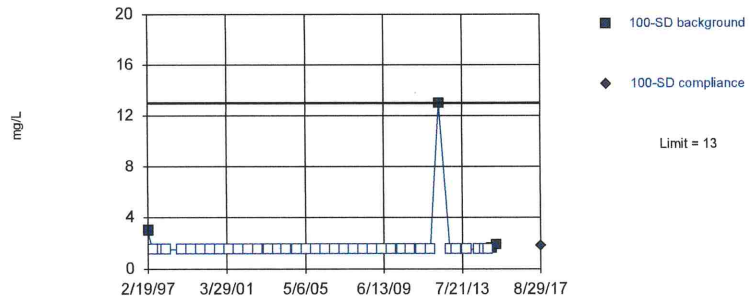
Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/20/2017 2:43 PM

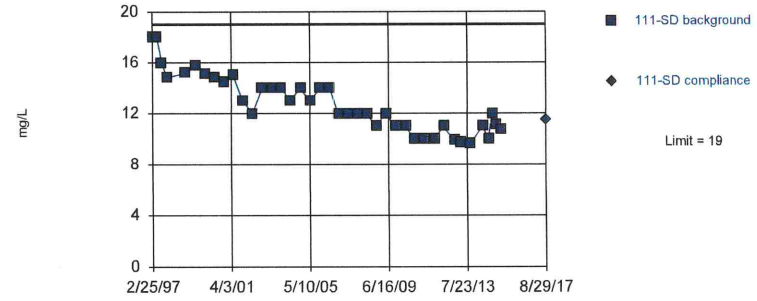
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.531, Std. Dev.=0.173, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9432, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chloride Analysis Run 9/20/2017 2:43 PM

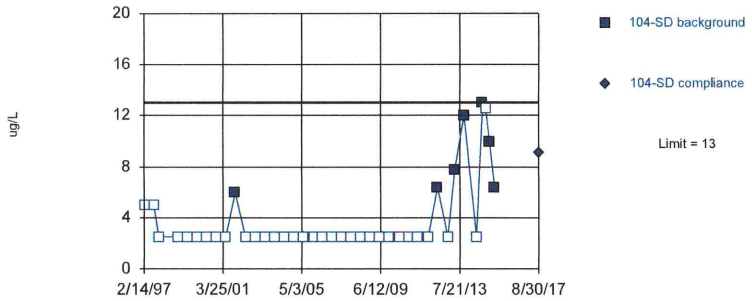
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 2:43 PM

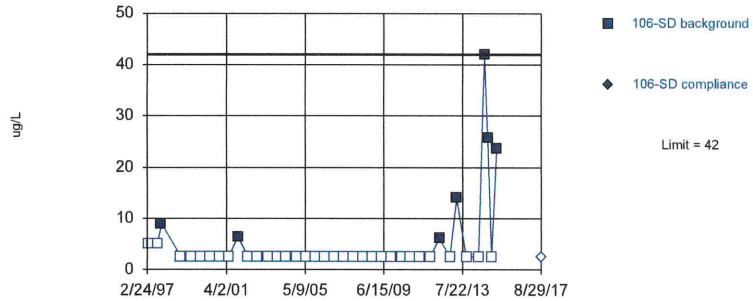
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 2:43 PM

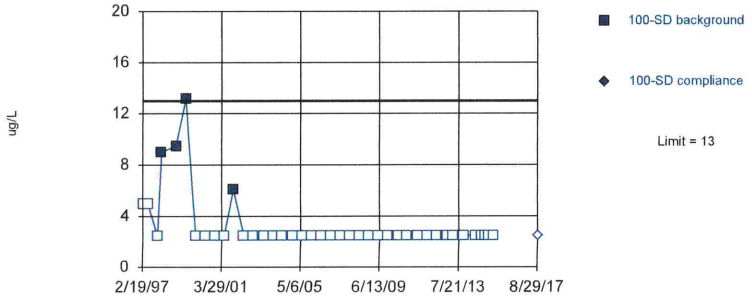
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 2:43 PM

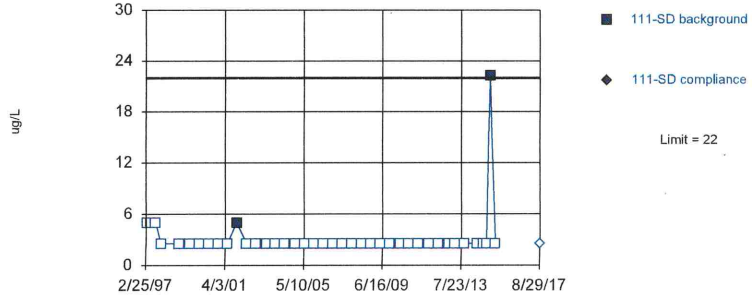
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 9/20/2017 2:43 PM

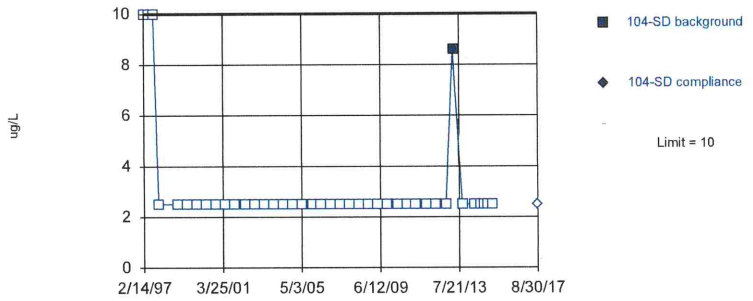
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

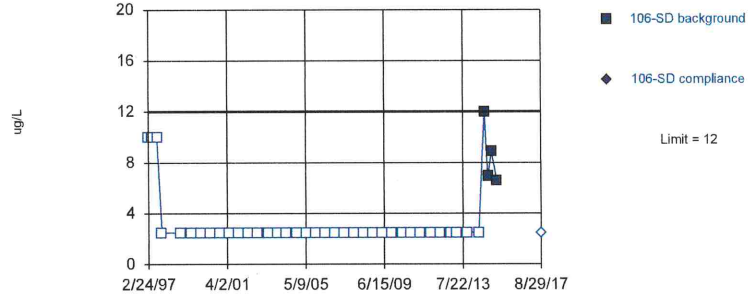
Constituent: Cobalt Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

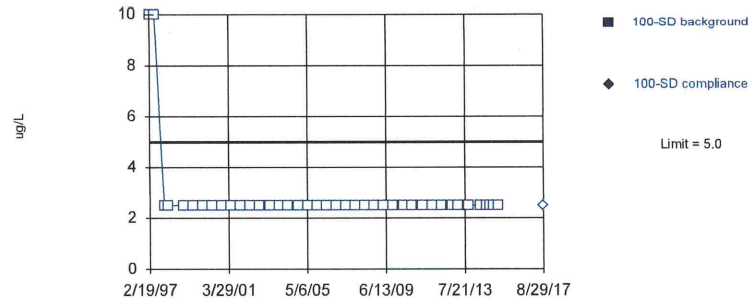
Constituent: Cobalt Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

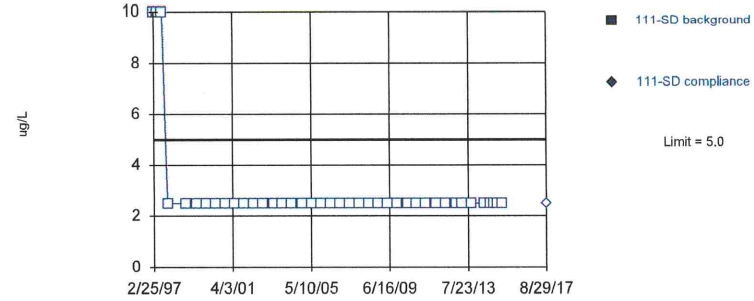
Constituent: Cobalt Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

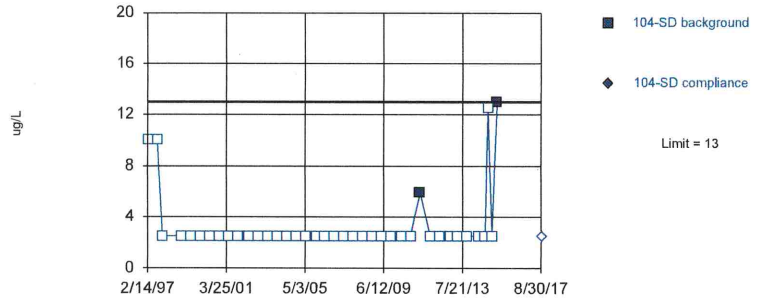
Constituent: Cobalt Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Copper Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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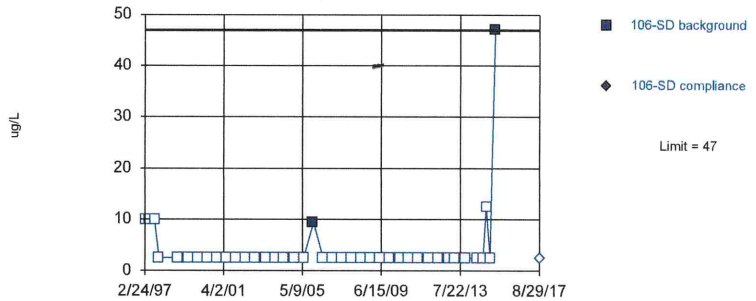
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

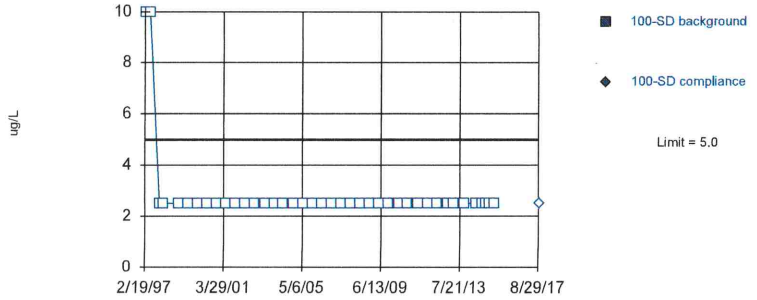
Constituent: Copper Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

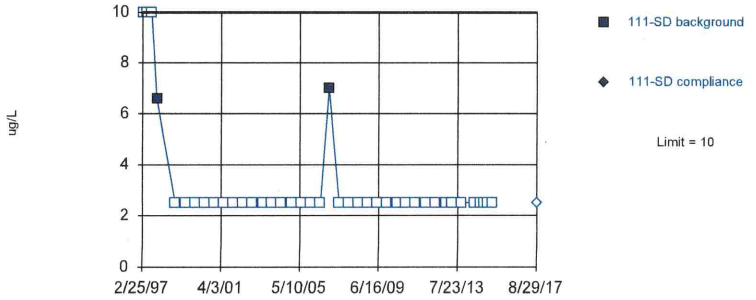
Constituent: Copper Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Copper Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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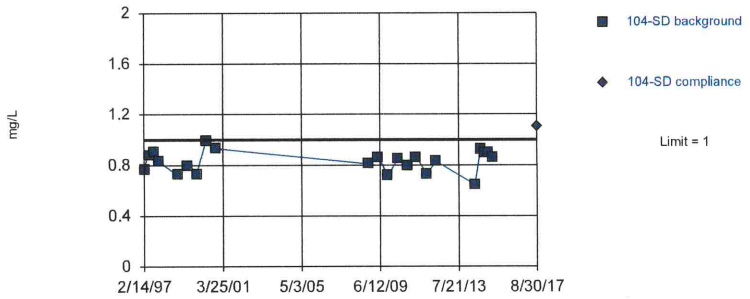
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.6967, Std. Dev.=0.1384, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9836, critical = 0.878. Kappa = 2.66 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Four background outliers were removed: 1.26 (5/15/2001); <0.1 (11/27/2012); 0.21 (4/11/2013); <0.1 (10/7/2013).

Constituent: Fluoride Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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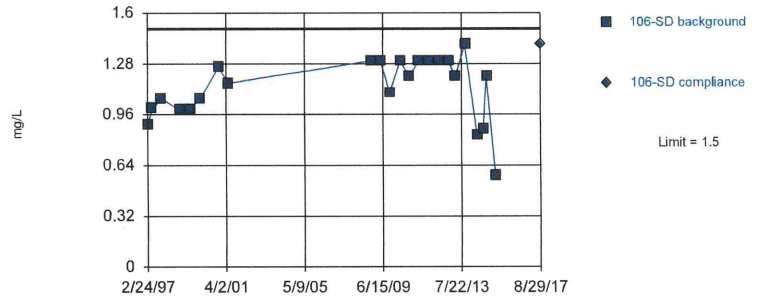
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.552, Std. Dev.=0.68, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9378, critical = 0.881. Kappa = 2.637 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Three background outliers were removed: <0.25 (8/28/1997); 2.24 (5/23/2000); 0.18 (2/4/2015).

Constituent: Fluoride Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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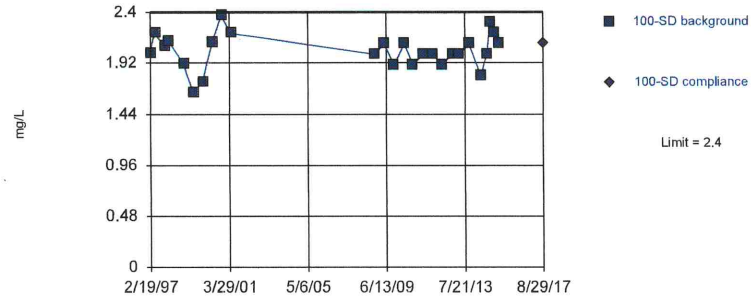
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=4.154, Std. Dev.=0.6542, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9765, critical = 0.891. Kappa = 2.575 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Fluoride Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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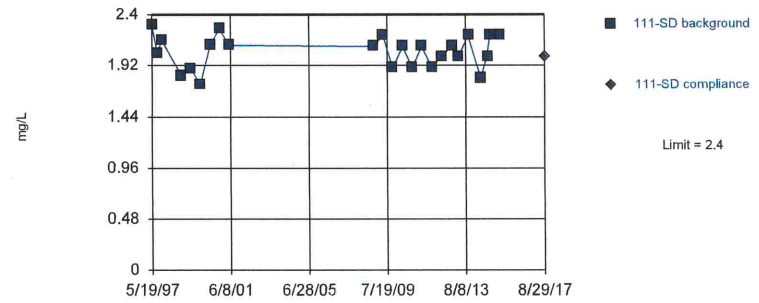
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=18.37, Std. Dev.=5.15, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9559, critical = 0.888. Kappa = 2.59 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 1.2 (2/25/1997).

Constituent: Fluoride Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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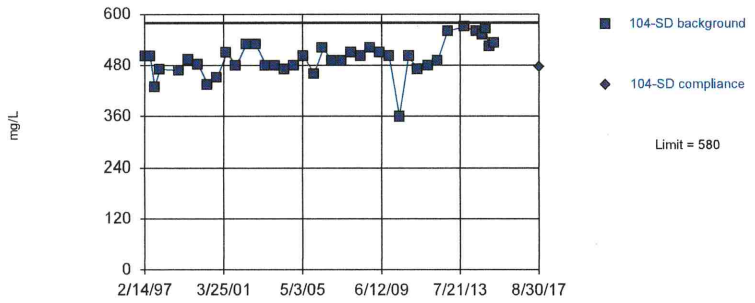
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.2e8, Std. Dev.=2.9e7, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9649, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 840 (4/11/2013).

Constituent: Hardness Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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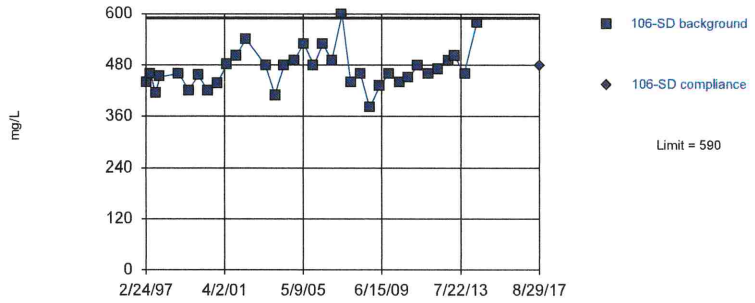
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.15, Std. Dev.=0.09469, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9671, critical = 0.91. Kappa = 2.466 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Five background outliers were removed: 180 (11/19/2002); 1300 (9/24/2014); 838 (11/20/2014); 1100 (2/4/2015); 817 (5/14/2015).

Constituent: Hardness Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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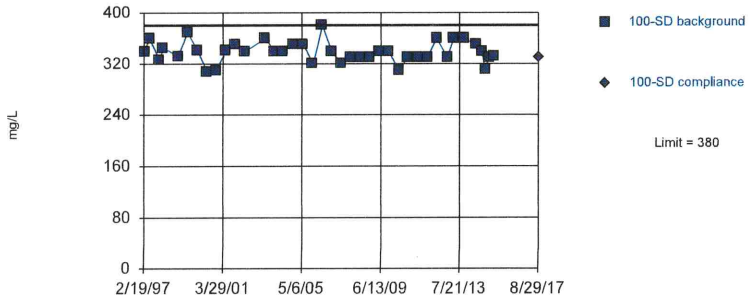
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.824, Std. Dev.=0.04847, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9622, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 120 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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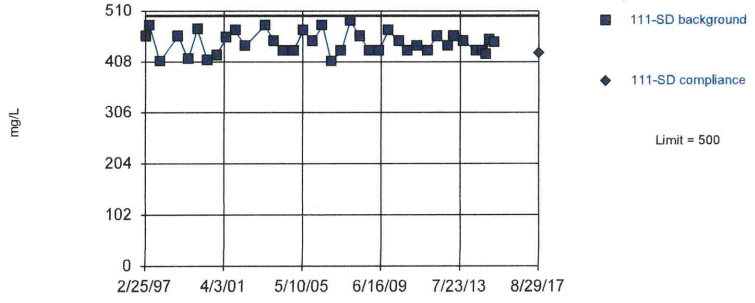
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=7.638, Std. Dev.=0.1242, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9532, critical = 0.916. Kappa = 2.442 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Two background outliers were removed: 37.1 (8/21/1997); 150 (11/19/2002).

Constituent: Hardness Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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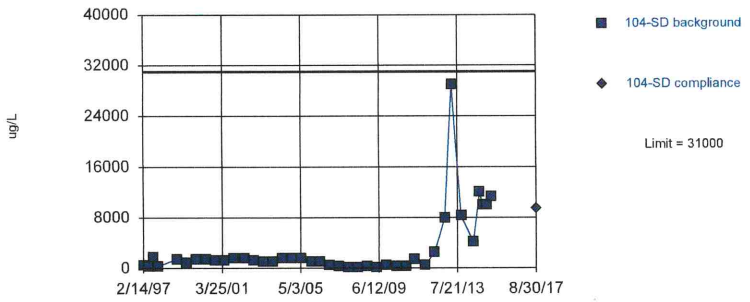
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=7.096, Std. Dev.=1.332, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9354, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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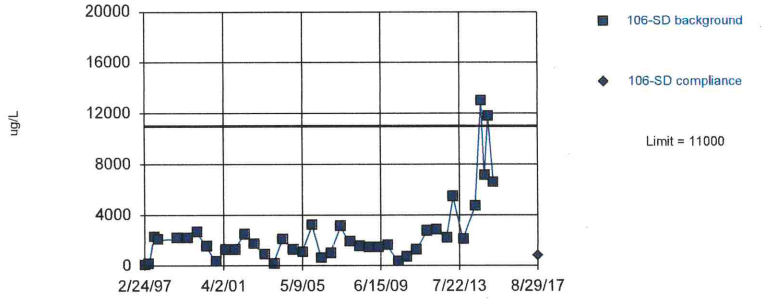
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=12.37, Std. Dev.=4.148, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9425, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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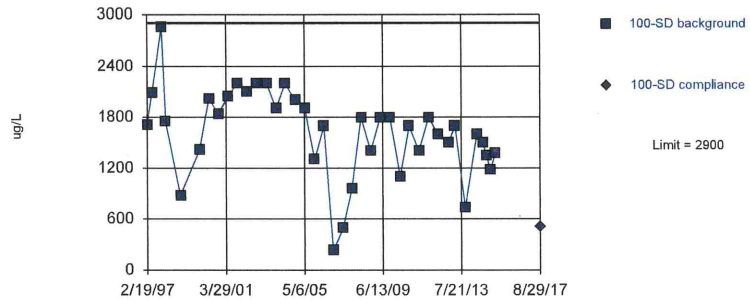
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1623, Std. Dev.=514.4, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9632, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 3550 (5/18/1999).

Constituent: Iron Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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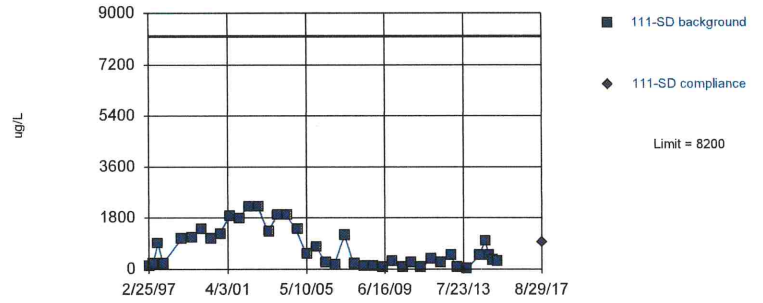
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.026, Std. Dev.=1.228, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9369, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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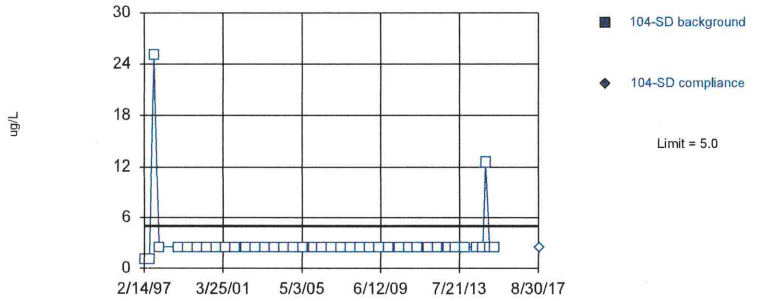
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Lead Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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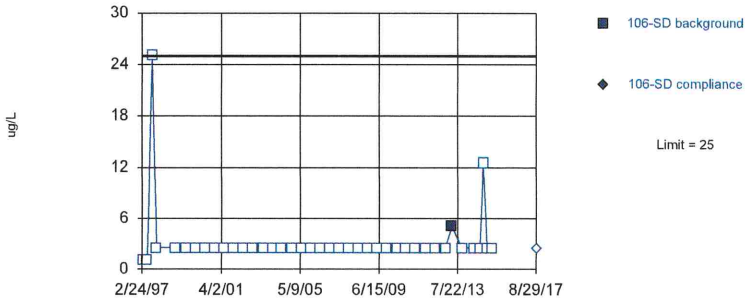
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

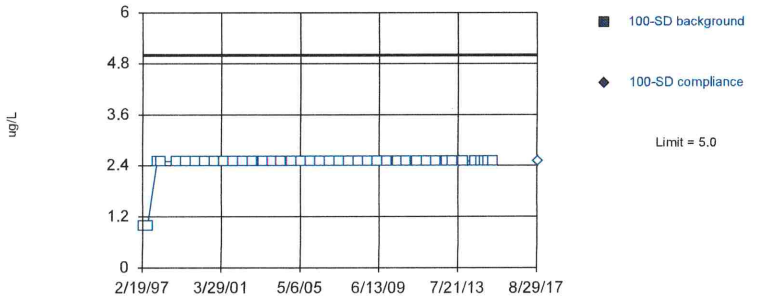
Constituent: Lead Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

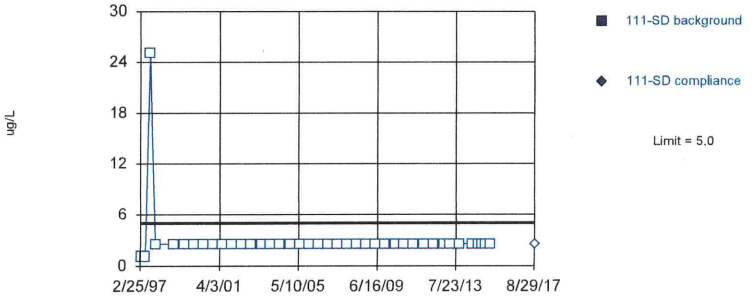
Constituent: Lead Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Lead Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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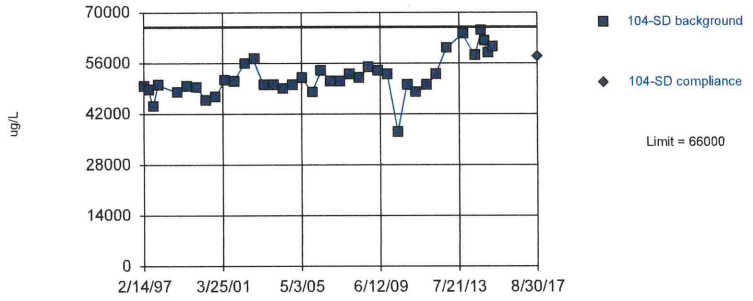
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=228.1, Std. Dev.=12.08, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9487, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 100000 (4/11/2013).

Constituent: Magnesium Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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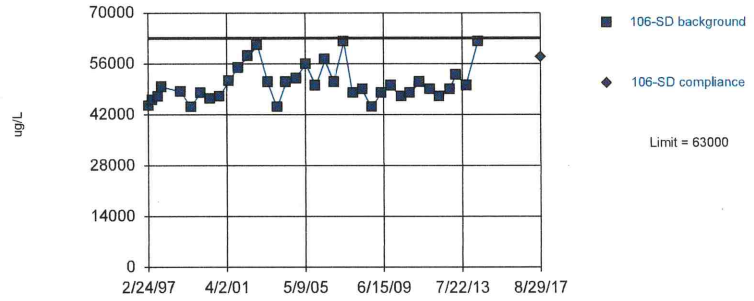
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.82, Std. Dev.=0.09234, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.912. Kappa = 2.458 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Four background outliers were removed: 190000 (9/24/2014); 119000 (11/20/2014); 160000 (2/4/2015); 120000 (5/14/2015).

Constituent: Magnesium Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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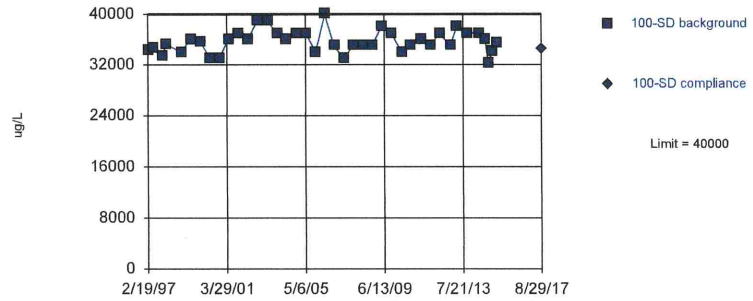
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.48, Std. Dev.=0.04911, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9731, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Magnesium Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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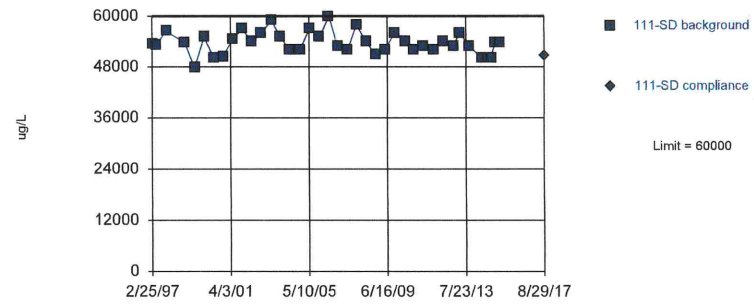
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.89, Std. Dev.=0.0489, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9842, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 3810 (8/21/1997).

Constituent: Magnesium Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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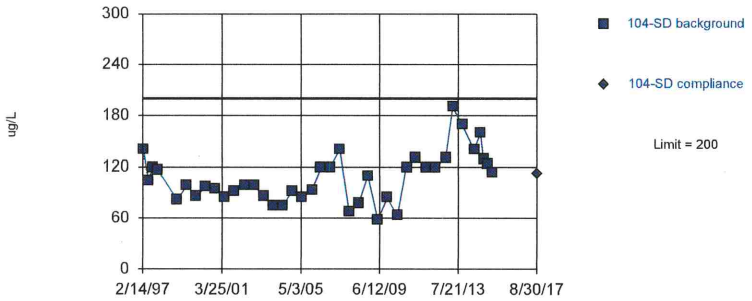
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=4.643, Std. Dev.=0.2679, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9844, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Manganese Total Analysis Run 9/20/2017 2:43 PM

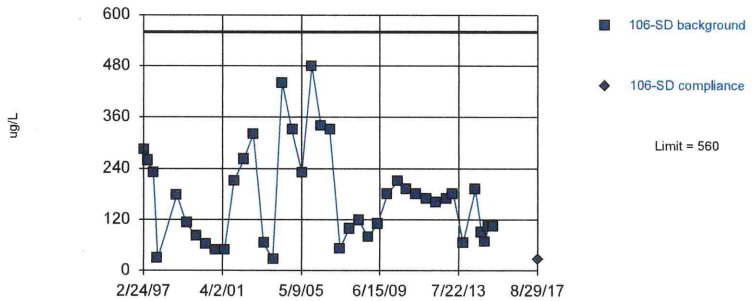
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=5.302, Std. Dev.=1.222, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9728, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Manganese Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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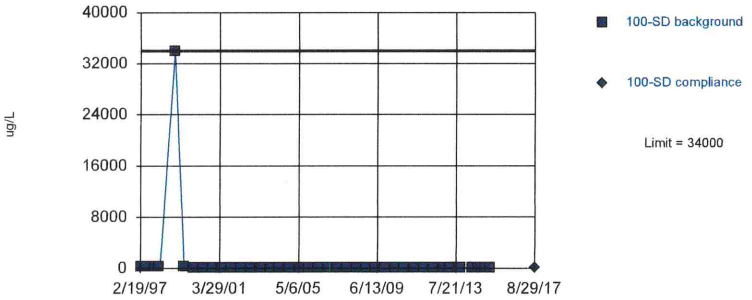
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Manganese Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

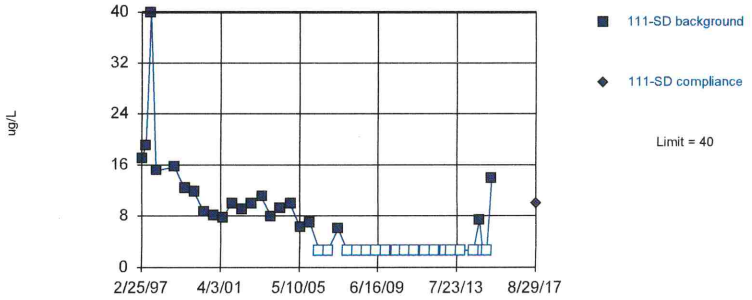
Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 45% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Manganese Total Analysis Run 9/20/2017 2:43 PM

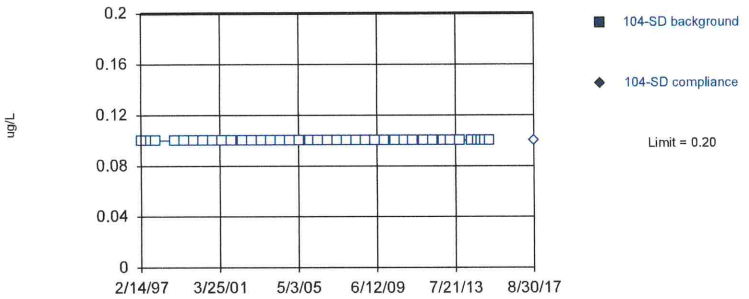
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

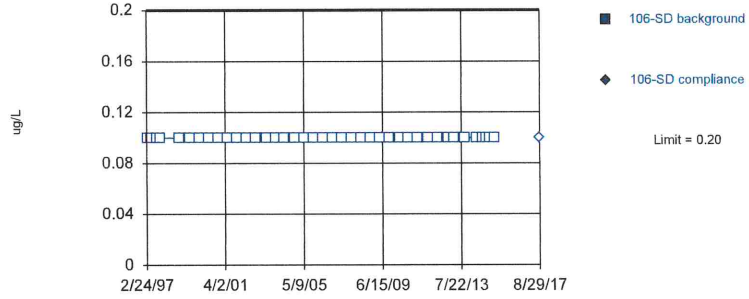
Constituent: Mercury Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

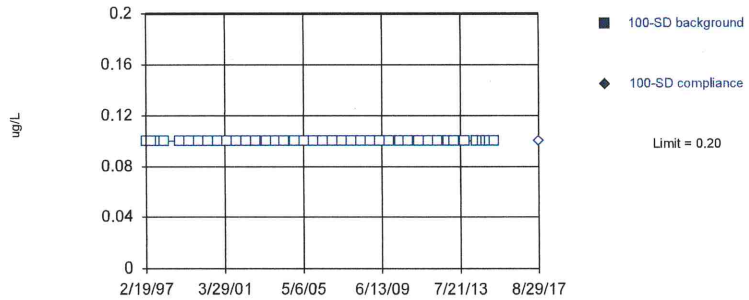
Constituent: Mercury Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

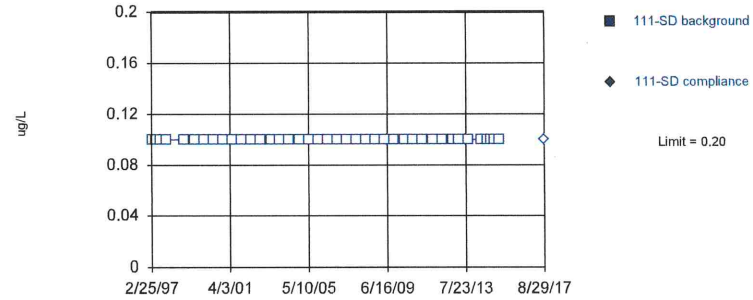
Constituent: Mercury Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

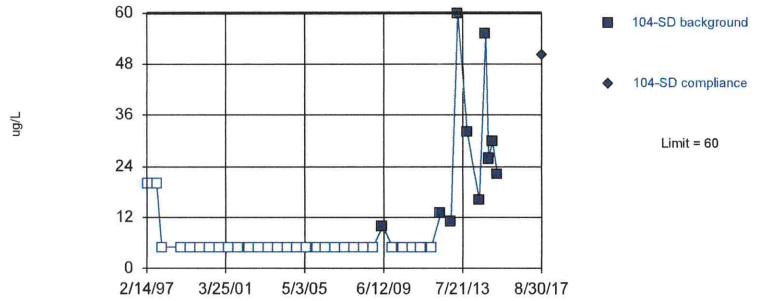
Constituent: Mercury Total Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 75% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/20/2017 2:43 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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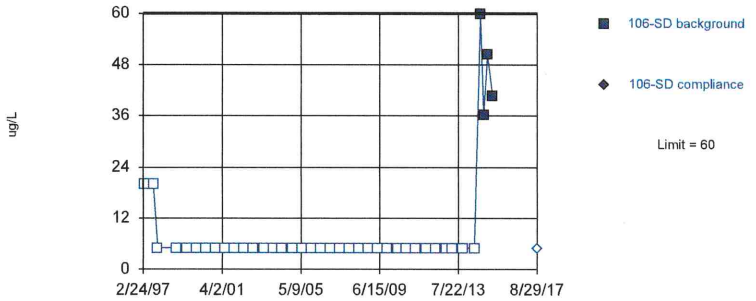
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/20/2017 2:43 PM

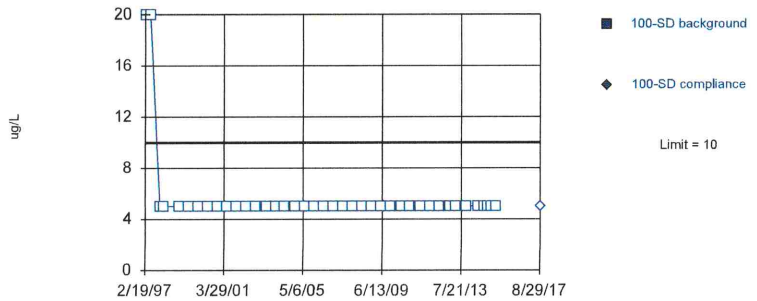
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/20/2017 2:43 PM

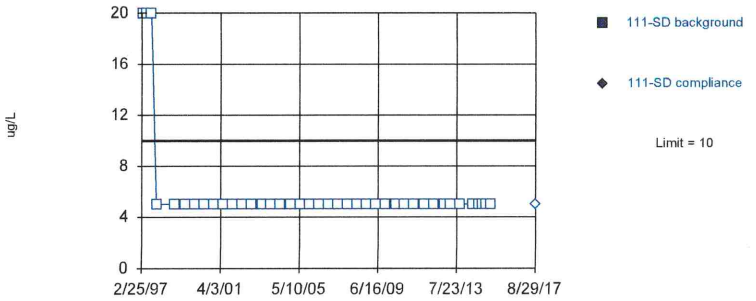
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 9/20/2017 2:43 PM

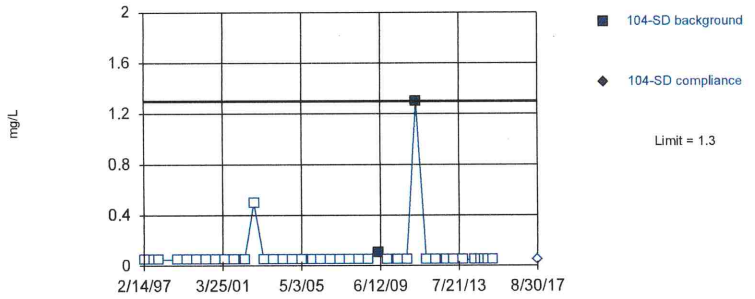
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

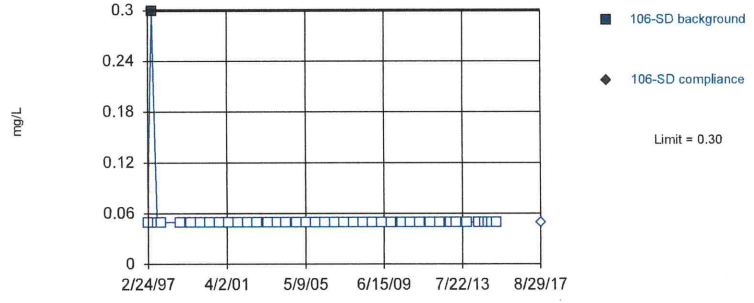
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

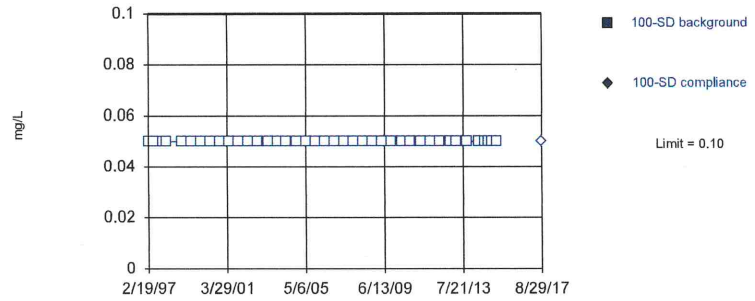
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 2:43 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

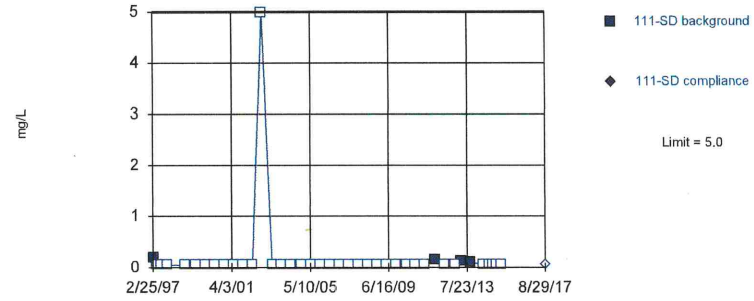
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

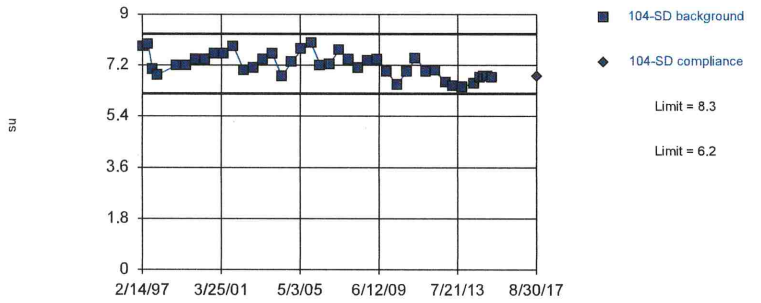
Constituent: Nitrate/Nitrite Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.97, Std. Dev.=0.05879, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9631, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/20/2017 2:44 PM

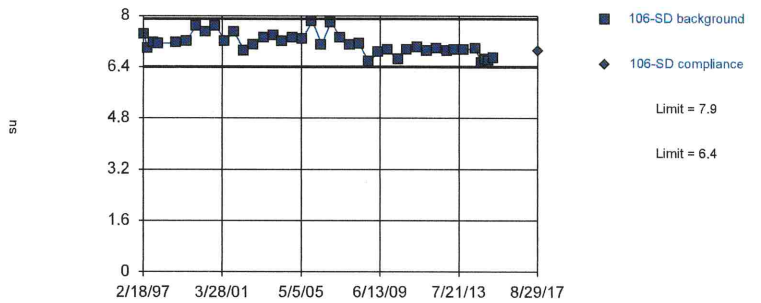
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.961, Std. Dev.=0.04615, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9633, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/20/2017 2:44 PM

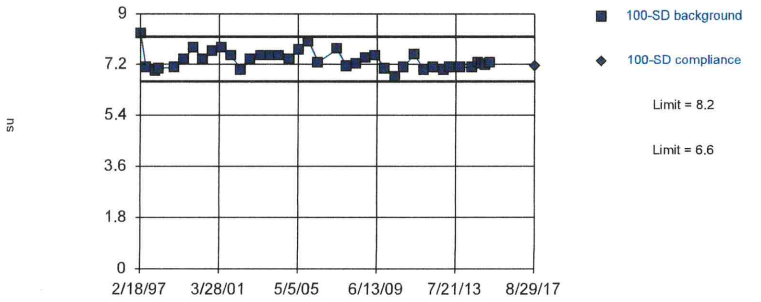
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.993, Std. Dev.=0.04354, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 8.5 (11/8/2006).

Constituent: pH [Field] Analysis Run 9/20/2017 2:44 PM

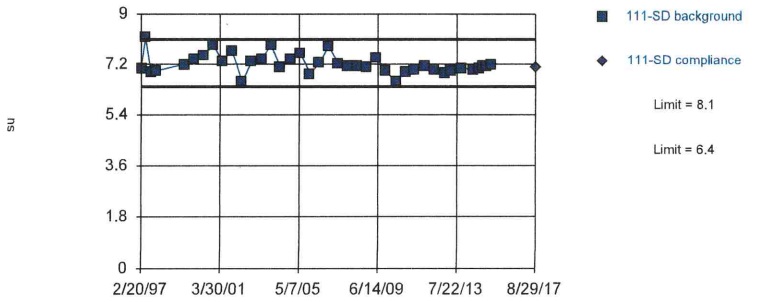
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.976, Std. Dev.=0.04679, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 5.2 (11/12/1998).

Constituent: pH [Field] Analysis Run 9/20/2017 2:44 PM

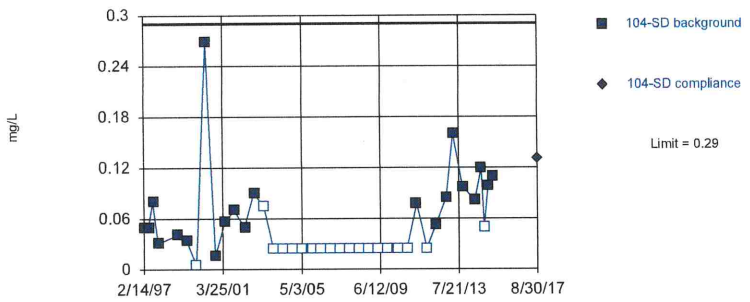
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-3.189, Std. Dev.=0.7998, n=40, 47.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9209, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. After outlier removal distribution was non-normal, so outlier results were invalidated.

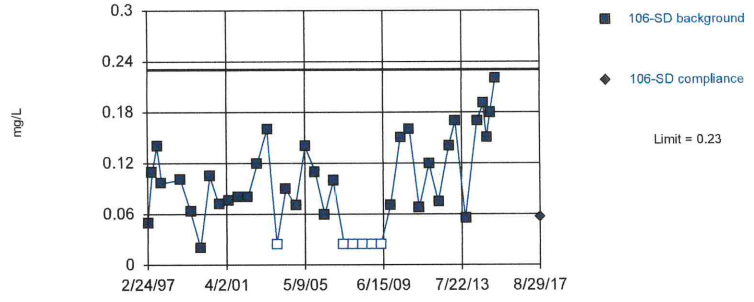
Constituent: Phosphorus Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.09779, Std. Dev.=0.05309, n=40, 15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9491, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

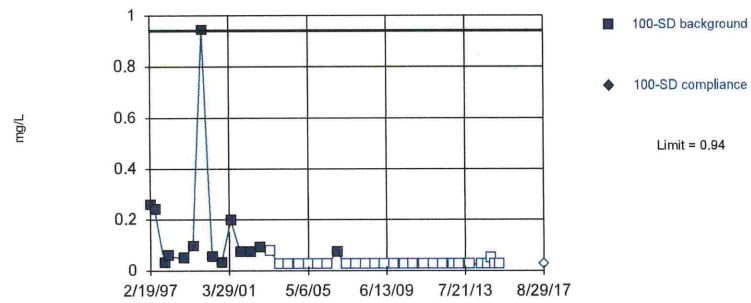
Constituent: Phosphorus Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 65% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

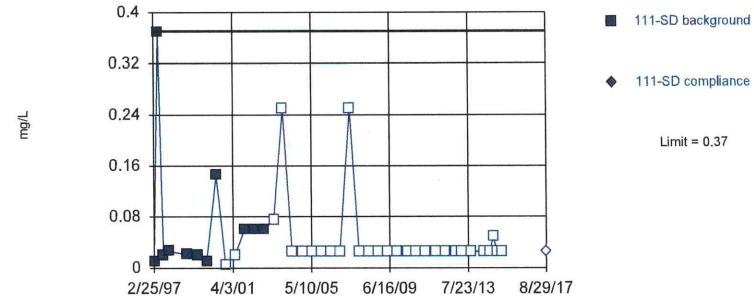
Constituent: Phosphorus Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 72.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

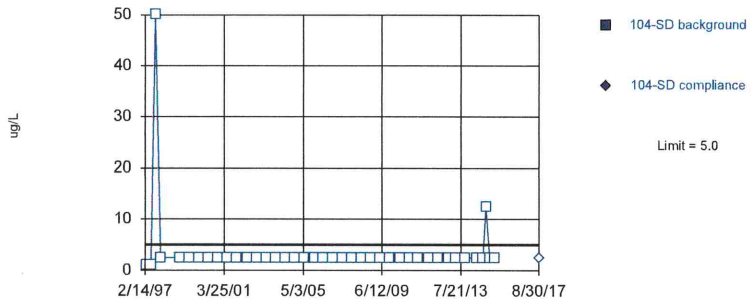
Constituent: Phosphorus Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Selenium Total Analysis Run 9/20/2017 2:44 PM

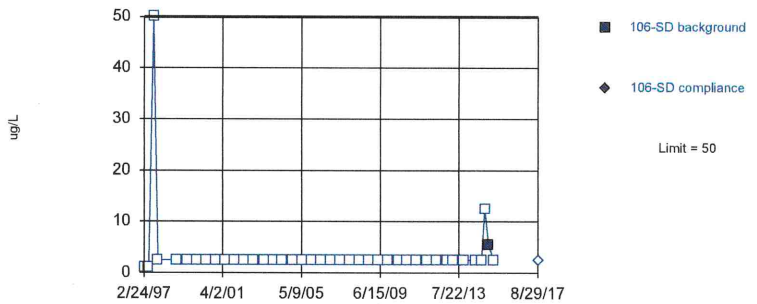
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Selenium Total Analysis Run 9/20/2017 2:44 PM

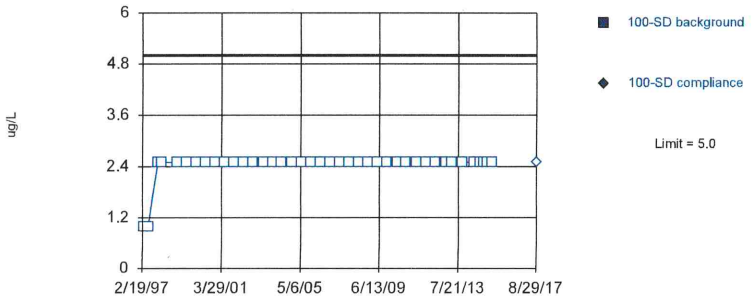
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Selenium Total Analysis Run 9/20/2017 2:44 PM

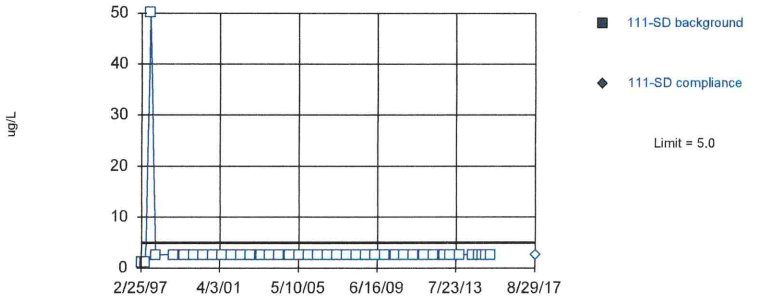
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Selenium Total Analysis Run 9/20/2017 2:44 PM

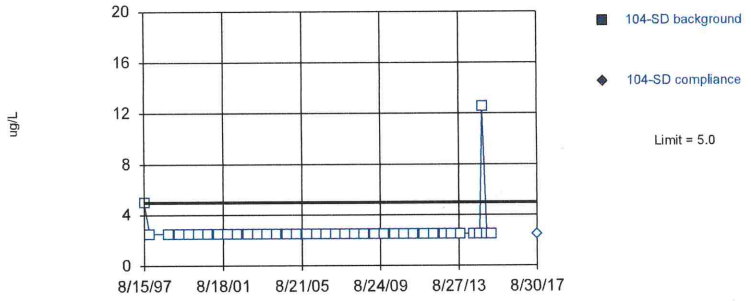
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005135. Individual comparison alpha = 0.001286 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

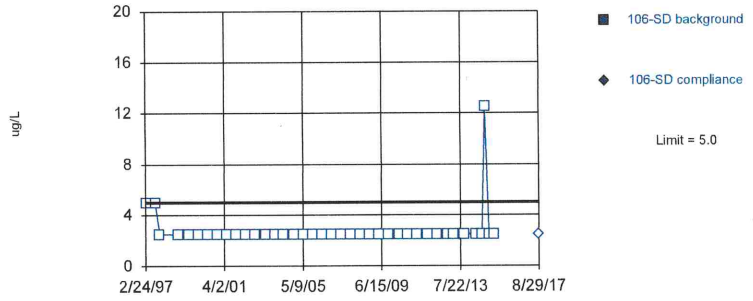
Constituent: Silver Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 39) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004868. Individual comparison alpha = 0.001219 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

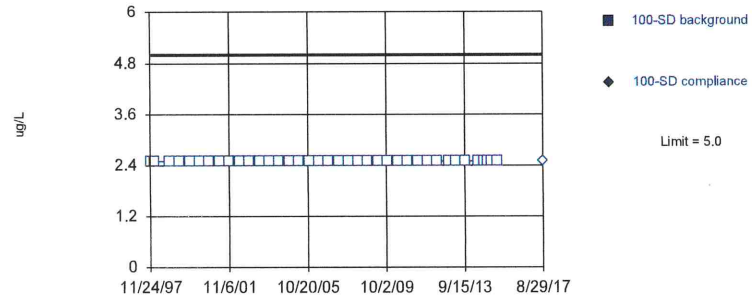
Constituent: Silver Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005135. Individual comparison alpha = 0.001286 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

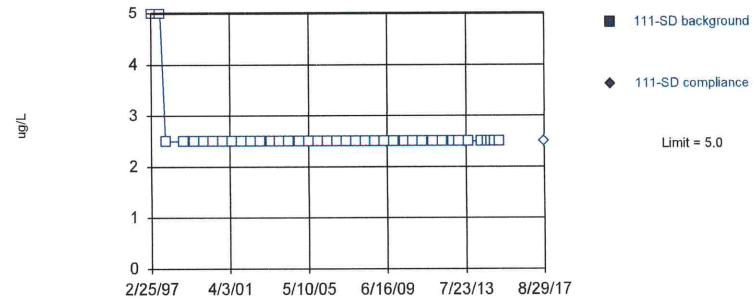
Constituent: Silver Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



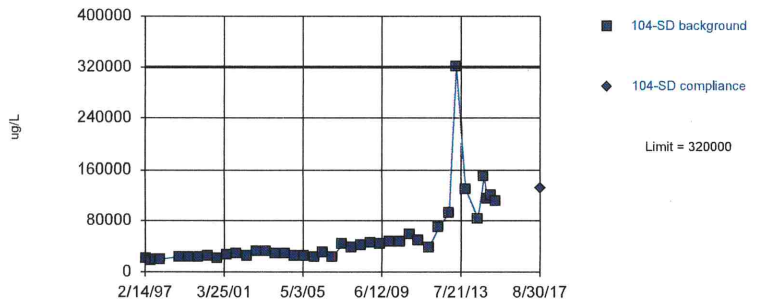
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 39) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004868. Individual comparison alpha = 0.001219 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Silver Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Sodium Total Analysis Run 9/20/2017 2:44 PM

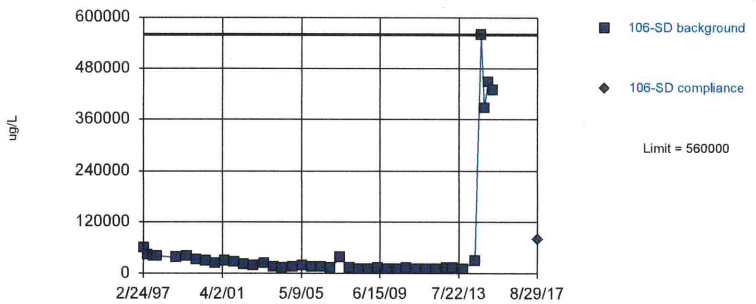
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Sodium Total Analysis Run 9/20/2017 2:44 PM

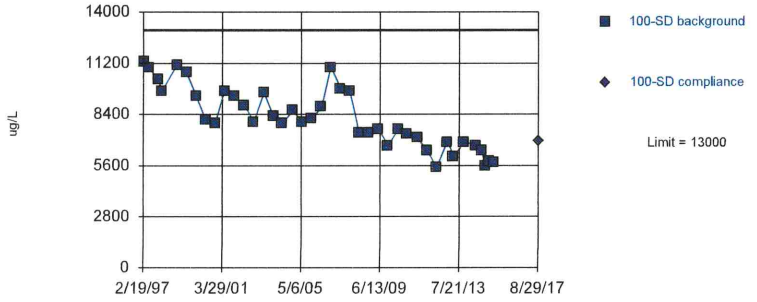
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=20.08, Std. Dev.=1.372, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9567, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/20/2017 2:44 PM

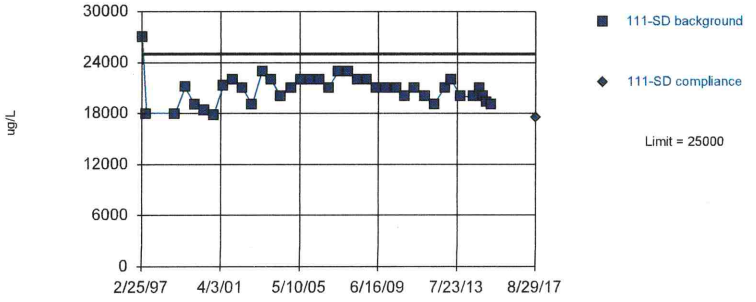
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=9.94, Std. Dev.=0.08286, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9403, critical = 0.916. Kappa = 2.442 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Two background outliers were removed: 218000 (8/21/1997); 73500 (11/24/1997).

Constituent: Sodium Total Analysis Run 9/20/2017 2:44 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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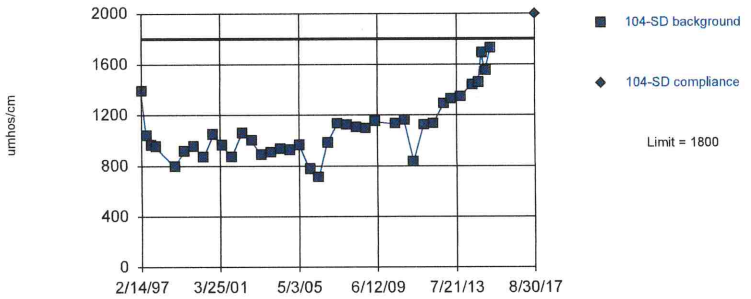
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.975, Std. Dev.=0.2109, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.963, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 130.2 (11/4/2009).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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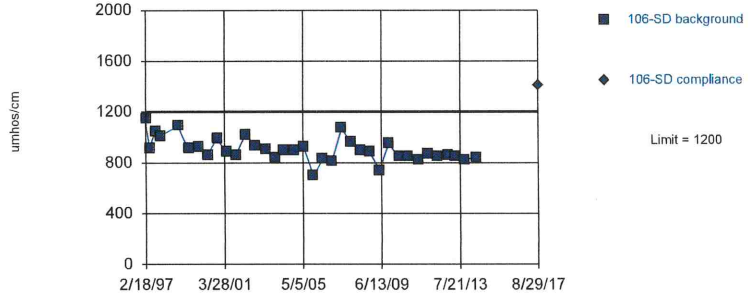
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.803, Std. Dev.=0.1014, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9655, critical = 0.912. Kappa = 2.458 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Four background outliers were removed: 4250 (9/24/2014); 3260 (11/20/2014); 3750 (2/4/2015); 3640 (5/14/2015).

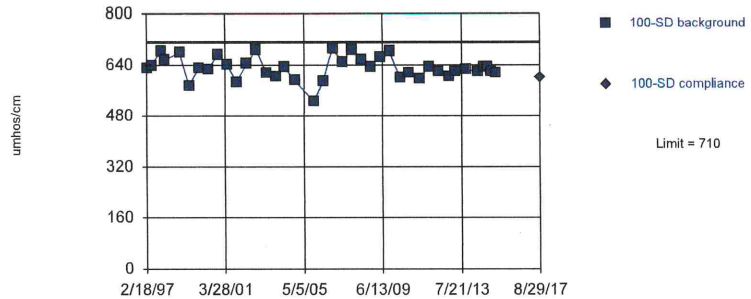
Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=2.5e8, Std. Dev.=4.1e7, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9646, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 325 (5/24/2005).

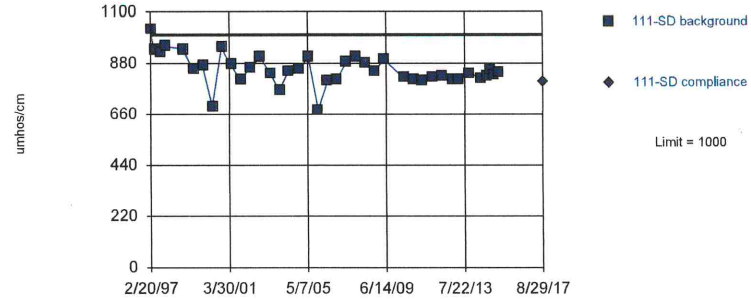
Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



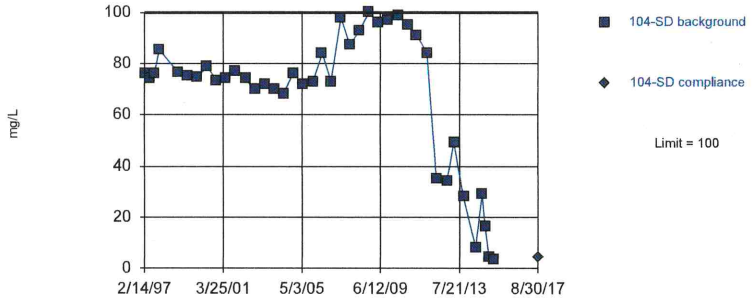
Background Data Summary (based on square transformation): Mean=731124, Std. Dev.=112677, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9559, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 157.9 (11/3/2009).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Sulfate Analysis Run 9/20/2017 2:44 PM

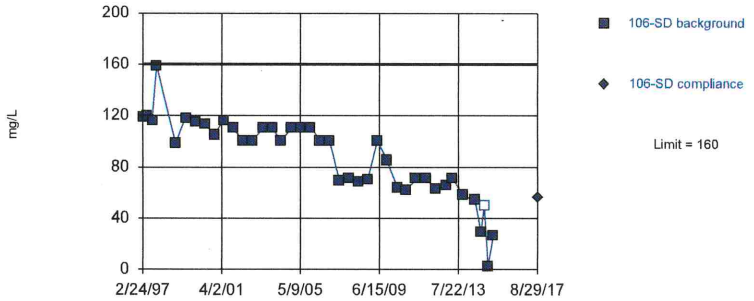
Bridgeton LF Client: RSI Data: Bridgeton LF

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=87.24, Std. Dev.=31.12, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9381, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

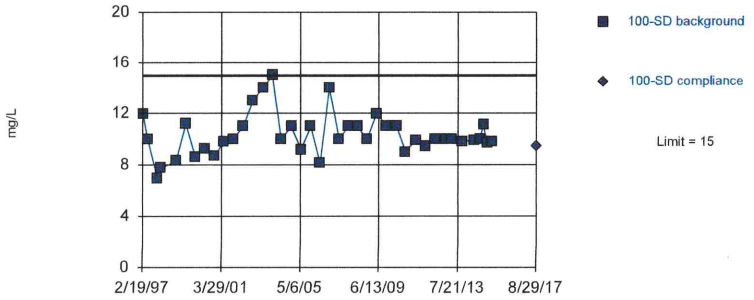
Constituent: Sulfate Analysis Run 9/20/2017 2:44 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.323, Std. Dev.=0.1561, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9566, critical = 0.919. Kappa = 2.426 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

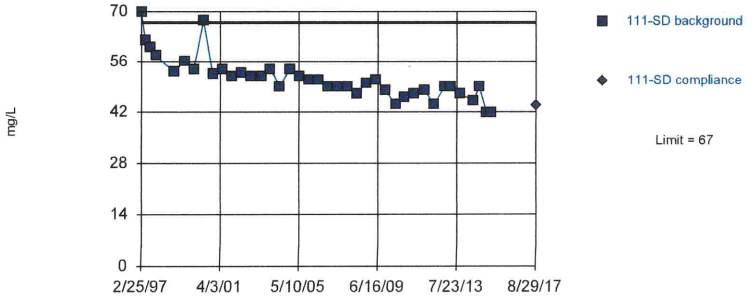
Constituent: Sulfate Analysis Run 9/20/2017 2:44 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=3.932, Std. Dev.=0.1116, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9407, critical = 0.917. Kappa = 2.434 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: <50 (11/19/2014).

Constituent: Sulfate Analysis Run 9/20/2017 2:44 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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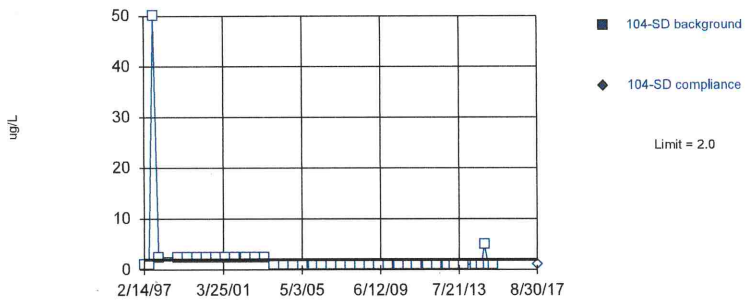
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

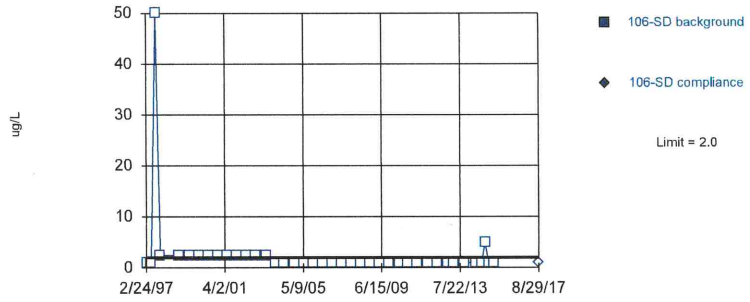
Constituent: Thallium Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

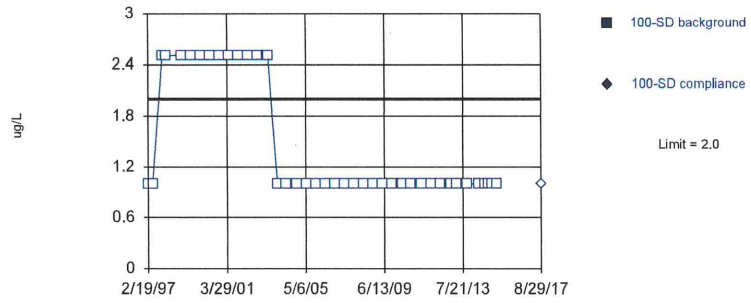
Constituent: Thallium Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

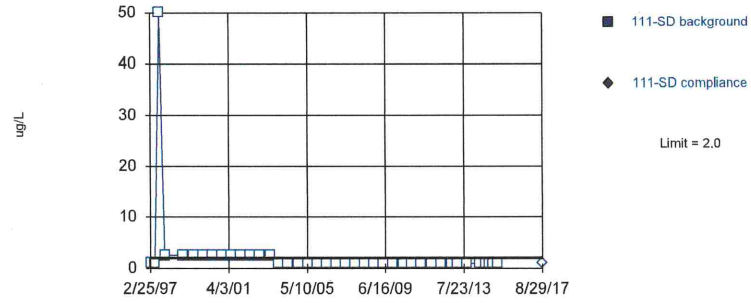
Constituent: Thallium Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

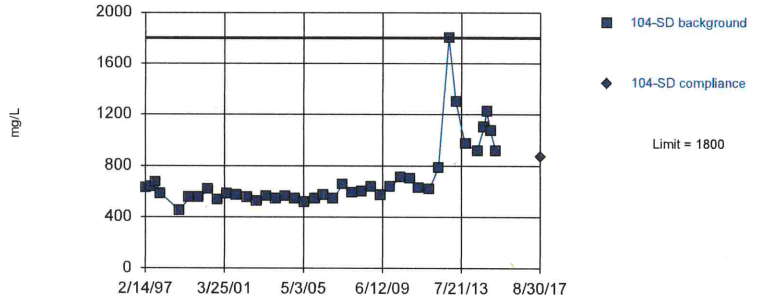
Constituent: Thallium Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 2:44 PM

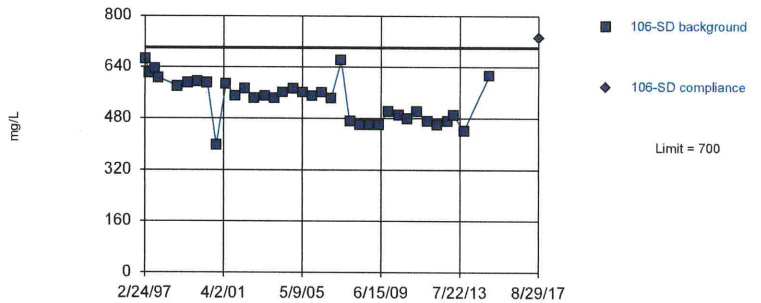
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=538.1, Std. Dev.=65.86, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9645, critical = 0.912. Kappa = 2.458 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Four background outliers were removed: 1600 (5/28/2014); 3200 (9/24/2014); 2090 (11/20/2014); 2150 (5/14/2015).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 2:44 PM

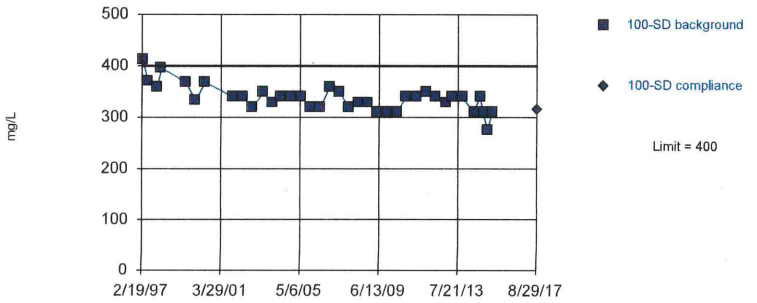
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.819, Std. Dev.=0.07451, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9522, critical = 0.914. Kappa = 2.45 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Three background outliers were removed: 116 (11/14/1998); 512 (11/13/2000); 551 (5/15/2001).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 2:44 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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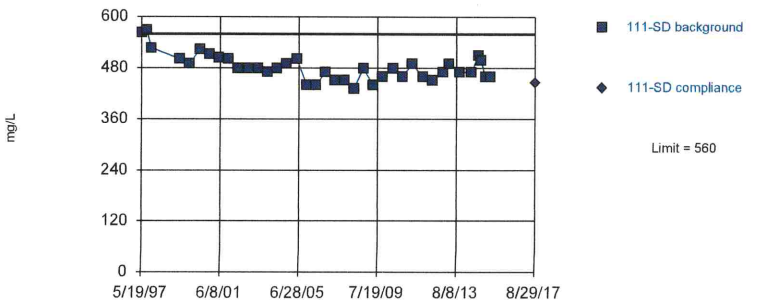
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.175, Std. Dev.=0.06301, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9556, critical = 0.916. Kappa = 2.442 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Two background outliers were removed: 340 (2/25/1997); 634 (11/12/1998).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 2:44 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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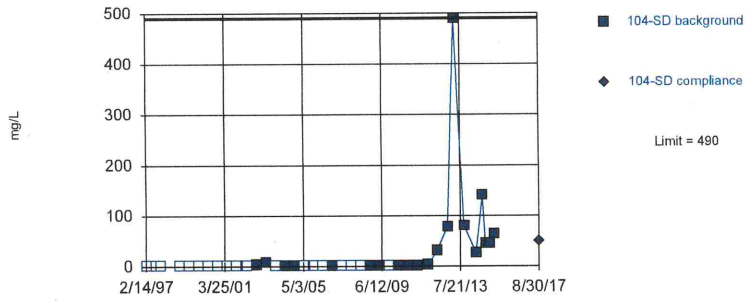
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 50% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

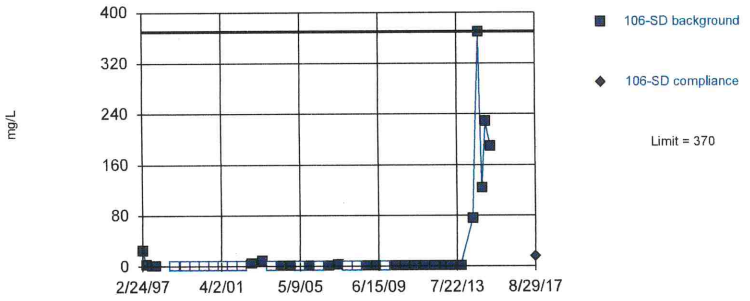
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 35% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

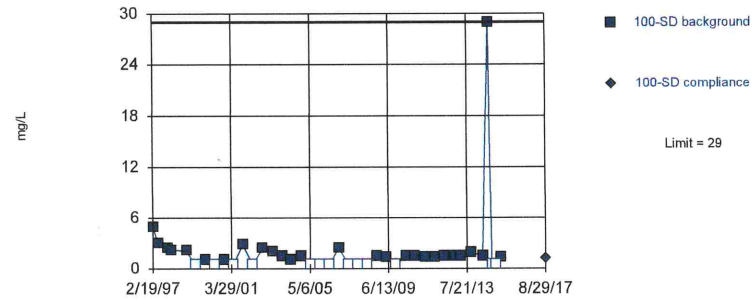
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 32.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

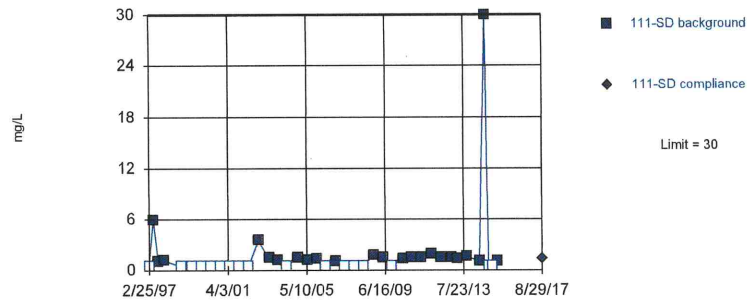
Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 42.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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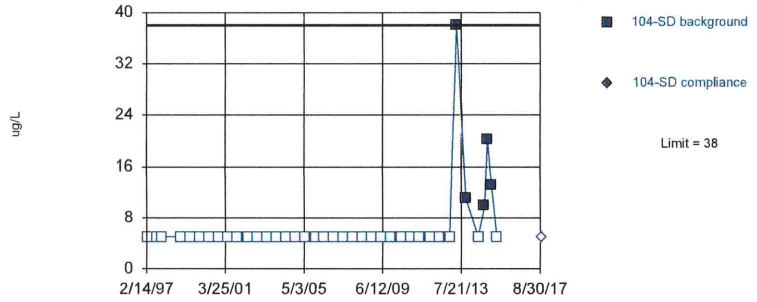
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Vanadium Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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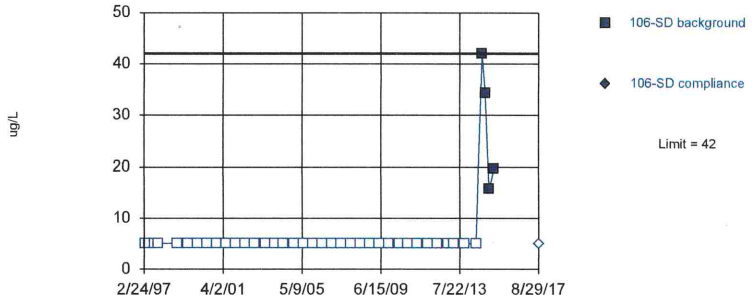
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

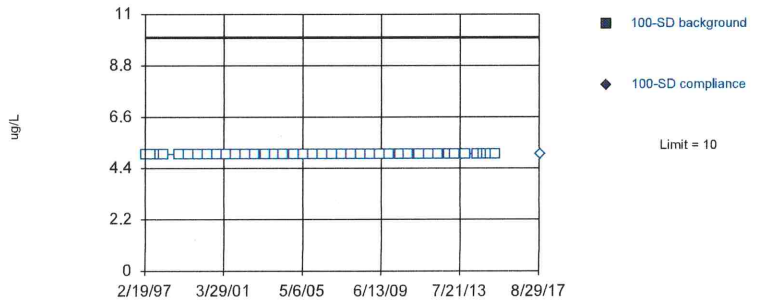
Constituent: Vanadium Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 40) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

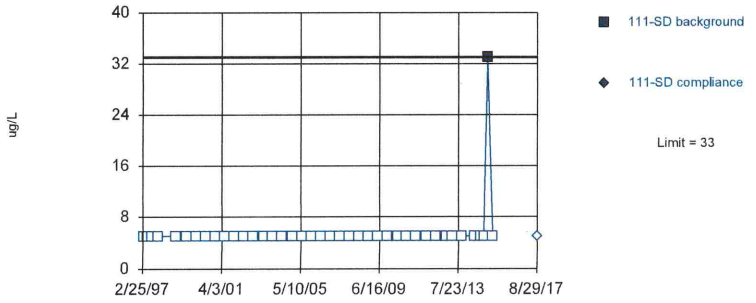
Constituent: Vanadium Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

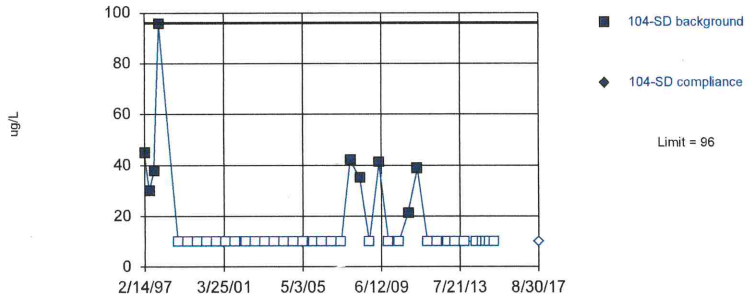
Constituent: Vanadium Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 77.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

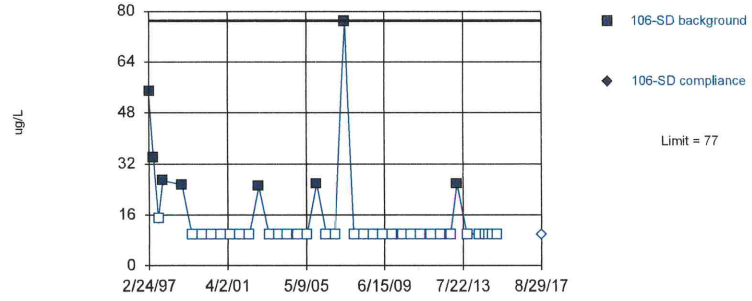
Constituent: Zinc Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 80% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

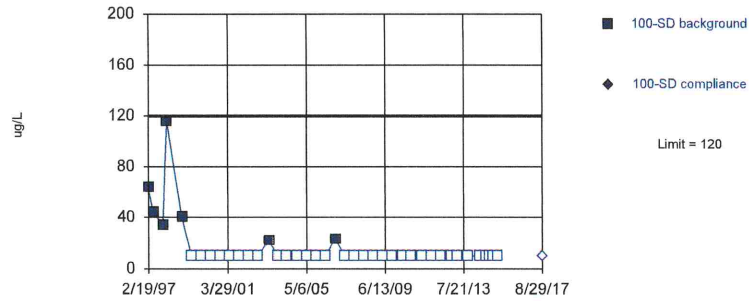
Constituent: Zinc Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

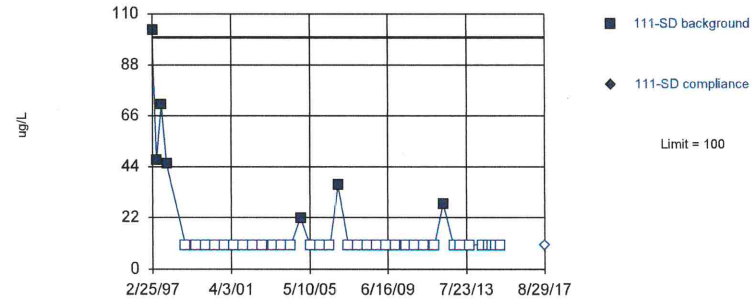
Constituent: Zinc Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 82.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Zinc Total Analysis Run 9/20/2017 2:44 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Prediction Limit

Bridgeton LF Client: RSI Data: Bridgeton LF Printed 9/20/2017, 4:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium Total (ug/L)	106-SD	140000	n/a	8/29/2017	96500	No	37	11.57	0.1154	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	104-SD	760	n/a	8/30/2017	150	No	36	n/a	n/a	69.44	n/a	n/a	0.00142	NP Intra (NDs) 1 of 2
Chloride (mg/L)	**104-SD**	**110**	**n/a**	**8/30/2017**	**201**	**Yes**	**26**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.002637**	**NP Intra (normality) 1 of 2**
Hardness Total (mg/L)	104-SD	570	n/a	8/30/2017	475	No	34	1.2e8	2.6e7	0	None	x^3	0.0001937	Param Intra 1 of 2
Hardness Total (mg/L)	106-SD	590	n/a	8/29/2017	479	No	35	6.15	0.09469	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Iron Total (ug/L)	106-SD	8600	n/a	8/29/2017	747	No	37	11.73	3.576	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Magnesium Total (ug/L)	104-SD	58000	n/a	8/30/2017	57800	No	31	36.99	0.6987	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Magnesium Total (ug/L)	106-SD	63000	n/a	8/29/2017	57700	No	36	10.82	0.09234	0	None	ln(x)	0.0001937	Param Intra 1 of 2
pH [Field] (su)	104-SD	8.2	6.2	8/30/2017	6.79	No	34	53	5.7	0	None	x^2	0.00009683	Param Intra 1 of 2
pH [Field] (su)	106-SD	8	6.5	8/29/2017	6.9	No	31	1.973	0.04295	0	None	ln(x)	0.00009683	Param Intra 1 of 2
Sodium Total (ug/L)	**104-SD**	**34000**	**n/a**	**8/30/2017**	**132000**	**Yes**	**10**	**10**	**0.1276**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Specific Conductance [Field] (umhos/cm)	**104-SD**	**1500**	**n/a**	**8/30/2017**	**2000**	**Yes**	**33**	**6.911**	**0.1526**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**104-SD**	**780**	**n/a**	**8/30/2017**	**872**	**Yes**	**32**	**6.38**	**0.11**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Total Organic Carbon [TOC] (mg/L)	**104-SD**	**32**	**n/a**	**8/30/2017**	**51.1**	**Yes**	**32**	**n/a**	**n/a**	**62.5**	**n/a**	**n/a**	**0.001789**	**NP Intra (NDs) 1 of 2**
Ammonia as N (mg/L)	**106-SD**	**1.4**	**n/a**	**8/29/2017**	**22.3**	**Yes**	**29**	**n/a**	**n/a**	**55.17**	**n/a**	**n/a**	**0.002152**	**NP Intra (NDs) 1 of 2**
Total Organic Carbon [TOC] (mg/L)	106-SD	370	n/a	8/29/2017	15	No	37	n/a	n/a	37.84	n/a	n/a	0.001353	NP Intra (normality) 1 of 2
Barium Total (ug/L)	**104-SD**	**230**	**n/a**	**8/30/2017**	**592**	**Yes**	**28**	**5.011**	**0.17**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Barium Total (ug/L)	**106-SD**	**100**	**n/a**	**8/29/2017**	**282**	**Yes**	**11**	**465937**	**199834**	**0**	**None**	**x^3**	**0.0001937**	**Param Intra 1 of 2**
Barium Total (ug/L)	111-SD	130	n/a	8/29/2017	101	No	12	4.538	0.1113	0	None	ln(x)	0.0001937	Param Intra 1 of 2

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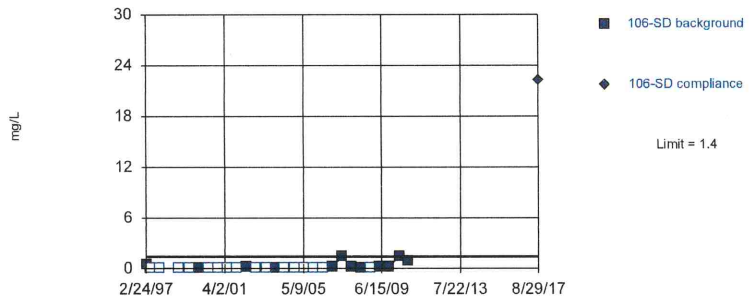
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 55.17% NDs. Well-constituent pair annual alpha = 0.00858. Individual comparison alpha = 0.002152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

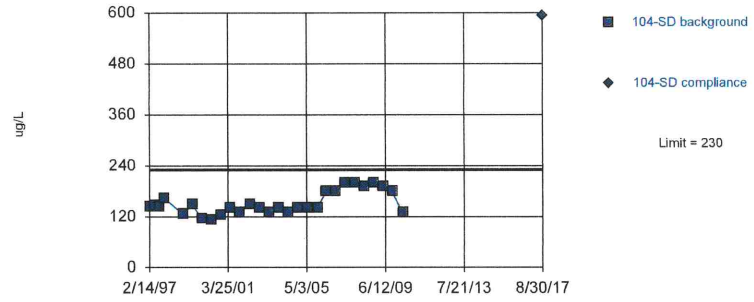
Constituent: Ammonia as N Analysis Run 9/20/2017 4:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.011, Std. Dev.=0.17, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9098, critical = 0.896. Kappa = 2.544 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Barium Total Analysis Run 9/20/2017 4:20 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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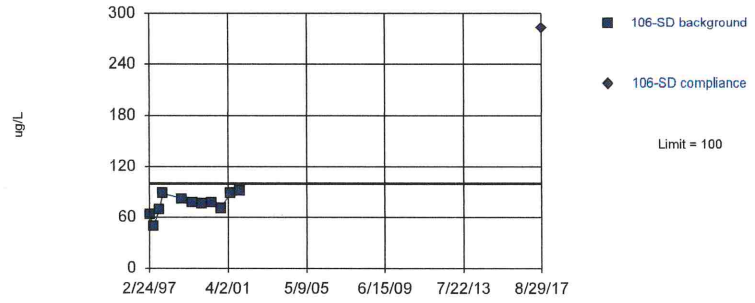
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=465937, Std. Dev.=199834, n=11. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9753, critical = 0.85. Kappa = 3.335 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Dixon's outlier test was performed on the background data. No background outliers were found.

Constituent: Barium Total Analysis Run 9/20/2017 4:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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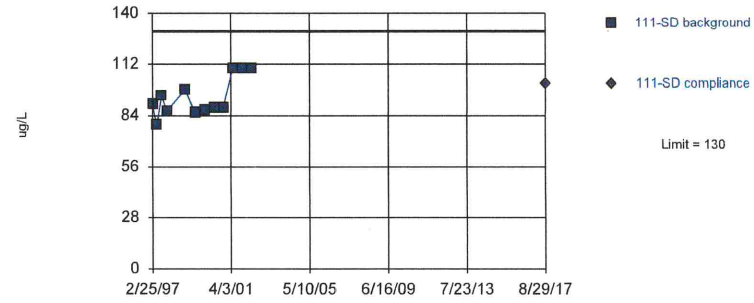
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=4.538, Std. Dev.=0.1113, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8796, critical = 0.859. Kappa = 3.187 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Barium Total Analysis Run 9/20/2017 4:21 PM
Bridgeton LF Client: RSI Data: Bridgeton LF

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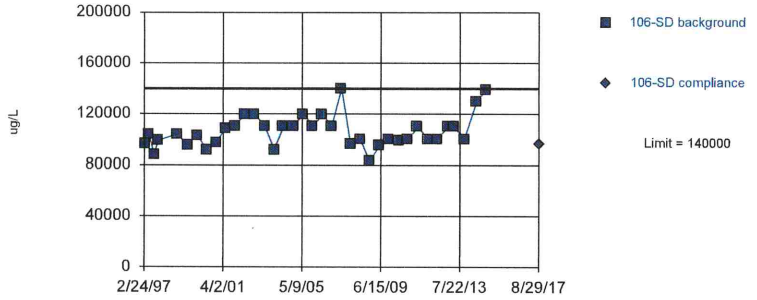
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.57, Std. Dev.=0.1154, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9502, critical = 0.914. Kappa = 2.45 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 200000 (9/24/2014).

Constituent: Calcium Total Analysis Run 9/20/2017 4:07 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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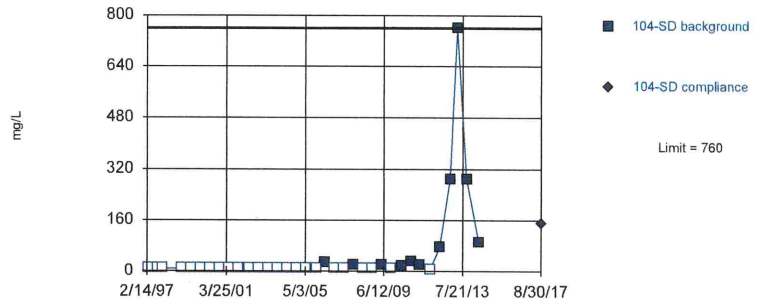
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 69.44% NDs. Well-constituent pair annual alpha = 0.005668. Individual comparison alpha = 0.00142 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/20/2017 4:07 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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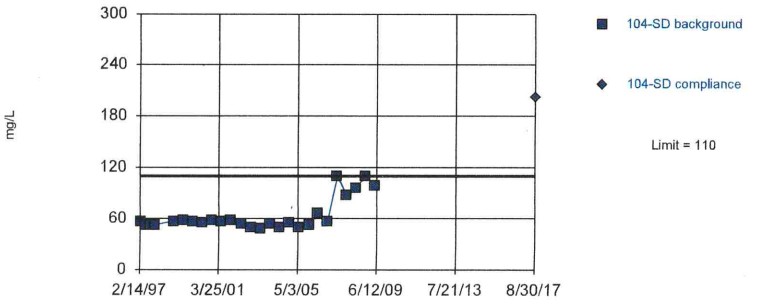
Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.01051. Individual comparison alpha = 0.002637 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 9/20/2017 4:08 PM

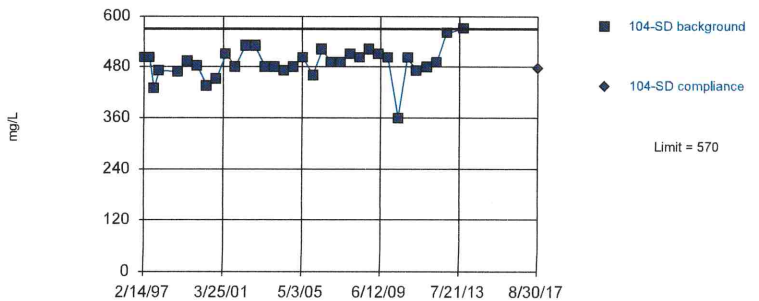
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.2e8, Std. Dev.=2.6e7, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9556, critical = 0.908. Kappa = 2.475 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 840 (4/11/2013).

Constituent: Hardness Total Analysis Run 9/20/2017 4:08 PM

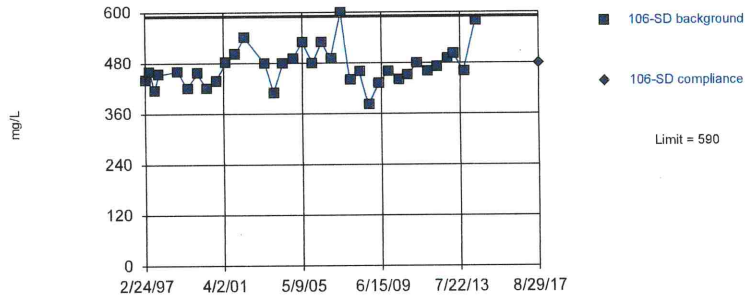
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.15, Std. Dev.=0.09469, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9671, critical = 0.91. Kappa = 2.466 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Two background outliers were removed: 180 (11/19/2002); 1300 (9/24/2014).

Constituent: Hardness Total Analysis Run 9/20/2017 4:09 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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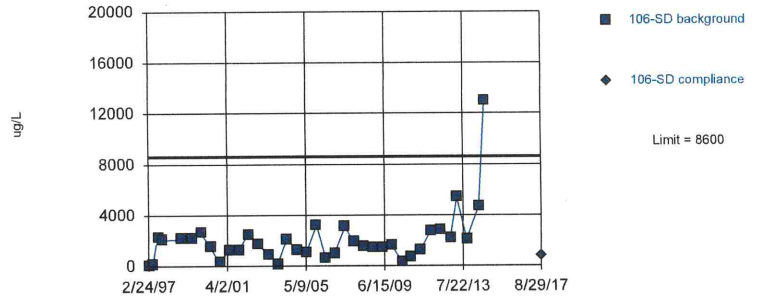
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=11.73, Std. Dev.=3.576, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9382, critical = 0.914. Kappa = 2.45 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Iron Total Analysis Run 9/20/2017 4:09 PM

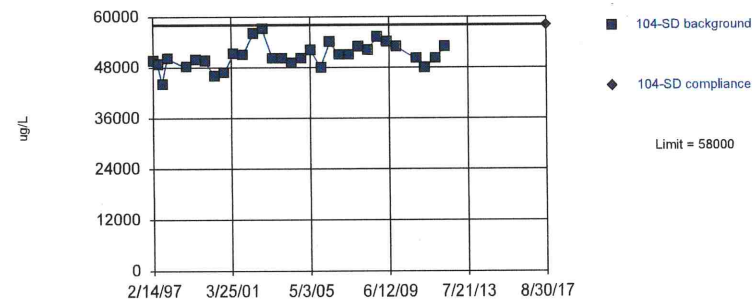
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=36.99, Std. Dev.=0.6987, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9809, critical = 0.902. Kappa = 2.504 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 37000 (5/20/2010).

Constituent: Magnesium Total Analysis Run 9/20/2017 4:09 PM

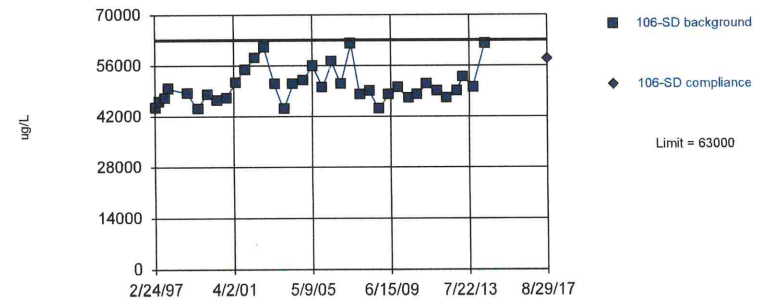
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10.82, Std. Dev.=0.09234, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.912. Kappa = 2.458 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. Two background outliers were removed: 190000 (9/24/2014); 119000 (11/20/2014).

Constituent: Magnesium Total Analysis Run 9/20/2017 4:10 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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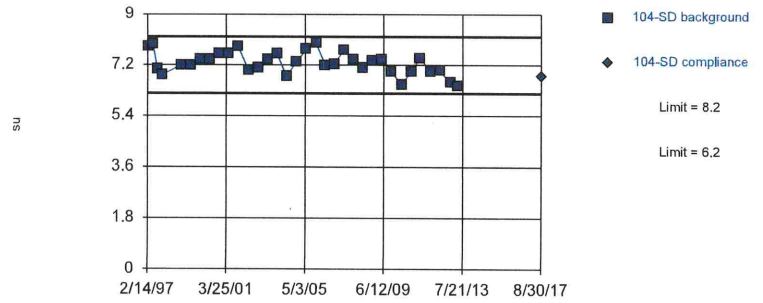
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=53, Std. Dev.=5.7, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9706, critical = 0.908. Kappa = 2.475 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/20/2017 4:10 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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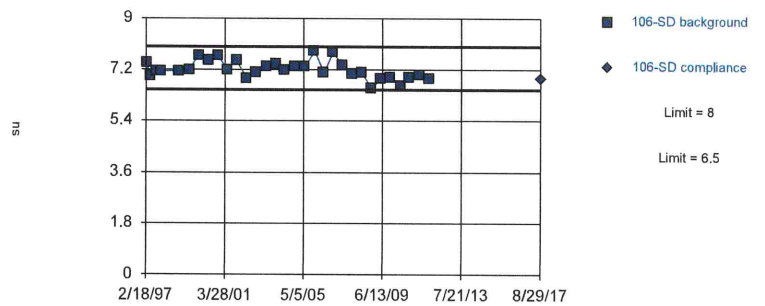
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.973, Std. Dev.=0.04295, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.902. Kappa = 2.504 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 9/20/2017 4:11 PM

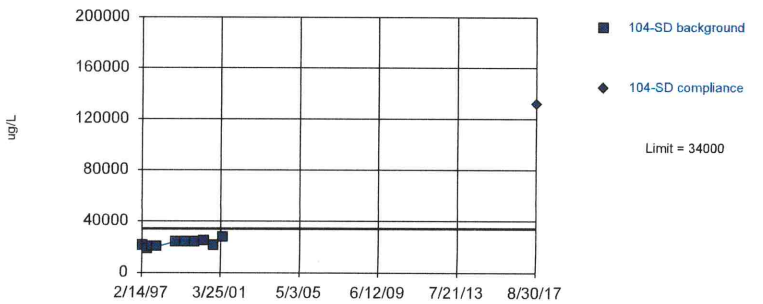
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=10, Std. Dev.=0.1276, n=10. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9451, critical = 0.842. Kappa = 3.482 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 9/20/2017 4:11 PM

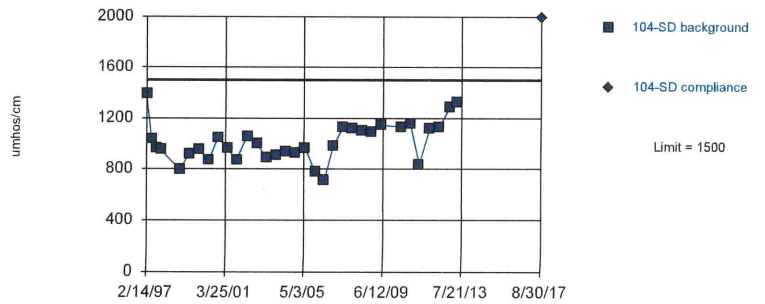
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.911, Std. Dev.=0.1526, n=33. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9837, critical = 0.906. Kappa = 2.485 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 130.2 (11/4/2009).

Constituent: Specific Conductance [Field] Analysis Run 9/20/2017 4:12 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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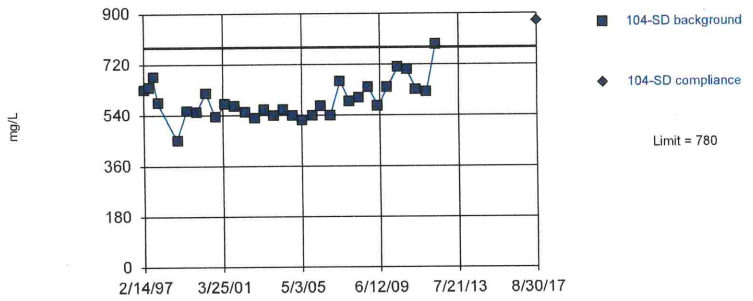
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=6.38, Std. Dev.=0.11, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9651, critical = 0.904. Kappa = 2.494 (c=34, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0001937. Rosner's outlier test was performed on the background data. One background outlier was removed: 1800 (11/27/2012).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/20/2017 4:14 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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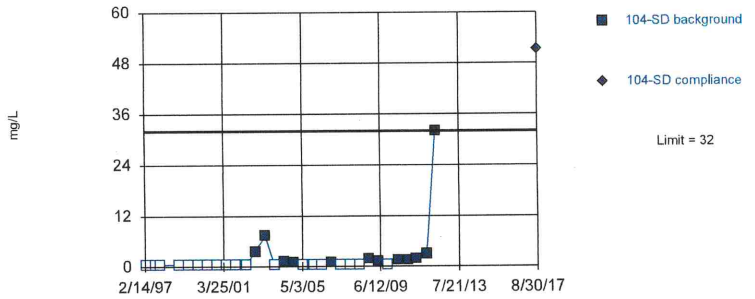
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.007136. Individual comparison alpha = 0.001789 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 4:14 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

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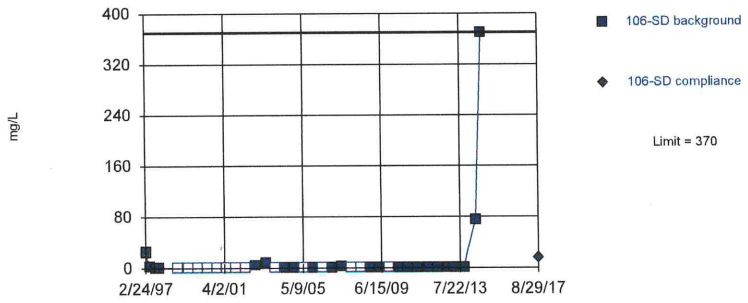
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 37.84% NDs. Well-constituent pair annual alpha = 0.005401. Individual comparison alpha = 0.001353 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Organic Carbon [TOC] Analysis Run 9/20/2017 4:14 PM

Bridgeton LF Client: RSI Data: Bridgeton LF

TREND EVALUATION OF EXCEEDING CONSTITUENTS

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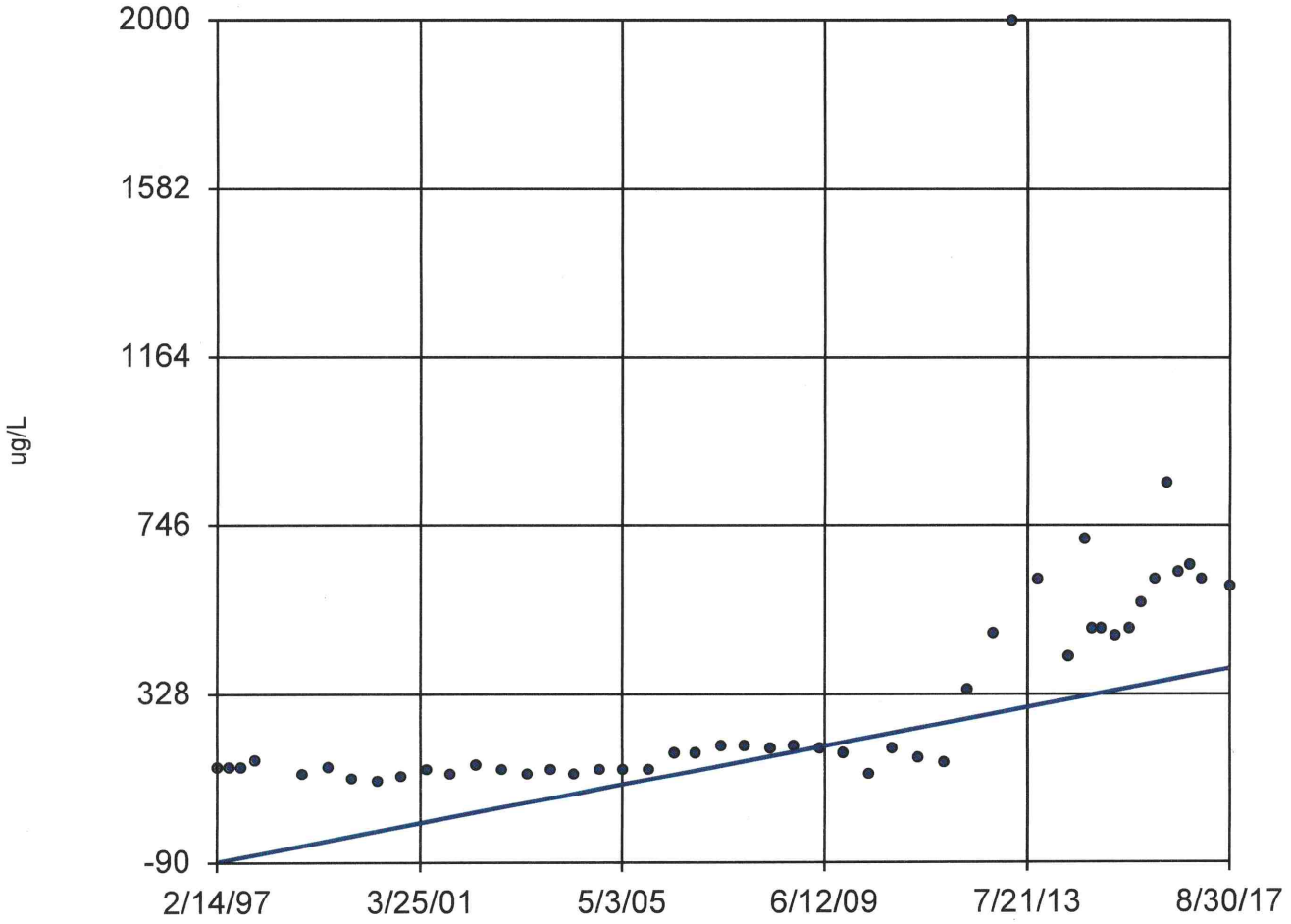
Sen's Slope Estimator

104-SD



n = 48

Slope = 23.33 units per year.

Mann-Kendall normal approx. = 6.418
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

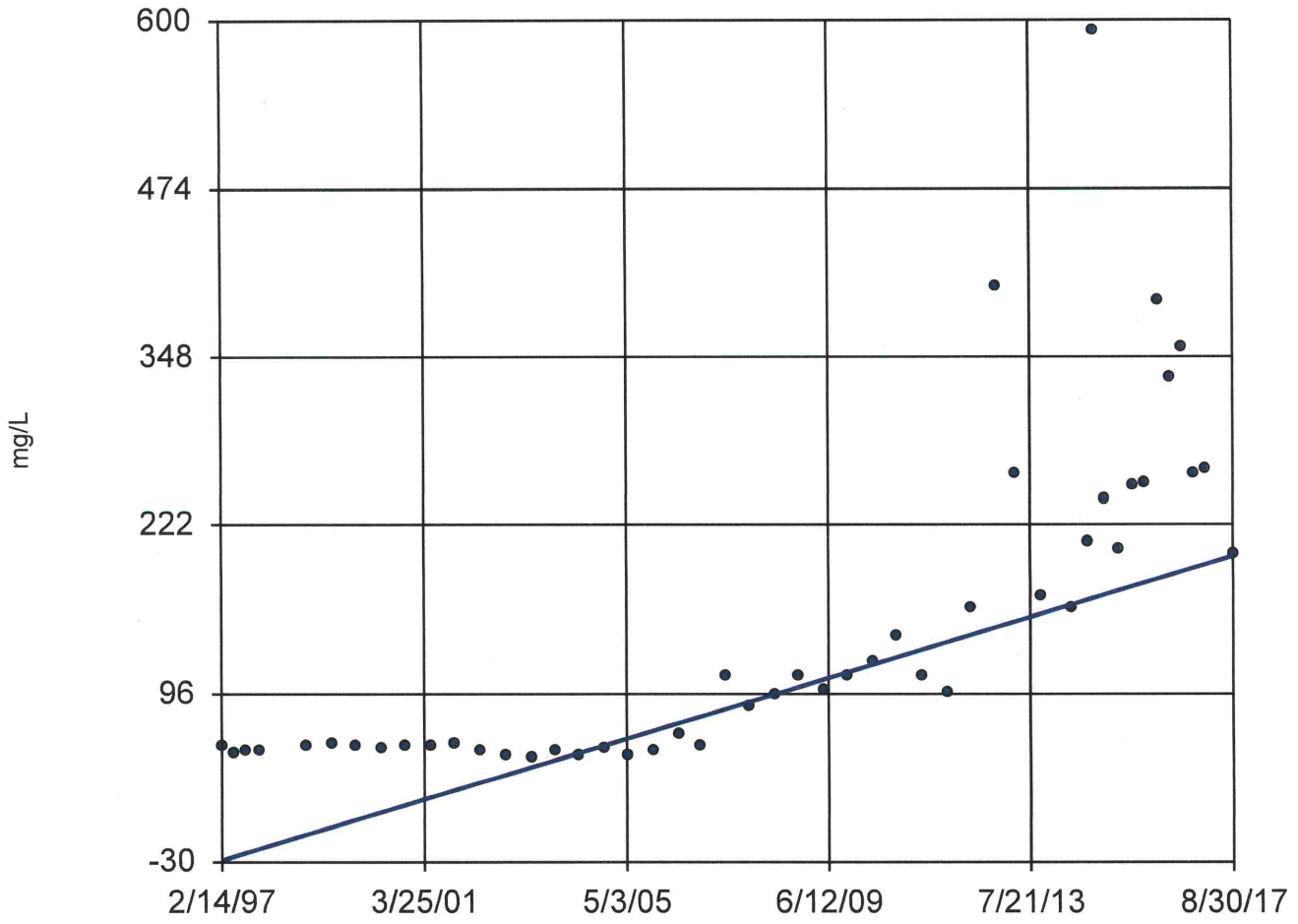
Constituent: Barium Total Analysis Run 9/27/2017 10:40 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SD



n = 48

Slope = 11.1 units per year.

Mann-Kendall normal approx. = 6.821
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

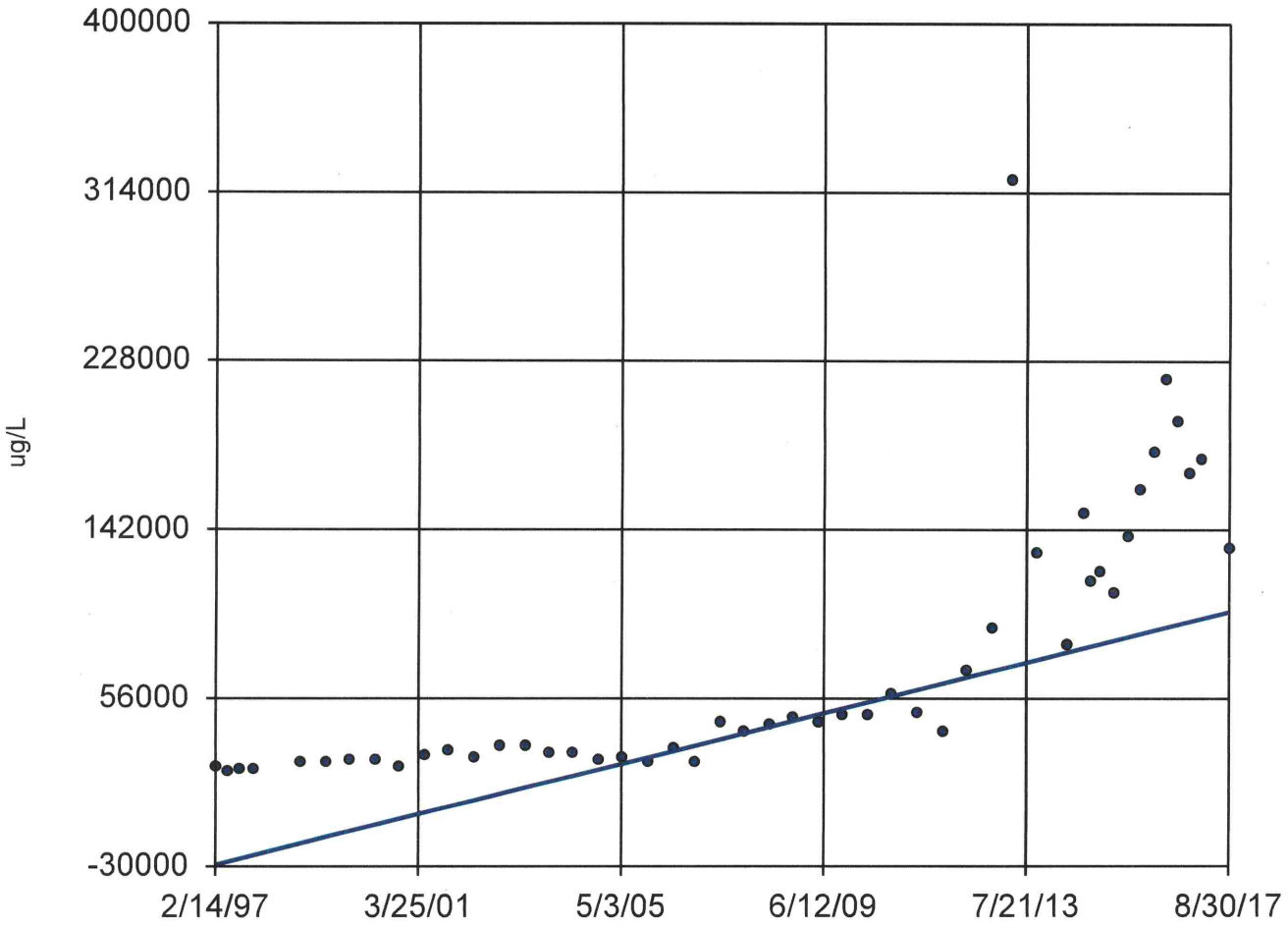
Constituent: Chloride Analysis Run 9/27/2017 10:40 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SD



n = 48

Slope = 6288 units per year.

Mann-Kendall normal approx. = 7.966
critical = 2.33

Increasing trend significant at 98% confidence level ($\alpha = 0.01$ per tail).

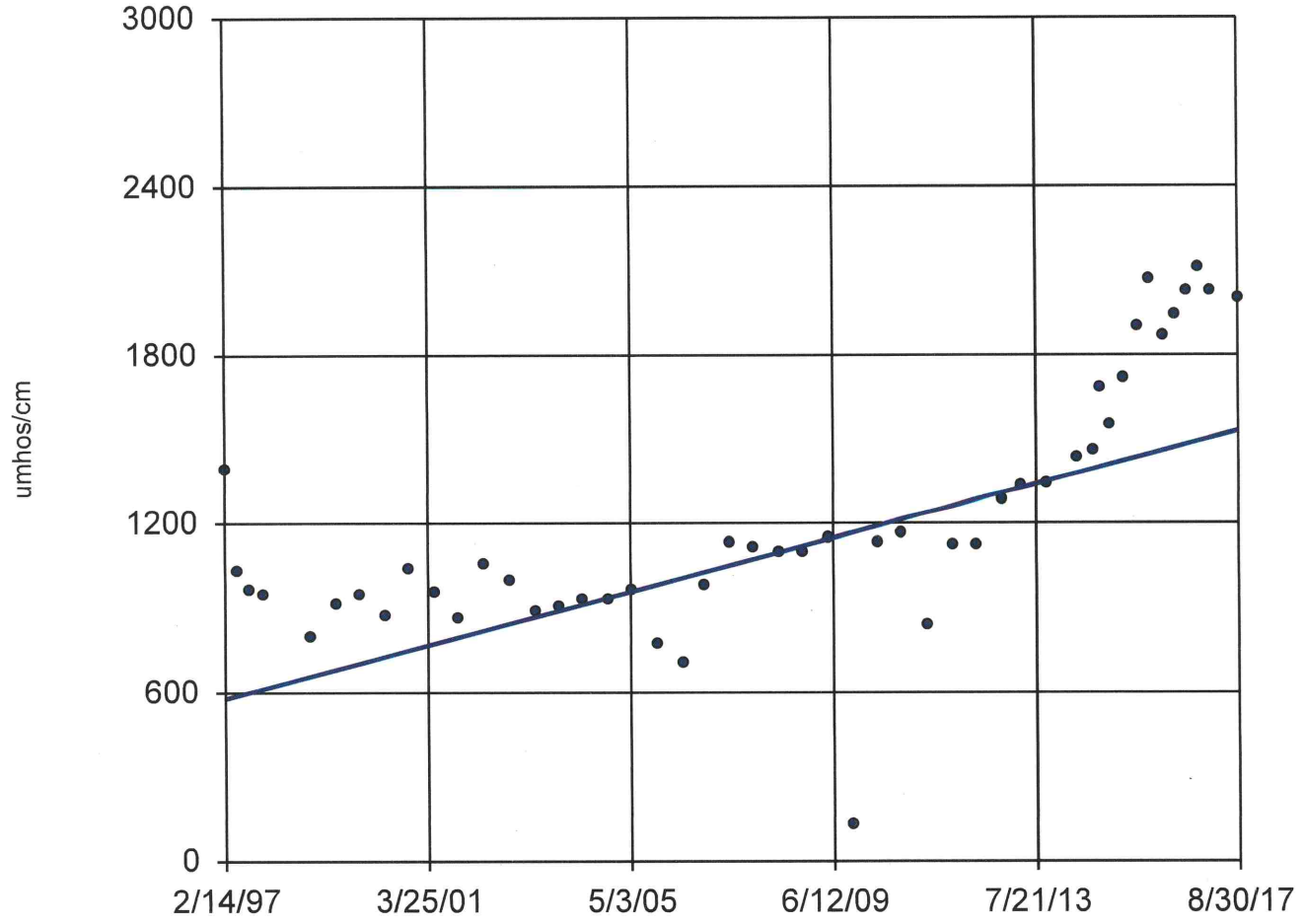
Constituent: Sodium Total Analysis Run 9/27/2017 10:40 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SD



n = 48

Slope = 46.23 units per year.

Mann-Kendall normal approx. = 6.142
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

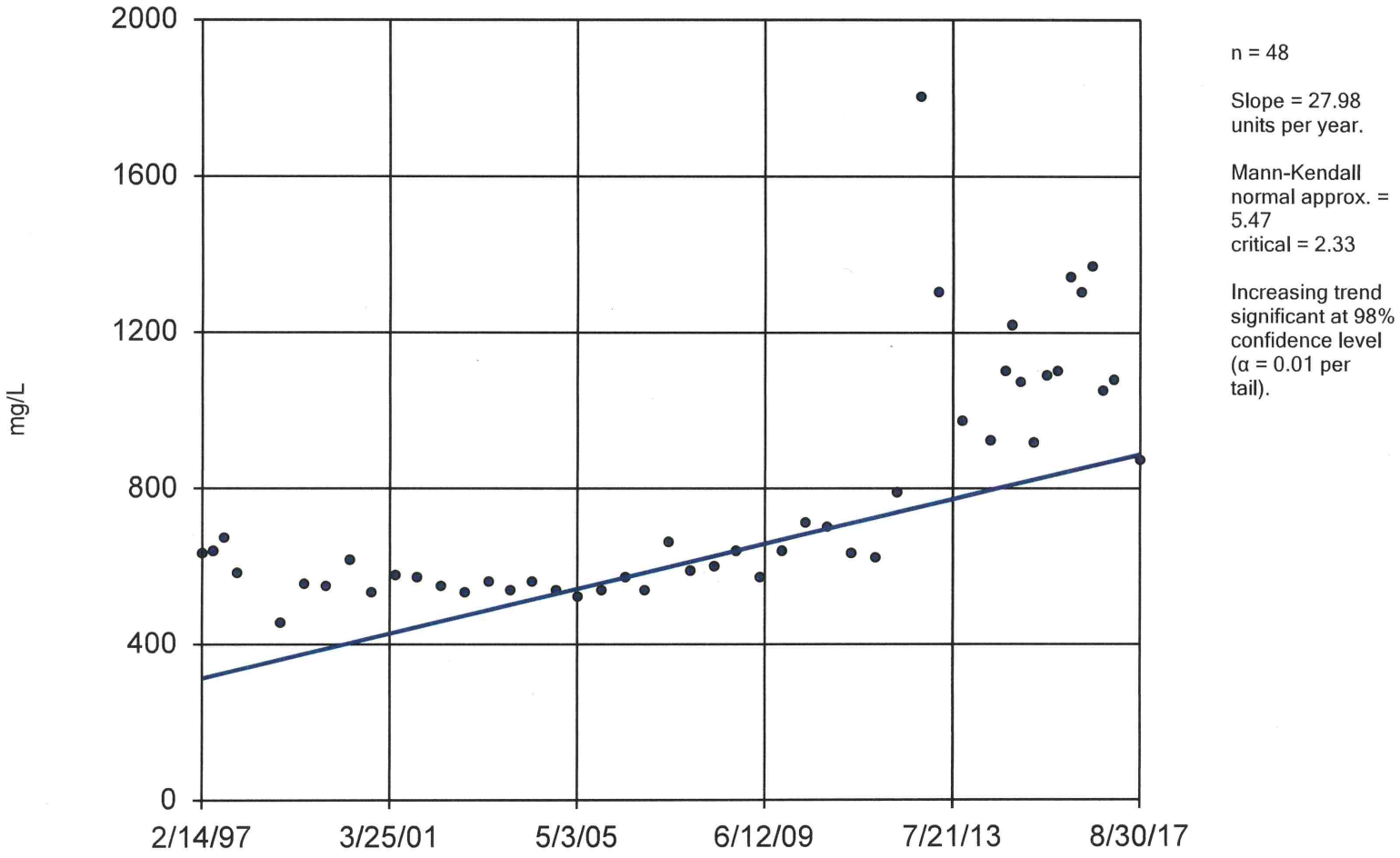
Constituent: Specific Conductance [Field] Analysis Run 9/27/2017 10:40 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

104-SD



n = 48

Slope = 27.98 units per year.

Mann-Kendall normal approx. = 5.47
critical = 2.33

Increasing trend significant at 98% confidence level ($\alpha = 0.01$ per tail).

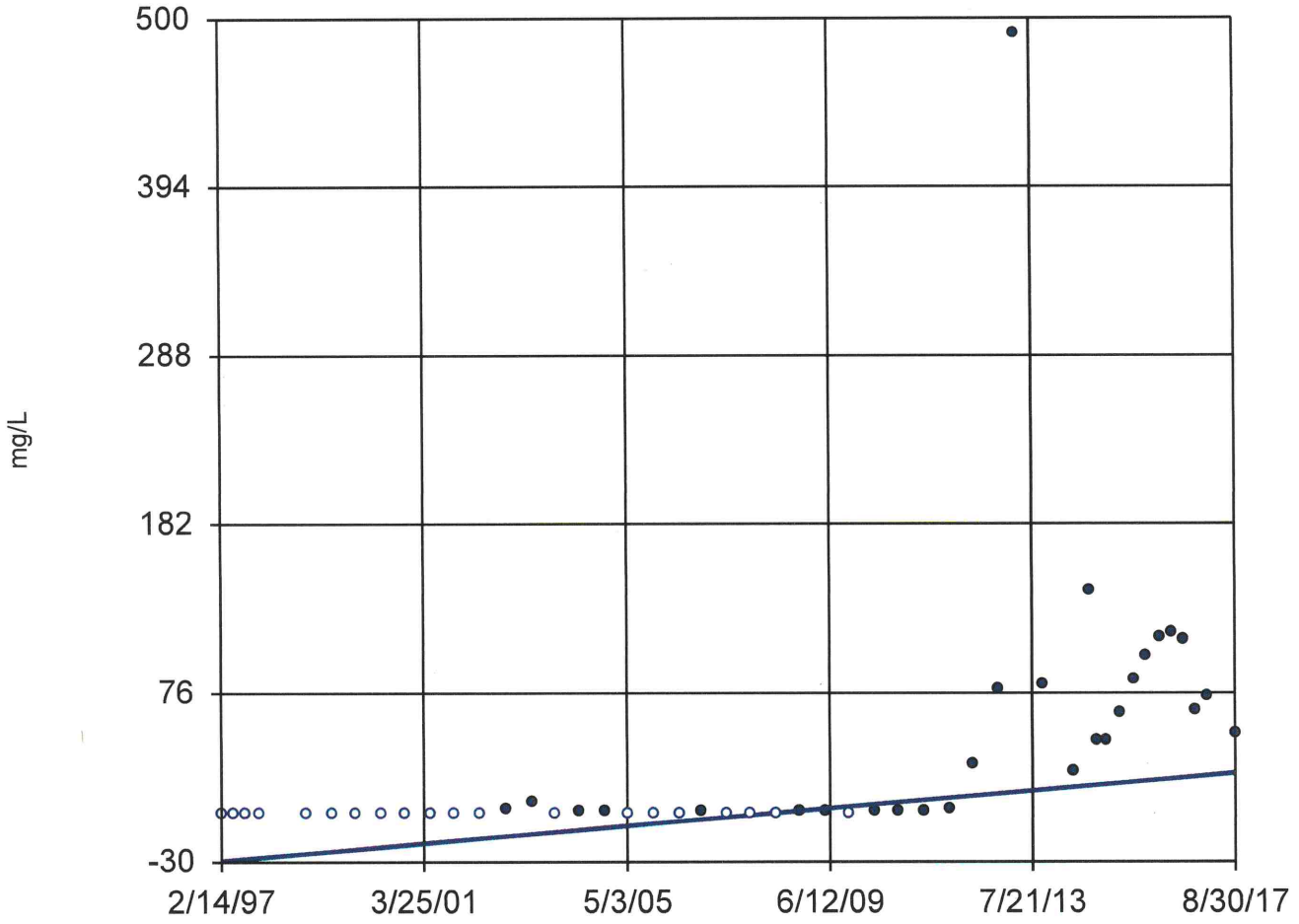
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 10:40 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SD



n = 48

Slope = 2.685 units per year.

Mann-Kendall normal approx. = 6.433
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

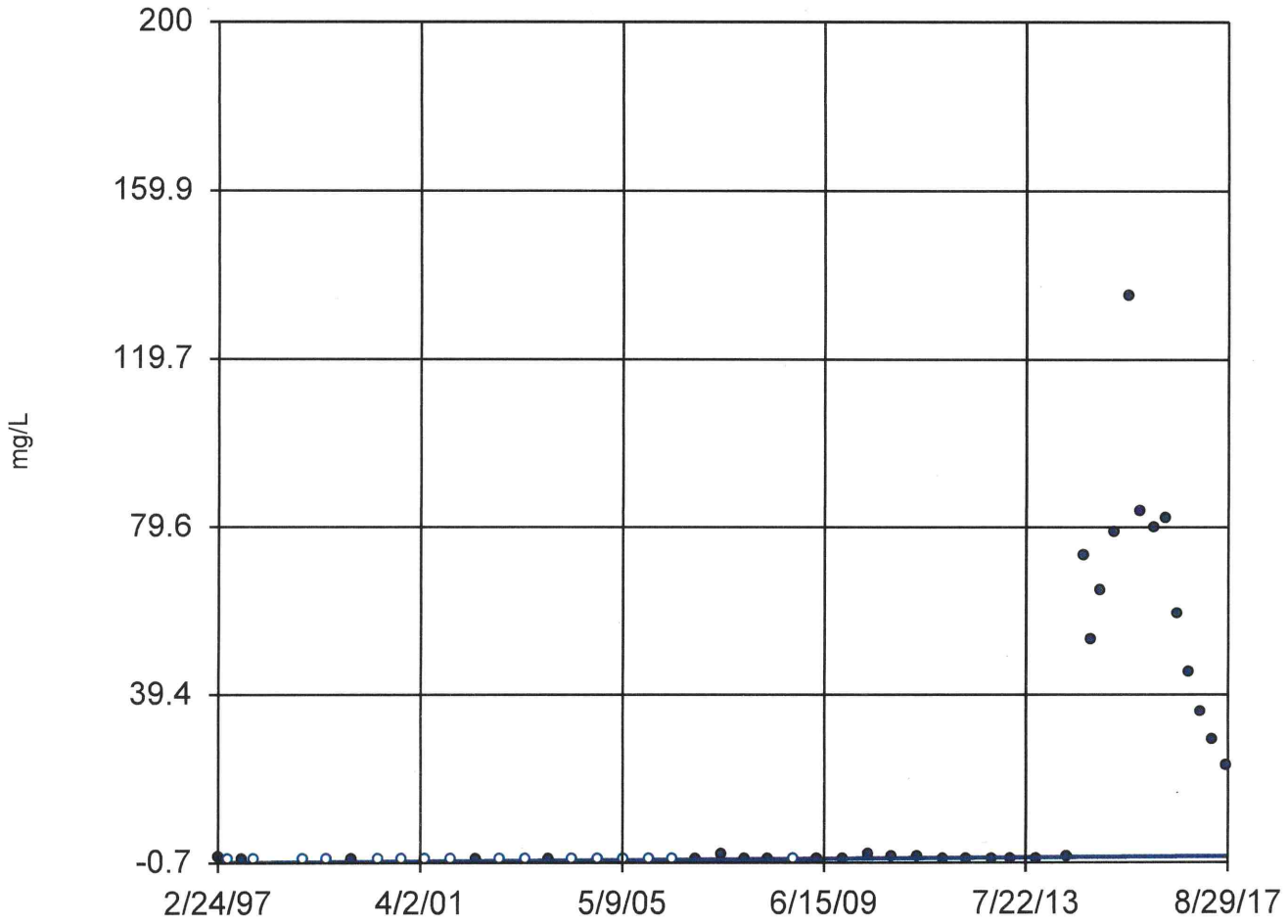
Constituent: Total Organic Carbon [TOC] Analysis Run 9/27/2017 10:40 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SD



n = 49

Slope = 0.07009 units per year.

Mann-Kendall normal approx. = 6.179
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

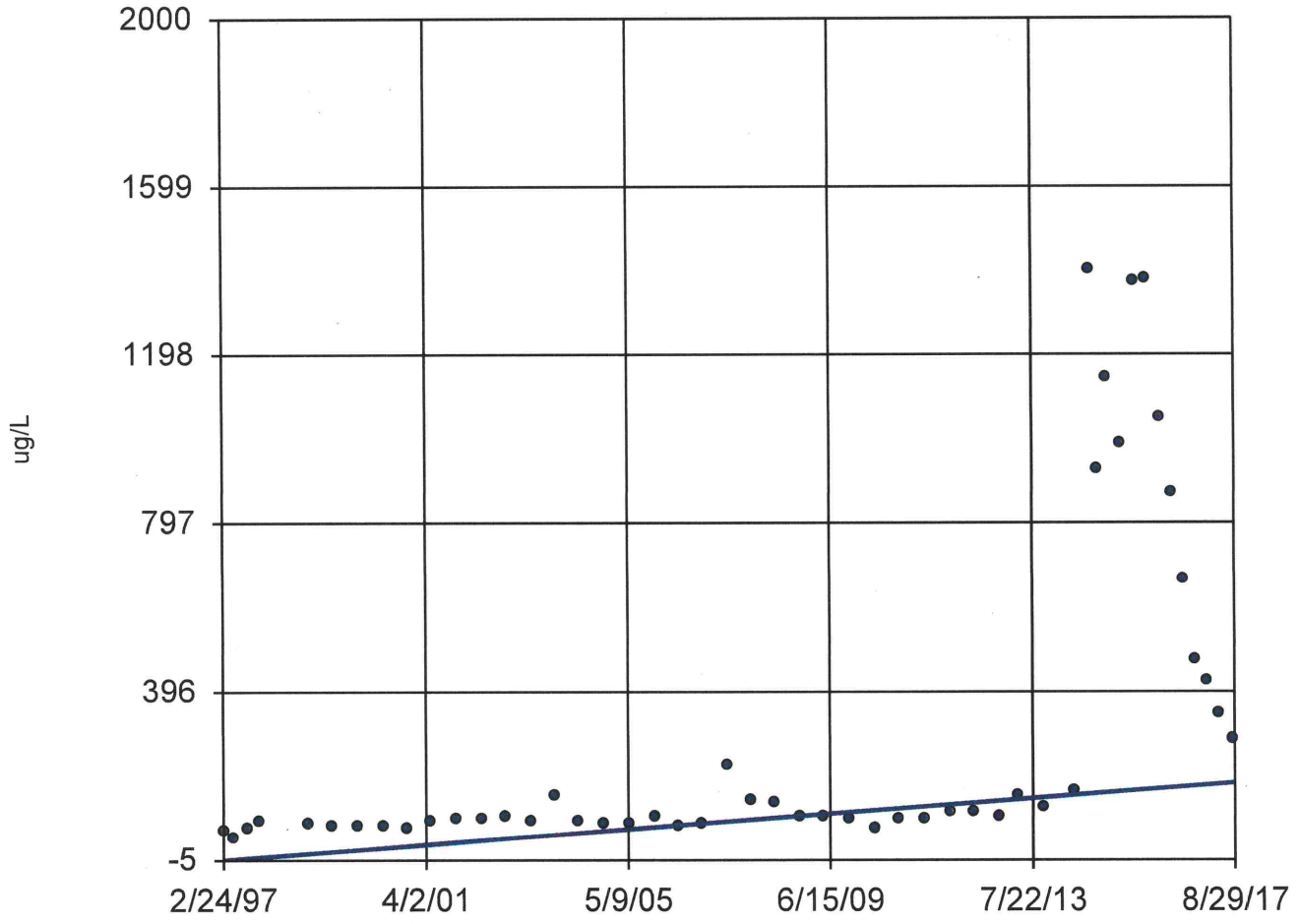
Constituent: Ammonia as N Analysis Run 9/27/2017 10:41 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SD



n = 49

Slope = 8.951 units per year.

Mann-Kendall normal approx. = 6.243
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

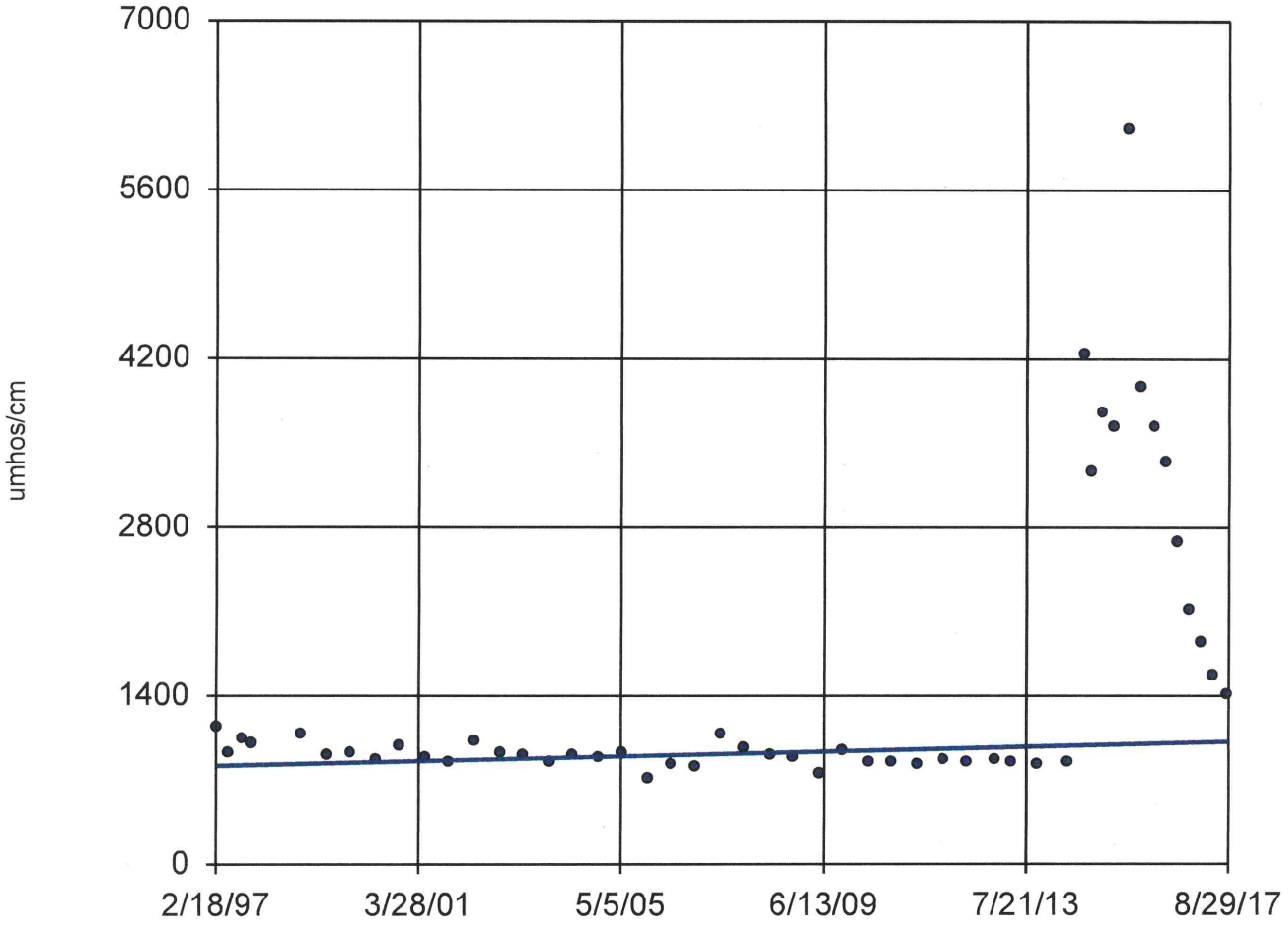
Constituent: Barium Total Analysis Run 9/27/2017 10:41 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SD



n = 49

Slope = 9.777 units per year.

Mann-Kendall normal approx. = 1.147
critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

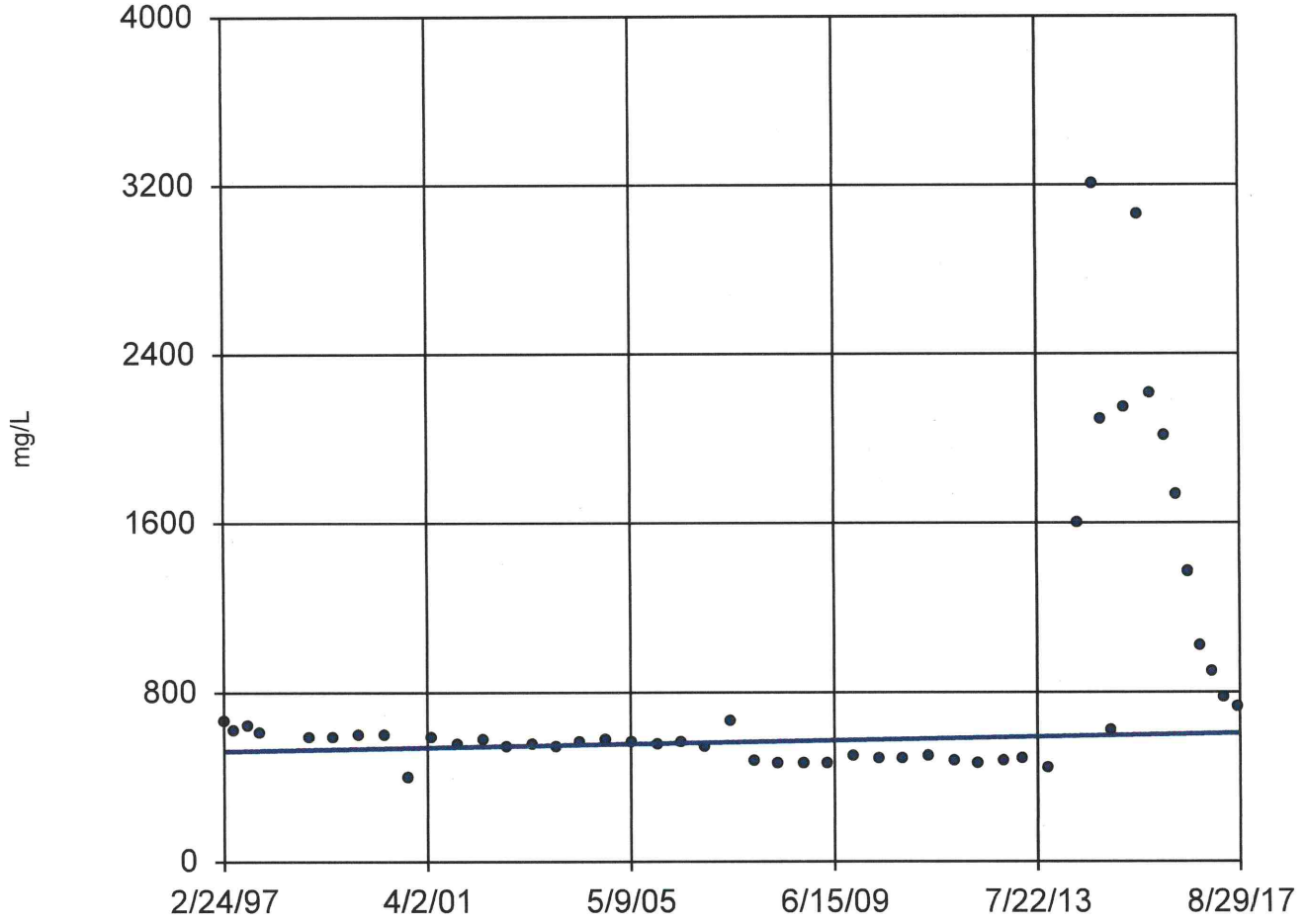
Constituent: Specific Conductance [Field] Analysis Run 9/27/2017 10:41 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

Sen's Slope Estimator

106-SD



n = 49

Slope = 4.202 units per year.

Mann-Kendall normal approx. = 0.6385
critical = 2.33

Trend not significant at 98% confidence level ($\alpha = 0.01$ per tail).

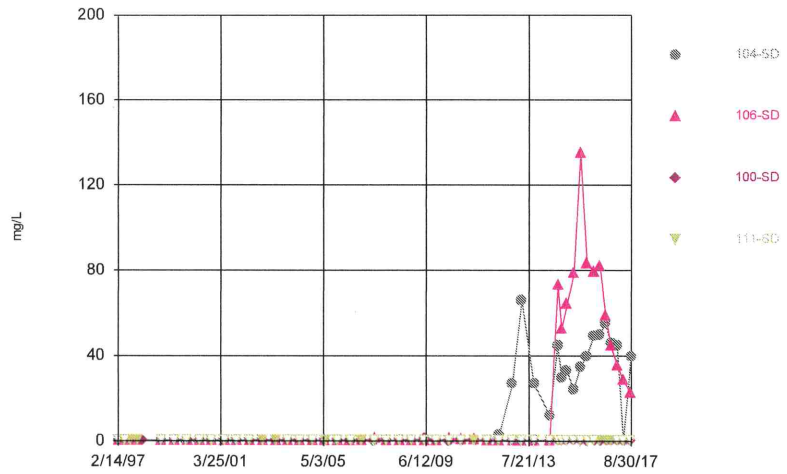
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 10:41 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

TIME SERIES GRAPHS

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

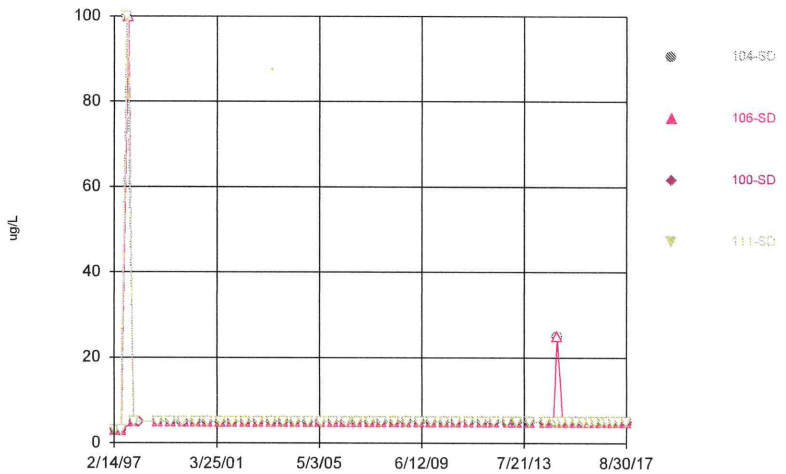
Time Series



Constituent: Ammonia as N Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

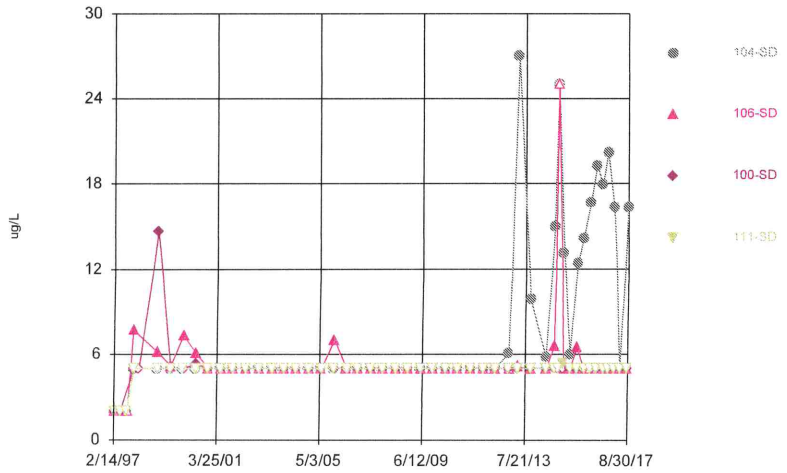
Time Series



Constituent: Antimony Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

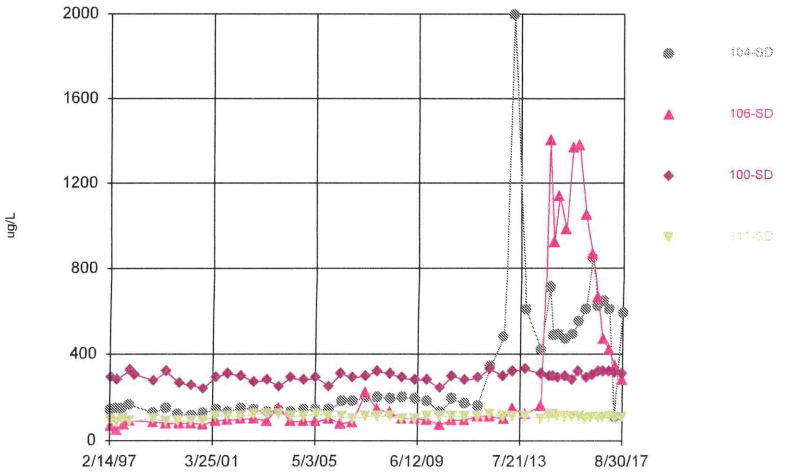
Time Series



Constituent: Arsenic Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

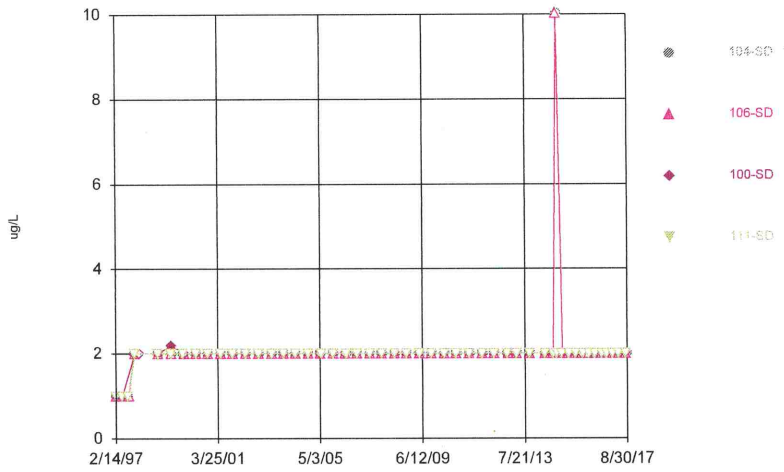
Time Series



Constituent: Barium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

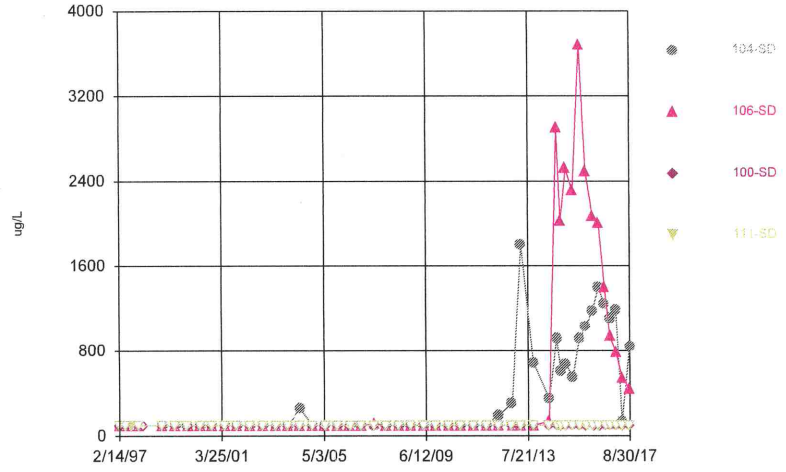
Time Series



Constituent: Beryllium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Boron Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

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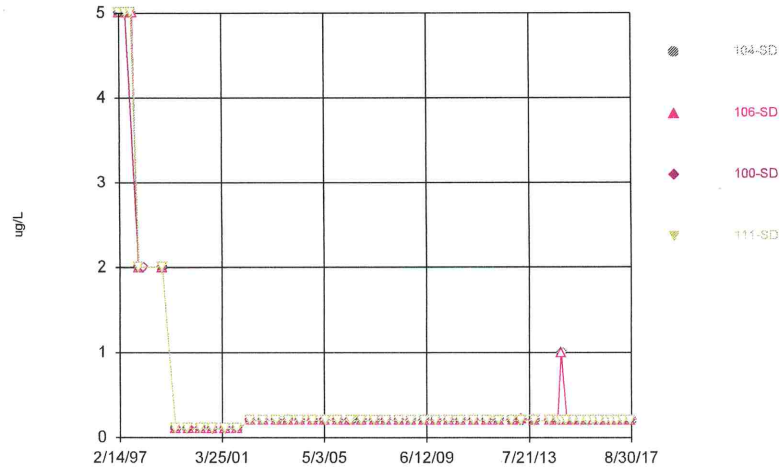
Hollow symbols indicate censored values.

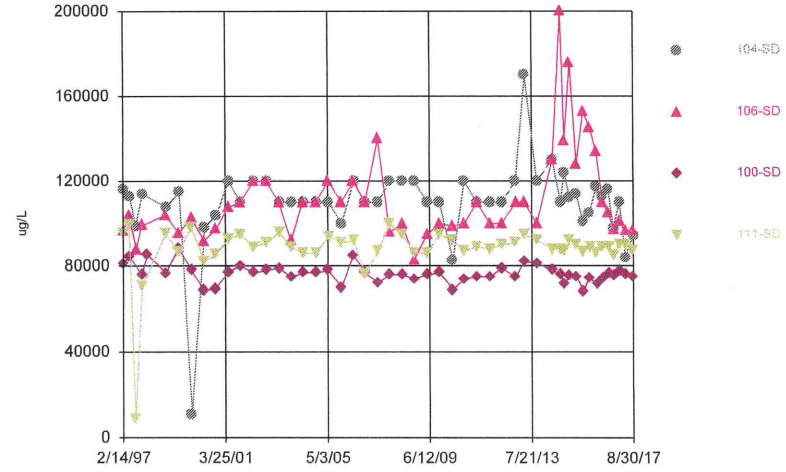
Time Series



Constituent: Cadmium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

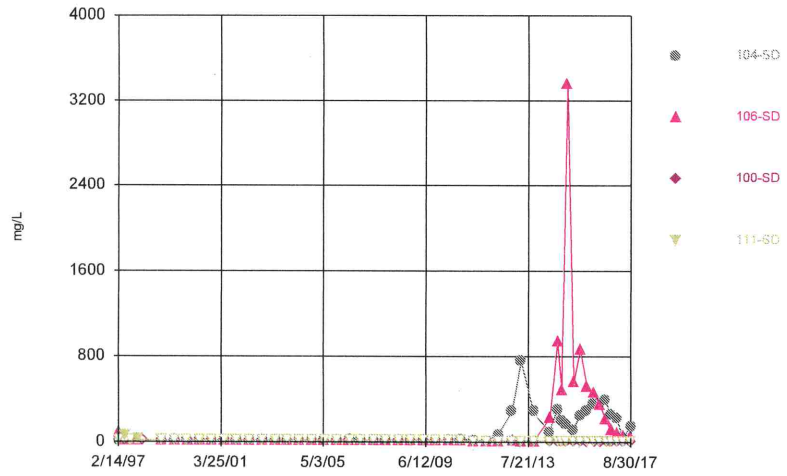
Time Series



Constituent: Calcium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

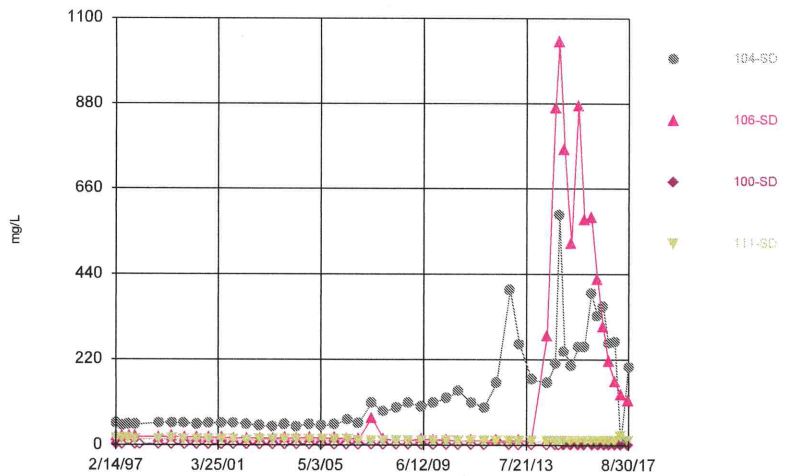
Time Series



Constituent: Chemical Oxygen Demand [COD] Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

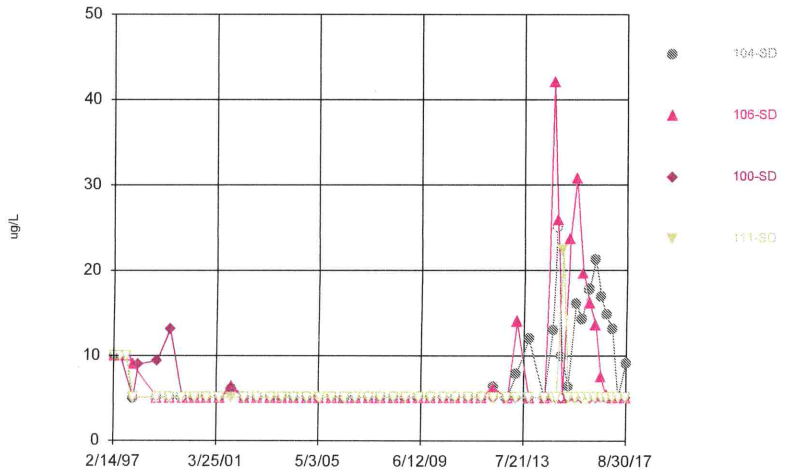
Time Series



Constituent: Chloride Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

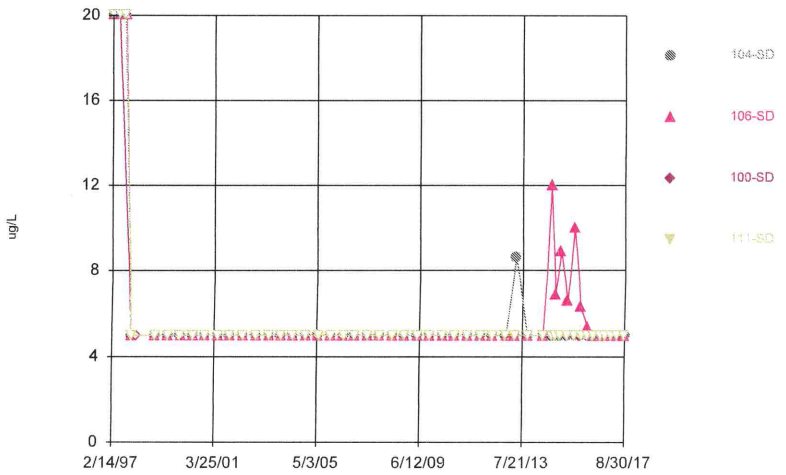
Time Series



Constituent: Chromium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

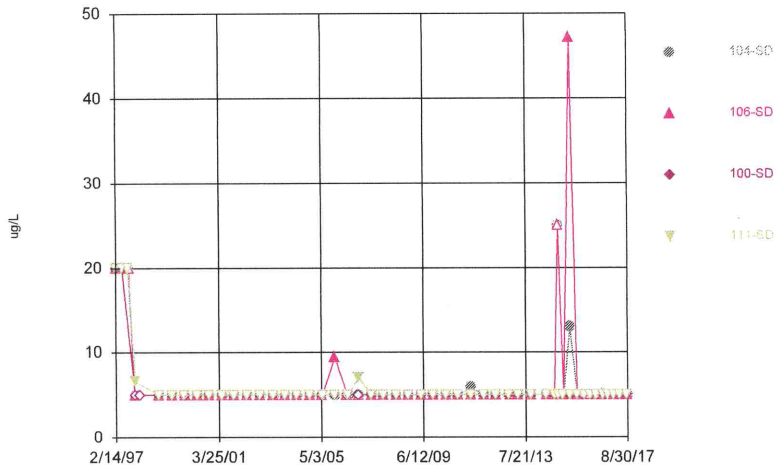
Time Series



Constituent: Cobalt Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

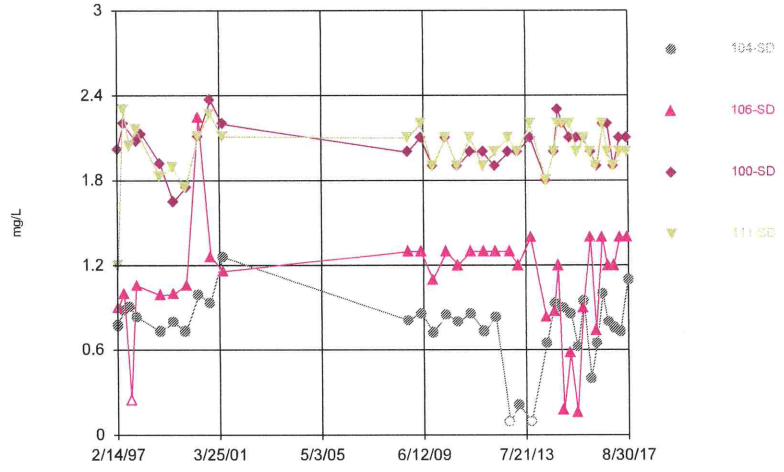
Time Series



Constituent: Copper Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

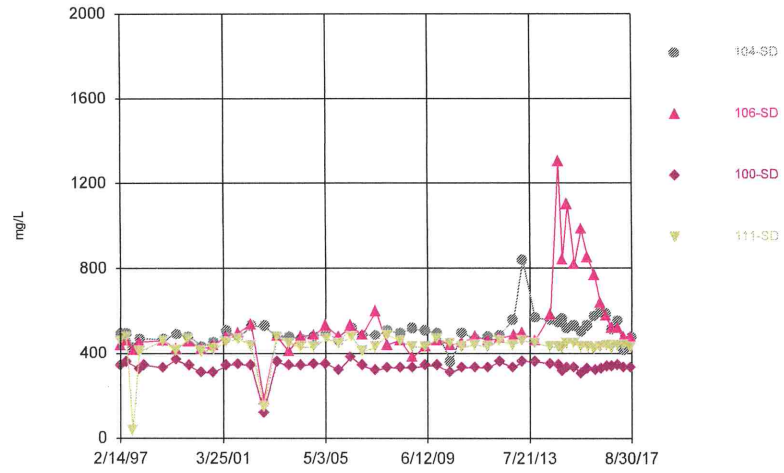
Time Series



Constituent: Fluoride Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

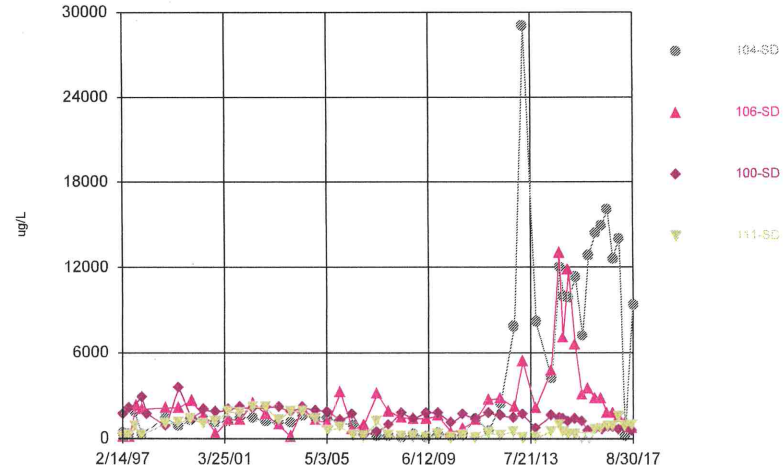
Time Series



Constituent: Hardness Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

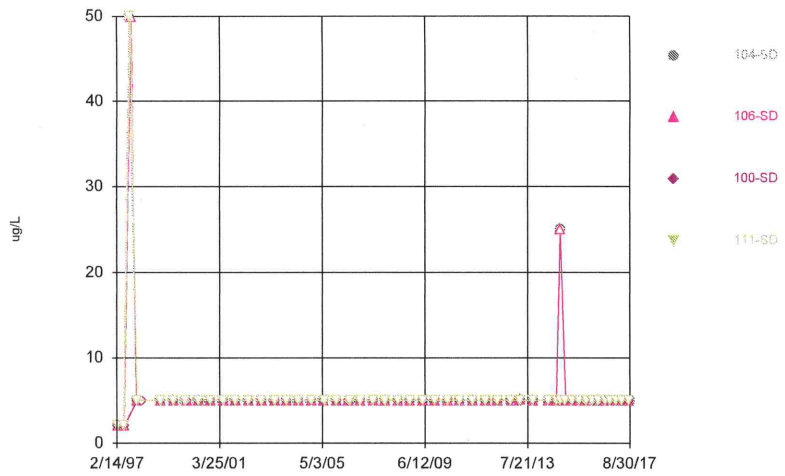
Time Series



Constituent: Iron Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

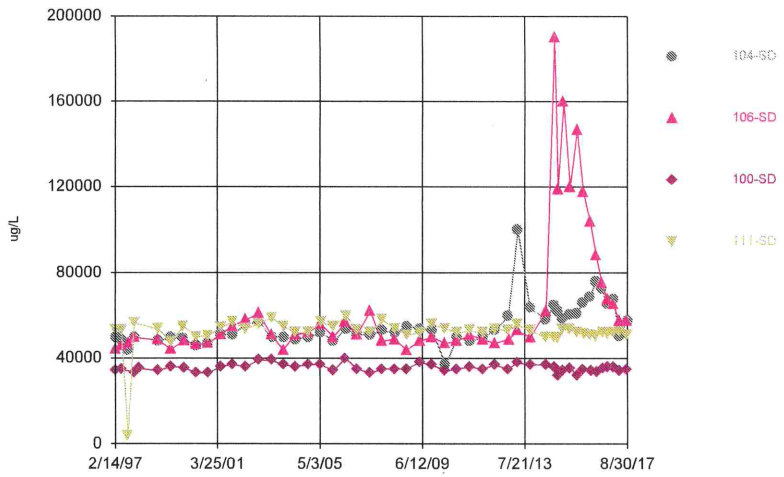
Time Series



Constituent: Lead Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

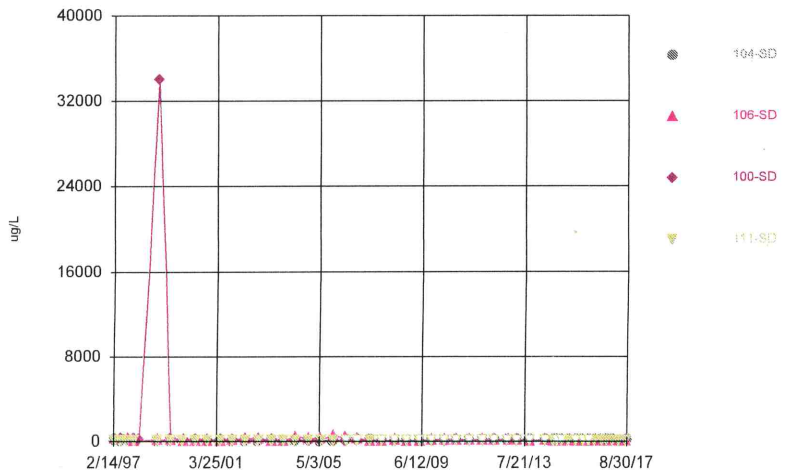
Time Series



Constituent: Magnesium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

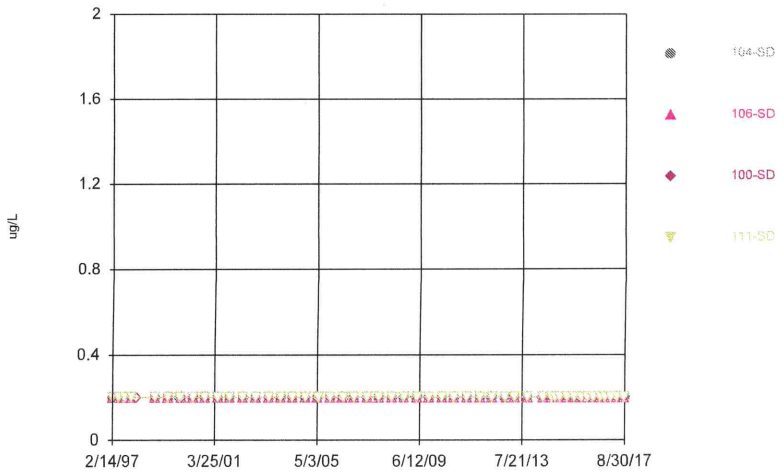
Time Series



Constituent: Manganese Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

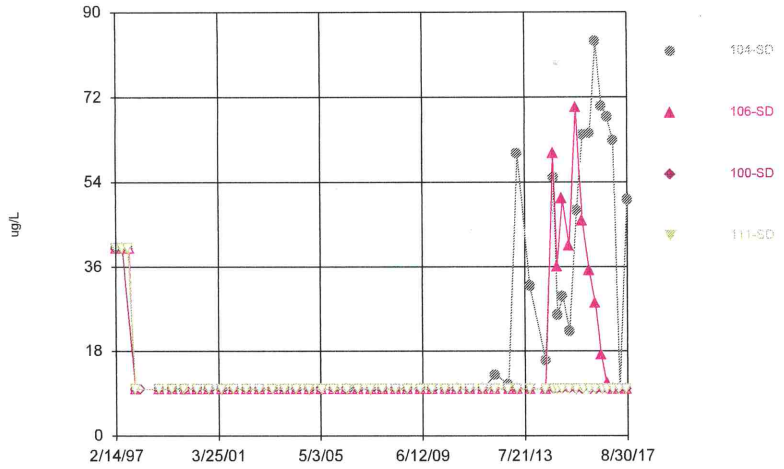
Time Series



Constituent: Mercury Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

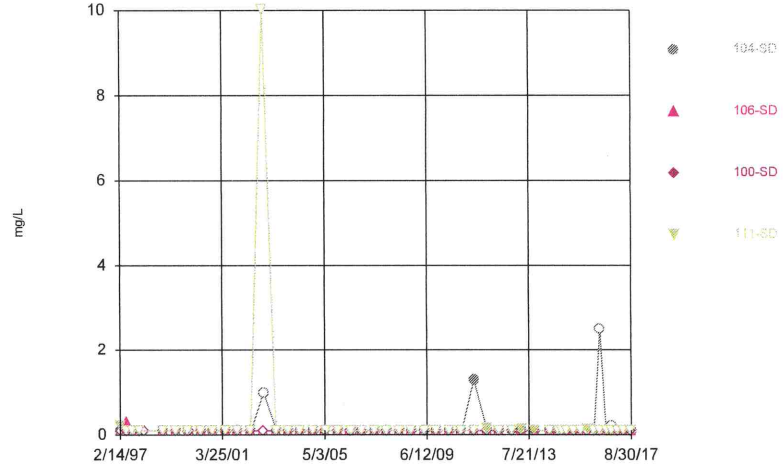
Time Series



Constituent: Nickel Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

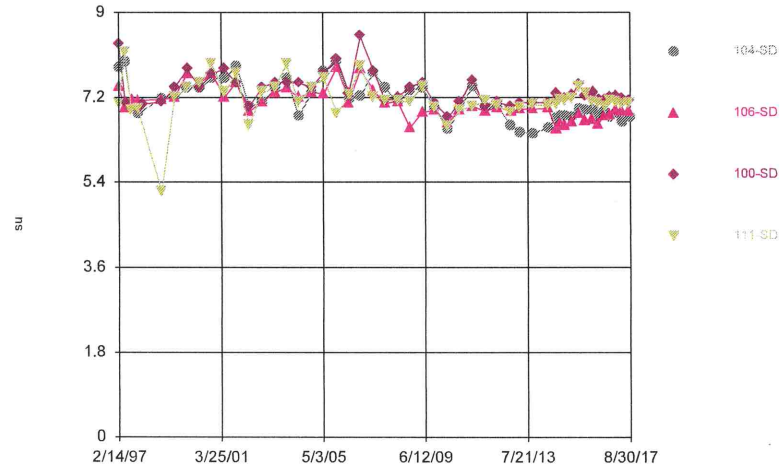
Time Series



Constituent: Nitrate/Nitrite Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

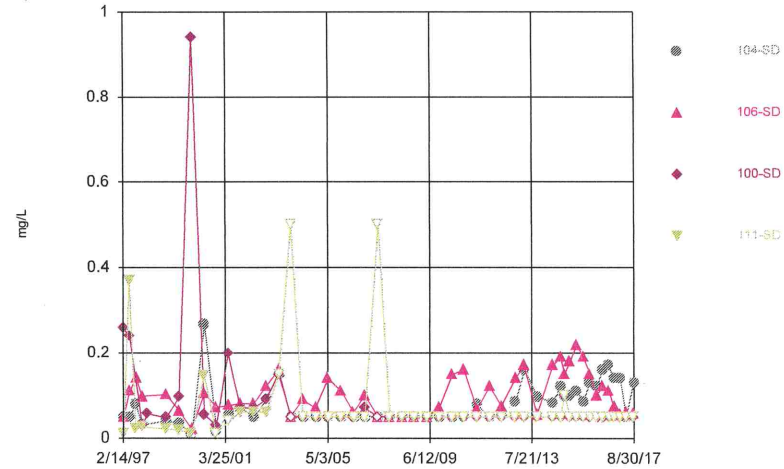
Time Series



Constituent: pH [Field] Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

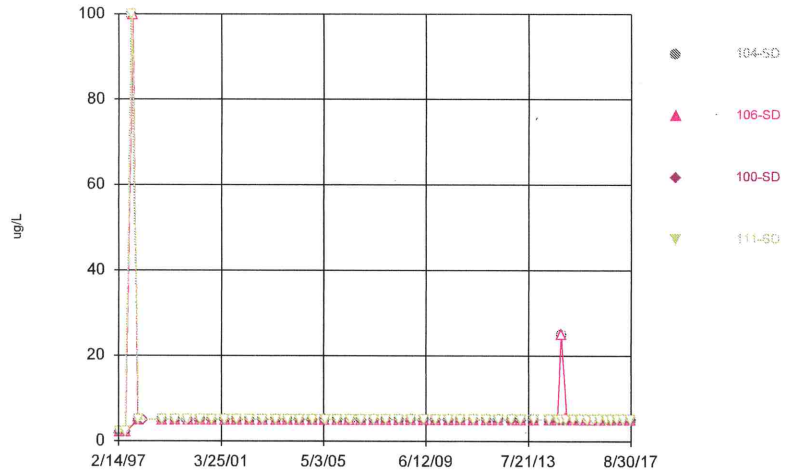
Time Series



Constituent: Phosphorus Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

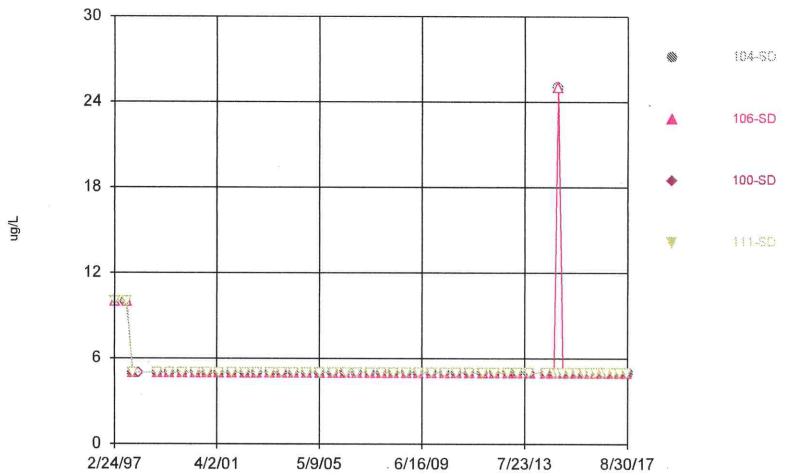
Time Series



Constituent: Selenium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

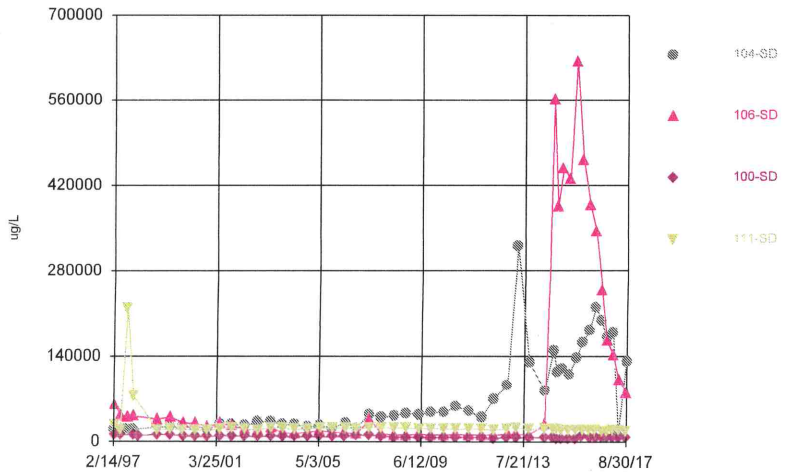
Time Series



Constituent: Silver Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

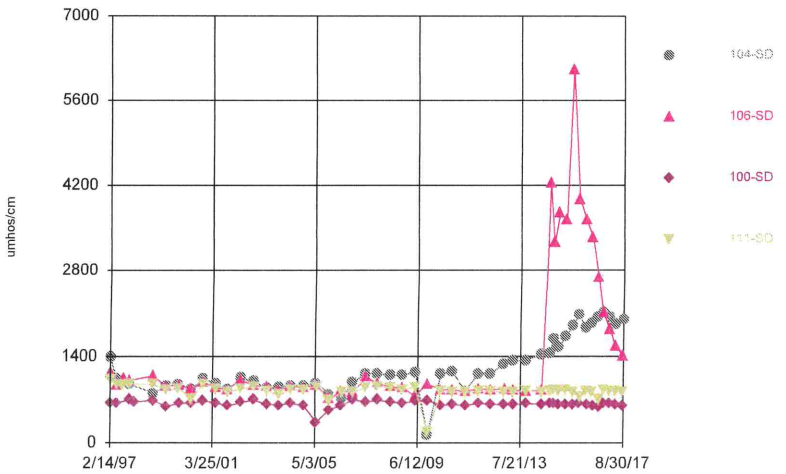
Time Series



Constituent: Sodium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

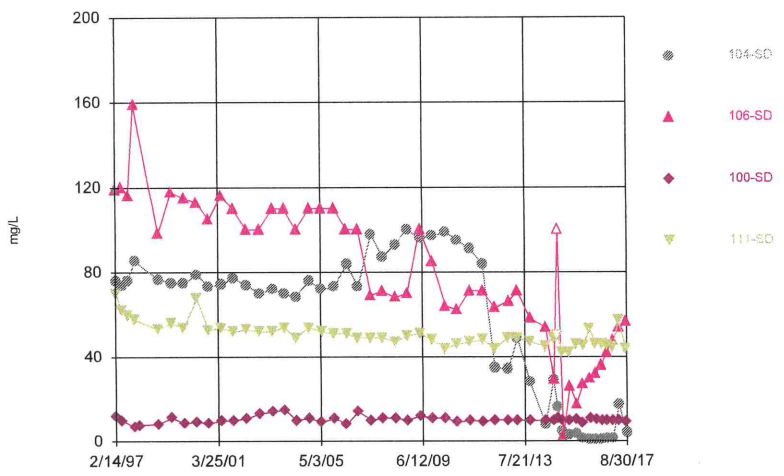
Time Series



Constituent: Specific Conductance [Field] Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

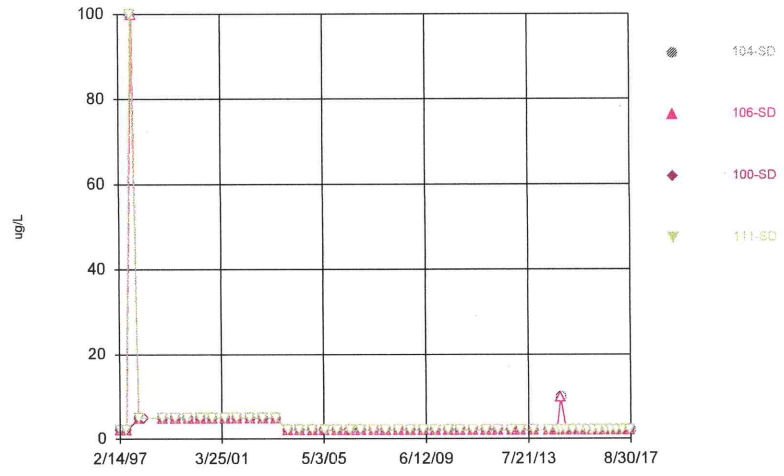
Time Series



Constituent: Sulfate Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

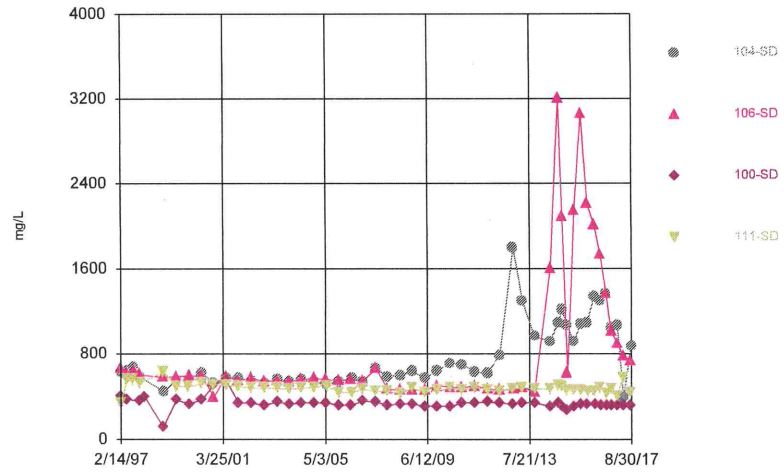
Time Series



Constituent: Thallium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG

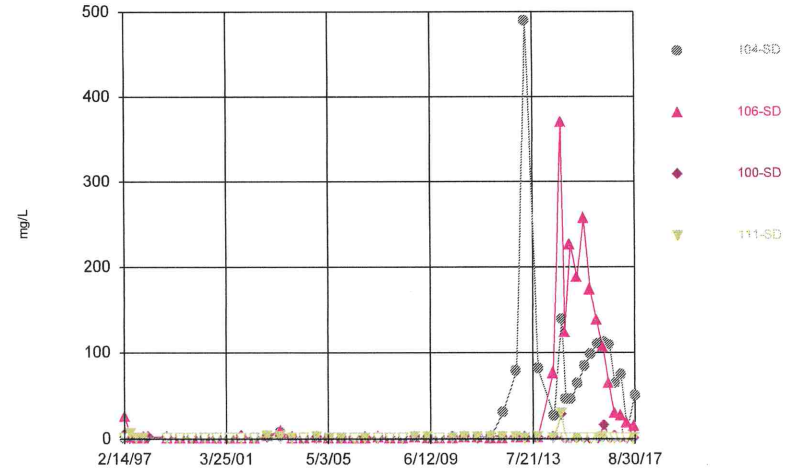
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

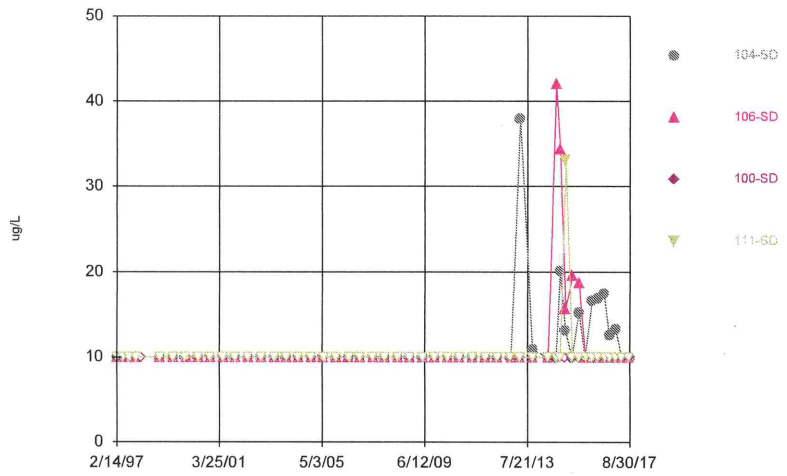
Time Series



Constituent: Total Organic Carbon [TOC] Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

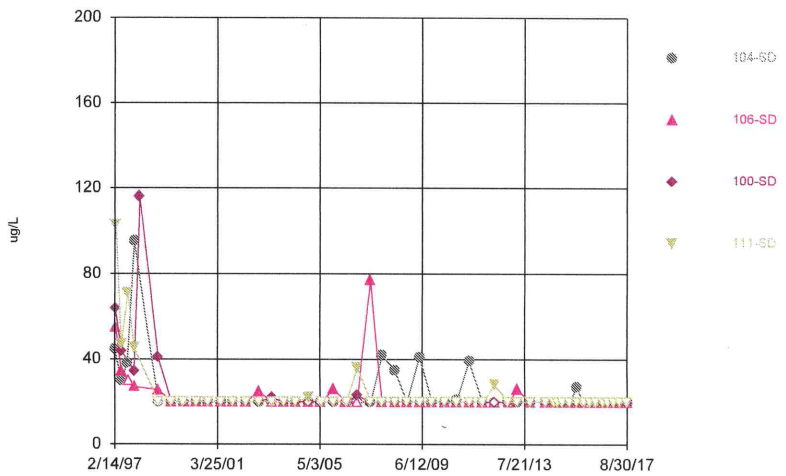
Time Series



Constituent: Vanadium Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

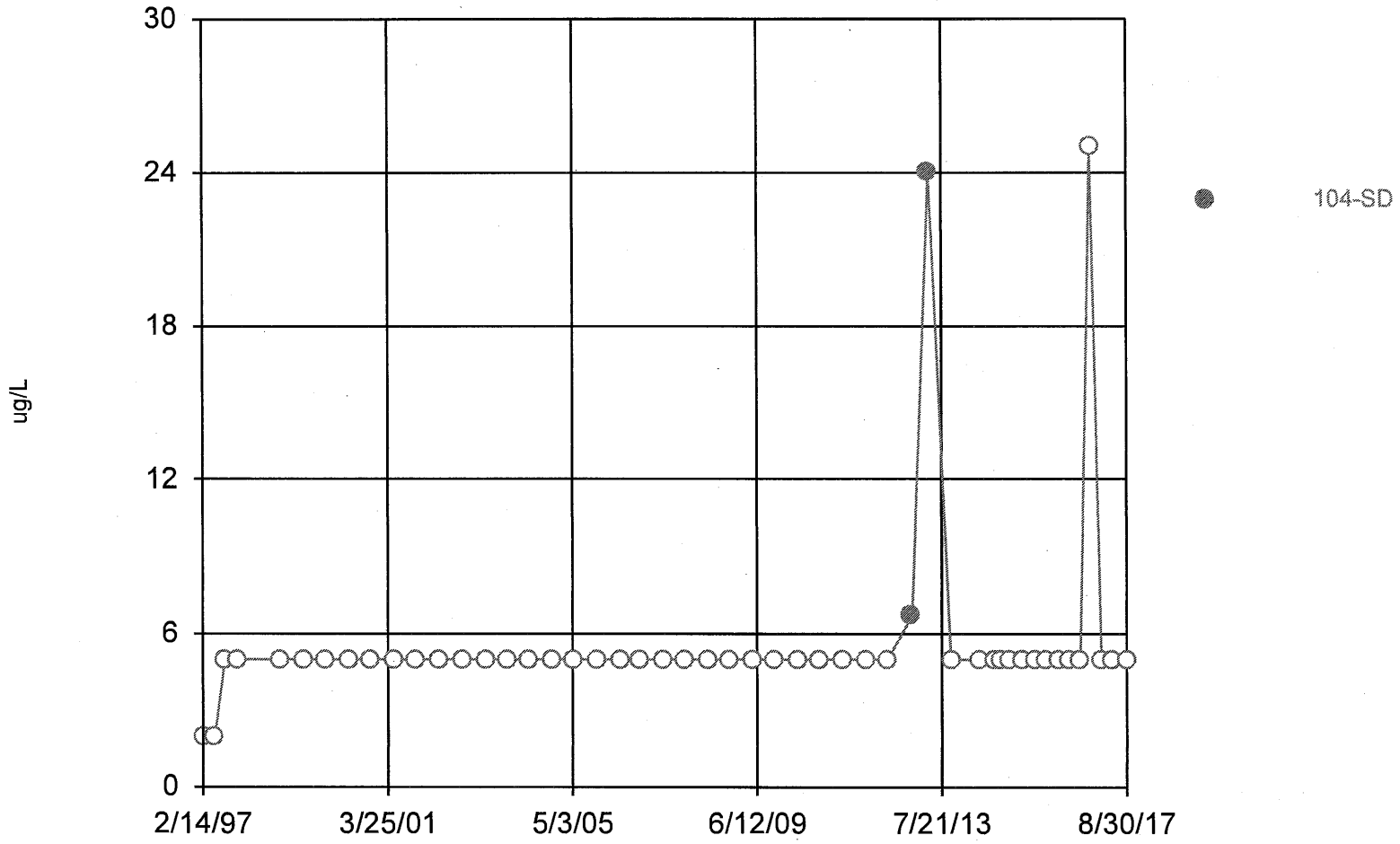
Time Series



Constituent: Zinc Total Analysis Run 9/27/2017 10:31 AM
Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

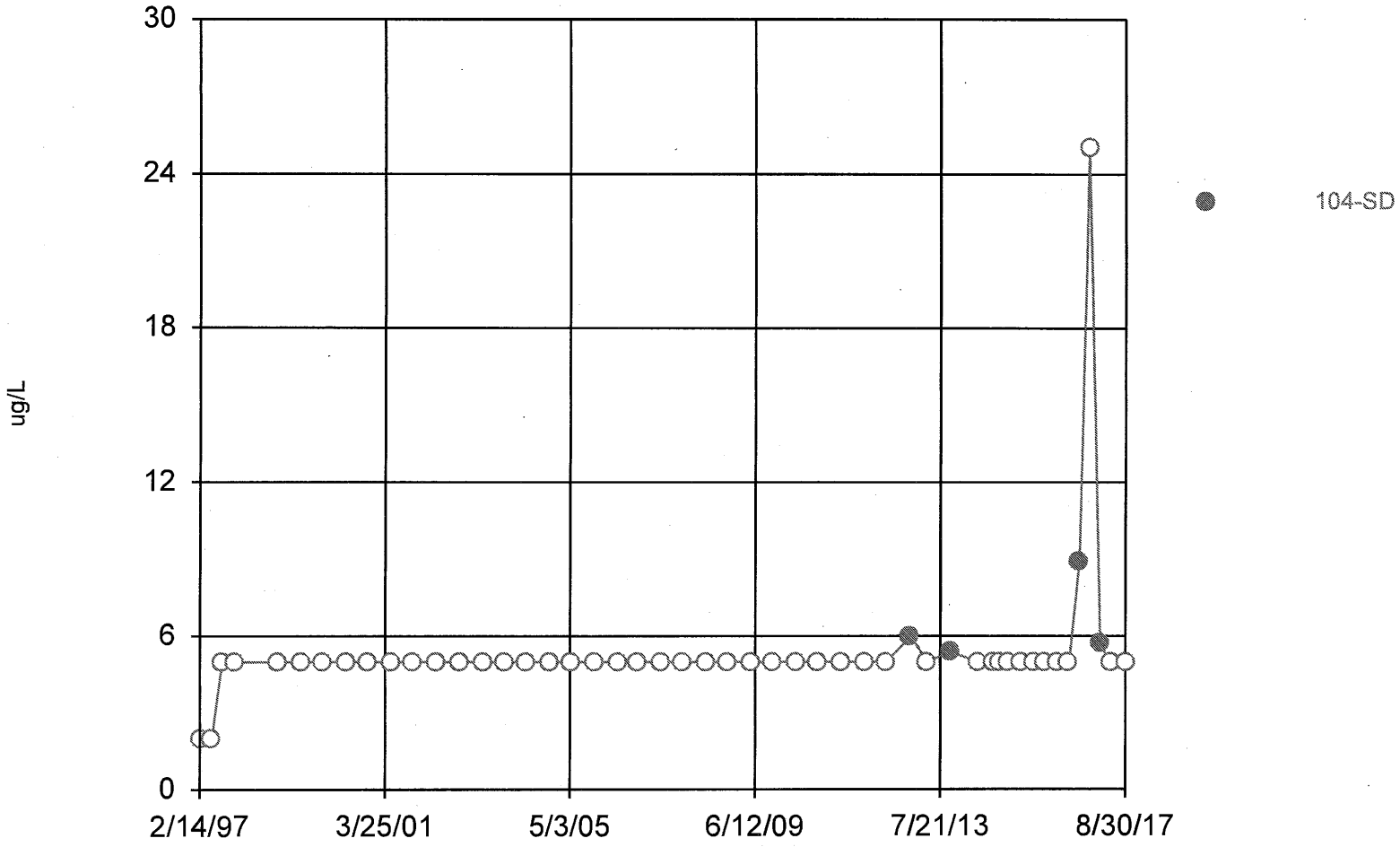


Constituent: 12-Dichloroethane Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

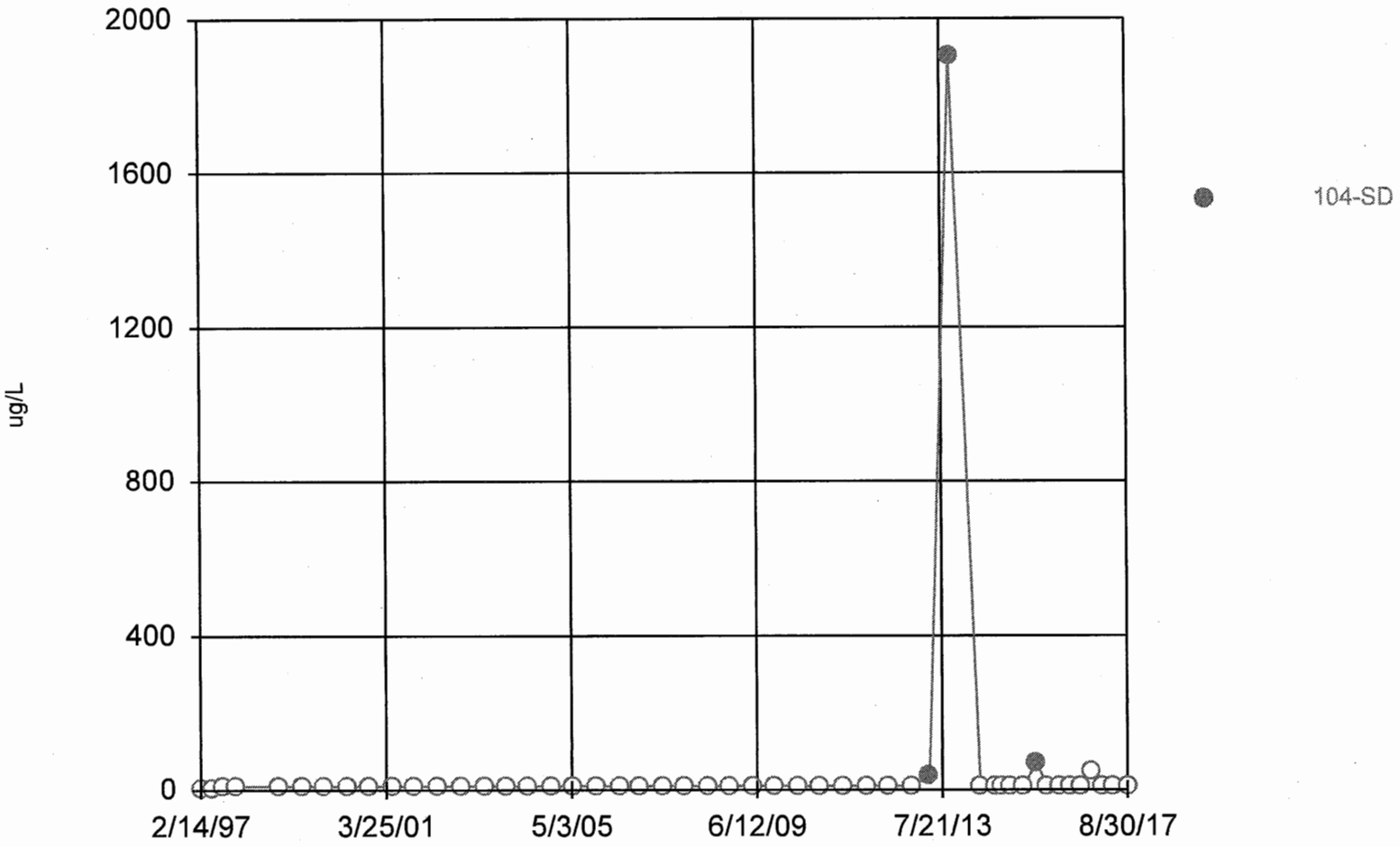


Constituent: 14-Dichlorobenzene Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

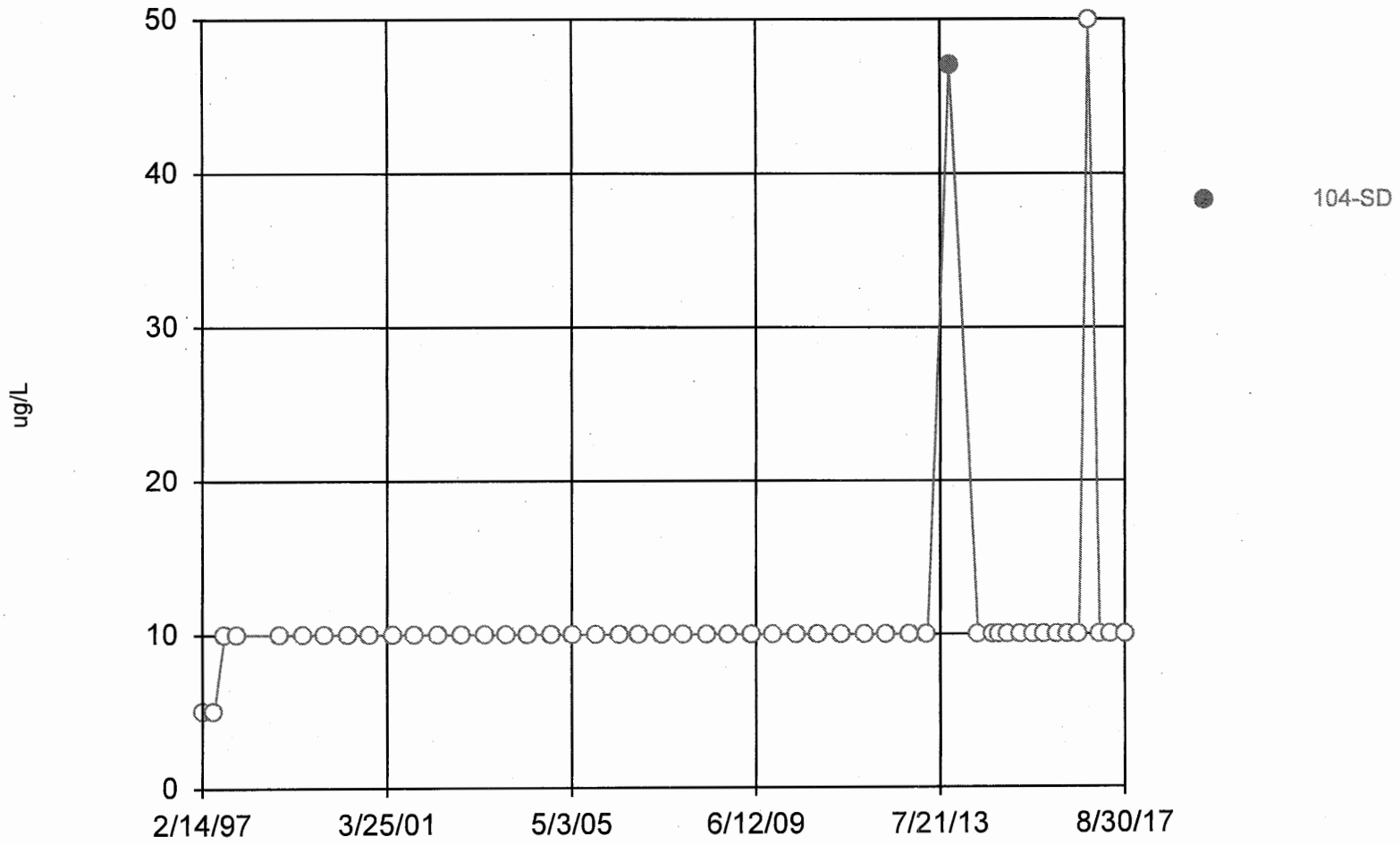


Constituent: 2-Butanone [MEK] Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

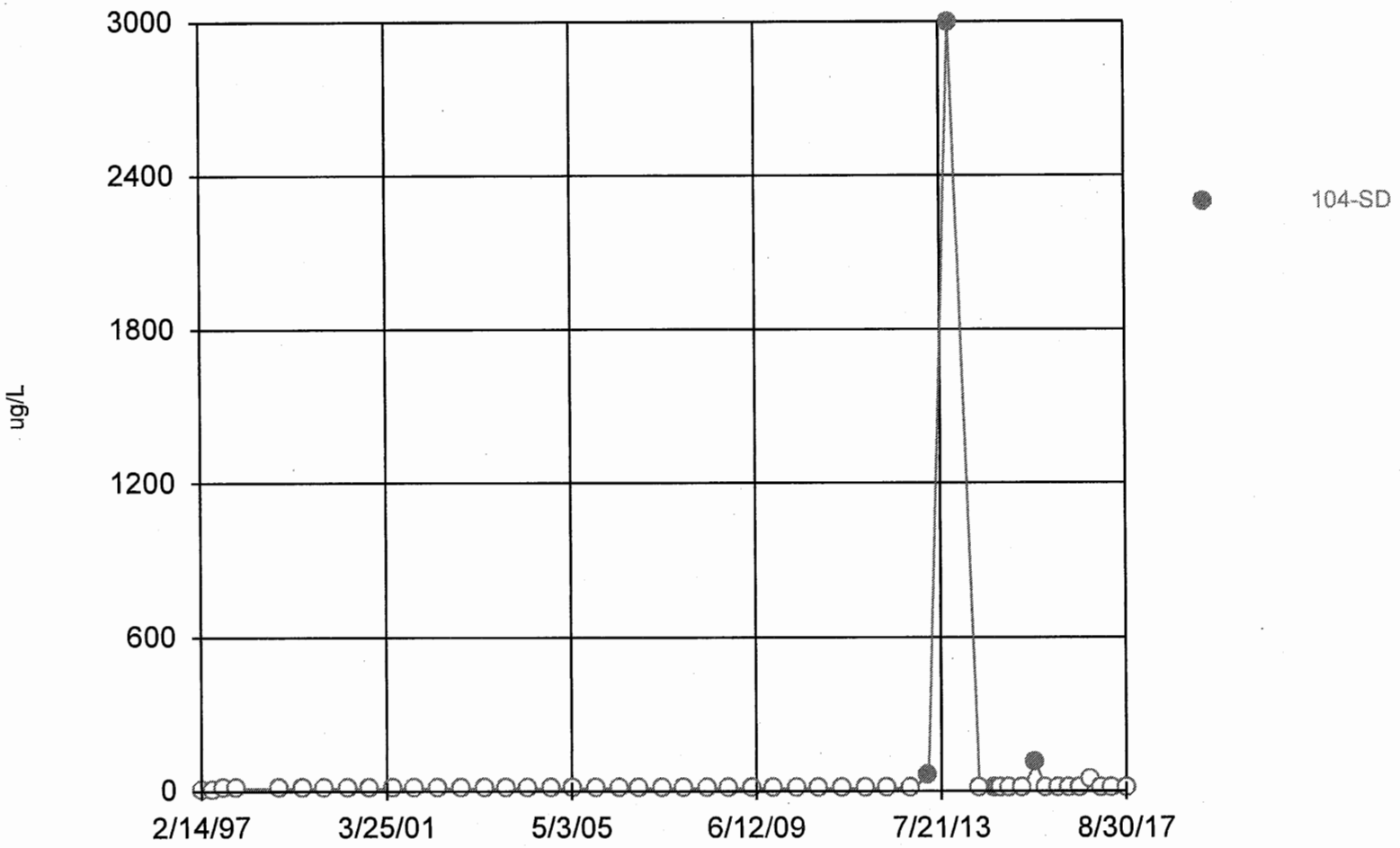


Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

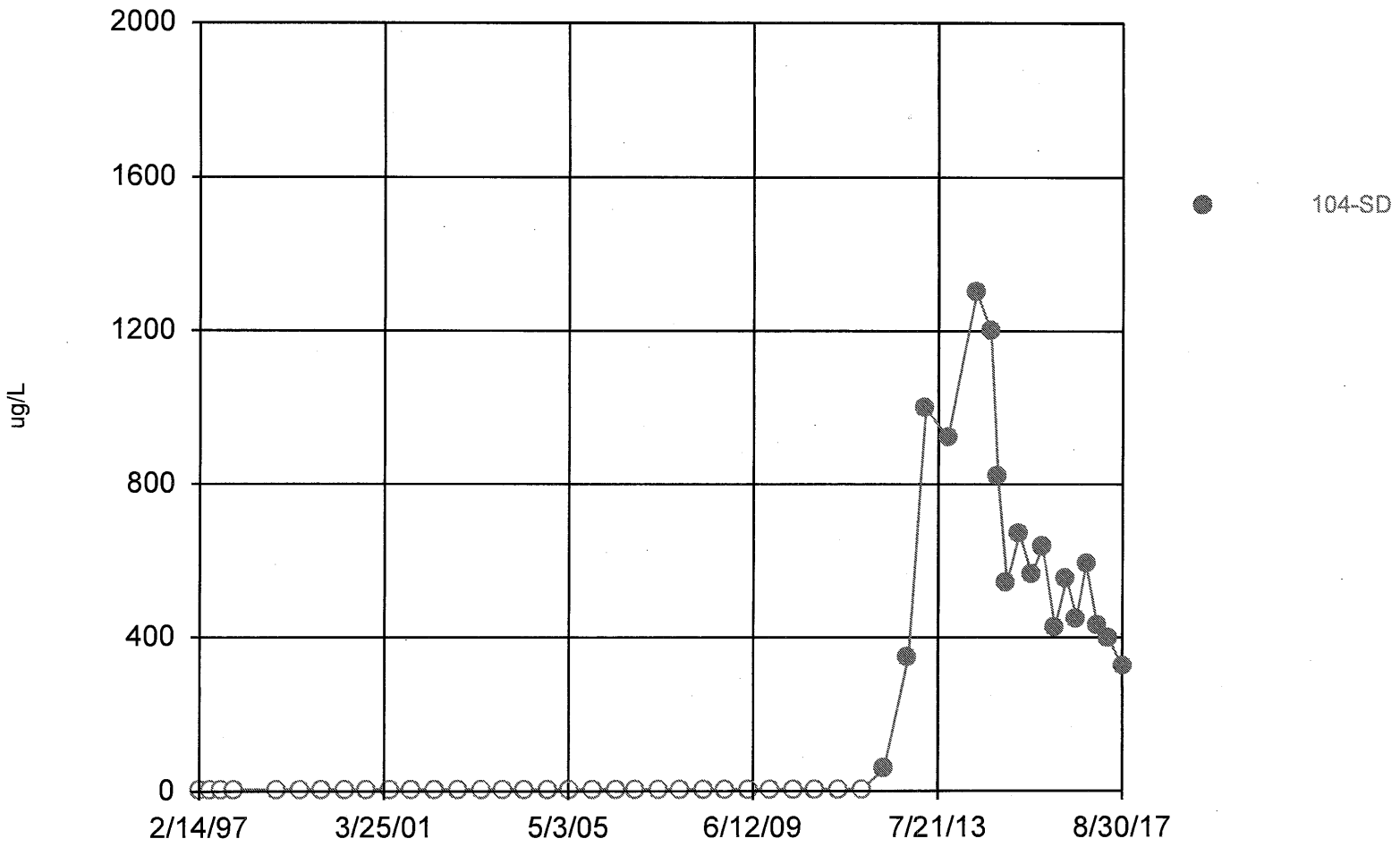


Constituent: Acetone Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

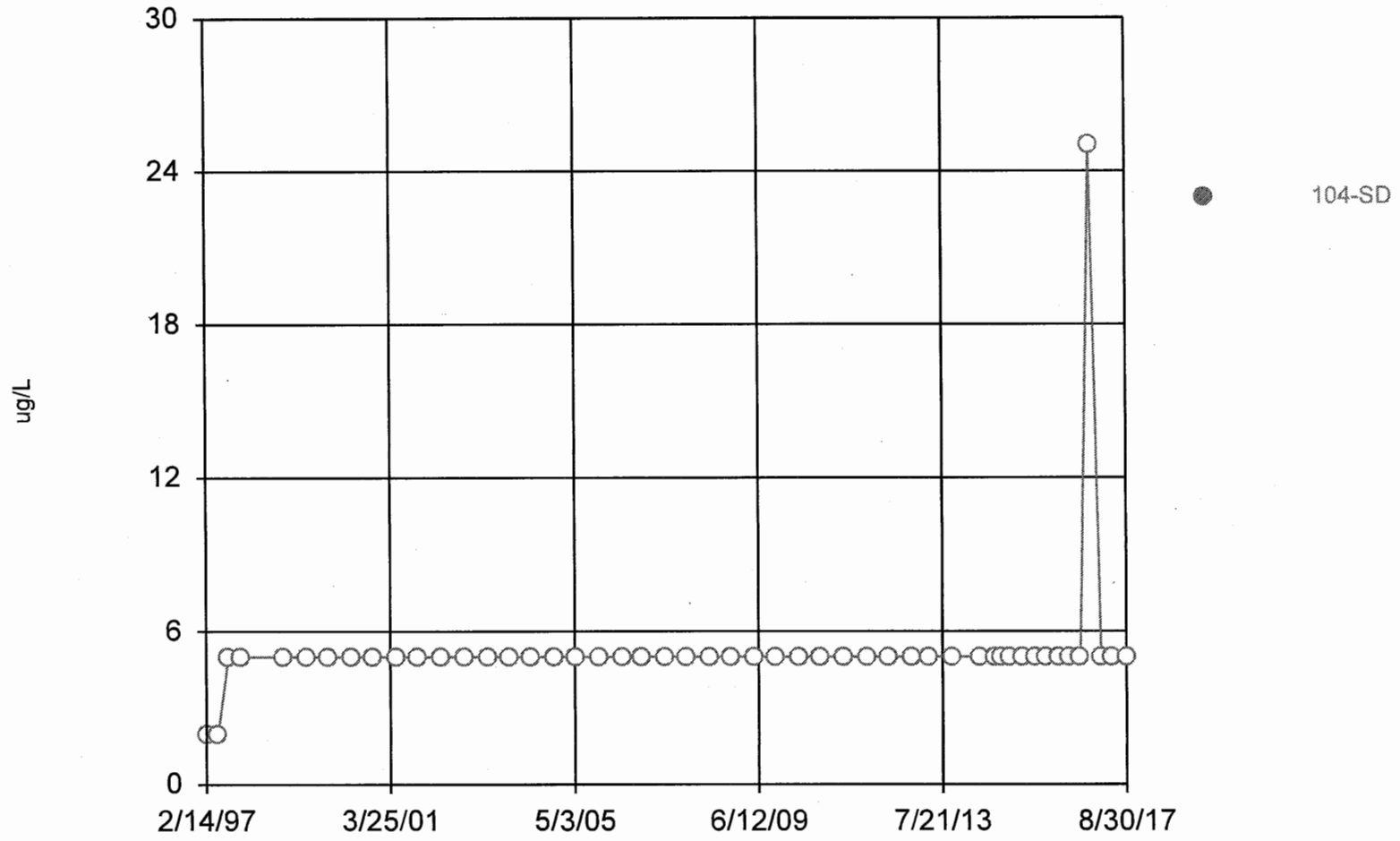


Constituent: Benzene Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

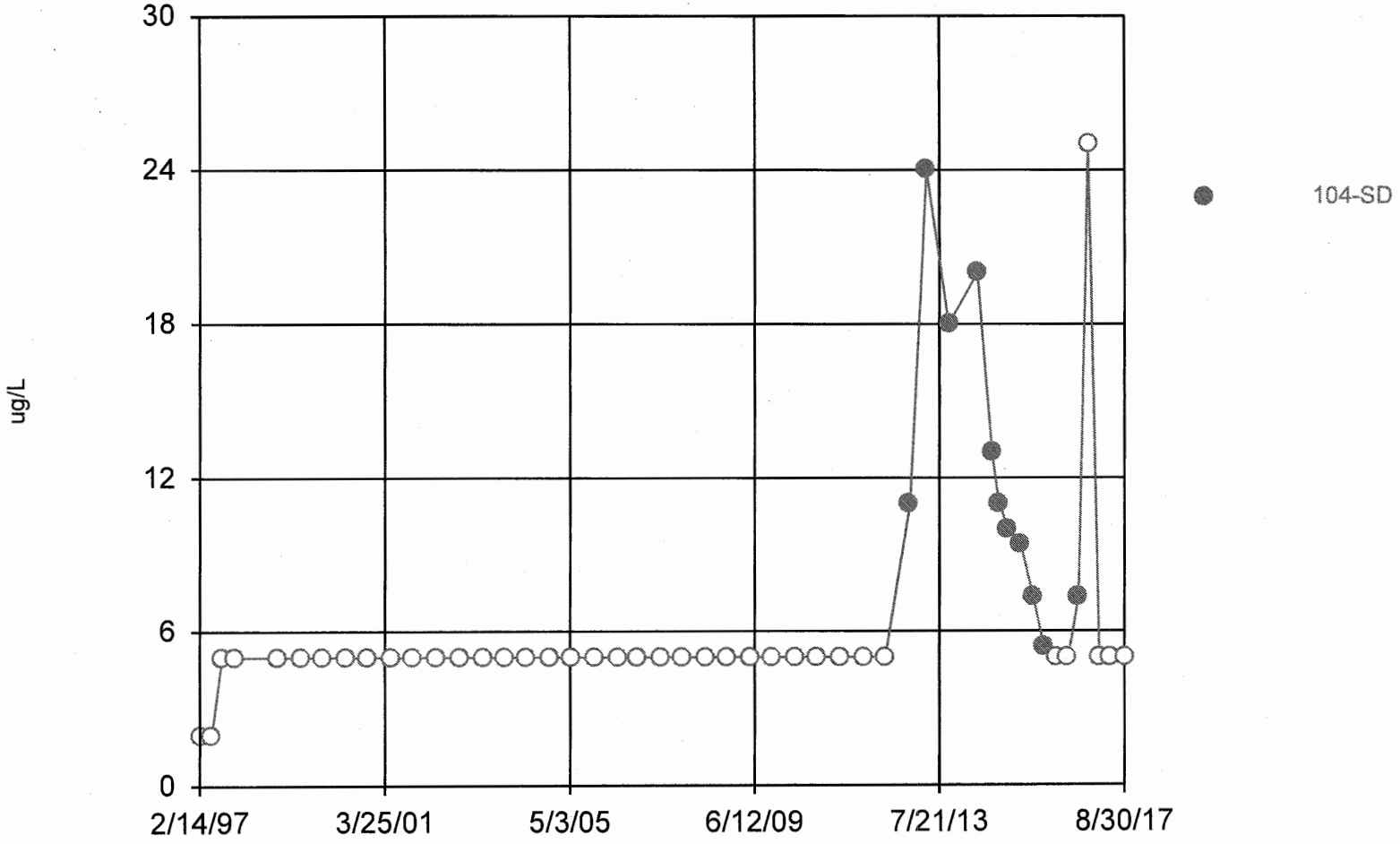


Constituent: Chlorobenzene Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

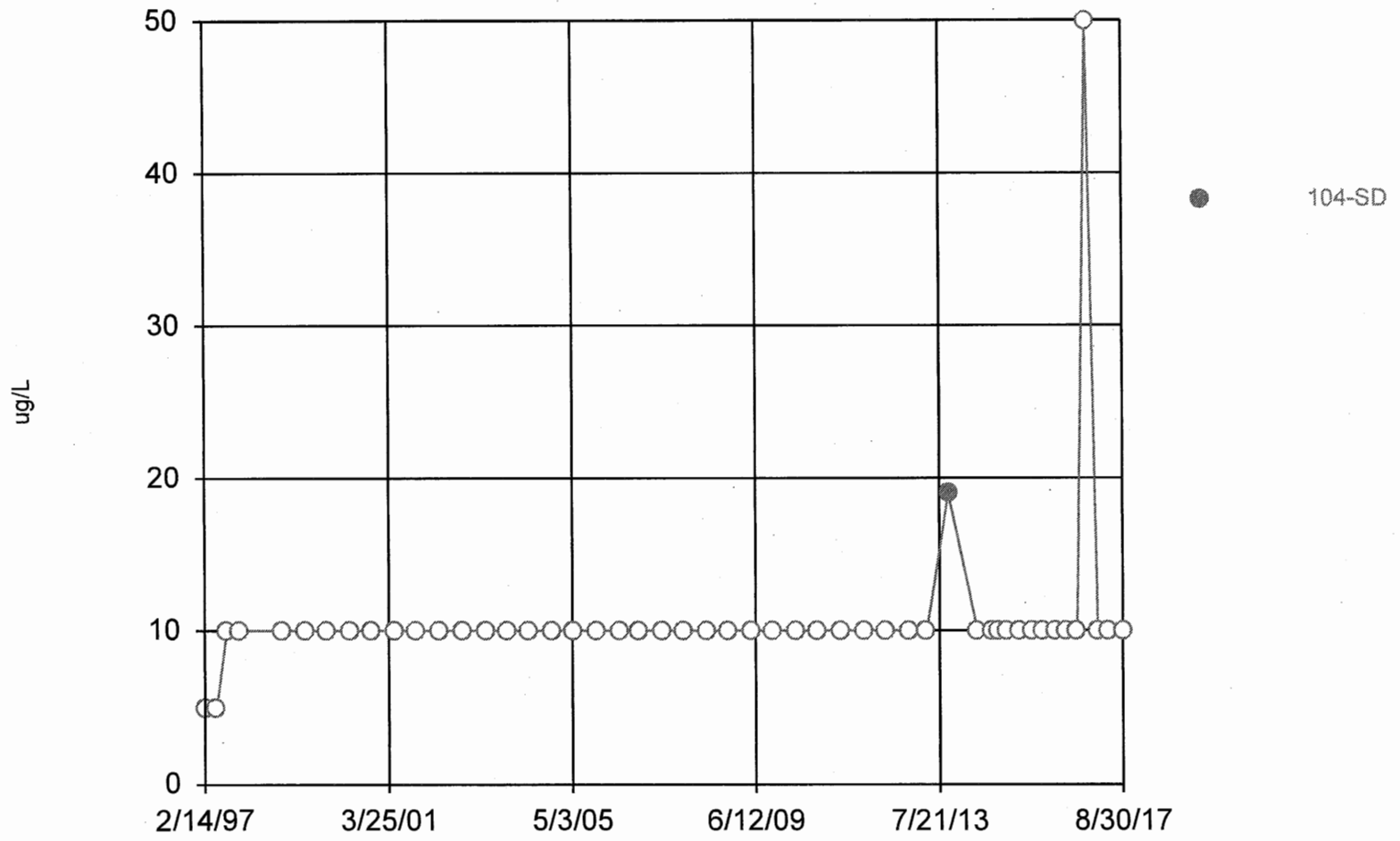


Constituent: Ethylbenzene Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series

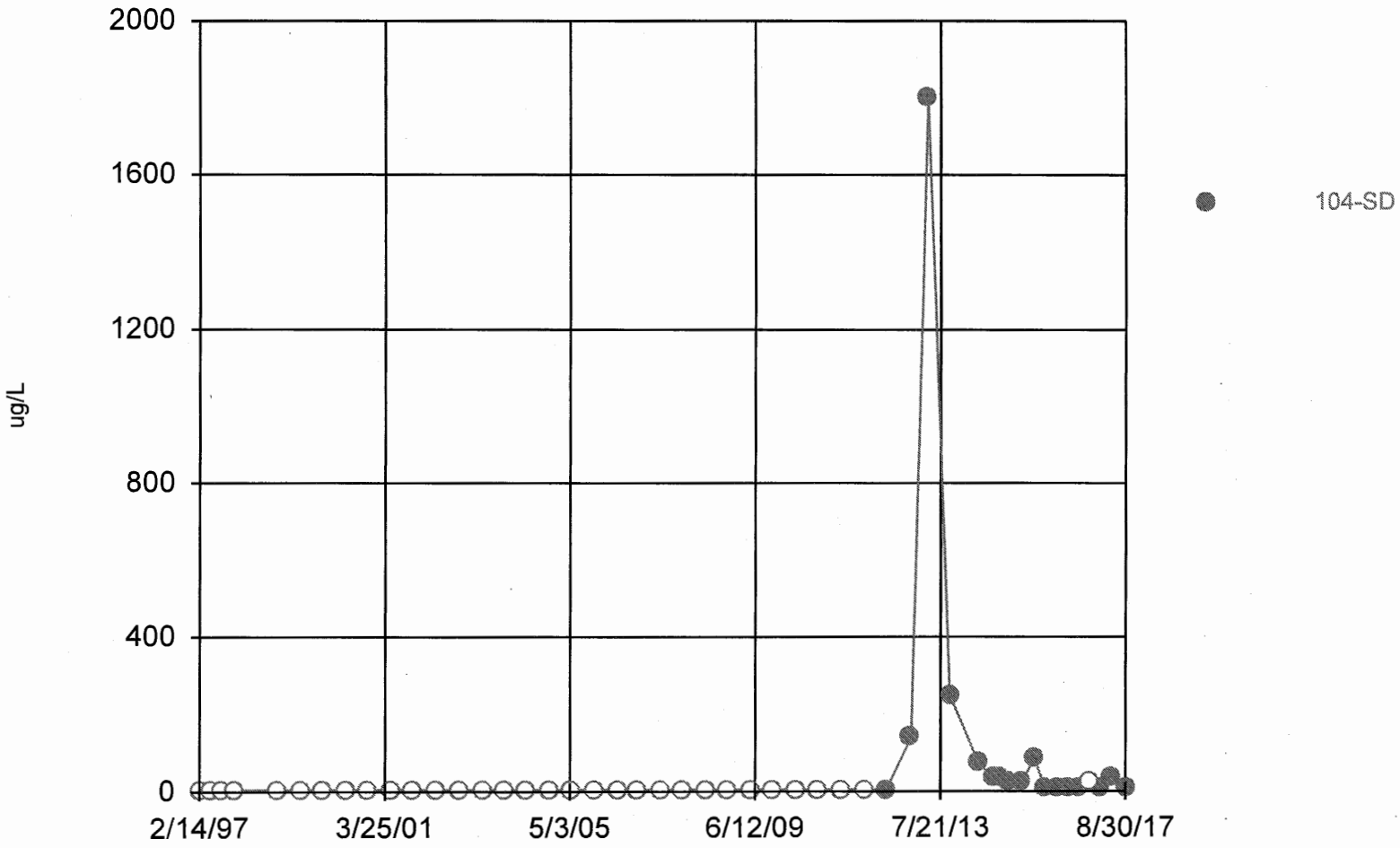


Constituent: Methyl Butyl Ketone [2-Hexanone] Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

Sanitas™ v.9.5.32 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Toluene Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

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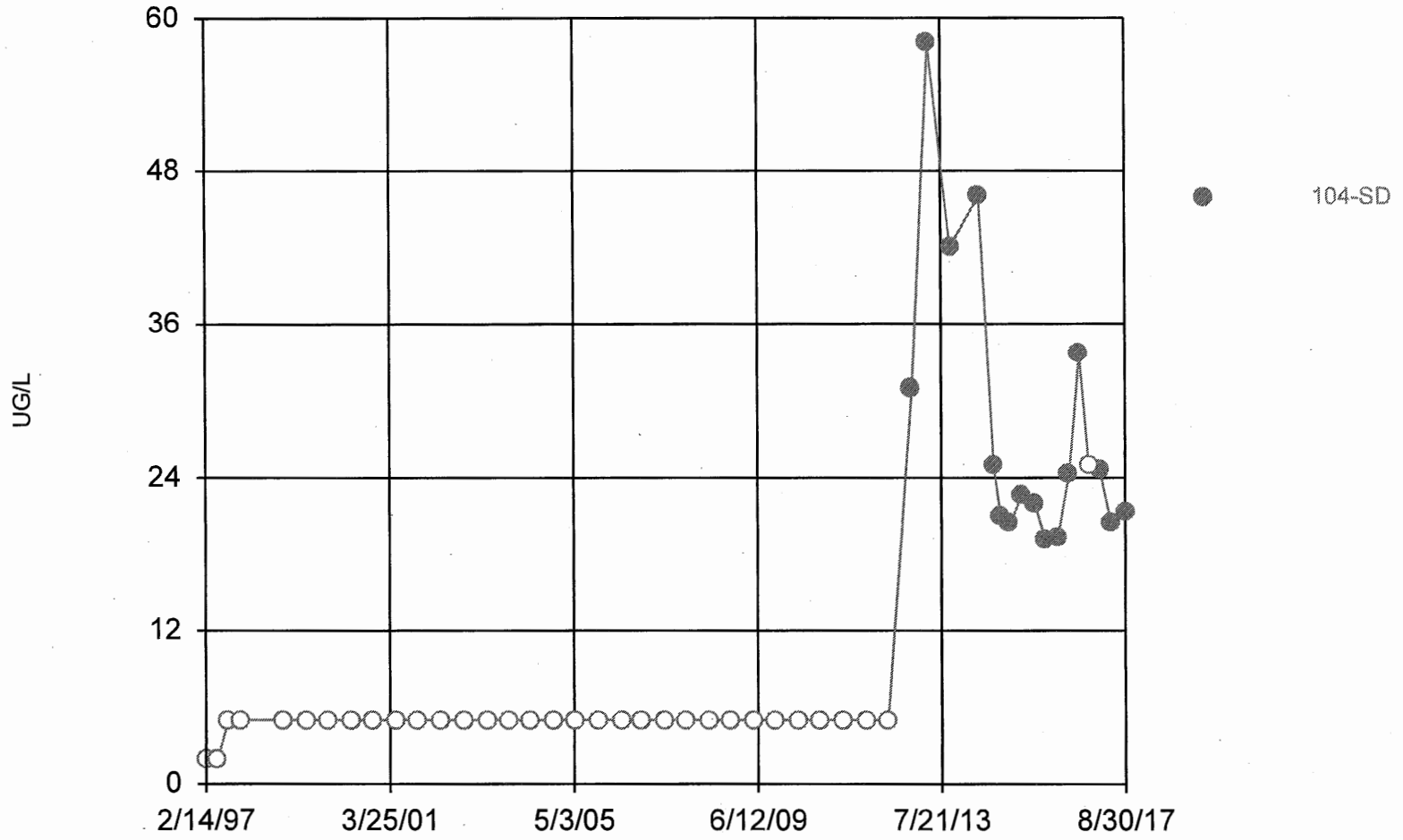
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes [Total] Analysis Run 9/27/2017 10:53 AM

Bridgeton LF Client: RSI Data: Bridgeton LF

APPENDIX F
LABORATORY ANALYTICAL REPORT

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Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

September 18, 2017

Environmental Manager
Bridgeton Landfill LLC
13570 Saint Charles Rock Road
Bridgeton, MO 63044

RE: Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Dear Environmental Manager:
Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chris Sarkan
chris.sarkan@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mr. Steve Jett, Jett Environmental Consulting
Ms Dana Sincox, Republic Services, Inc
Mr. Jon Wilkinson, Feezor Engineering, Inc.

NELAP ACCREDITED TNI LABORATORY

REPORT OF LABORATORY ANALYSIS

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(317)228-3100

CERTIFICATIONS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 003971
Indiana Certification #: C-49-06
Kansas/NELAP Certification #:E-10177
Kentucky UST Certification #: 80226
Kentucky WW Certification #:98019
Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2016-075
Texas Certification #: T104704355-16-10
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-16-00257

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SAMPLE SUMMARY

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50178859001	PZ-205-SS	Water	08/29/17 09:04	08/31/17 08:35
50178859002	PZ-106-SD	Water	08/29/17 10:26	08/31/17 08:35
50178859003	PZ-106-SS	Water	08/29/17 11:26	08/31/17 08:35
50178859004	PZ-115-SS	Water	08/29/17 13:26	08/31/17 08:35
50178859005	PZ-114-AS	Water	08/29/17 13:58	08/31/17 08:35
50178859006	PZ-100-SD	Water	08/29/17 15:07	08/31/17 08:35
50178859007	PZ-100-SS	Water	08/29/17 15:44	08/31/17 08:35
50178859008	PZ-111-SD	Water	08/29/17 17:02	08/31/17 08:35
50178859009	PZ-105-SS	Water	08/29/17 18:32	08/31/17 08:35
50178859010	FB@PZ-104-SD	Water	08/30/17 08:25	08/31/17 08:35
50178859011	PZ-104-SD	Water	08/30/17 09:30	08/31/17 08:35
50178859012	PZ-104-SD DUP	Water	08/30/17 09:30	08/31/17 08:35
50178859013	PZ-104-SS	Water	08/30/17 10:36	08/31/17 08:35
50178859014	PZ-201A-SS	Water	08/30/17 11:47	08/31/17 08:35
50178859015	PZ-109-SS	Water	08/30/17 12:39	08/31/17 08:35
50178859016	PZ-111-SS	Water	08/30/17 13:52	08/31/17 08:35
50178859017	PZ-107-SS	Water	08/30/17 15:06	08/31/17 08:35
50178859018	Trip Blank	Water	08/30/17 08:00	08/31/17 08:35

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SAMPLE ANALYTE COUNT

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50178859001	PZ-205-SS	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	AMV	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	EJS	1
50178859002	PZ-106-SD	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	AMV	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	EJS	1
50178859003	PZ-106-SS	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	AMV	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	EJS	1
50178859004	PZ-115-SS	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1

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SAMPLE ANALYTE COUNT

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8260	AMV	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859005	**PZ-114-AS**	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	EJS	1
50178859006	**PZ-100-SD**	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859007	**PZ-100-SS**	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1

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SAMPLE ANALYTE COUNT

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859008	PZ-111-SD	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859009	PZ-105-SS	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859010	FB@PZ-104-SD	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	CRP	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859011	PZ-104-SD	EPA 9056	KAV	3

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SAMPLE ANALYTE COUNT

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	CRP	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859012	PZ-104-SD DUP	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	CRP	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859013	PZ-104-SS	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	CRP	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859014	PZ-201A-SS	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50

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SAMPLE ANALYTE COUNT

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2540C	CRP	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859015	**PZ-109-SS**	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859016	**PZ-111-SS**	EPA 9056	KAV	3
		EPA 6010	MJC	11
		EPA 6020	CAW	11
		EPA 7470	JGJ	1
		EPA 8260	RSW	50
		SM 2540C	SCM	1
		EPA 410.4	SKK	1
		EPA 353.2	ZM	1
		EPA 365.1	GWA	1
		SM 4500-NH3 G	JRB	1
		SM 5310C	JRB	1
50178859017	**PZ-107-SS**	EPA 8260	RSW	4
50178859018	**Trip Blank**	EPA 8260	RSW	51

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SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859001	**PZ-205-SS**					
	Field pH	7.02	Std. Units		08/29/17 09:04	
	Field Temperature	20.3	deg C		08/29/17 09:04	
	Field Specific Conductance	898	umhos/cm		08/29/17 09:04	
	Field Oxidation Potential	95	mV		08/29/17 09:04	
	Oxygen, Dissolved	1.55	mg/L		08/29/17 09:04	
	Field Turbidity	10.89	NTU		08/29/17 09:04	
	Total Well Depth	93.00	feet		08/29/17 09:04	
	Elevation Water Level	436.16	ft/msl		08/29/17 09:04	
	Collar Elevation	465.83	ft/msl		08/29/17 09:04	
	Depth to Water	29.67	feet		08/29/17 09:04	
EPA 9056	Chloride	32.0	mg/L	2.5	09/11/17 23:55	
EPA 9056	Fluoride	0.40	mg/L	0.10	09/11/17 23:36	
EPA 9056	Sulfate	50.8	mg/L	2.5	09/11/17 23:55	
EPA 6010	Barium	141	ug/L	10.0	09/12/17 09:57	
EPA 6010	Calcium	99100	ug/L	500	09/12/17 09:57	
EPA 6010	Iron	294	ug/L	50.0	09/12/17 09:57	
EPA 6010	Magnesium	56300	ug/L	500	09/12/17 09:57	
EPA 6010	Sodium	15600	ug/L	1000	09/12/17 09:57	
EPA 6010	Total Hardness by 2340B	479000	ug/L	1000	09/12/17 09:57	
SM 2540C	Total Dissolved Solids	506	mg/L	10.0	09/01/17 10:55	
SM 5310C	Total Organic Carbon	1.3	mg/L	1.0	09/13/17 22:35	
50178859002	**PZ-106-SD**					
	Field pH	6.90	Std. Units		08/29/17 10:26	
	Field Temperature	23.7	deg C		08/29/17 10:26	
	Field Specific Conductance	1413	umhos/cm		08/29/17 10:26	
	Field Oxidation Potential	-165	mV		08/29/17 10:26	
	Oxygen, Dissolved	7.53	mg/L		08/29/17 10:26	
	Field Turbidity	3.71	NTU		08/29/17 10:26	
	Total Well Depth	NA	feet		08/29/17 10:26	
	Elevation Water Level	448.86	ft/msl		08/29/17 10:26	
	Collar Elevation	463.36	ft/msl		08/29/17 10:26	
	Depth to Water	14.50	feet		08/29/17 10:26	
EPA 9056	Chloride	114	mg/L	25.0	09/12/17 00:53	
EPA 9056	Fluoride	1.4	mg/L	0.10	09/12/17 00:14	
EPA 9056	Sulfate	56.5	mg/L	2.5	09/12/17 00:34	
EPA 6010	Barium	282	ug/L	10.0	09/12/17 10:03	
EPA 6010	Boron	440	ug/L	100	09/12/17 10:03	
EPA 6010	Calcium	96500	ug/L	500	09/12/17 10:03	
EPA 6010	Iron	747	ug/L	50.0	09/12/17 10:03	
EPA 6010	Magnesium	57700	ug/L	500	09/12/17 10:03	
EPA 6010	Manganese	25.7	ug/L	5.0	09/12/17 10:03	
EPA 6010	Sodium	78800	ug/L	1000	09/12/17 10:03	
EPA 6010	Total Hardness by 2340B	479000	ug/L	1000	09/12/17 10:03	
SM 2540C	Total Dissolved Solids	731	mg/L	10.0	09/01/17 10:55	
EPA 410.4	Chemical Oxygen Demand	47.1	mg/L	10.0	09/01/17 14:58	
EPA 365.1	Phosphorus	0.056	mg/L	0.050	09/07/17 14:01	
SM 4500-NH3 G	Nitrogen, Ammonia	22.3	mg/L	0.50	09/12/17 16:41	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859002	**PZ-106-SD**					
SM 5310C	Total Organic Carbon	15.0	mg/L	4.0	09/13/17 22:58	
50178859003	**PZ-106-SS**					
	Field pH	6.84	Std. Units		08/29/17 11:26	
	Field Temperature	23.4	deg C		08/29/17 11:26	
	Field Specific Conductance	1026	umhos/cm		08/29/17 11:26	
	Field Oxidation Potential	-143	mV		08/29/17 11:26	
	Oxygen, Dissolved	0.19	mg/L		08/29/17 11:26	
	Field Turbidity	7.23	NTU		08/29/17 11:26	
	Total Well Depth	NA	feet		08/29/17 11:26	
	Elevation Water Level	448.45	ft/msl		08/29/17 11:26	
	Collar Elevation	462.71	ft/msl		08/29/17 11:26	
	Depth to Water	14.26	feet		08/29/17 11:26	
EPA 9056	Chloride	50.7	mg/L	2.5	09/12/17 01:31	
EPA 9056	Fluoride	1.8	mg/L	0.10	09/12/17 01:12	
EPA 9056	Sulfate	45.0	mg/L	2.5	09/12/17 01:31	
EPA 6010	Barium	183	ug/L	10.0	09/12/17 10:10	
EPA 6010	Calcium	107000	ug/L	500	09/12/17 10:10	
EPA 6010	Iron	2510	ug/L	50.0	09/12/17 10:10	
EPA 6010	Magnesium	52700	ug/L	500	09/12/17 10:10	
EPA 6010	Manganese	16.0	ug/L	5.0	09/12/17 10:10	
EPA 6010	Sodium	35300	ug/L	1000	09/12/17 10:10	
EPA 6010	Total Hardness by 2340B	484000	ug/L	1000	09/12/17 10:10	
EPA 6020	Arsenic	5.7	ug/L	5.0	09/06/17 00:16	
SM 2540C	Total Dissolved Solids	581	mg/L	10.0	09/01/17 10:55	
EPA 410.4	Chemical Oxygen Demand	21.0	mg/L	10.0	09/01/17 14:58	
SM 4500-NH3 G	Nitrogen, Ammonia	0.21	mg/L	0.10	09/12/17 16:38	
SM 5310C	Total Organic Carbon	7.7	mg/L	4.0	09/13/17 23:21	
50178859004	**PZ-115-SS**					
	Field pH	6.57	Std. Units		08/29/17 13:26	
	Field Temperature	16.9	deg C		08/29/17 13:26	
	Field Specific Conductance	2350	umhos/cm		08/29/17 13:26	
	Field Oxidation Potential	-79	mV		08/29/17 13:26	
	Oxygen, Dissolved	0.70	mg/L		08/29/17 13:26	
	Field Turbidity	12.61	NTU		08/29/17 13:26	
	Total Well Depth	81.09	feet		08/29/17 13:26	
	Elevation Water Level	438.13	ft/msl		08/29/17 13:26	
	Collar Elevation	452.27	ft/msl		08/29/17 13:26	
	Depth to Water	14.14	feet		08/29/17 13:26	
EPA 9056	Chloride	495	mg/L	25.0	09/12/17 02:29	
EPA 9056	Fluoride	0.54	mg/L	0.10	09/12/17 01:51	
EPA 9056	Sulfate	4.0	mg/L	0.25	09/12/17 01:51	
EPA 6010	Barium	486	ug/L	10.0	09/12/17 09:21	
EPA 6010	Boron	443	ug/L	100	09/12/17 09:21	
EPA 6010	Calcium	224000	ug/L	5000	09/12/17 13:43	
EPA 6010	Cobalt	27.2	ug/L	5.0	09/12/17 09:21	
EPA 6010	Iron	3580	ug/L	50.0	09/12/17 09:21	

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SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859004	**PZ-115-SS**					
EPA 6010	Magnesium	105000	ug/L	5000	09/12/17 13:43	
EPA 6010	Manganese	75.6	ug/L	5.0	09/12/17 09:21	
EPA 6010	Nickel	68.4	ug/L	10.0	09/12/17 09:21	
EPA 6010	Sodium	167000	ug/L	1000	09/12/17 09:21	
EPA 6010	Total Hardness by 2340B	992000	ug/L	10000	09/12/17 13:43	
EPA 6020	Arsenic	7.0	ug/L	5.0	09/06/17 00:20	
SM 2540C	Total Dissolved Solids	1510	mg/L	10.0	09/01/17 08:25	
EPA 410.4	Chemical Oxygen Demand	33.2	mg/L	10.0	09/01/17 14:58	
EPA 365.1	Phosphorus	0.28	mg/L	0.050	09/07/17 14:03	
SM 4500-NH3 G	Nitrogen, Ammonia	1.2	mg/L	0.10	09/12/17 16:27	
SM 5310C	Total Organic Carbon	11.4	mg/L	4.0	09/15/17 01:21	
50178859005	**PZ-114-AS**					
	Field pH	6.46	Std. Units		08/29/17 13:58	
	Field Temperature	17.4	deg C		08/29/17 13:58	
	Field Specific Conductance	2280	umhos/cm		08/29/17 13:58	
	Field Oxidation Potential	-138	mV		08/29/17 13:58	
	Oxygen, Dissolved	0.14	mg/L		08/29/17 13:58	
	Field Turbidity	10.11	NTU		08/29/17 13:58	
	Total Well Depth	26.35	feet		08/29/17 13:58	
	Elevation Water Level	432.74	ft/msl		08/29/17 13:58	
	Collar Elevation	451.26	ft/msl		08/29/17 13:58	
	Depth to Water	18.52	feet		08/29/17 13:58	
EPA 9056	Chloride	308	mg/L	25.0	09/12/17 04:06	
EPA 9056	Fluoride	0.27	mg/L	0.10	09/12/17 03:27	
EPA 9056	Sulfate	4.5	mg/L	0.25	09/12/17 03:27	
EPA 6010	Barium	1140	ug/L	10.0	09/12/17 10:12	
EPA 6010	Boron	374	ug/L	100	09/12/17 10:12	
EPA 6010	Calcium	224000	ug/L	5000	09/12/17 13:45	
EPA 6010	Iron	75500	ug/L	50.0	09/12/17 10:12	
EPA 6010	Magnesium	59600	ug/L	500	09/12/17 10:12	
EPA 6010	Manganese	4310	ug/L	5.0	09/12/17 10:12	
EPA 6010	Sodium	138000	ug/L	1000	09/12/17 10:12	
EPA 6010	Total Hardness by 2340B	804000	ug/L	10000	09/12/17 13:45	
EPA 6020	Arsenic	73.5	ug/L	5.0	09/06/17 00:39	
EPA 8260	Benzene	23.0	ug/L	5.0	09/11/17 14:20	M1
EPA 8260	Chlorobenzene	92.7	ug/L	5.0	09/11/17 14:20	M1
EPA 8260	1,4-Dichlorobenzene	5.6	ug/L	5.0	09/11/17 14:20	
SM 2540C	Total Dissolved Solids	1300	mg/L	10.0	09/01/17 08:26	
EPA 410.4	Chemical Oxygen Demand	49.4	mg/L	10.0	09/01/17 14:58	
EPA 365.1	Phosphorus	2.0	mg/L	0.25	09/12/17 16:20	
SM 4500-NH3 G	Nitrogen, Ammonia	6.8	mg/L	0.10	09/12/17 16:30	
SM 5310C	Total Organic Carbon	14.3	mg/L	4.0	09/13/17 23:44	
50178859006	**PZ-100-SD**					
	Field pH	7.13	Std. Units		08/29/17 15:07	
	Field Temperature	17.0	deg C		08/29/17 15:07	
	Field Specific Conductance	600	umhos/cm		08/29/17 15:07	

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7726 Moller Road
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SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859006	**PZ-100-SD**					
	Field Oxidation Potential	-95	mV		08/29/17 15:07	
	Oxygen, Dissolved	0.30	mg/L		08/29/17 15:07	
	Field Turbidity	8.89	NTU		08/29/17 15:07	
	Total Well Depth	96.24	feet		08/29/17 15:07	
	Elevation Water Level	455.15	ft/msl		08/29/17 15:07	
	Collar Elevation	485.72	ft/msl		08/29/17 15:07	
	Depth to Water	30.57	feet		08/29/17 15:07	
EPA 9056	Chloride	1.8	mg/L	0.25	09/12/17 04:25	
EPA 9056	Fluoride	2.1	mg/L	0.10	09/12/17 04:25	
EPA 9056	Sulfate	9.4	mg/L	0.25	09/12/17 04:25	
EPA 6010	Barium	309	ug/L	10.0	09/12/17 10:14	
EPA 6010	Calcium	75200	ug/L	500	09/12/17 10:14	
EPA 6010	Iron	514	ug/L	50.0	09/12/17 10:14	
EPA 6010	Magnesium	34600	ug/L	500	09/12/17 10:14	
EPA 6010	Manganese	42.8	ug/L	5.0	09/12/17 10:14	
EPA 6010	Sodium	6950	ug/L	1000	09/12/17 10:14	
EPA 6010	Total Hardness by 2340B	330000	ug/L	1000	09/12/17 10:14	
SM 2540C	Total Dissolved Solids	315	mg/L	10.0	09/01/17 08:26	
SM 4500-NH3 G	Nitrogen, Ammonia	0.27	mg/L	0.10	09/12/17 16:31	
SM 5310C	Total Organic Carbon	1.2	mg/L	1.0	09/14/17 22:24	
50178859007	**PZ-100-SS**					
	Field pH	7.01	Std. Units		08/29/17 15:44	
	Field Temperature	17.6	deg C		08/29/17 15:44	
	Field Specific Conductance	772	umhos/cm		08/29/17 15:44	
	Field Oxidation Potential	0	mV		08/29/17 15:44	
	Oxygen, Dissolved	2.54	mg/L		08/29/17 15:44	
	Field Turbidity	7.09	NTU		08/29/17 15:44	
	Total Well Depth	89.31	feet		08/29/17 15:44	
	Elevation Water Level	456.51	ft/msl		08/29/17 15:44	
	Collar Elevation	485.75	ft/msl		08/29/17 15:44	
	Depth to Water	29.24	feet		08/29/17 15:44	
EPA 9056	Chloride	4.8	mg/L	0.25	09/12/17 04:44	
EPA 9056	Fluoride	0.59	mg/L	0.10	09/12/17 04:44	
EPA 9056	Sulfate	33.8	mg/L	2.5	09/12/17 05:04	
EPA 6010	Barium	66.1	ug/L	10.0	09/12/17 10:16	
EPA 6010	Boron	116	ug/L	100	09/12/17 10:16	
EPA 6010	Calcium	90900	ug/L	500	09/12/17 10:16	
EPA 6010	Magnesium	51300	ug/L	500	09/12/17 10:16	
EPA 6010	Nickel	10.5	ug/L	10.0	09/12/17 10:16	
EPA 6010	Sodium	10000	ug/L	1000	09/12/17 10:16	
EPA 6010	Total Hardness by 2340B	438000	ug/L	1000	09/12/17 10:16	
EPA 6020	Copper	5.1	ug/L	5.0	09/06/17 00:48	
SM 2540C	Total Dissolved Solids	433	mg/L	10.0	09/01/17 08:26	
SM 5310C	Total Organic Carbon	1.3	mg/L	1.0	09/14/17 22:47	
50178859008	**PZ-111-SD**					
	Field pH	7.08	Std. Units		08/29/17 17:02	

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(317)228-3100

SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859008	**PZ-111-SD**					
	Field Temperature	18.4	deg C		08/29/17 17:02	
	Field Specific Conductance	803	umhos/cm		08/29/17 17:02	
	Field Oxidation Potential	-86	mV		08/29/17 17:02	
	Oxygen, Dissolved	1.73	mg/L		08/29/17 17:02	
	Field Turbidity	4.58	NTU		08/29/17 17:02	
	Total Well Depth	NA	feet		08/29/17 17:02	
	Elevation Water Level	433.03	ft/msl		08/29/17 17:02	
	Collar Elevation	466.46	ft/msl		08/29/17 17:02	
	Depth to Water	33.43	feet		08/29/17 17:02	
EPA 9056	Chloride	11.5	mg/L	0.25	09/12/17 05:23	
EPA 9056	Fluoride	2.0	mg/L	0.10	09/12/17 05:23	
EPA 9056	Sulfate	43.8	mg/L	2.5	09/12/17 05:42	
EPA 6010	Barium	101	ug/L	10.0	09/12/17 10:18	
EPA 6010	Calcium	87000	ug/L	500	09/12/17 10:18	
EPA 6010	Iron	959	ug/L	50.0	09/12/17 10:18	
EPA 6010	Magnesium	50700	ug/L	500	09/12/17 10:18	
EPA 6010	Manganese	9.9	ug/L	5.0	09/12/17 10:18	
EPA 6010	Sodium	17500	ug/L	1000	09/12/17 10:18	
EPA 6010	Total Hardness by 2340B	426000	ug/L	1000	09/12/17 10:18	
SM 2540C	Total Dissolved Solids	444	mg/L	10.0	09/01/17 08:27	
SM 5310C	Total Organic Carbon	1.3	mg/L	1.0	09/14/17 23:18	
50178859009	**PZ-105-SS**					
	Field pH	7.02	Std. Units		08/29/17 18:32	
	Field Temperature	21.4	deg C		08/29/17 18:32	
	Field Specific Conductance	1053	umhos/cm		08/29/17 18:32	
	Field Oxidation Potential	-102	mV		08/29/17 18:32	
	Oxygen, Dissolved	1.61	mg/L		08/29/17 18:32	
	Field Turbidity	8.49	NTU		08/29/17 18:32	
	Total Well Depth	144.98	feet		08/29/17 18:32	
	Elevation Water Level	460.19	ft/msl		08/29/17 18:32	
	Collar Elevation	483.51	ft/msl		08/29/17 18:32	
	Depth to Water	23.32	feet		08/29/17 18:32	
EPA 9056	Chloride	74.8	mg/L	2.5	09/12/17 06:21	
EPA 9056	Fluoride	0.57	mg/L	0.10	09/12/17 06:02	
EPA 9056	Sulfate	46.3	mg/L	2.5	09/12/17 06:21	
EPA 6010	Barium	174	ug/L	10.0	09/12/17 10:20	
EPA 6010	Calcium	104000	ug/L	500	09/12/17 10:20	
EPA 6010	Iron	2450	ug/L	50.0	09/12/17 10:20	
EPA 6010	Magnesium	55200	ug/L	500	09/12/17 10:20	
EPA 6010	Manganese	82.0	ug/L	5.0	09/12/17 10:20	
EPA 6010	Sodium	41200	ug/L	1000	09/12/17 10:20	
EPA 6010	Total Hardness by 2340B	487000	ug/L	1000	09/12/17 10:20	
SM 2540C	Total Dissolved Solids	593	mg/L	10.0	09/01/17 08:27	
SM 5310C	Total Organic Carbon	3.4	mg/L	1.0	09/14/17 23:49	
50178859011	**PZ-104-SD**					
	Field pH	6.79	Std. Units		08/30/17 09:30	

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SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859011	**PZ-104-SD**					
	Field Temperature	26.9	deg C		08/30/17 09:30	
	Field Specific Conductance	2000	umhos/cm		08/30/17 09:30	
	Field Oxidation Potential	-133	mV		08/30/17 09:30	
	Oxygen, Dissolved	1.22	mg/L		08/30/17 09:30	
	Field Turbidity	5.00	NTU		08/30/17 09:30	
	Total Well Depth	120.59	feet		08/30/17 09:30	
	Elevation Water Level	462.10	ft/msl		08/30/17 09:30	
	Collar Elevation	483.51	ft/msl		08/30/17 09:30	
	Depth to Water	21.41	feet		08/30/17 09:30	
EPA 9056	Chloride	201	mg/L	25.0	09/12/17 09:34	
EPA 9056	Fluoride	1.1	mg/L	0.10	09/12/17 07:38	
EPA 9056	Sulfate	4.2	mg/L	0.25	09/12/17 07:38	
EPA 6010	Barium	592	ug/L	10.0	09/12/17 10:38	
EPA 6010	Boron	841	ug/L	100	09/12/17 10:38	
EPA 6010	Calcium	94700	ug/L	500	09/12/17 10:38	
EPA 6010	Iron	9400	ug/L	50.0	09/12/17 10:38	
EPA 6010	Magnesium	57800	ug/L	500	09/12/17 10:38	
EPA 6010	Manganese	112	ug/L	5.0	09/12/17 10:38	
EPA 6010	Nickel	50.2	ug/L	10.0	09/12/17 10:38	
EPA 6010	Sodium	132000	ug/L	1000	09/12/17 10:38	
EPA 6010	Total Hardness by 2340B	475000	ug/L	1000	09/12/17 10:38	
EPA 6020	Arsenic	16.3	ug/L	5.0	09/06/17 01:40	
EPA 6020	Chromium	9.1	ug/L	5.0	09/06/17 01:40	
EPA 8260	Benzene	327	ug/L	50.0	09/12/17 17:37	
EPA 8260	Toluene	9.5	ug/L	5.0	09/11/17 16:39	
EPA 8260	Xylene (Total)	21.3	ug/L	5.0	09/11/17 16:39	
SM 2540C	Total Dissolved Solids	872	mg/L	10.0	09/02/17 11:46	
EPA 410.4	Chemical Oxygen Demand	150	mg/L	10.0	09/01/17 14:58	
EPA 365.1	Phosphorus	0.13	mg/L	0.050	09/12/17 15:44	
SM 4500-NH3 G	Nitrogen, Ammonia	39.7	mg/L	0.50	09/14/17 14:36	
SM 5310C	Total Organic Carbon	51.1	mg/L	4.0	09/15/17 02:31	
50178859012	**PZ-104-SD DUP**					
EPA 9056	Chloride	206	mg/L	25.0	09/12/17 15:02	
EPA 9056	Fluoride	1.0	mg/L	0.10	09/12/17 14:23	
EPA 9056	Sulfate	4.3	mg/L	0.25	09/12/17 14:23	
EPA 6010	Barium	602	ug/L	10.0	09/12/17 10:41	
EPA 6010	Boron	851	ug/L	100	09/12/17 10:41	
EPA 6010	Calcium	94300	ug/L	500	09/12/17 10:41	
EPA 6010	Iron	9390	ug/L	50.0	09/12/17 10:41	
EPA 6010	Magnesium	57600	ug/L	500	09/12/17 10:41	
EPA 6010	Manganese	111	ug/L	5.0	09/12/17 10:41	
EPA 6010	Nickel	50.0	ug/L	10.0	09/12/17 10:41	
EPA 6010	Sodium	133000	ug/L	1000	09/12/17 10:41	
EPA 6010	Total Hardness by 2340B	473000	ug/L	1000	09/12/17 10:41	
EPA 6020	Arsenic	16.5	ug/L	5.0	09/06/17 01:44	
EPA 6020	Chromium	9.3	ug/L	5.0	09/06/17 01:44	
EPA 8260	Benzene	346	ug/L	50.0	09/13/17 16:06	

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SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859012	**PZ-104-SD DUP**					
EPA 8260	Toluene	9.7	ug/L	5.0	09/11/17 17:14	
EPA 8260	Xylene (Total)	21.4	ug/L	5.0	09/11/17 17:14	
SM 2540C	Total Dissolved Solids	874	mg/L	10.0	09/02/17 11:47	
EPA 410.4	Chemical Oxygen Demand	149	mg/L	10.0	09/01/17 14:58	
EPA 365.1	Phosphorus	0.13	mg/L	0.050	09/12/17 15:44	
SM 4500-NH3 G	Nitrogen, Ammonia	36.8	mg/L	0.50	09/14/17 14:37	
SM 5310C	Total Organic Carbon	51.5	mg/L	4.0	09/15/17 02:55	
50178859013	**PZ-104-SS**					
	Field pH	6.63	Std. Units		08/30/17 10:36	
	Field Temperature	27.4	deg C		08/30/17 10:36	
	Field Specific Conductance	803	umhos/cm		08/30/17 10:36	
	Field Oxidation Potential	-162	mV		08/30/17 10:36	
	Oxygen, Dissolved	0.49	mg/L		08/30/17 10:36	
	Field Turbidity	13.82	NTU		08/30/17 10:36	
	Total Well Depth	140.59	feet		08/30/17 10:36	
	Elevation Water Level	463.21	ft/msl		08/30/17 10:36	
	Collar Elevation	483.45	ft/msl		08/30/17 10:36	
	Depth to Water	20.24	feet		08/30/17 10:36	
EPA 9056	Chloride	4.2	mg/L	0.25	09/12/17 15:21	
EPA 9056	Fluoride	0.74	mg/L	0.10	09/12/17 15:21	
EPA 9056	Sulfate	19.6	mg/L	0.25	09/12/17 15:21	
EPA 6010	Barium	102	ug/L	10.0	09/12/17 10:43	
EPA 6010	Boron	140	ug/L	100	09/12/17 10:43	
EPA 6010	Calcium	83000	ug/L	500	09/12/17 10:43	
EPA 6010	Iron	161	ug/L	50.0	09/12/17 10:43	
EPA 6010	Magnesium	49000	ug/L	500	09/12/17 10:43	
EPA 6010	Manganese	24.2	ug/L	5.0	09/12/17 10:43	
EPA 6010	Sodium	14400	ug/L	1000	09/12/17 10:43	
EPA 6010	Total Hardness by 2340B	409000	ug/L	1000	09/12/17 10:43	
EPA 8260	Benzene	33.9	ug/L	5.0	09/11/17 17:49	
EPA 8260	1,4-Dichlorobenzene	5.4	ug/L	5.0	09/11/17 17:49	
EPA 8260	Toluene	18.3	ug/L	5.0	09/11/17 17:49	
EPA 8260	Xylene (Total)	5.3	ug/L	5.0	09/11/17 17:49	
SM 2540C	Total Dissolved Solids	417	mg/L	10.0	09/02/17 11:47	
EPA 410.4	Chemical Oxygen Demand	18.8	mg/L	10.0	09/01/17 14:58	
SM 5310C	Total Organic Carbon	2.6	mg/L	1.0	09/15/17 03:17	
50178859014	**PZ-201A-SS**					
	Field pH	7.10	Std. Units		08/30/17 11:47	
	Field Temperature	18.5	deg C		08/30/17 11:47	
	Field Specific Conductance	766	umhos/cm		08/30/17 11:47	
	Field Oxidation Potential	-2	mV		08/30/17 11:47	
	Oxygen, Dissolved	1.63	mg/L		08/30/17 11:47	
	Field Turbidity	8.74	NTU		08/30/17 11:47	
	Total Well Depth	86.36	feet		08/30/17 11:47	
	Elevation Water Level	468.48	ft/msl		08/30/17 11:47	
	Collar Elevation	480.20	ft/msl		08/30/17 11:47	

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SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859014	**PZ-201A-SS**					
	Depth to Water	11.72	feet		08/30/17 11:47	
EPA 9056	Chloride	4.0	mg/L	0.25	09/12/17 15:40	
EPA 9056	Fluoride	0.45	mg/L	0.10	09/12/17 15:40	
EPA 9056	Sulfate	59.5	mg/L	2.5	09/12/17 16:00	
EPA 6010	Barium	133	ug/L	10.0	09/12/17 10:45	
EPA 6010	Calcium	94600	ug/L	500	09/12/17 10:45	
EPA 6010	Iron	87.2	ug/L	50.0	09/12/17 10:45	
EPA 6010	Magnesium	45900	ug/L	500	09/12/17 10:45	
EPA 6010	Manganese	9.1	ug/L	5.0	09/12/17 10:45	
EPA 6010	Sodium	10100	ug/L	1000	09/12/17 10:45	
EPA 6010	Total Hardness by 2340B	425000	ug/L	1000	09/12/17 10:45	
SM 2540C	Total Dissolved Solids	463	mg/L	10.0	09/02/17 11:47	
EPA 353.2	Nitrogen, NO2 plus NO3	0.35	mg/L	0.10	09/01/17 15:35	
SM 5310C	Total Organic Carbon	1.2	mg/L	1.0	09/15/17 03:49	
50178859015	**PZ-109-SS**					
	Field pH	6.99	Std. Units		08/30/17 12:39	
	Field Temperature	22.5	deg C		08/30/17 12:39	
	Field Specific Conductance	770	umhos/cm		08/30/17 12:39	
	Field Oxidation Potential	-8	mV		08/30/17 12:39	
	Oxygen, Dissolved	0.89	mg/L		08/30/17 12:39	
	Field Turbidity	7.08	NTU		08/30/17 12:39	
	Total Well Depth	130.86	feet		08/30/17 12:39	
	Elevation Water Level	440.35	ft/msl		08/30/17 12:39	
	Collar Elevation	460.19	ft/msl		08/30/17 12:39	
	Depth to Water	19.84	feet		08/30/17 12:39	
EPA 9056	Chloride	4.0	mg/L	0.25	09/12/17 16:19	
EPA 9056	Fluoride	2.3	mg/L	0.10	09/12/17 16:19	
EPA 9056	Sulfate	22.3	mg/L	0.25	09/12/17 16:19	
EPA 6010	Barium	59.4	ug/L	10.0	09/12/17 10:47	
EPA 6010	Boron	183	ug/L	100	09/12/17 10:47	
EPA 6010	Calcium	91600	ug/L	500	09/12/17 10:47	
EPA 6010	Magnesium	52500	ug/L	500	09/12/17 10:47	
EPA 6010	Sodium	9860	ug/L	1000	09/12/17 10:47	
EPA 6010	Total Hardness by 2340B	445000	ug/L	1000	09/12/17 10:47	
SM 2540C	Total Dissolved Solids	434	mg/L	10.0	09/05/17 07:51	
SM 5310C	Total Organic Carbon	1.3	mg/L	1.0	09/15/17 04:19	
50178859016	**PZ-111-SS**					
	Field pH	6.85	Std. Units		08/30/17 13:52	
	Field Temperature	18.4	deg C		08/30/17 13:52	
	Field Specific Conductance	1979	umhos/cm		08/30/17 13:52	
	Field Oxidation Potential	-10	mV		08/30/17 13:52	
	Oxygen, Dissolved	1.12	mg/L		08/30/17 13:52	
	Field Turbidity	36.47	NTU		08/30/17 13:52	
	Total Well Depth	NA	feet		08/30/17 13:52	
	Elevation Water Level	NA	ft/msl		08/30/17 13:52	
	Collar Elevation	NA	ft/msl		08/30/17 13:52	

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SUMMARY OF DETECTION

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50178859016	**PZ-111-SS**					
	Depth to Water	NA	feet		08/30/17 13:52	
EPA 9056	Chloride	259	mg/L	25.0	09/12/17 17:17	
EPA 9056	Fluoride	0.51	mg/L	0.10	09/12/17 16:38	
EPA 9056	Sulfate	34.5	mg/L	2.5	09/12/17 16:57	
EPA 6010	Barium	611	ug/L	10.0	09/12/17 10:49	
EPA 6010	Boron	394	ug/L	100	09/12/17 10:49	
EPA 6010	Calcium	177000	ug/L	500	09/12/17 10:49	
EPA 6010	Iron	1330	ug/L	50.0	09/12/17 10:49	
EPA 6010	Magnesium	78800	ug/L	500	09/12/17 10:49	
EPA 6010	Manganese	125	ug/L	5.0	09/12/17 10:49	
EPA 6010	Nickel	26.8	ug/L	10.0	09/12/17 10:49	
EPA 6010	Sodium	129000	ug/L	1000	09/12/17 10:49	
EPA 6010	Total Hardness by 2340B	767000	ug/L	1000	09/12/17 10:49	
SM 2540C	Total Dissolved Solids	1180	mg/L	10.0	09/05/17 07:51	
EPA 410.4	Chemical Oxygen Demand	53.3	mg/L	10.0	09/01/17 16:11	
EPA 365.1	Phosphorus	0.051	mg/L	0.050	09/12/17 15:47	
SM 4500-NH3 G	Nitrogen, Ammonia	1.0	mg/L	0.10	09/14/17 14:04	
SM 5310C	Total Organic Carbon	17.2	mg/L	1.0	09/15/17 04:44	
50178859017	**PZ-107-SS**					
	Field pH	6.69	Std. Units		08/30/17 15:06	
	Field Temperature	20.7	deg C		08/30/17 15:06	
	Field Specific Conductance	2680	umhos/cm		08/30/17 15:06	
	Field Oxidation Potential	-85	mV		08/30/17 15:06	
	Oxygen, Dissolved	4.91	mg/L		08/30/17 15:06	
	Field Turbidity	11.84	NTU		08/30/17 15:06	
	Total Well Depth	103.80	feet		08/30/17 15:06	
	Elevation Water Level	432.89	ft/msl		08/30/17 15:06	
	Collar Elevation	464.56	ft/msl		08/30/17 15:06	
	Depth to Water	31.67	feet		08/30/17 15:06	
EPA 8260	Dichlorodifluoromethane	24.8	ug/L	5.0	09/11/17 19:33	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-205-SS **Lab ID: 50178859001** Collected: 08/29/17 09:04 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.02**	Std. Units		1		08/29/17 09:04		
Field Temperature	**20.3**	deg C		1		08/29/17 09:04		
Field Specific Conductance	**898**	umhos/cm		1		08/29/17 09:04		
Field Oxidation Potential	**95**	mV		1		08/29/17 09:04		
Oxygen, Dissolved	**1.55**	mg/L		1		08/29/17 09:04	7782-44-7	
Field Turbidity	**10.89**	NTU		1		08/29/17 09:04		
Total Well Depth	**93.00**	feet		1		08/29/17 09:04		
Elevation Water Level	**436.16**	ft/msl		1		08/29/17 09:04		
Collar Elevation	**465.83**	ft/msl		1		08/29/17 09:04		
Depth to Water	**29.67**	feet		1		08/29/17 09:04		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**32.0**	mg/L	2.5	10		09/11/17 23:55	16887-00-6	
Fluoride	**0.40**	mg/L	0.10	1		09/11/17 23:36	16984-48-8	
Sulfate	**50.8**	mg/L	2.5	10		09/11/17 23:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**141**	ug/L	10.0	1	09/06/17 11:34	09/12/17 09:57	7440-39-3	
Boron	ND	ug/L	100	1	09/06/17 11:34	09/12/17 09:57	7440-42-8	
Calcium	**99100**	ug/L	500	1	09/06/17 11:34	09/12/17 09:57	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 09:57	7440-48-4	
Iron	**294**	ug/L	50.0	1	09/06/17 11:34	09/12/17 09:57	7439-89-6	
Magnesium	**56300**	ug/L	500	1	09/06/17 11:34	09/12/17 09:57	7439-95-4	
Manganese	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 09:57	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 09:57	7440-02-0	
Sodium	**15600**	ug/L	1000	1	09/06/17 11:34	09/12/17 09:57	7440-23-5	
Total Hardness by 2340B	**479000**	ug/L	1000	1	09/06/17 11:34	09/12/17 09:57		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 09:57	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:06	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:06	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:06	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:06	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:06	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:06	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:06	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:06	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:06	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:06	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:06	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 20:58	7439-97-6	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-205-SS **Lab ID: 50178859001** Collected: 08/29/17 09:04 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/08/17 02:30	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/08/17 02:30	107-13-1	
Benzene	ND	ug/L	5.0	1		09/08/17 02:30	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/08/17 02:30	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/08/17 02:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/08/17 02:30	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/08/17 02:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/08/17 02:30	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/08/17 02:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/08/17 02:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/08/17 02:30	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/08/17 02:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/08/17 02:30	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/08/17 02:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/08/17 02:30	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/08/17 02:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/08/17 02:30	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/08/17 02:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/08/17 02:30	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/08/17 02:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/08/17 02:30	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/08/17 02:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/08/17 02:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/08/17 02:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/08/17 02:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/08/17 02:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/08/17 02:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/08/17 02:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/08/17 02:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/08/17 02:30	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/08/17 02:30	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/08/17 02:30	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/08/17 02:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/08/17 02:30	108-10-1	
Styrene	ND	ug/L	5.0	1		09/08/17 02:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/08/17 02:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/08/17 02:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/08/17 02:30	127-18-4	
Toluene	ND	ug/L	5.0	1		09/08/17 02:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/08/17 02:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/08/17 02:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/08/17 02:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/08/17 02:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/08/17 02:30	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/08/17 02:30	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/08/17 02:30	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/08/17 02:30	1330-20-7	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-205-SS **Lab ID: 50178859001** Collected: 08/29/17 09:04 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	96	%.	86-116	1		09/08/17 02:30	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	84-113	1		09/08/17 02:30	460-00-4	
Toluene-d8 (S)	102	%.	86-111	1		09/08/17 02:30	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**506**	mg/L	10.0	1		09/01/17 10:55		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:01		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/07/17 11:00	09/07/17 14:00	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		09/12/17 16:24	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.3**	mg/L	1.0	1		09/13/17 22:35	7440-44-0	

Sample: PZ-106-SD **Lab ID: 50178859002** Collected: 08/29/17 10:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.90**	Std. Units		1		08/29/17 10:26		
Field Temperature	**23.7**	deg C		1		08/29/17 10:26		
Field Specific Conductance	**1413**	umhos/cm		1		08/29/17 10:26		
Field Oxidation Potential	**-165**	mV		1		08/29/17 10:26		
Oxygen, Dissolved	**7.53**	mg/L		1		08/29/17 10:26	7782-44-7	
Field Turbidity	**3.71**	NTU		1		08/29/17 10:26		
Total Well Depth	**NA**	feet		1		08/29/17 10:26		
Elevation Water Level	**448.86**	ft/msl		1		08/29/17 10:26		
Collar Elevation	**463.36**	ft/msl		1		08/29/17 10:26		
Depth to Water	**14.50**	feet		1		08/29/17 10:26		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**114**	mg/L	25.0	100		09/12/17 00:53	16887-00-6	
Fluoride	**1.4**	mg/L	0.10	1		09/12/17 00:14	16984-48-8	
Sulfate	**56.5**	mg/L	2.5	10		09/12/17 00:34	14808-79-8	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-106-SD **Lab ID: 50178859002** Collected: 08/29/17 10:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**282**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:03	7440-39-3	
Boron	**440**	ug/L	100	1	09/06/17 11:34	09/12/17 10:03	7440-42-8	
Calcium	**96500**	ug/L	500	1	09/06/17 11:34	09/12/17 10:03	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:03	7440-48-4	
Iron	**747**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:03	7439-89-6	
Magnesium	**57700**	ug/L	500	1	09/06/17 11:34	09/12/17 10:03	7439-95-4	
Manganese	**25.7**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:03	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:03	7440-02-0	
Sodium	**78800**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:03	7440-23-5	
Total Hardness by 2340B	**479000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:03		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:03	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:11	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:11	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:11	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:11	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:11	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:11	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:11	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:11	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:11	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:11	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:11	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:00	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/08/17 02:58	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/08/17 02:58	107-13-1	
Benzene	ND	ug/L	5.0	1		09/08/17 02:58	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/08/17 02:58	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/08/17 02:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/08/17 02:58	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/08/17 02:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/08/17 02:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/08/17 02:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/08/17 02:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/08/17 02:58	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/08/17 02:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/08/17 02:58	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/08/17 02:58	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/08/17 02:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/08/17 02:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/08/17 02:58	106-93-4	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-106-SD **Lab ID: 50178859002** Collected: 08/29/17 10:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromomethane	ND	ug/L	10.0	1		09/08/17 02:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/08/17 02:58	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/08/17 02:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/08/17 02:58	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/08/17 02:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/08/17 02:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/08/17 02:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/08/17 02:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/08/17 02:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/08/17 02:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/08/17 02:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/08/17 02:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/08/17 02:58	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/08/17 02:58	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/08/17 02:58	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/08/17 02:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/08/17 02:58	108-10-1	
Styrene	ND	ug/L	5.0	1		09/08/17 02:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/08/17 02:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/08/17 02:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/08/17 02:58	127-18-4	
Toluene	ND	ug/L	5.0	1		09/08/17 02:58	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/08/17 02:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/08/17 02:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/08/17 02:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/08/17 02:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/08/17 02:58	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/08/17 02:58	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/08/17 02:58	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/08/17 02:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	86-116	1		09/08/17 02:58	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	84-113	1		09/08/17 02:58	460-00-4	
Toluene-d8 (S)	103	%.	86-111	1		09/08/17 02:58	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**731**	mg/L	10.0	1		09/01/17 10:55		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**47.1**	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:10		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.056**	mg/L	0.050	1	09/07/17 11:00	09/07/17 14:01	7723-14-0	

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(317)228-3100

ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-106-SD **Lab ID: 50178859002** Collected: 08/29/17 10:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**22.3**	mg/L	0.50	5		09/12/17 16:41	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**15.0**	mg/L	4.0	4		09/13/17 22:58	7440-44-0	

Sample: PZ-106-SS **Lab ID: 50178859003** Collected: 08/29/17 11:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.84**	Std. Units		1		08/29/17 11:26		
Field Temperature	**23.4**	deg C		1		08/29/17 11:26		
Field Specific Conductance	**1026**	umhos/cm		1		08/29/17 11:26		
Field Oxidation Potential	**-143**	mV		1		08/29/17 11:26		
Oxygen, Dissolved	**0.19**	mg/L		1		08/29/17 11:26	7782-44-7	
Field Turbidity	**7.23**	NTU		1		08/29/17 11:26		
Total Well Depth	**NA**	feet		1		08/29/17 11:26		
Elevation Water Level	**448.45**	ft/msl		1		08/29/17 11:26		
Collar Elevation	**462.71**	ft/msl		1		08/29/17 11:26		
Depth to Water	**14.26**	feet		1		08/29/17 11:26		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**50.7**	mg/L	2.5	10		09/12/17 01:31	16887-00-6	
Fluoride	**1.8**	mg/L	0.10	1		09/12/17 01:12	16984-48-8	
Sulfate	**45.0**	mg/L	2.5	10		09/12/17 01:31	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**183**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:10	7440-39-3	
Boron	ND	ug/L	100	1	09/06/17 11:34	09/12/17 10:10	7440-42-8	
Calcium	**107000**	ug/L	500	1	09/06/17 11:34	09/12/17 10:10	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:10	7440-48-4	
Iron	**2510**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:10	7439-89-6	
Magnesium	**52700**	ug/L	500	1	09/06/17 11:34	09/12/17 10:10	7439-95-4	
Manganese	**16.0**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:10	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:10	7440-02-0	
Sodium	**35300**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:10	7440-23-5	
Total Hardness by 2340B	**484000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:10		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:10	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:16	7440-36-0	
Arsenic	**5.7**	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:16	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:16	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:16	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:16	7440-47-3	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-106-SS **Lab ID: 50178859003** Collected: 08/29/17 11:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:16	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:16	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:16	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:16	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:16	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:16	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:06	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/07/17 18:40	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/07/17 18:40	107-13-1	
Benzene	ND	ug/L	5.0	1		09/07/17 18:40	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/07/17 18:40	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/07/17 18:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/07/17 18:40	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/07/17 18:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/07/17 18:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/07/17 18:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/07/17 18:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/07/17 18:40	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/07/17 18:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/07/17 18:40	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/07/17 18:40	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/07/17 18:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/07/17 18:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/07/17 18:40	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/07/17 18:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/07/17 18:40	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/07/17 18:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/07/17 18:40	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/07/17 18:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/07/17 18:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/07/17 18:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/07/17 18:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/07/17 18:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/07/17 18:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/07/17 18:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/07/17 18:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/07/17 18:40	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/07/17 18:40	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/07/17 18:40	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/07/17 18:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/07/17 18:40	108-10-1	
Styrene	ND	ug/L	5.0	1		09/07/17 18:40	100-42-5	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-106-SS **Lab ID: 50178859003** Collected: 08/29/17 11:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/07/17 18:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/07/17 18:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/07/17 18:40	127-18-4	
Toluene	ND	ug/L	5.0	1		09/07/17 18:40	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/07/17 18:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/07/17 18:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/07/17 18:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/07/17 18:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/07/17 18:40	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/07/17 18:40	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/07/17 18:40	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/07/17 18:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	86-116	1		09/07/17 18:40	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	84-113	1		09/07/17 18:40	460-00-4	
Toluene-d8 (S)	99	%.	86-111	1		09/07/17 18:40	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**581**	mg/L	10.0	1		09/01/17 10:55		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**21.0**	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:12		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/07/17 11:00	09/07/17 14:01	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.21**	mg/L	0.10	1		09/12/17 16:38	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**7.7**	mg/L	4.0	4		09/13/17 23:21	7440-44-0	

Sample: PZ-115-SS **Lab ID: 50178859004** Collected: 08/29/17 13:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.57**	Std. Units		1		08/29/17 13:26		
Field Temperature	**16.9**	deg C		1		08/29/17 13:26		
Field Specific Conductance	**2350**	umhos/cm		1		08/29/17 13:26		
Field Oxidation Potential	**-79**	mV		1		08/29/17 13:26		
Oxygen, Dissolved	**0.70**	mg/L		1		08/29/17 13:26	7782-44-7	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-115-SS **Lab ID: 50178859004** Collected: 08/29/17 13:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field Turbidity	**12.61**	NTU		1		08/29/17 13:26		
Total Well Depth	**81.09**	feet		1		08/29/17 13:26		
Elevation Water Level	**438.13**	ft/msl		1		08/29/17 13:26		
Collar Elevation	**452.27**	ft/msl		1		08/29/17 13:26		
Depth to Water	**14.14**	feet		1		08/29/17 13:26		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**495**	mg/L	25.0	100		09/12/17 02:29	16887-00-6	
Fluoride	**0.54**	mg/L	0.10	1		09/12/17 01:51	16984-48-8	
Sulfate	**4.0**	mg/L	0.25	1		09/12/17 01:51	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**486**	ug/L	10.0	1	09/06/17 11:34	09/12/17 09:21	7440-39-3	
Boron	**443**	ug/L	100	1	09/06/17 11:34	09/12/17 09:21	7440-42-8	
Calcium	**224000**	ug/L	5000	10	09/06/17 11:34	09/12/17 13:43	7440-70-2	
Cobalt	**27.2**	ug/L	5.0	1	09/06/17 11:34	09/12/17 09:21	7440-48-4	
Iron	**3580**	ug/L	50.0	1	09/06/17 11:34	09/12/17 09:21	7439-89-6	
Magnesium	**105000**	ug/L	5000	10	09/06/17 11:34	09/12/17 13:43	7439-95-4	
Manganese	**75.6**	ug/L	5.0	1	09/06/17 11:34	09/12/17 09:21	7439-96-5	
Nickel	**68.4**	ug/L	10.0	1	09/06/17 11:34	09/12/17 09:21	7440-02-0	
Sodium	**167000**	ug/L	1000	1	09/06/17 11:34	09/12/17 09:21	7440-23-5	
Total Hardness by 2340B	**992000**	ug/L	10000	10	09/06/17 11:34	09/12/17 13:43		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 09:21	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:20	7440-36-0	
Arsenic	**7.0**	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:20	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:20	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:20	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:20	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:20	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:20	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:20	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:20	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:20	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:20	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:08	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/07/17 19:08	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/07/17 19:08	107-13-1	
Benzene	ND	ug/L	5.0	1		09/07/17 19:08	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/07/17 19:08	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/07/17 19:08	75-27-4	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-115-SS **Lab ID: 50178859004** Collected: 08/29/17 13:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Bromoform	ND	ug/L	5.0	1		09/07/17 19:08	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/07/17 19:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/07/17 19:08	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/07/17 19:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/07/17 19:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/07/17 19:08	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/07/17 19:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/07/17 19:08	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/07/17 19:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/07/17 19:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/07/17 19:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/07/17 19:08	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/07/17 19:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/07/17 19:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/07/17 19:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/07/17 19:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/07/17 19:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/07/17 19:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/07/17 19:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/07/17 19:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/07/17 19:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/07/17 19:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/07/17 19:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/07/17 19:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/07/17 19:08	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/07/17 19:08	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/07/17 19:08	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/07/17 19:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/07/17 19:08	108-10-1	
Styrene	ND	ug/L	5.0	1		09/07/17 19:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/07/17 19:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/07/17 19:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/07/17 19:08	127-18-4	
Toluene	ND	ug/L	5.0	1		09/07/17 19:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/07/17 19:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/07/17 19:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/07/17 19:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/07/17 19:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/07/17 19:08	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/07/17 19:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/07/17 19:08	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/07/17 19:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	86-116	1		09/07/17 19:08	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	84-113	1		09/07/17 19:08	460-00-4	
Toluene-d8 (S)	97	%.	86-111	1		09/07/17 19:08	2037-26-5	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-115-SS **Lab ID: 50178859004** Collected: 08/29/17 13:26 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1510**	mg/L	10.0	1		09/01/17 08:25		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**33.2**	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:14		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.28**	mg/L	0.050	1	09/07/17 11:00	09/07/17 14:03	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**1.2**	mg/L	0.10	1		09/12/17 16:27	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**11.4**	mg/L	4.0	4		09/15/17 01:21	7440-44-0	

Sample: PZ-114-AS **Lab ID: 50178859005** Collected: 08/29/17 13:58 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.46**	Std. Units		1		08/29/17 13:58		
Field Temperature	**17.4**	deg C		1		08/29/17 13:58		
Field Specific Conductance	**2280**	umhos/cm		1		08/29/17 13:58		
Field Oxidation Potential	**-138**	mV		1		08/29/17 13:58		
Oxygen, Dissolved	**0.14**	mg/L		1		08/29/17 13:58	7782-44-7	
Field Turbidity	**10.11**	NTU		1		08/29/17 13:58		
Total Well Depth	**26.35**	feet		1		08/29/17 13:58		
Elevation Water Level	**432.74**	ft/msl		1		08/29/17 13:58		
Collar Elevation	**451.26**	ft/msl		1		08/29/17 13:58		
Depth to Water	**18.52**	feet		1		08/29/17 13:58		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**308**	mg/L	25.0	100		09/12/17 04:06	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	1		09/12/17 03:27	16984-48-8	
Sulfate	**4.5**	mg/L	0.25	1		09/12/17 03:27	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**1140**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:12	7440-39-3	
Boron	**374**	ug/L	100	1	09/06/17 11:34	09/12/17 10:12	7440-42-8	
Calcium	**224000**	ug/L	5000	10	09/06/17 11:34	09/12/17 13:45	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:12	7440-48-4	
Iron	**75500**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:12	7439-89-6	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-114-AS **Lab ID: 50178859005** Collected: 08/29/17 13:58 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Magnesium	**59600**	ug/L	500	1	09/06/17 11:34	09/12/17 10:12	7439-95-4	
Manganese	**4310**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:12	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:12	7440-02-0	
Sodium	**138000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:12	7440-23-5	
Total Hardness by 2340B	**804000**	ug/L	10000	10	09/06/17 11:34	09/12/17 13:45		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:39	7440-36-0	
Arsenic	**73.5**	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:39	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:39	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:39	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:39	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:39	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:39	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:39	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:39	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:39	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:39	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 14:20	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 14:20	107-13-1	
Benzene	**23.0**	ug/L	5.0	1		09/11/17 14:20	71-43-2	M1
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 14:20	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 14:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 14:20	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 14:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 14:20	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 14:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 14:20	56-23-5	
Chlorobenzene	**92.7**	ug/L	5.0	1		09/11/17 14:20	108-90-7	M1
Chloroethane	ND	ug/L	10.0	1		09/11/17 14:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 14:20	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 14:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 14:20	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 14:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 14:20	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 14:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 14:20	95-50-1	
1,4-Dichlorobenzene	**5.6**	ug/L	5.0	1		09/11/17 14:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 14:20	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 14:20	75-34-3	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-114-AS **Lab ID: 50178859005** Collected: 08/29/17 13:58 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 14:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 14:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 14:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 14:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 14:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 14:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 14:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 14:20	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 14:20	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 14:20	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 14:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 14:20	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 14:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 14:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 14:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 14:20	127-18-4	
Toluene	ND	ug/L	5.0	1		09/11/17 14:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 14:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 14:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 14:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 14:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 14:20	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 14:20	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 14:20	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 14:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	86-116	1		09/11/17 14:20	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	84-113	1		09/11/17 14:20	460-00-4	
Toluene-d8 (S)	100	%.	86-111	1		09/11/17 14:20	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1300**	mg/L	10.0	1		09/01/17 08:26		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**49.4**	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.20	2		09/01/17 16:30		D3
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**2.0**	mg/L	0.25	5	09/12/17 10:48	09/12/17 16:20	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**6.8**	mg/L	0.10	1		09/12/17 16:30	7664-41-7	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-114-AS **Lab ID: 50178859005** Collected: 08/29/17 13:58 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**14.3**	mg/L	4.0	4		09/13/17 23:44	7440-44-0	

Sample: PZ-100-SD **Lab ID: 50178859006** Collected: 08/29/17 15:07 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.13**	Std. Units		1		08/29/17 15:07		
Field Temperature	**17.0**	deg C		1		08/29/17 15:07		
Field Specific Conductance	**600**	umhos/cm		1		08/29/17 15:07		
Field Oxidation Potential	**-95**	mV		1		08/29/17 15:07		
Oxygen, Dissolved	**0.30**	mg/L		1		08/29/17 15:07	7782-44-7	
Field Turbidity	**8.89**	NTU		1		08/29/17 15:07		
Total Well Depth	**96.24**	feet		1		08/29/17 15:07		
Elevation Water Level	**455.15**	ft/msl		1		08/29/17 15:07		
Collar Elevation	**485.72**	ft/msl		1		08/29/17 15:07		
Depth to Water	**30.57**	feet		1		08/29/17 15:07		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**1.8**	mg/L	0.25	1		09/12/17 04:25	16887-00-6	
Fluoride	**2.1**	mg/L	0.10	1		09/12/17 04:25	16984-48-8	
Sulfate	**9.4**	mg/L	0.25	1		09/12/17 04:25	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**309**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:14	7440-39-3	
Boron	ND	ug/L	100	1	09/06/17 11:34	09/12/17 10:14	7440-42-8	
Calcium	**75200**	ug/L	500	1	09/06/17 11:34	09/12/17 10:14	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:14	7440-48-4	
Iron	**514**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:14	7439-89-6	
Magnesium	**34600**	ug/L	500	1	09/06/17 11:34	09/12/17 10:14	7439-95-4	
Manganese	**42.8**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:14	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:14	7440-02-0	
Sodium	**6950**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:14	7440-23-5	
Total Hardness by 2340B	**330000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:14		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:14	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:44	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:44	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:44	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:44	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:44	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:44	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:44	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:44	7782-49-2	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-100-SD **Lab ID: 50178859006** Collected: 08/29/17 15:07 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:44	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:44	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:44	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 21:34	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 21:34	107-13-1	
Benzene	ND	ug/L	5.0	1		09/11/17 21:34	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 21:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 21:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 21:34	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 21:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 21:34	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 21:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 21:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 21:34	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 21:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 21:34	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 21:34	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 21:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 21:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 21:34	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 21:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 21:34	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 21:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 21:34	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 21:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 21:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 21:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 21:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 21:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 21:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 21:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 21:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 21:34	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 21:34	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 21:34	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 21:34	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 21:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 21:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 21:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 21:34	127-18-4	L1

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-100-SD **Lab ID: 50178859006** Collected: 08/29/17 15:07 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Toluene	ND	ug/L	5.0	1		09/11/17 21:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 21:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 21:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 21:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 21:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 21:34	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 21:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 21:34	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 21:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	86-116	1		09/11/17 21:34	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	84-113	1		09/11/17 21:34	460-00-4	
Toluene-d8 (S)	99	%.	86-111	1		09/11/17 21:34	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**315**	mg/L	10.0	1		09/01/17 08:26		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:17		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:40	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.27**	mg/L	0.10	1		09/12/17 16:31	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.2**	mg/L	1.0	1		09/14/17 22:24	7440-44-0	

Sample: PZ-100-SS **Lab ID: 50178859007** Collected: 08/29/17 15:44 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.01**	Std. Units		1		08/29/17 15:44		
Field Temperature	**17.6**	deg C		1		08/29/17 15:44		
Field Specific Conductance	**772**	umhos/cm		1		08/29/17 15:44		
Field Oxidation Potential	**0**	mV		1		08/29/17 15:44		
Oxygen, Dissolved	**2.54**	mg/L		1		08/29/17 15:44	7782-44-7	
Field Turbidity	**7.09**	NTU		1		08/29/17 15:44		
Total Well Depth	**89.31**	feet		1		08/29/17 15:44		
Elevation Water Level	**456.51**	ft/msl		1		08/29/17 15:44		

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(317)228-3100

ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-100-SS **Lab ID: 50178859007** Collected: 08/29/17 15:44 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Collar Elevation	**485.75**	ft/msl		1		08/29/17 15:44		
Depth to Water	**29.24**	feet		1		08/29/17 15:44		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**4.8**	mg/L	0.25	1		09/12/17 04:44	16887-00-6	
Fluoride	**0.59**	mg/L	0.10	1		09/12/17 04:44	16984-48-8	
Sulfate	**33.8**	mg/L	2.5	10		09/12/17 05:04	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**66.1**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:16	7440-39-3	
Boron	**116**	ug/L	100	1	09/06/17 11:34	09/12/17 10:16	7440-42-8	
Calcium	**90900**	ug/L	500	1	09/06/17 11:34	09/12/17 10:16	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:16	7440-48-4	
Iron	ND	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:16	7439-89-6	
Magnesium	**51300**	ug/L	500	1	09/06/17 11:34	09/12/17 10:16	7439-95-4	
Manganese	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:16	7439-96-5	
Nickel	**10.5**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:16	7440-02-0	
Sodium	**10000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:16	7440-23-5	
Total Hardness by 2340B	**438000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:16		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:48	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:48	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:48	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:48	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:48	7440-47-3	
Copper	**5.1**	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:48	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:48	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:48	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:48	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:48	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:48	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:19	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 22:08	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 22:08	107-13-1	
Benzene	ND	ug/L	5.0	1		09/11/17 22:08	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 22:08	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 22:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 22:08	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 22:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 22:08	78-93-3	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-100-SS **Lab ID: 50178859007** Collected: 08/29/17 15:44 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 22:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 22:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 22:08	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 22:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 22:08	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 22:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 22:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 22:08	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 22:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 22:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 22:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 22:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 22:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 22:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 22:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 22:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 22:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 22:08	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 22:08	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 22:08	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 22:08	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 22:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 22:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 22:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 22:08	127-18-4	L1
Toluene	ND	ug/L	5.0	1		09/11/17 22:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 22:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 22:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 22:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 22:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 22:08	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 22:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 22:08	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 22:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	86-116	1		09/11/17 22:08	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	84-113	1		09/11/17 22:08	460-00-4	
Toluene-d8 (S)	97	%.	86-111	1		09/11/17 22:08	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**433**	mg/L	10.0	1		09/01/17 08:26		

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-100-SS **Lab ID: 50178859007** Collected: 08/29/17 15:44 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:18		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:40	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		09/14/17 13:52	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.3**	mg/L	1.0	1		09/14/17 22:47	7440-44-0	

Sample: PZ-111-SD **Lab ID: 50178859008** Collected: 08/29/17 17:02 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.08**	Std. Units		1		08/29/17 17:02		
Field Temperature	**18.4**	deg C		1		08/29/17 17:02		
Field Specific Conductance	**803**	umhos/cm		1		08/29/17 17:02		
Field Oxidation Potential	**-86**	mV		1		08/29/17 17:02		
Oxygen, Dissolved	**1.73**	mg/L		1		08/29/17 17:02	7782-44-7	
Field Turbidity	**4.58**	NTU		1		08/29/17 17:02		
Total Well Depth	**NA**	feet		1		08/29/17 17:02		
Elevation Water Level	**433.03**	ft/msl		1		08/29/17 17:02		
Collar Elevation	**466.46**	ft/msl		1		08/29/17 17:02		
Depth to Water	**33.43**	feet		1		08/29/17 17:02		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**11.5**	mg/L	0.25	1		09/12/17 05:23	16887-00-6	
Fluoride	**2.0**	mg/L	0.10	1		09/12/17 05:23	16984-48-8	
Sulfate	**43.8**	mg/L	2.5	10		09/12/17 05:42	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**101**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:18	7440-39-3	
Boron	ND	ug/L	100	1	09/06/17 11:34	09/12/17 10:18	7440-42-8	
Calcium	**87000**	ug/L	500	1	09/06/17 11:34	09/12/17 10:18	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:18	7440-48-4	
Iron	**959**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:18	7439-89-6	
Magnesium	**50700**	ug/L	500	1	09/06/17 11:34	09/12/17 10:18	7439-95-4	
Manganese	**9.9**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:18	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:18	7440-02-0	
Sodium	**17500**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:18	7440-23-5	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-111-SD **Lab ID: 50178859008** Collected: 08/29/17 17:02 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Total Hardness by 2340B	**426000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:18		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:18	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:53	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:53	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:53	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:53	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:53	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:53	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:53	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:53	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:53	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:53	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:53	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:21	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 22:43	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 22:43	107-13-1	
Benzene	ND	ug/L	5.0	1		09/11/17 22:43	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 22:43	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 22:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 22:43	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 22:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 22:43	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 22:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 22:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 22:43	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 22:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 22:43	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 22:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 22:43	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 22:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 22:43	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 22:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 22:43	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 22:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 22:43	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 22:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 22:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 22:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 22:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 22:43	156-60-5	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-111-SD **Lab ID: 50178859008** Collected: 08/29/17 17:02 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 22:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 22:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 22:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 22:43	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 22:43	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 22:43	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 22:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 22:43	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 22:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 22:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 22:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 22:43	127-18-4	L1
Toluene	ND	ug/L	5.0	1		09/11/17 22:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 22:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 22:43	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 22:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 22:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 22:43	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 22:43	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 22:43	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 22:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	86-116	1		09/11/17 22:43	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	84-113	1		09/11/17 22:43	460-00-4	
Toluene-d8 (S)	100	%.	86-111	1		09/11/17 22:43	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**444**	mg/L	10.0	1		09/01/17 08:27		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:20		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:41	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		09/14/17 13:55	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.3**	mg/L	1.0	1		09/14/17 23:18	7440-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-105-SS **Lab ID: 50178859009** Collected: 08/29/17 18:32 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.02**	Std. Units		1		08/29/17 18:32		
Field Temperature	**21.4**	deg C		1		08/29/17 18:32		
Field Specific Conductance	**1053**	umhos/cm		1		08/29/17 18:32		
Field Oxidation Potential	**-102**	mV		1		08/29/17 18:32		
Oxygen, Dissolved	**1.61**	mg/L		1		08/29/17 18:32	7782-44-7	
Field Turbidity	**8.49**	NTU		1		08/29/17 18:32		
Total Well Depth	**144.98**	feet		1		08/29/17 18:32		
Elevation Water Level	**460.19**	ft/msl		1		08/29/17 18:32		
Collar Elevation	**483.51**	ft/msl		1		08/29/17 18:32		
Depth to Water	**23.32**	feet		1		08/29/17 18:32		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**74.8**	mg/L	2.5	10		09/12/17 06:21	16887-00-6	
Fluoride	**0.57**	mg/L	0.10	1		09/12/17 06:02	16984-48-8	
Sulfate	**46.3**	mg/L	2.5	10		09/12/17 06:21	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**174**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:20	7440-39-3	
Boron	ND	ug/L	100	1	09/06/17 11:34	09/12/17 10:20	7440-42-8	
Calcium	**104000**	ug/L	500	1	09/06/17 11:34	09/12/17 10:20	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:20	7440-48-4	
Iron	**2450**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:20	7439-89-6	
Magnesium	**55200**	ug/L	500	1	09/06/17 11:34	09/12/17 10:20	7439-95-4	
Manganese	**82.0**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:20	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:20	7440-02-0	
Sodium	**41200**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:20	7440-23-5	
Total Hardness by 2340B	**487000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:20		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:07	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:07	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:07	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 01:07	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:07	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:07	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:07	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:07	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:07	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:07	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 01:07	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:23	7439-97-6	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-105-SS **Lab ID: 50178859009** Collected: 08/29/17 18:32 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 23:18	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 23:18	107-13-1	
Benzene	ND	ug/L	5.0	1		09/11/17 23:18	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 23:18	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 23:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 23:18	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 23:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 23:18	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 23:18	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 23:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 23:18	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 23:18	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 23:18	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 23:18	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 23:18	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 23:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 23:18	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 23:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 23:18	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 23:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 23:18	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 23:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 23:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 23:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 23:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 23:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 23:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 23:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 23:18	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 23:18	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 23:18	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 23:18	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 23:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 23:18	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 23:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 23:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 23:18	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 23:18	127-18-4	L1
Toluene	ND	ug/L	5.0	1		09/11/17 23:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 23:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 23:18	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 23:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 23:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 23:18	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 23:18	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 23:18	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 23:18	1330-20-7	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-105-SS **Lab ID: 50178859009** Collected: 08/29/17 18:32 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	101	%.	86-116	1		09/11/17 23:18	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	84-113	1		09/11/17 23:18	460-00-4	
Toluene-d8 (S)	98	%.	86-111	1		09/11/17 23:18	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**593**	mg/L	10.0	1		09/01/17 08:27		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:22		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:42	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		09/14/17 13:56	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**3.4**	mg/L	1.0	1		09/14/17 23:49	7440-44-0	

Sample: FB@PZ-104-SD **Lab ID: 50178859010** Collected: 08/30/17 08:25 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	ND	mg/L	0.25	1		09/12/17 07:19	16887-00-6	
Fluoride	ND	mg/L	0.10	1		09/12/17 07:19	16984-48-8	
Sulfate	ND	mg/L	0.25	1		09/12/17 07:19	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:23	7440-39-3	
Boron	ND	ug/L	100	1	09/06/17 11:34	09/12/17 10:23	7440-42-8	
Calcium	ND	ug/L	500	1	09/06/17 11:34	09/12/17 10:23	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:23	7440-48-4	
Iron	ND	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:23	7439-89-6	
Magnesium	ND	ug/L	500	1	09/06/17 11:34	09/12/17 10:23	7439-95-4	
Manganese	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:23	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:23	7440-02-0	
Sodium	ND	ug/L	1000	1	09/06/17 11:34	09/12/17 10:23	7440-23-5	
Total Hardness by 2340B	ND	ug/L	1000	1	09/06/17 11:34	09/12/17 10:23		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:23	7440-66-6	

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(317)228-3100

ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: FB@PZ-104-SD **Lab ID: 50178859010** Collected: 08/30/17 08:25 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:34	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:34	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:34	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 00:34	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:34	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:34	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:34	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:34	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 00:34	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 00:34	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 00:34	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:25	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 16:05	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 16:05	107-13-1	
Benzene	ND	ug/L	5.0	1		09/11/17 16:05	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 16:05	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 16:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 16:05	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 16:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 16:05	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 16:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 16:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 16:05	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 16:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 16:05	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 16:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 16:05	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 16:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 16:05	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 16:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 16:05	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 16:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 16:05	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 16:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 16:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 16:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 16:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 16:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 16:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 16:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 16:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 16:05	100-41-4	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: FB@PZ-104-SD **Lab ID: 50178859010** Collected: 08/30/17 08:25 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	10.0	1		09/11/17 16:05	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 16:05	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 16:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 16:05	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 16:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 16:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 16:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 16:05	127-18-4	
Toluene	ND	ug/L	5.0	1		09/11/17 16:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 16:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 16:05	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 16:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 16:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 16:05	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 16:05	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 16:05	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 16:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	86-116	1		09/11/17 16:05	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	84-113	1		09/11/17 16:05	460-00-4	
Toluene-d8 (S)	102	%.	86-111	1		09/11/17 16:05	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	1		09/02/17 11:46		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:23		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:42	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		09/14/17 13:57	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		09/15/17 00:57	7440-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-104-SD **Lab ID: 50178859011** Collected: 08/30/17 09:30 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.79**	Std. Units		1		08/30/17 09:30		
Field Temperature	**26.9**	deg C		1		08/30/17 09:30		
Field Specific Conductance	**2000**	umhos/cm		1		08/30/17 09:30		
Field Oxidation Potential	**-133**	mV		1		08/30/17 09:30		
Oxygen, Dissolved	**1.22**	mg/L		1		08/30/17 09:30	7782-44-7	
Field Turbidity	**5.00**	NTU		1		08/30/17 09:30		
Total Well Depth	**120.59**	feet		1		08/30/17 09:30		
Elevation Water Level	**462.10**	ft/msl		1		08/30/17 09:30		
Collar Elevation	**483.51**	ft/msl		1		08/30/17 09:30		
Depth to Water	**21.41**	feet		1		08/30/17 09:30		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**201**	mg/L	25.0	100		09/12/17 09:34	16887-00-6	
Fluoride	**1.1**	mg/L	0.10	1		09/12/17 07:38	16984-48-8	
Sulfate	**4.2**	mg/L	0.25	1		09/12/17 07:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**592**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:38	7440-39-3	
Boron	**841**	ug/L	100	1	09/06/17 11:34	09/12/17 10:38	7440-42-8	
Calcium	**94700**	ug/L	500	1	09/06/17 11:34	09/12/17 10:38	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:38	7440-48-4	
Iron	**9400**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:38	7439-89-6	
Magnesium	**57800**	ug/L	500	1	09/06/17 11:34	09/12/17 10:38	7439-95-4	
Manganese	**112**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:38	7439-96-5	
Nickel	**50.2**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:38	7440-02-0	
Sodium	**132000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:38	7440-23-5	
Total Hardness by 2340B	**475000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:38		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:40	7440-36-0	
Arsenic	**16.3**	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:40	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:40	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 01:40	7440-43-9	
Chromium	**9.1**	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:40	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:40	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:40	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:40	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:40	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:40	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 01:40	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:28	7439-97-6	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-104-SD **Lab ID: 50178859011** Collected: 08/30/17 09:30 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 16:39	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 16:39	107-13-1	
Benzene	**327**	ug/L	50.0	10		09/12/17 17:37	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 16:39	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 16:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 16:39	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 16:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 16:39	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 16:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 16:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 16:39	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 16:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 16:39	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 16:39	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 16:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 16:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 16:39	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 16:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 16:39	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 16:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 16:39	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 16:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 16:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 16:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 16:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 16:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 16:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 16:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 16:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 16:39	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 16:39	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 16:39	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 16:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 16:39	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 16:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 16:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 16:39	127-18-4	
Toluene	**9.5**	ug/L	5.0	1		09/11/17 16:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 16:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 16:39	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 16:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 16:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 16:39	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 16:39	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 16:39	75-01-4	
Xylene (Total)	**21.3**	ug/L	5.0	1		09/11/17 16:39	1330-20-7	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-104-SD **Lab ID: 50178859011** Collected: 08/30/17 09:30 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	104	%.	86-116	1		09/11/17 16:39	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	84-113	1		09/11/17 16:39	460-00-4	
Toluene-d8 (S)	98	%.	86-111	1		09/11/17 16:39	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**872**	mg/L	10.0	1		09/02/17 11:46		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**150**	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:30		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.13**	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:44	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**39.7**	mg/L	0.50	5		09/14/17 14:36	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**51.1**	mg/L	4.0	4		09/15/17 02:31	7440-44-0	

Sample: PZ-104-SD DUP **Lab ID: 50178859012** Collected: 08/30/17 09:30 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**206**	mg/L	25.0	100		09/12/17 15:02	16887-00-6	
Fluoride	**1.0**	mg/L	0.10	1		09/12/17 14:23	16984-48-8	
Sulfate	**4.3**	mg/L	0.25	1		09/12/17 14:23	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**602**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:41	7440-39-3	
Boron	**851**	ug/L	100	1	09/06/17 11:34	09/12/17 10:41	7440-42-8	
Calcium	**94300**	ug/L	500	1	09/06/17 11:34	09/12/17 10:41	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:41	7440-48-4	
Iron	**9390**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:41	7439-89-6	
Magnesium	**57600**	ug/L	500	1	09/06/17 11:34	09/12/17 10:41	7439-95-4	
Manganese	**111**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:41	7439-96-5	
Nickel	**50.0**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:41	7440-02-0	
Sodium	**133000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:41	7440-23-5	
Total Hardness by 2340B	**473000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:41		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:41	7440-66-6	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-104-SD DUP **Lab ID: 50178859012** Collected: 08/30/17 09:30 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:44	7440-36-0	
Arsenic	**16.5**	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:44	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:44	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 01:44	7440-43-9	
Chromium	**9.3**	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:44	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:44	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:44	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:44	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:44	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:44	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 01:44	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:30	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 17:14	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 17:14	107-13-1	
Benzene	**346**	ug/L	50.0	10		09/13/17 16:06	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 17:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 17:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 17:14	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 17:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 17:14	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 17:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 17:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 17:14	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 17:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 17:14	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 17:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 17:14	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 17:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 17:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 17:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 17:14	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 17:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 17:14	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 17:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 17:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 17:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 17:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 17:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 17:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 17:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 17:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 17:14	100-41-4	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-104-SD DUP **Lab ID: 50178859012** Collected: 08/30/17 09:30 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	10.0	1		09/11/17 17:14	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 17:14	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 17:14	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 17:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 17:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 17:14	127-18-4	
Toluene	**9.7**	ug/L	5.0	1		09/11/17 17:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 17:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 17:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 17:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 17:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 17:14	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 17:14	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 17:14	75-01-4	
Xylene (Total)	**21.4**	ug/L	5.0	1		09/11/17 17:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	86-116	1		09/11/17 17:14	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	84-113	1		09/11/17 17:14	460-00-4	
Toluene-d8 (S)	99	%.	86-111	1		09/11/17 17:14	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**874**	mg/L	10.0	1		09/02/17 11:47		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**149**	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:31		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.13**	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:44	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**36.8**	mg/L	0.50	5		09/14/17 14:37	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**51.5**	mg/L	4.0	4		09/15/17 02:55	7440-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-104-SS **Lab ID: 50178859013** Collected: 08/30/17 10:36 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.63**	Std. Units		1		08/30/17 10:36		
Field Temperature	**27.4**	deg C		1		08/30/17 10:36		
Field Specific Conductance	**803**	umhos/cm		1		08/30/17 10:36		
Field Oxidation Potential	**-162**	mV		1		08/30/17 10:36		
Oxygen, Dissolved	**0.49**	mg/L		1		08/30/17 10:36	7782-44-7	
Field Turbidity	**13.82**	NTU		1		08/30/17 10:36		
Total Well Depth	**140.59**	feet		1		08/30/17 10:36		
Elevation Water Level	**463.21**	ft/msl		1		08/30/17 10:36		
Collar Elevation	**483.45**	ft/msl		1		08/30/17 10:36		
Depth to Water	**20.24**	feet		1		08/30/17 10:36		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**4.2**	mg/L	0.25	1		09/12/17 15:21	16887-00-6	
Fluoride	**0.74**	mg/L	0.10	1		09/12/17 15:21	16984-48-8	
Sulfate	**19.6**	mg/L	0.25	1		09/12/17 15:21	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**102**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:43	7440-39-3	
Boron	**140**	ug/L	100	1	09/06/17 11:34	09/12/17 10:43	7440-42-8	
Calcium	**83000**	ug/L	500	1	09/06/17 11:34	09/12/17 10:43	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:43	7440-48-4	
Iron	**161**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:43	7439-89-6	
Magnesium	**49000**	ug/L	500	1	09/06/17 11:34	09/12/17 10:43	7439-95-4	
Manganese	**24.2**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:43	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:43	7440-02-0	
Sodium	**14400**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:43	7440-23-5	
Total Hardness by 2340B	**409000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:43		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:12	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:12	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:12	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 01:12	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:12	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:12	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:12	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:12	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:12	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:12	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 01:12	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:32	7439-97-6	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-104-SS **Lab ID: 50178859013** Collected: 08/30/17 10:36 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 17:49	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 17:49	107-13-1	
Benzene	**33.9**	ug/L	5.0	1		09/11/17 17:49	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 17:49	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 17:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 17:49	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 17:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 17:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 17:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 17:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 17:49	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 17:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 17:49	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 17:49	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 17:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 17:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 17:49	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 17:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 17:49	95-50-1	
1,4-Dichlorobenzene	**5.4**	ug/L	5.0	1		09/11/17 17:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 17:49	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 17:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 17:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 17:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 17:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 17:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 17:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 17:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 17:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 17:49	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 17:49	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 17:49	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 17:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 17:49	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 17:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 17:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 17:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 17:49	127-18-4	
Toluene	**18.3**	ug/L	5.0	1		09/11/17 17:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 17:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 17:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 17:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 17:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 17:49	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 17:49	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 17:49	75-01-4	
Xylene (Total)	**5.3**	ug/L	5.0	1		09/11/17 17:49	1330-20-7	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-104-SS **Lab ID: 50178859013** Collected: 08/30/17 10:36 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	102	%.	86-116	1		09/11/17 17:49	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	84-113	1		09/11/17 17:49	460-00-4	
Toluene-d8 (S)	98	%.	86-111	1		09/11/17 17:49	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**417**	mg/L	10.0	1		09/02/17 11:47		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**18.8**	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:33		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:45	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		09/14/17 14:38	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.6**	mg/L	1.0	1		09/15/17 03:17	7440-44-0	

Sample: PZ-201A-SS **Lab ID: 50178859014** Collected: 08/30/17 11:47 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.10**	Std. Units		1		08/30/17 11:47		
Field Temperature	**18.5**	deg C		1		08/30/17 11:47		
Field Specific Conductance	**766**	umhos/cm		1		08/30/17 11:47		
Field Oxidation Potential	**-2**	mV		1		08/30/17 11:47		
Oxygen, Dissolved	**1.63**	mg/L		1		08/30/17 11:47	7782-44-7	
Field Turbidity	**8.74**	NTU		1		08/30/17 11:47		
Total Well Depth	**86.36**	feet		1		08/30/17 11:47		
Elevation Water Level	**468.48**	ft/msl		1		08/30/17 11:47		
Collar Elevation	**480.20**	ft/msl		1		08/30/17 11:47		
Depth to Water	**11.72**	feet		1		08/30/17 11:47		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**4.0**	mg/L	0.25	1		09/12/17 15:40	16887-00-6	
Fluoride	**0.45**	mg/L	0.10	1		09/12/17 15:40	16984-48-8	
Sulfate	**59.5**	mg/L	2.5	10		09/12/17 16:00	14808-79-8	

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(317)228-3100

ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-201A-SS **Lab ID: 50178859014** Collected: 08/30/17 11:47 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**133**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:45	7440-39-3	
Boron	ND	ug/L	100	1	09/06/17 11:34	09/12/17 10:45	7440-42-8	
Calcium	**94600**	ug/L	500	1	09/06/17 11:34	09/12/17 10:45	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:45	7440-48-4	
Iron	**87.2**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:45	7439-89-6	
Magnesium	**45900**	ug/L	500	1	09/06/17 11:34	09/12/17 10:45	7439-95-4	
Manganese	**9.1**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:45	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:45	7440-02-0	
Sodium	**10100**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:45	7440-23-5	
Total Hardness by 2340B	**425000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:45		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:45	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:16	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:16	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:16	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 01:16	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:16	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:16	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:16	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:16	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:16	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:16	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 01:16	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 18:23	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 18:23	107-13-1	
Benzene	ND	ug/L	5.0	1		09/11/17 18:23	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 18:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 18:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 18:23	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 18:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 18:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 18:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 18:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 18:23	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 18:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 18:23	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 18:23	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 18:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 18:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 18:23	106-93-4	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-201A-SS **Lab ID: 50178859014** Collected: 08/30/17 11:47 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromomethane	ND	ug/L	10.0	1		09/11/17 18:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 18:23	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 18:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 18:23	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 18:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 18:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 18:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 18:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 18:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 18:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 18:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 18:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 18:23	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 18:23	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 18:23	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 18:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 18:23	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 18:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 18:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 18:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 18:23	127-18-4	
Toluene	ND	ug/L	5.0	1		09/11/17 18:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 18:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 18:23	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 18:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 18:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 18:23	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 18:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 18:23	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 18:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	86-116	1		09/11/17 18:23	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	84-113	1		09/11/17 18:23	460-00-4	
Toluene-d8 (S)	98	%.	86-111	1		09/11/17 18:23	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**463**	mg/L	10.0	1		09/02/17 11:47		
410.4 COD	Analytical Method: EPA 410.4		Preparation Method: EPA 410.4					
Chemical Oxygen Demand	ND	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.35**	mg/L	0.10	1		09/01/17 15:35		
365.1 Total Phosphorus	Analytical Method: EPA 365.1		Preparation Method: EPA 365.1					
Phosphorus	ND	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:46	7723-14-0	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-201A-SS **Lab ID: 50178859014** Collected: 08/30/17 11:47 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		09/14/17 14:02	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.2**	mg/L	1.0	1		09/15/17 03:49	7440-44-0	

Sample: PZ-109-SS **Lab ID: 50178859015** Collected: 08/30/17 12:39 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.99**	Std. Units		1		08/30/17 12:39		
Field Temperature	**22.5**	deg C		1		08/30/17 12:39		
Field Specific Conductance	**770**	umhos/cm		1		08/30/17 12:39		
Field Oxidation Potential	**-8**	mV		1		08/30/17 12:39		
Oxygen, Dissolved	**0.89**	mg/L		1		08/30/17 12:39	7782-44-7	
Field Turbidity	**7.08**	NTU		1		08/30/17 12:39		
Total Well Depth	**130.86**	feet		1		08/30/17 12:39		
Elevation Water Level	**440.35**	ft/msl		1		08/30/17 12:39		
Collar Elevation	**460.19**	ft/msl		1		08/30/17 12:39		
Depth to Water	**19.84**	feet		1		08/30/17 12:39		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**4.0**	mg/L	0.25	1		09/12/17 16:19	16887-00-6	
Fluoride	**2.3**	mg/L	0.10	1		09/12/17 16:19	16984-48-8	
Sulfate	**22.3**	mg/L	0.25	1		09/12/17 16:19	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**59.4**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:47	7440-39-3	
Boron	**183**	ug/L	100	1	09/06/17 11:34	09/12/17 10:47	7440-42-8	
Calcium	**91600**	ug/L	500	1	09/06/17 11:34	09/12/17 10:47	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:47	7440-48-4	
Iron	ND	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:47	7439-89-6	
Magnesium	**52500**	ug/L	500	1	09/06/17 11:34	09/12/17 10:47	7439-95-4	
Manganese	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:47	7439-96-5	
Nickel	ND	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:47	7440-02-0	
Sodium	**9860**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:47	7440-23-5	
Total Hardness by 2340B	**445000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:47		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:47	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:21	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:21	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:21	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 01:21	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:21	7440-47-3	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-109-SS **Lab ID: 50178859015** Collected: 08/30/17 12:39 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:21	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:21	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:21	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:21	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:21	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 01:21	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:36	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 18:58	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 18:58	107-13-1	
Benzene	ND	ug/L	5.0	1		09/11/17 18:58	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 18:58	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 18:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 18:58	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 18:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 18:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 18:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 18:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 18:58	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 18:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 18:58	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 18:58	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 18:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 18:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 18:58	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 18:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 18:58	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 18:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 18:58	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 18:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 18:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 18:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 18:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 18:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 18:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 18:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 18:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 18:58	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 18:58	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 18:58	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 18:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 18:58	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 18:58	100-42-5	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-109-SS **Lab ID: 50178859015** Collected: 08/30/17 12:39 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 18:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 18:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 18:58	127-18-4	
Toluene	ND	ug/L	5.0	1		09/11/17 18:58	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 18:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 18:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 18:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 18:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 18:58	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 18:58	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 18:58	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 18:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	86-116	1		09/11/17 18:58	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	84-113	1		09/11/17 18:58	460-00-4	
Toluene-d8 (S)	99	%.	86-111	1		09/11/17 18:58	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**434**	mg/L	10.0	1		09/05/17 07:51		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	09/01/17 12:23	09/01/17 14:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:36		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:46	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		09/14/17 14:03	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.3**	mg/L	1.0	1		09/15/17 04:19	7440-44-0	

Sample: PZ-111-SS **Lab ID: 50178859016** Collected: 08/30/17 13:52 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.85**	Std. Units		1		08/30/17 13:52		
Field Temperature	**18.4**	deg C		1		08/30/17 13:52		
Field Specific Conductance	**1979**	umhos/cm		1		08/30/17 13:52		
Field Oxidation Potential	**-10**	mV		1		08/30/17 13:52		
Oxygen, Dissolved	**1.12**	mg/L		1		08/30/17 13:52	7782-44-7	

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(317)228-3100

ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-111-SS **Lab ID: 50178859016** Collected: 08/30/17 13:52 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field Turbidity	**36.47**	NTU		1		08/30/17 13:52		
Total Well Depth	**NA**	feet		1		08/30/17 13:52		
Elevation Water Level	**NA**	ft/msl		1		08/30/17 13:52		
Collar Elevation	**NA**	ft/msl		1		08/30/17 13:52		
Depth to Water	**NA**	feet		1		08/30/17 13:52		
9056 IC Anions	Analytical Method: EPA 9056							
Chloride	**259**	mg/L	25.0	100		09/12/17 17:17	16887-00-6	
Fluoride	**0.51**	mg/L	0.10	1		09/12/17 16:38	16984-48-8	
Sulfate	**34.5**	mg/L	2.5	10		09/12/17 16:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**611**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:49	7440-39-3	
Boron	**394**	ug/L	100	1	09/06/17 11:34	09/12/17 10:49	7440-42-8	
Calcium	**177000**	ug/L	500	1	09/06/17 11:34	09/12/17 10:49	7440-70-2	
Cobalt	ND	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:49	7440-48-4	
Iron	**1330**	ug/L	50.0	1	09/06/17 11:34	09/12/17 10:49	7439-89-6	
Magnesium	**78800**	ug/L	500	1	09/06/17 11:34	09/12/17 10:49	7439-95-4	
Manganese	**125**	ug/L	5.0	1	09/06/17 11:34	09/12/17 10:49	7439-96-5	
Nickel	**26.8**	ug/L	10.0	1	09/06/17 11:34	09/12/17 10:49	7440-02-0	
Sodium	**129000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:49	7440-23-5	
Total Hardness by 2340B	**767000**	ug/L	1000	1	09/06/17 11:34	09/12/17 10:49		
Zinc	ND	ug/L	20.0	1	09/06/17 11:34	09/12/17 10:49	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:26	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:26	7440-38-2	
Beryllium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:26	7440-41-7	
Cadmium	ND	ug/L	0.20	1	09/01/17 15:05	09/06/17 01:26	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:26	7440-47-3	
Copper	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:26	7440-50-8	
Lead	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:26	7439-92-1	
Selenium	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:26	7782-49-2	
Silver	ND	ug/L	5.0	1	09/01/17 15:05	09/06/17 01:26	7440-22-4	
Thallium	ND	ug/L	2.0	1	09/01/17 15:05	09/06/17 01:26	7440-28-0	
Vanadium	ND	ug/L	10.0	1	09/01/17 15:05	09/06/17 01:26	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/12/17 11:33	09/12/17 21:38	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/13/17 11:02	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/13/17 11:02	107-13-1	
Benzene	ND	ug/L	5.0	1		09/13/17 11:02	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/13/17 11:02	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/13/17 11:02	75-27-4	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-111-SS **Lab ID: 50178859016** Collected: 08/30/17 13:52 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Bromoform	ND	ug/L	5.0	1		09/13/17 11:02	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/13/17 11:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/13/17 11:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/13/17 11:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/13/17 11:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/13/17 11:02	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/13/17 11:02	75-00-3	L1
Chloroform	ND	ug/L	5.0	1		09/13/17 11:02	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/13/17 11:02	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/13/17 11:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/13/17 11:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/13/17 11:02	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/13/17 11:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/13/17 11:02	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/13/17 11:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/13/17 11:02	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/13/17 11:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/13/17 11:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/13/17 11:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/13/17 11:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/13/17 11:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/13/17 11:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/13/17 11:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/13/17 11:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/13/17 11:02	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/13/17 11:02	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/13/17 11:02	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/13/17 11:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/13/17 11:02	108-10-1	
Styrene	ND	ug/L	5.0	1		09/13/17 11:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/13/17 11:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/13/17 11:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/13/17 11:02	127-18-4	
Toluene	ND	ug/L	5.0	1		09/13/17 11:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/13/17 11:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/13/17 11:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/13/17 11:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/13/17 11:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/13/17 11:02	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/13/17 11:02	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/13/17 11:02	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		09/13/17 11:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	86-116	1		09/13/17 11:02	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	84-113	1		09/13/17 11:02	460-00-4	
Toluene-d8 (S)	97	%.	86-111	1		09/13/17 11:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: PZ-111-SS **Lab ID: 50178859016** Collected: 08/30/17 13:52 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1180**	mg/L	10.0	1		09/05/17 07:51		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**53.3**	mg/L	10.0	1	09/01/17 13:37	09/01/17 16:11		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		09/01/17 15:38		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.051**	mg/L	0.050	1	09/12/17 10:48	09/12/17 15:47	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**1.0**	mg/L	0.10	1		09/14/17 14:04	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**17.2**	mg/L	1.0	1		09/15/17 04:44	7440-44-0	

Sample: PZ-107-SS **Lab ID: 50178859017** Collected: 08/30/17 15:06 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.69**	Std. Units		1		08/30/17 15:06		
Field Temperature	**20.7**	deg C		1		08/30/17 15:06		
Field Specific Conductance	**2680**	umhos/cm		1		08/30/17 15:06		
Field Oxidation Potential	**-85**	mV		1		08/30/17 15:06		
Oxygen, Dissolved	**4.91**	mg/L		1		08/30/17 15:06	7782-44-7	
Field Turbidity	**11.84**	NTU		1		08/30/17 15:06		
Total Well Depth	**103.80**	feet		1		08/30/17 15:06		
Elevation Water Level	**432.89**	ft/msl		1		08/30/17 15:06		
Collar Elevation	**464.56**	ft/msl		1		08/30/17 15:06		
Depth to Water	**31.67**	feet		1		08/30/17 15:06		
8260 MSV	Analytical Method: EPA 8260							
Dichlorodifluoromethane	**24.8**	ug/L	5.0	1		09/11/17 19:33	75-71-8	
Surrogates								
Dibromofluoromethane (S)	101	%.	86-116	1		09/11/17 19:33	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	84-113	1		09/11/17 19:33	460-00-4	
Toluene-d8 (S)	100	%.	86-111	1		09/11/17 19:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: Trip Blank **Lab ID: 50178859018** Collected: 08/30/17 08:00 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		09/11/17 20:08	67-64-1	
Acrylonitrile	ND	ug/L	100	1		09/11/17 20:08	107-13-1	
Benzene	ND	ug/L	5.0	1		09/11/17 20:08	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		09/11/17 20:08	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		09/11/17 20:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/11/17 20:08	75-25-2	
Bromomethane	ND	ug/L	10.0	1		09/11/17 20:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/11/17 20:08	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		09/11/17 20:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		09/11/17 20:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/11/17 20:08	108-90-7	
Chloroethane	ND	ug/L	10.0	1		09/11/17 20:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		09/11/17 20:08	67-66-3	
Chloromethane	ND	ug/L	10.0	1		09/11/17 20:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		09/11/17 20:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		09/11/17 20:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		09/11/17 20:08	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		09/11/17 20:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 20:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/11/17 20:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		09/11/17 20:08	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		09/11/17 20:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/11/17 20:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/11/17 20:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/11/17 20:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 20:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/11/17 20:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/11/17 20:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 20:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/11/17 20:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/11/17 20:08	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		09/11/17 20:08	591-78-6	
Iodomethane	ND	ug/L	5.0	1		09/11/17 20:08	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		09/11/17 20:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/11/17 20:08	108-10-1	
Styrene	ND	ug/L	5.0	1		09/11/17 20:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 20:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/11/17 20:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/11/17 20:08	127-18-4	
Toluene	ND	ug/L	5.0	1		09/11/17 20:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/11/17 20:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/11/17 20:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/11/17 20:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		09/11/17 20:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		09/11/17 20:08	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		09/11/17 20:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		09/11/17 20:08	75-01-4	

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ANALYTICAL RESULTS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Sample: Trip Blank **Lab ID: 50178859018** Collected: 08/30/17 08:00 Received: 08/31/17 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	5.0	1		09/11/17 20:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	86-116	1		09/11/17 20:08	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	84-113	1		09/11/17 20:08	460-00-4	
Toluene-d8 (S)	103	%.	86-111	1		09/11/17 20:08	2037-26-5	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 404491 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

METHOD BLANK: 1860764 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	09/12/17 18:15	
Fluoride	mg/L	ND	0.10	09/12/17 18:15	
Sulfate	mg/L	ND	0.25	09/12/17 18:15	

LABORATORY CONTROL SAMPLE: 1860765

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	1.2	95	80-120	
Fluoride	mg/L	.5	0.51	103	80-120	
Sulfate	mg/L	2.5	2.4	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1860766 1860767

Parameter	Units	50178859011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	201	125	125	328	328	102	101	80-120	0	15	
Fluoride	mg/L	1.1	.5	.5	1.5	1.5	98	99	80-120	0	15	
Sulfate	mg/L	4.2	2.5	2.5	6.6	6.6	96	96	80-120	0	15	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 404195 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

METHOD BLANK: 1859675 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	09/12/17 20:54	

LABORATORY CONTROL SAMPLE: 1859676

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859677 1859678

Parameter	Units	50178859002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.0	3.8	79	75	75-125	5	20	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 403975 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

METHOD BLANK: 1858748 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	09/12/17 09:44	
Boron	ug/L	ND	100	09/12/17 09:44	
Calcium	ug/L	ND	500	09/12/17 09:44	
Cobalt	ug/L	ND	5.0	09/12/17 09:44	
Iron	ug/L	ND	50.0	09/12/17 09:44	
Magnesium	ug/L	ND	500	09/12/17 09:44	
Manganese	ug/L	ND	5.0	09/12/17 09:44	
Nickel	ug/L	ND	10.0	09/12/17 09:44	
Sodium	ug/L	ND	1000	09/12/17 09:44	
Total Hardness by 2340B	ug/L	ND	1000	09/12/17 09:44	
Zinc	ug/L	ND	20.0	09/12/17 09:44	

LABORATORY CONTROL SAMPLE: 1858749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	980	98	80-120	
Boron	ug/L	1000	1000	100	80-120	
Calcium	ug/L	10000	9940	99	80-120	
Cobalt	ug/L	1000	981	98	80-120	
Iron	ug/L	10000	9980	100	80-120	
Magnesium	ug/L	10000	9760	98	80-120	
Manganese	ug/L	1000	959	96	80-120	
Nickel	ug/L	1000	987	99	80-120	
Sodium	ug/L	10000	9680	97	80-120	
Total Hardness by 2340B	ug/L	66200	65000	98	80-120	
Zinc	ug/L	1000	976	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858750 1858751

Parameter	Units	50178859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	141	1000	1000	1130	1120	99	97	75-125	2	20	
Boron	ug/L	ND	1000	1000	1080	1080	103	103	75-125	0	20	
Calcium	ug/L	99100	10000	10000	109000	107000	98	77	75-125	2	20	
Cobalt	ug/L	ND	1000	1000	951	946	95	95	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858750 1858751

Parameter	Units	50178859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	294	10000	10000	10300	10200	100	99	75-125	1	20	
Magnesium	ug/L	56300	10000	10000	66000	65100	98	88	75-125	1	20	
Manganese	ug/L	ND	1000	1000	962	954	96	95	75-125	1	20	
Nickel	ug/L	ND	1000	1000	954	949	95	95	75-125	1	20	
Sodium	ug/L	15600	10000	10000	25400	25000	98	94	75-125	2	20	
Total Hardness by 2340B	ug/L	479000	66200	66200	544000	535000	98	84	75-125	2	20	
Zinc	ug/L	ND	1000	1000	962	956	96	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 403987 Analysis Method: EPA 6020
QC Batch Method: EPA 200.2 Analysis Description: 6020 MET
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

METHOD BLANK: 1858846 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	09/05/17 22:47	
Arsenic	ug/L	ND	5.0	09/05/17 22:47	
Beryllium	ug/L	ND	2.0	09/05/17 22:47	
Cadmium	ug/L	ND	0.20	09/05/17 22:47	
Chromium	ug/L	ND	5.0	09/05/17 22:47	
Copper	ug/L	ND	5.0	09/05/17 22:47	
Lead	ug/L	ND	5.0	09/05/17 22:47	
Selenium	ug/L	ND	5.0	09/05/17 22:47	
Silver	ug/L	ND	5.0	09/05/17 22:47	
Thallium	ug/L	ND	2.0	09/05/17 22:47	
Vanadium	ug/L	ND	10.0	09/05/17 22:47	

LABORATORY CONTROL SAMPLE: 1858847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.2	106	80-120	
Arsenic	ug/L	40	40.4	101	80-120	
Beryllium	ug/L	40	39.3	98	80-120	
Cadmium	ug/L	40	41.3	103	80-120	
Chromium	ug/L	40	42.0	105	80-120	
Copper	ug/L	40	40.7	102	80-120	
Lead	ug/L	40	40.5	101	80-120	
Selenium	ug/L	40	39.6	99	80-120	
Silver	ug/L	40	41.2	103	80-120	
Thallium	ug/L	40	39.6	99	80-120	
Vanadium	ug/L	40	41.5	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858848 1858849

Parameter	Units	92353624002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.7	43.8	109	109	75-125	0	20	
Arsenic	ug/L	59.5	40	40	99.8	99.1	101	99	75-125	1	20	
Beryllium	ug/L	ND	40	40	40.9	40.6	102	101	75-125	1	20	
Cadmium	ug/L	ND	40	40	41.0	40.7	102	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858848 1858849

Parameter	Units	92353624002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	ug/L	ND	40	40	40.5	40.9	101	102	75-125	1	20	
Copper	ug/L	ND	40	40	36.5	36.0	89	88	75-125	1	20	
Lead	ug/L	ND	40	40	41.4	41.4	103	103	75-125	0	20	
Selenium	ug/L	ND	40	40	38.5	38.9	96	97	75-125	1	20	
Silver	ug/L	ND	40	40	40.0	39.8	100	100	75-125	1	20	
Thallium	ug/L	ND	40	40	40.8	41.1	102	103	75-125	1	20	
Vanadium	ug/L	ND	40	40	41.4	41.1	104	103	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 404361 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004

METHOD BLANK: 1860293 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	09/07/17 17:45	
1,1,1-Trichloroethane	ug/L	ND	5.0	09/07/17 17:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	09/07/17 17:45	
1,1,2-Trichloroethane	ug/L	ND	5.0	09/07/17 17:45	
1,1-Dichloroethane	ug/L	ND	5.0	09/07/17 17:45	
1,1-Dichloroethene	ug/L	ND	5.0	09/07/17 17:45	
1,2,3-Trichloropropane	ug/L	ND	5.0	09/07/17 17:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	09/07/17 17:45	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	09/07/17 17:45	
1,2-Dichlorobenzene	ug/L	ND	5.0	09/07/17 17:45	
1,2-Dichloroethane	ug/L	ND	5.0	09/07/17 17:45	
1,2-Dichloropropane	ug/L	ND	5.0	09/07/17 17:45	
1,4-Dichlorobenzene	ug/L	ND	5.0	09/07/17 17:45	
2-Butanone (MEK)	ug/L	ND	10.0	09/07/17 17:45	
2-Hexanone	ug/L	ND	10.0	09/07/17 17:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/07/17 17:45	
Acetone	ug/L	ND	10.0	09/07/17 17:45	
Acrylonitrile	ug/L	ND	100	09/07/17 17:45	
Benzene	ug/L	ND	5.0	09/07/17 17:45	
Bromochloromethane	ug/L	ND	5.0	09/07/17 17:45	
Bromodichloromethane	ug/L	ND	5.0	09/07/17 17:45	
Bromoform	ug/L	ND	5.0	09/07/17 17:45	
Bromomethane	ug/L	ND	10.0	09/07/17 17:45	
Carbon disulfide	ug/L	ND	10.0	09/07/17 17:45	
Carbon tetrachloride	ug/L	ND	5.0	09/07/17 17:45	
Chlorobenzene	ug/L	ND	5.0	09/07/17 17:45	
Chloroethane	ug/L	ND	10.0	09/07/17 17:45	
Chloroform	ug/L	ND	5.0	09/07/17 17:45	
Chloromethane	ug/L	ND	10.0	09/07/17 17:45	
cis-1,2-Dichloroethene	ug/L	ND	5.0	09/07/17 17:45	
cis-1,3-Dichloropropene	ug/L	ND	5.0	09/07/17 17:45	
Dibromochloromethane	ug/L	ND	5.0	09/07/17 17:45	
Dibromomethane	ug/L	ND	10.0	09/07/17 17:45	
Ethylbenzene	ug/L	ND	5.0	09/07/17 17:45	
Iodomethane	ug/L	ND	5.0	09/07/17 17:45	
Methylene Chloride	ug/L	ND	5.0	09/07/17 17:45	
Styrene	ug/L	ND	5.0	09/07/17 17:45	
Tetrachloroethene	ug/L	ND	5.0	09/07/17 17:45	
Toluene	ug/L	ND	5.0	09/07/17 17:45	
trans-1,2-Dichloroethene	ug/L	ND	5.0	09/07/17 17:45	
trans-1,3-Dichloropropene	ug/L	ND	5.0	09/07/17 17:45	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

METHOD BLANK: 1860293 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	09/07/17 17:45	
Trichloroethene	ug/L	ND	5.0	09/07/17 17:45	
Trichlorofluoromethane	ug/L	ND	10.0	09/07/17 17:45	
Vinyl acetate	ug/L	ND	10.0	09/07/17 17:45	
Vinyl chloride	ug/L	ND	2.0	09/07/17 17:45	
Xylene (Total)	ug/L	ND	5.0	09/07/17 17:45	
4-Bromofluorobenzene (S)	%.	100	84-113	09/07/17 17:45	
Dibromofluoromethane (S)	%.	105	86-116	09/07/17 17:45	
Toluene-d8 (S)	%.	102	86-111	09/07/17 17:45	

LABORATORY CONTROL SAMPLE: 1860294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.4	101	80-123	
1,1,1-Trichloroethane	ug/L	50	43.9	88	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	74-124	
1,1,2-Trichloroethane	ug/L	50	49.2	98	79-121	
1,1-Dichloroethane	ug/L	50	39.7	79	77-122	
1,1-Dichloroethene	ug/L	50	46.7	93	70-131	
1,2,3-Trichloropropane	ug/L	50	52.2	104	79-128	
1,2-Dibromo-3-chloropropane	ug/L	50	52.6	105	72-124	
1,2-Dibromoethane (EDB)	ug/L	50	46.5	93	81-123	
1,2-Dichlorobenzene	ug/L	50	46.4	93	77-118	
1,2-Dichloroethane	ug/L	50	43.3	87	72-119	
1,2-Dichloropropane	ug/L	50	48.6	97	78-125	
1,4-Dichlorobenzene	ug/L	50	47.8	96	72-118	
2-Butanone (MEK)	ug/L	250	233	93	61-150	
2-Hexanone	ug/L	250	250	100	67-141	
4-Methyl-2-pentanone (MIBK)	ug/L	250	250	100	71-131	
Acetone	ug/L	250	254	101	39-166	
Acrylonitrile	ug/L	200	191	96	62-130	
Benzene	ug/L	50	43.9	88	79-120	
Bromochloromethane	ug/L	50	52.7	105	69-136	
Bromodichloromethane	ug/L	50	43.4	87	76-125	
Bromoform	ug/L	50	50.4	101	69-119	
Bromomethane	ug/L	50	42.6	85	27-161	
Carbon disulfide	ug/L	50	46.8	94	60-130	
Carbon tetrachloride	ug/L	50	45.2	90	74-132	
Chlorobenzene	ug/L	50	44.1	88	77-116	
Chloroethane	ug/L	50	48.2	96	51-132	
Chloroform	ug/L	50	40.6	81	76-118	
Chloromethane	ug/L	50	40.2	80	46-126	
cis-1,2-Dichloroethene	ug/L	50	40.4	81	74-126	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	78-125	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

LABORATORY CONTROL SAMPLE: 1860294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	46.8	94	80-123	
Dibromomethane	ug/L	50	44.4	89	75-124	
Ethylbenzene	ug/L	50	49.0	98	80-123	
Iodomethane	ug/L	100	109	109	43-156	
Methylene Chloride	ug/L	50	46.5	93	62-126	
Styrene	ug/L	50	46.4	93	81-125	
Tetrachloroethene	ug/L	50	45.3	91	74-119	
Toluene	ug/L	50	45.8	92	77-117	
trans-1,2-Dichloroethene	ug/L	50	49.0	98	74-128	
trans-1,3-Dichloropropene	ug/L	50	48.4	97	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	156	78	42-134	
Trichloroethene	ug/L	50	42.4	85	75-119	
Trichlorofluoromethane	ug/L	50	45.8	92	57-152	
Vinyl acetate	ug/L	200	196	98	71-148	
Vinyl chloride	ug/L	50	47.1	94	62-137	
Xylene (Total)	ug/L	150	138	92	79-121	
4-Bromofluorobenzene (S)	%.			98	84-113	
Dibromofluoromethane (S)	%.			95	86-116	
Toluene-d8 (S)	%.			103	86-111	

MATRIX SPIKE SAMPLE: 1860295

Parameter	Units	50178753001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	47.7	95	48-143	
1,1,1-Trichloroethane	ug/L	ND	50	41.6	83	52-142	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	41.7	83	48-143	
1,1,2-Trichloroethane	ug/L	ND	50	45.2	90	51-139	
1,1-Dichloroethane	ug/L	ND	50	39.2	78	53-139	
1,1-Dichloroethene	ug/L	ND	50	51.3	103	50-149	
1,2,3-Trichloropropane	ug/L	ND	50	47.9	96	49-149	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	42.5	85	35-137	
1,2-Dibromoethane (EDB)	ug/L	ND	50	43.0	86	54-141	
1,2-Dichlorobenzene	ug/L	ND	50	42.4	85	33-142	
1,2-Dichloroethane	ug/L	ND	50	39.9	80	47-138	
1,2-Dichloropropane	ug/L	ND	50	42.4	85	55-142	
1,4-Dichlorobenzene	ug/L	ND	50	45.6	91	27-140	
2-Butanone (MEK)	ug/L	ND	250	213	85	39-159	
2-Hexanone	ug/L	ND	250	237	95	47-151	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	229	92	48-146	
Acetone	ug/L	ND	250	287	115	31-152	
Acrylonitrile	ug/L	ND	200	198	99	42-143	
Benzene	ug/L	ND	50	41.1	82	57-136	
Bromochloromethane	ug/L	ND	50	51.4	103	50-145	
Bromodichloromethane	ug/L	ND	50	37.2	74	49-142	
Bromoform	ug/L	ND	50	44.3	89	39-131	

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(317)228-3100

QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

MATRIX SPIKE SAMPLE: 1860295

Parameter	Units	50178753001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	ND	50	33.2	66	10-162	
Carbon disulfide	ug/L	ND	50	49.6	99	34-142	
Carbon tetrachloride	ug/L	ND	50	43.5	87	47-150	
Chlorobenzene	ug/L	ND	50	42.3	85	42-138	
Chloroethane	ug/L	ND	50	52.7	105	34-148	
Chloroform	ug/L	ND	50	39.2	78	54-136	
Chloromethane	ug/L	ND	50	44.5	89	27-138	
cis-1,2-Dichloroethene	ug/L	ND	50	38.1	76	48-147	
cis-1,3-Dichloropropene	ug/L	ND	50	36.4	73	40-142	
Dibromochloromethane	ug/L	ND	50	42.9	86	46-143	
Dibromomethane	ug/L	ND	50	42.2	84	53-140	
Ethylbenzene	ug/L	ND	50	46.7	93	40-147	
Iodomethane	ug/L	ND	100	92.0	92	13-136	
Methylene Chloride	ug/L	ND	50	47.9	96	40-138	
Styrene	ug/L	ND	50	43.9	88	34-149	
Tetrachloroethene	ug/L	ND	50	42.6	85	37-144	
Toluene	ug/L	ND	50	42.9	86	46-137	
trans-1,2-Dichloroethene	ug/L	ND	50	49.6	99	51-145	
trans-1,3-Dichloropropene	ug/L	ND	50	37.6	75	41-143	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	107	54	10-145	
Trichloroethene	ug/L	ND	50	38.7	77	45-139	
Trichlorofluoromethane	ug/L	ND	50	48.3	97	42-164	
Vinyl acetate	ug/L	ND	200	62.3	31	10-149	
Vinyl chloride	ug/L	ND	50	52.1	104	43-154	
Xylene (Total)	ug/L	ND	150	132	88	37-146	
4-Bromofluorobenzene (S)	%.				100	84-113	
Dibromofluoromethane (S)	%.				94	86-116	
Toluene-d8 (S)	%.				106	86-111	

SAMPLE DUPLICATE: 1860296

Parameter	Units	50178753001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

SAMPLE DUPLICATE: 1860296

Parameter	Units	50178753001 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl acetate	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	97	98	2		
Dibromofluoromethane (S)	%.	107	94	13		
Toluene-d8 (S)	%.	100	105	6		

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 404941 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50178859006, 50178859007, 50178859008, 50178859009

METHOD BLANK: 1863191 Matrix: Water
Associated Lab Samples: 50178859006, 50178859007, 50178859008, 50178859009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	09/11/17 13:28	
1,1,1-Trichloroethane	ug/L	ND	5.0	09/11/17 13:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	09/11/17 13:28	
1,1,2-Trichloroethane	ug/L	ND	5.0	09/11/17 13:28	
1,1-Dichloroethane	ug/L	ND	5.0	09/11/17 13:28	
1,1-Dichloroethene	ug/L	ND	5.0	09/11/17 13:28	
1,2,3-Trichloropropane	ug/L	ND	5.0	09/11/17 13:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	09/11/17 13:28	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	09/11/17 13:28	
1,2-Dichlorobenzene	ug/L	ND	5.0	09/11/17 13:28	
1,2-Dichloroethane	ug/L	ND	5.0	09/11/17 13:28	
1,2-Dichloropropane	ug/L	ND	5.0	09/11/17 13:28	
1,4-Dichlorobenzene	ug/L	ND	5.0	09/11/17 13:28	
2-Butanone (MEK)	ug/L	ND	10.0	09/11/17 13:28	
2-Hexanone	ug/L	ND	10.0	09/11/17 13:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/11/17 13:28	
Acetone	ug/L	ND	10.0	09/11/17 13:28	
Acrylonitrile	ug/L	ND	100	09/11/17 13:28	
Benzene	ug/L	ND	5.0	09/11/17 13:28	
Bromochloromethane	ug/L	ND	5.0	09/11/17 13:28	
Bromodichloromethane	ug/L	ND	5.0	09/11/17 13:28	
Bromoform	ug/L	ND	5.0	09/11/17 13:28	
Bromomethane	ug/L	ND	10.0	09/11/17 13:28	
Carbon disulfide	ug/L	ND	10.0	09/11/17 13:28	
Carbon tetrachloride	ug/L	ND	5.0	09/11/17 13:28	
Chlorobenzene	ug/L	ND	5.0	09/11/17 13:28	
Chloroethane	ug/L	ND	10.0	09/11/17 13:28	
Chloroform	ug/L	ND	5.0	09/11/17 13:28	
Chloromethane	ug/L	ND	10.0	09/11/17 13:28	
cis-1,2-Dichloroethene	ug/L	ND	5.0	09/11/17 13:28	
cis-1,3-Dichloropropene	ug/L	ND	5.0	09/11/17 13:28	
Dibromochloromethane	ug/L	ND	5.0	09/11/17 13:28	
Dibromomethane	ug/L	ND	10.0	09/11/17 13:28	
Ethylbenzene	ug/L	ND	5.0	09/11/17 13:28	
Iodomethane	ug/L	ND	5.0	09/11/17 13:28	
Methylene Chloride	ug/L	ND	5.0	09/11/17 13:28	
Styrene	ug/L	ND	5.0	09/11/17 13:28	
Tetrachloroethene	ug/L	ND	5.0	09/11/17 13:28	
Toluene	ug/L	ND	5.0	09/11/17 13:28	
trans-1,2-Dichloroethene	ug/L	ND	5.0	09/11/17 13:28	
trans-1,3-Dichloropropene	ug/L	ND	5.0	09/11/17 13:28	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

METHOD BLANK: 1863191 Matrix: Water
Associated Lab Samples: 50178859006, 50178859007, 50178859008, 50178859009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	09/11/17 13:28	
Trichloroethene	ug/L	ND	5.0	09/11/17 13:28	
Trichlorofluoromethane	ug/L	ND	10.0	09/11/17 13:28	
Vinyl acetate	ug/L	ND	10.0	09/11/17 13:28	
Vinyl chloride	ug/L	ND	2.0	09/11/17 13:28	
Xylene (Total)	ug/L	ND	5.0	09/11/17 13:28	
4-Bromofluorobenzene (S)	%.	99	84-113	09/11/17 13:28	
Dibromofluoromethane (S)	%.	102	86-116	09/11/17 13:28	
Toluene-d8 (S)	%.	100	86-111	09/11/17 13:28	

LABORATORY CONTROL SAMPLE: 1863192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.4	113	80-123	
1,1,1-Trichloroethane	ug/L	50	57.8	116	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	48.6	97	74-124	
1,1,2-Trichloroethane	ug/L	50	49.8	100	79-121	
1,1-Dichloroethane	ug/L	50	57.3	115	77-122	
1,1-Dichloroethene	ug/L	50	54.4	109	70-131	
1,2,3-Trichloropropane	ug/L	50	53.2	106	79-128	
1,2-Dibromo-3-chloropropane	ug/L	50	57.4	115	72-124	
1,2-Dibromoethane (EDB)	ug/L	50	57.5	115	81-123	
1,2-Dichlorobenzene	ug/L	50	57.8	116	77-118	
1,2-Dichloroethane	ug/L	50	53.3	107	72-119	
1,2-Dichloropropane	ug/L	50	50.6	101	78-125	
1,4-Dichlorobenzene	ug/L	50	53.5	107	72-118	
2-Butanone (MEK)	ug/L	250	288	115	61-150	
2-Hexanone	ug/L	250	273	109	67-141	
4-Methyl-2-pentanone (MIBK)	ug/L	250	265	106	71-131	
Acetone	ug/L	250	258	103	39-166	
Acrylonitrile	ug/L	200	212	106	62-130	
Benzene	ug/L	50	52.5	105	79-120	
Bromochloromethane	ug/L	50	55.5	111	69-136	
Bromodichloromethane	ug/L	50	52.7	105	76-125	
Bromoform	ug/L	50	54.8	110	69-119	
Bromomethane	ug/L	50	39.3	79	27-161	
Carbon disulfide	ug/L	50	49.4	99	60-130	
Carbon tetrachloride	ug/L	50	55.8	112	74-132	
Chlorobenzene	ug/L	50	51.9	104	77-116	
Chloroethane	ug/L	50	62.9	126	51-132	
Chloroform	ug/L	50	54.0	108	76-118	
Chloromethane	ug/L	50	44.8	90	46-126	
cis-1,2-Dichloroethene	ug/L	50	54.6	109	74-126	
cis-1,3-Dichloropropene	ug/L	50	53.6	107	78-125	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

LABORATORY CONTROL SAMPLE: 1863192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	55.8	112	80-123	
Dibromomethane	ug/L	50	52.5	105	75-124	
Ethylbenzene	ug/L	50	54.7	109	80-123	
Iodomethane	ug/L	100	121	121	43-156	
Methylene Chloride	ug/L	50	51.8	104	62-126	
Styrene	ug/L	50	56.0	112	81-125	
Tetrachloroethene	ug/L	50	62.0	124	74-119	L1
Toluene	ug/L	50	55.2	110	77-117	
trans-1,2-Dichloroethene	ug/L	50	53.2	106	74-128	
trans-1,3-Dichloropropene	ug/L	50	54.3	109	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	172	86	42-134	
Trichloroethene	ug/L	50	55.2	110	75-119	
Trichlorofluoromethane	ug/L	50	53.9	108	57-152	
Vinyl acetate	ug/L	200	228	114	71-148	
Vinyl chloride	ug/L	50	56.3	113	62-137	
Xylene (Total)	ug/L	150	162	108	79-121	
4-Bromofluorobenzene (S)	%.			98	84-113	
Dibromofluoromethane (S)	%.			99	86-116	
Toluene-d8 (S)	%.			98	86-111	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 404943 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50178859005, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859017, 50178859018

METHOD BLANK: 1863193 Matrix: Water
Associated Lab Samples: 50178859005, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859017, 50178859018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	09/11/17 13:45	
1,1,1-Trichloroethane	ug/L	ND	5.0	09/11/17 13:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	09/11/17 13:45	
1,1,2-Trichloroethane	ug/L	ND	5.0	09/11/17 13:45	
1,1-Dichloroethane	ug/L	ND	5.0	09/11/17 13:45	
1,1-Dichloroethene	ug/L	ND	5.0	09/11/17 13:45	
1,2,3-Trichloropropane	ug/L	ND	5.0	09/11/17 13:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	09/11/17 13:45	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	09/11/17 13:45	
1,2-Dichlorobenzene	ug/L	ND	5.0	09/11/17 13:45	
1,2-Dichloroethane	ug/L	ND	5.0	09/11/17 13:45	
1,2-Dichloropropane	ug/L	ND	5.0	09/11/17 13:45	
1,4-Dichlorobenzene	ug/L	ND	5.0	09/11/17 13:45	
2-Butanone (MEK)	ug/L	ND	10.0	09/11/17 13:45	
2-Hexanone	ug/L	ND	10.0	09/11/17 13:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/11/17 13:45	
Acetone	ug/L	ND	10.0	09/11/17 13:45	
Acrylonitrile	ug/L	ND	100	09/11/17 13:45	
Benzene	ug/L	ND	5.0	09/11/17 13:45	
Bromochloromethane	ug/L	ND	5.0	09/11/17 13:45	
Bromodichloromethane	ug/L	ND	5.0	09/11/17 13:45	
Bromoform	ug/L	ND	5.0	09/11/17 13:45	
Bromomethane	ug/L	ND	10.0	09/11/17 13:45	
Carbon disulfide	ug/L	ND	10.0	09/11/17 13:45	
Carbon tetrachloride	ug/L	ND	5.0	09/11/17 13:45	
Chlorobenzene	ug/L	ND	5.0	09/11/17 13:45	
Chloroethane	ug/L	ND	10.0	09/11/17 13:45	
Chloroform	ug/L	ND	5.0	09/11/17 13:45	
Chloromethane	ug/L	ND	10.0	09/11/17 13:45	
cis-1,2-Dichloroethene	ug/L	ND	5.0	09/11/17 13:45	
cis-1,3-Dichloropropene	ug/L	ND	5.0	09/11/17 13:45	
Dibromochloromethane	ug/L	ND	5.0	09/11/17 13:45	
Dibromomethane	ug/L	ND	10.0	09/11/17 13:45	
Dichlorodifluoromethane	ug/L	ND	5.0	09/11/17 13:45	
Ethylbenzene	ug/L	ND	5.0	09/11/17 13:45	
Iodomethane	ug/L	ND	5.0	09/11/17 13:45	
Methylene Chloride	ug/L	ND	5.0	09/11/17 13:45	
Styrene	ug/L	ND	5.0	09/11/17 13:45	
Tetrachloroethene	ug/L	ND	5.0	09/11/17 13:45	
Toluene	ug/L	ND	5.0	09/11/17 13:45	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

METHOD BLANK: 1863193 Matrix: Water

Associated Lab Samples: 50178859005, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859017, 50178859018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	5.0	09/11/17 13:45	
trans-1,3-Dichloropropene	ug/L	ND	5.0	09/11/17 13:45	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	09/11/17 13:45	
Trichloroethene	ug/L	ND	5.0	09/11/17 13:45	
Trichlorofluoromethane	ug/L	ND	10.0	09/11/17 13:45	
Vinyl acetate	ug/L	ND	10.0	09/11/17 13:45	
Vinyl chloride	ug/L	ND	2.0	09/11/17 13:45	
Xylene (Total)	ug/L	ND	5.0	09/11/17 13:45	
4-Bromofluorobenzene (S)	%.	92	84-113	09/11/17 13:45	
Dibromofluoromethane (S)	%.	99	86-116	09/11/17 13:45	
Toluene-d8 (S)	%.	101	86-111	09/11/17 13:45	

LABORATORY CONTROL SAMPLE: 1863194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.5	103	80-123	
1,1,1-Trichloroethane	ug/L	50	46.2	92	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	44.6	89	74-124	
1,1,2-Trichloroethane	ug/L	50	46.3	93	79-121	
1,1-Dichloroethane	ug/L	50	50.1	100	77-122	
1,1-Dichloroethene	ug/L	50	50.1	100	70-131	
1,2,3-Trichloropropane	ug/L	50	50.8	102	79-128	
1,2-Dibromo-3-chloropropane	ug/L	50	52.8	106	72-124	
1,2-Dibromoethane (EDB)	ug/L	50	51.5	103	81-123	
1,2-Dichlorobenzene	ug/L	50	49.6	99	77-118	
1,2-Dichloroethane	ug/L	50	45.9	92	72-119	
1,2-Dichloropropane	ug/L	50	46.6	93	78-125	
1,4-Dichlorobenzene	ug/L	50	48.6	97	72-118	
2-Butanone (MEK)	ug/L	250	260	104	61-150	
2-Hexanone	ug/L	250	266	106	67-141	
4-Methyl-2-pentanone (MIBK)	ug/L	250	252	101	71-131	
Acetone	ug/L	250	271	108	39-166	
Acrylonitrile	ug/L	200	222	111	62-130	
Benzene	ug/L	50	49.3	99	79-120	
Bromochloromethane	ug/L	50	52.5	105	69-136	
Bromodichloromethane	ug/L	50	45.1	90	76-125	
Bromoform	ug/L	50	46.8	94	69-119	
Bromomethane	ug/L	50	49.5	99	27-161	
Carbon disulfide	ug/L	50	45.8	92	60-130	
Carbon tetrachloride	ug/L	50	54.7	109	74-132	
Chlorobenzene	ug/L	50	46.5	93	77-116	
Chloroethane	ug/L	50	49.3	99	51-132	
Chloroform	ug/L	50	46.3	93	76-118	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

LABORATORY CONTROL SAMPLE: 1863194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	46.1	92	46-126	
cis-1,2-Dichloroethene	ug/L	50	47.3	95	74-126	
cis-1,3-Dichloropropene	ug/L	50	47.7	95	78-125	
Dibromochloromethane	ug/L	50	52.8	106	80-123	
Dibromomethane	ug/L	50	47.0	94	75-124	
Dichlorodifluoromethane	ug/L	50	39.5	79	42-152	
Ethylbenzene	ug/L	50	52.3	105	80-123	
Iodomethane	ug/L	100	95.4	95	43-156	
Methylene Chloride	ug/L	50	48.6	97	62-126	
Styrene	ug/L	50	53.4	107	81-125	
Tetrachloroethene	ug/L	50	50.7	101	74-119	
Toluene	ug/L	50	49.4	99	77-117	
trans-1,2-Dichloroethene	ug/L	50	50.5	101	74-128	
trans-1,3-Dichloropropene	ug/L	50	51.5	103	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	187	94	42-134	
Trichloroethene	ug/L	50	50.5	101	75-119	
Trichlorofluoromethane	ug/L	50	55.7	111	57-152	
Vinyl acetate	ug/L	200	202	101	71-148	
Vinyl chloride	ug/L	50	50.3	101	62-137	
Xylene (Total)	ug/L	150	154	102	79-121	
4-Bromofluorobenzene (S)	%.			106	84-113	
Dibromofluoromethane (S)	%.			103	86-116	
Toluene-d8 (S)	%.			101	86-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863195 1863196

Parameter	Units	50178859005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	52.8	49.5	106	99	48-143	6	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	48.0	44.6	96	89	52-142	7	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	43.0	46.0	86	92	48-143	7	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	47.1	47.4	94	95	51-139	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	50.4	49.6	101	99	53-139	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	51.2	46.0	102	92	50-149	11	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	52.0	52.3	104	105	49-149	1	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	54.1	58.0	108	116	35-137	7	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	51.2	51.0	102	102	54-141	0	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	49.3	45.9	99	92	33-142	7	20	
1,2-Dichloroethane	ug/L	ND	50	50	45.8	45.9	92	92	47-138	0	20	
1,2-Dichloropropane	ug/L	ND	50	50	47.8	46.6	96	93	55-142	3	20	
1,4-Dichlorobenzene	ug/L	5.6	50	50	46.8	41.7	83	72	27-140	11	20	
2-Butanone (MEK)	ug/L	ND	250	250	242	262	97	105	39-159	8	20	
2-Hexanone	ug/L	ND	250	250	257	257	103	103	47-151	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	246	253	98	101	48-146	3	20	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863195 1863196

Parameter	Units	50178859005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetone	ug/L	ND	250	250	255	269	102	107	31-152	5	20	
Acrylonitrile	ug/L	ND	200	200	205	213	103	106	42-143	4	20	
Benzene	ug/L	23.0	50	50	51.5	48.1	57	50	57-136	7	20	M1
Bromochloromethane	ug/L	ND	50	50	53.3	55.5	107	111	50-145	4	20	
Bromodichloromethane	ug/L	ND	50	50	45.3	45.9	91	92	49-142	1	20	
Bromoform	ug/L	ND	50	50	47.0	46.9	94	94	39-131	0	20	
Bromomethane	ug/L	ND	50	50	50.6	53.6	101	107	10-162	6	20	
Carbon disulfide	ug/L	ND	50	50	48.3	42.0	97	84	34-142	14	20	
Carbon tetrachloride	ug/L	ND	50	50	56.2	49.2	112	98	47-150	13	20	
Chlorobenzene	ug/L	92.7	50	50	46.2	42.1	-93	-101	42-138	9	20	M1
Chloroethane	ug/L	ND	50	50	55.2	53.7	110	107	34-148	3	20	
Chloroform	ug/L	ND	50	50	49.4	47.5	99	95	54-136	4	20	
Chloromethane	ug/L	ND	50	50	49.4	50.8	99	102	27-138	3	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	47.6	46.1	92	89	48-147	3	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.2	39.1	84	78	40-142	7	20	
Dibromochloromethane	ug/L	ND	50	50	53.6	51.7	107	103	46-143	4	20	
Dibromomethane	ug/L	ND	50	50	47.9	47.0	96	94	53-140	2	20	
Dichlorodifluoromethane	ug/L	ND	50	50	45.1	38.6	90	77	23-169	15	20	
Ethylbenzene	ug/L	ND	50	50	53.1	44.7	106	89	40-147	17	20	
Iodomethane	ug/L	ND	100	100	93.1	96.7	93	97	13-136	4	20	
Methylene Chloride	ug/L	ND	50	50	50.5	52.3	101	105	40-138	3	20	
Styrene	ug/L	ND	50	50	50.8	45.9	102	92	34-149	10	20	
Tetrachloroethene	ug/L	ND	50	50	47.8	39.6	96	79	37-144	19	20	
Toluene	ug/L	ND	50	50	51.7	46.7	103	93	46-137	10	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.6	48.2	101	96	51-145	5	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	43.1	43.1	86	86	41-143	0	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	141	139	70	69	10-145	1	20	
Trichloroethene	ug/L	ND	50	50	51.1	45.5	102	91	45-139	11	20	
Trichlorofluoromethane	ug/L	ND	50	50	58.7	50.0	117	100	42-164	16	20	
Vinyl acetate	ug/L	ND	200	200	68.9	67.4	34	34	10-149	2	20	
Vinyl chloride	ug/L	ND	50	50	53.9	51.1	108	102	43-154	5	20	
Xylene (Total)	ug/L	ND	150	150	153	132	102	88	37-146	15	20	
4-Bromofluorobenzene (S)	%.						102	103	84-113			
Dibromofluoromethane (S)	%.						103	103	86-116			
Toluene-d8 (S)	%.						98	100	86-111			

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 405389
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 50178859016

METHOD BLANK: 1864913
Matrix: Water
Associated Lab Samples: 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	09/13/17 04:03	
1,1,1-Trichloroethane	ug/L	ND	5.0	09/13/17 04:03	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	09/13/17 04:03	
1,1,2-Trichloroethane	ug/L	ND	5.0	09/13/17 04:03	
1,1-Dichloroethane	ug/L	ND	5.0	09/13/17 04:03	
1,1-Dichloroethene	ug/L	ND	5.0	09/13/17 04:03	
1,2,3-Trichloropropane	ug/L	ND	5.0	09/13/17 04:03	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	09/13/17 04:03	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	09/13/17 04:03	
1,2-Dichlorobenzene	ug/L	ND	5.0	09/13/17 04:03	
1,2-Dichloroethane	ug/L	ND	5.0	09/13/17 04:03	
1,2-Dichloropropane	ug/L	ND	5.0	09/13/17 04:03	
1,4-Dichlorobenzene	ug/L	ND	5.0	09/13/17 04:03	
2-Butanone (MEK)	ug/L	ND	10.0	09/13/17 04:03	
2-Hexanone	ug/L	ND	10.0	09/13/17 04:03	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/13/17 04:03	
Acetone	ug/L	ND	10.0	09/13/17 04:03	
Acrylonitrile	ug/L	ND	100	09/13/17 04:03	
Benzene	ug/L	ND	5.0	09/13/17 04:03	
Bromochloromethane	ug/L	ND	5.0	09/13/17 04:03	
Bromodichloromethane	ug/L	ND	5.0	09/13/17 04:03	
Bromoform	ug/L	ND	5.0	09/13/17 04:03	
Bromomethane	ug/L	ND	10.0	09/13/17 04:03	
Carbon disulfide	ug/L	ND	10.0	09/13/17 04:03	
Carbon tetrachloride	ug/L	ND	5.0	09/13/17 04:03	
Chlorobenzene	ug/L	ND	5.0	09/13/17 04:03	
Chloroethane	ug/L	ND	10.0	09/13/17 04:03	
Chloroform	ug/L	ND	5.0	09/13/17 04:03	
Chloromethane	ug/L	ND	10.0	09/13/17 04:03	
cis-1,2-Dichloroethene	ug/L	ND	5.0	09/13/17 04:03	
cis-1,3-Dichloropropene	ug/L	ND	5.0	09/13/17 04:03	
Dibromochloromethane	ug/L	ND	5.0	09/13/17 04:03	
Dibromomethane	ug/L	ND	10.0	09/13/17 04:03	
Ethylbenzene	ug/L	ND	5.0	09/13/17 04:03	
Iodomethane	ug/L	ND	5.0	09/13/17 04:03	
Methylene Chloride	ug/L	ND	5.0	09/13/17 04:03	
Styrene	ug/L	ND	5.0	09/13/17 04:03	
Tetrachloroethene	ug/L	ND	5.0	09/13/17 04:03	
Toluene	ug/L	ND	5.0	09/13/17 04:03	
trans-1,2-Dichloroethene	ug/L	ND	5.0	09/13/17 04:03	
trans-1,3-Dichloropropene	ug/L	ND	5.0	09/13/17 04:03	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

METHOD BLANK: 1864913 Matrix: Water
Associated Lab Samples: 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	09/13/17 04:03	
Trichloroethene	ug/L	ND	5.0	09/13/17 04:03	
Trichlorofluoromethane	ug/L	ND	10.0	09/13/17 04:03	
Vinyl acetate	ug/L	ND	10.0	09/13/17 04:03	
Vinyl chloride	ug/L	ND	2.0	09/13/17 04:03	
Xylene (Total)	ug/L	ND	5.0	09/13/17 04:03	
4-Bromofluorobenzene (S)	%.	98	84-113	09/13/17 04:03	
Dibromofluoromethane (S)	%.	101	86-116	09/13/17 04:03	
Toluene-d8 (S)	%.	99	86-111	09/13/17 04:03	

LABORATORY CONTROL SAMPLE: 1864914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.7	107	80-123	
1,1,1-Trichloroethane	ug/L	50	55.3	111	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	46.4	93	74-124	
1,1,2-Trichloroethane	ug/L	50	48.4	97	79-121	
1,1-Dichloroethane	ug/L	50	53.8	108	77-122	
1,1-Dichloroethene	ug/L	50	52.4	105	70-131	
1,2,3-Trichloropropane	ug/L	50	52.0	104	79-128	
1,2-Dibromo-3-chloropropane	ug/L	50	59.0	118	72-124	
1,2-Dibromoethane (EDB)	ug/L	50	55.7	111	81-123	
1,2-Dichlorobenzene	ug/L	50	52.5	105	77-118	
1,2-Dichloroethane	ug/L	50	51.3	103	72-119	
1,2-Dichloropropane	ug/L	50	48.3	97	78-125	
1,4-Dichlorobenzene	ug/L	50	50.8	102	72-118	
2-Butanone (MEK)	ug/L	250	282	113	61-150	
2-Hexanone	ug/L	250	264	106	67-141	
4-Methyl-2-pentanone (MIBK)	ug/L	250	249	100	71-131	
Acetone	ug/L	250	265	106	39-166	
Acrylonitrile	ug/L	200	214	107	62-130	
Benzene	ug/L	50	50.7	101	79-120	
Bromochloromethane	ug/L	50	54.1	108	69-136	
Bromodichloromethane	ug/L	50	50.4	101	76-125	
Bromoform	ug/L	50	51.9	104	69-119	
Bromomethane	ug/L	50	30.6	61	27-161	
Carbon disulfide	ug/L	50	46.1	92	60-130	
Carbon tetrachloride	ug/L	50	51.9	104	74-132	
Chlorobenzene	ug/L	50	48.9	98	77-116	
Chloroethane	ug/L	50	68.1	136	51-132	L1
Chloroform	ug/L	50	53.0	106	76-118	
Chloromethane	ug/L	50	39.1	78	46-126	
cis-1,2-Dichloroethene	ug/L	50	52.3	105	74-126	
cis-1,3-Dichloropropene	ug/L	50	50.6	101	78-125	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

LABORATORY CONTROL SAMPLE: 1864914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	53.5	107	80-123	
Dibromomethane	ug/L	50	53.4	107	75-124	
Ethylbenzene	ug/L	50	50.4	101	80-123	
Iodomethane	ug/L	100	101	101	43-156	
Methylene Chloride	ug/L	50	51.2	102	62-126	
Styrene	ug/L	50	53.5	107	81-125	
Tetrachloroethene	ug/L	50	57.4	115	74-119	
Toluene	ug/L	50	52.3	105	77-117	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	74-128	
trans-1,3-Dichloropropene	ug/L	50	50.1	100	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	145	72	42-134	
Trichloroethene	ug/L	50	53.6	107	75-119	
Trichlorofluoromethane	ug/L	50	51.8	104	57-152	
Vinyl acetate	ug/L	200	205	102	71-148	
Vinyl chloride	ug/L	50	52.3	105	62-137	
Xylene (Total)	ug/L	150	154	103	79-121	
4-Bromofluorobenzene (S)	%.			97	84-113	
Dibromofluoromethane (S)	%.			101	86-116	
Toluene-d8 (S)	%.			98	86-111	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 403905 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50178859001, 50178859002, 50178859003

METHOD BLANK: 1858450 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	09/01/17 10:47	

LABORATORY CONTROL SAMPLE: 1858451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	291	97	80-120	

SAMPLE DUPLICATE: 1858452

Parameter	Units	50178790001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	449	449	0	10	

SAMPLE DUPLICATE: 1858453

Parameter	Units	50178821001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	859	855	0	10	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 403906 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009

METHOD BLANK: 1858454 Matrix: Water
Associated Lab Samples: 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	09/01/17 08:25	

LABORATORY CONTROL SAMPLE: 1858455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	288	96	80-120	

SAMPLE DUPLICATE: 1858456

Parameter	Units	50178859004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1510	1520	1	10	

SAMPLE DUPLICATE: 1858458

Parameter	Units	50178817001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	595	599	1	10	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 404063 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50178859010, 50178859011, 50178859012, 50178859013, 50178859014

METHOD BLANK: 1859231 Matrix: Water
Associated Lab Samples: 50178859010, 50178859011, 50178859012, 50178859013, 50178859014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	09/02/17 11:41	

LABORATORY CONTROL SAMPLE: 1859232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	299	100	80-120	

SAMPLE DUPLICATE: 1859233

Parameter	Units	50178837006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	358	343	4	10	

SAMPLE DUPLICATE: 1859234

Parameter	Units	50178859014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	463	466	1	10	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 404101 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50178859015, 50178859016

METHOD BLANK: 1859360 Matrix: Water
Associated Lab Samples: 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	09/05/17 07:50	

LABORATORY CONTROL SAMPLE: 1859361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	80-120	

SAMPLE DUPLICATE: 1859362

Parameter	Units	50178859015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	434	420	3	10	

SAMPLE DUPLICATE: 1859363

Parameter	Units	50178937004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	4400	4430	1	10	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 403944 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015

METHOD BLANK: 1858579 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	09/01/17 14:58	

LABORATORY CONTROL SAMPLE: 1858580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	48.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858581 1858582

Parameter	Units	50178830003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	ND	50	50	60.2	60.9	105	107	90-110	1	20	

MATRIX SPIKE SAMPLE: 1858583

Parameter	Units	50178859015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	61.6	112	90-110	M0

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 403981
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Associated Lab Samples: 50178859016

METHOD BLANK: 1858794
Matrix: Water
Associated Lab Samples: 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	09/01/17 16:11	

LABORATORY CONTROL SAMPLE: 1858795

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	52.1	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858796 1858797

Parameter	Units	50178873001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	ND	50	50	59.5	51.0	110	93	90-110	15	20	

MATRIX SPIKE SAMPLE: 1858798

Parameter	Units	50178946006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	24.9	50	76.4	103	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 403986 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

METHOD BLANK: 1858840 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	09/01/17 14:57	

LABORATORY CONTROL SAMPLE: 1858841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858842 1858843

Parameter	Units	50178859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	ND	2	2	2.0	2.0	97	98	90-110	1	20	

MATRIX SPIKE SAMPLE: 1858844

Parameter	Units	50178859016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	2	1.9	93	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 404471 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Total Phosphorus
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004

METHOD BLANK: 1860681 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	09/07/17 13:44	

LABORATORY CONTROL SAMPLE: 1860682

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	.5	0.52	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1860683 1860684

Parameter	Units	50178379002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	3.9	.5	.5	4.5	4.4	121	105	90-110	2	20	M0

MATRIX SPIKE SAMPLE: 1860685

Parameter	Units	50178649001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.5	.5	2.1	105	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 405076 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Total Phosphorus
Associated Lab Samples: 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

METHOD BLANK: 1863612 Matrix: Water
Associated Lab Samples: 50178859005, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	09/12/17 15:37	

LABORATORY CONTROL SAMPLE: 1863613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	.5	0.50	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863614 1863615

Parameter	Units	50178859005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	2.0	.5	.5	2.5	2.5	99	109	90-110	2	20	

MATRIX SPIKE SAMPLE: 1863616

Parameter	Units	50179168001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.1	.5	2.6	105	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 405100 Analysis Method: SM 4500-NH3 G
QC Batch Method: SM 4500-NH3 G Analysis Description: 4500 Ammonia
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006

METHOD BLANK: 1863730 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859004, 50178859005, 50178859006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	09/12/17 16:02	

LABORATORY CONTROL SAMPLE: 1863731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1863734

Parameter	Units	50178830003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	1	1.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863989 1863990

Parameter	Units	50178790016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	1	1	0.96	0.96	94	94	90-110	0	20	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 405488 Analysis Method: SM 4500-NH3 G
QC Batch Method: SM 4500-NH3 G Analysis Description: 4500 Ammonia
Associated Lab Samples: 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

METHOD BLANK: 1865260 Matrix: Water
Associated Lab Samples: 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	09/14/17 14:16	

LABORATORY CONTROL SAMPLE: 1865261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1865262 1865263

Parameter	Units	50178859007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	1	1	0.94	0.95	94	95	90-110	0	20	

MATRIX SPIKE SAMPLE: 1865264

Parameter	Units	50179102001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	46.0	5	41.8	-85	90-110	M0

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 405079 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859005

METHOD BLANK: 1863637 Matrix: Water
Associated Lab Samples: 50178859001, 50178859002, 50178859003, 50178859005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	09/14/17 12:19	

LABORATORY CONTROL SAMPLE: 1863638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863639 1863640

Parameter	Units	50178830003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	ND	100	100	98.9	98.6	95	94	80-120	0	20	

MATRIX SPIKE SAMPLE: 1863641

Parameter	Units	50178859005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	14.3	40	52.6	96	80-120	

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QUALITY CONTROL DATA

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

QC Batch: 405291 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 50178859004, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

METHOD BLANK: 1864462 Matrix: Water
Associated Lab Samples: 50178859004, 50178859006, 50178859007, 50178859008, 50178859009, 50178859010, 50178859011, 50178859012, 50178859013, 50178859014, 50178859015, 50178859016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	09/14/17 21:38	

LABORATORY CONTROL SAMPLE: 1864463

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1864464 1864465

Parameter	Units	50178859004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	11.4	40	40	49.5	49.8	95	96	80-120	0	20	

MATRIX SPIKE SAMPLE: 1864466

Parameter	Units	50178930004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.1	10	12.0	99	80-120	

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QUALIFIERS

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 50178859016

[1]	No VOA vials were received for PZ-111-SS

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50178859001	PZ-205-SS		405473		
50178859002	PZ-106-SD		405473		
50178859003	PZ-106-SS		405473		
50178859004	PZ-115-SS		405473		
50178859005	PZ-114-AS		405473		
50178859006	PZ-100-SD		405473		
50178859007	PZ-100-SS		405473		
50178859008	PZ-111-SD		405473		
50178859009	PZ-105-SS		405473		
50178859011	PZ-104-SD		405473		
50178859013	PZ-104-SS		405473		
50178859014	PZ-201A-SS		405473		
50178859015	PZ-109-SS		405473		
50178859016	PZ-111-SS		405473		
50178859017	PZ-107-SS		405473		
50178859001	PZ-205-SS	EPA 9056	404491		
50178859002	PZ-106-SD	EPA 9056	404491		
50178859003	PZ-106-SS	EPA 9056	404491		
50178859004	PZ-115-SS	EPA 9056	404491		
50178859005	PZ-114-AS	EPA 9056	404491		
50178859006	PZ-100-SD	EPA 9056	404491		
50178859007	PZ-100-SS	EPA 9056	404491		
50178859008	PZ-111-SD	EPA 9056	404491		
50178859009	PZ-105-SS	EPA 9056	404491		
50178859010	FB@PZ-104-SD	EPA 9056	404491		
50178859011	PZ-104-SD	EPA 9056	404491		
50178859012	PZ-104-SD DUP	EPA 9056	404491		
50178859013	PZ-104-SS	EPA 9056	404491		
50178859014	PZ-201A-SS	EPA 9056	404491		
50178859015	PZ-109-SS	EPA 9056	404491		
50178859016	PZ-111-SS	EPA 9056	404491		
50178859001	PZ-205-SS	EPA 3010	403975	EPA 6010	405046
50178859002	PZ-106-SD	EPA 3010	403975	EPA 6010	405046
50178859003	PZ-106-SS	EPA 3010	403975	EPA 6010	405046
50178859004	PZ-115-SS	EPA 3010	403975	EPA 6010	405046
50178859005	PZ-114-AS	EPA 3010	403975	EPA 6010	405046
50178859006	PZ-100-SD	EPA 3010	403975	EPA 6010	405046
50178859007	PZ-100-SS	EPA 3010	403975	EPA 6010	405046
50178859008	PZ-111-SD	EPA 3010	403975	EPA 6010	405046
50178859009	PZ-105-SS	EPA 3010	403975	EPA 6010	405046
50178859010	FB@PZ-104-SD	EPA 3010	403975	EPA 6010	405046
50178859011	PZ-104-SD	EPA 3010	403975	EPA 6010	405046
50178859012	PZ-104-SD DUP	EPA 3010	403975	EPA 6010	405046
50178859013	PZ-104-SS	EPA 3010	403975	EPA 6010	405046
50178859014	PZ-201A-SS	EPA 3010	403975	EPA 6010	405046
50178859015	PZ-109-SS	EPA 3010	403975	EPA 6010	405046
50178859016	PZ-111-SS	EPA 3010	403975	EPA 6010	405046

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50178859001	PZ-205-SS	EPA 200.2	403987	EPA 6020	404050
50178859002	PZ-106-SD	EPA 200.2	403987	EPA 6020	404050
50178859003	PZ-106-SS	EPA 200.2	403987	EPA 6020	404050
50178859004	PZ-115-SS	EPA 200.2	403987	EPA 6020	404050
50178859005	PZ-114-AS	EPA 200.2	403987	EPA 6020	404050
50178859006	PZ-100-SD	EPA 200.2	403987	EPA 6020	404050
50178859007	PZ-100-SS	EPA 200.2	403987	EPA 6020	404050
50178859008	PZ-111-SD	EPA 200.2	403987	EPA 6020	404050
50178859009	PZ-105-SS	EPA 200.2	403987	EPA 6020	404050
50178859010	FB@PZ-104-SD	EPA 200.2	403987	EPA 6020	404050
50178859011	PZ-104-SD	EPA 200.2	403987	EPA 6020	404050
50178859012	PZ-104-SD DUP	EPA 200.2	403987	EPA 6020	404050
50178859013	PZ-104-SS	EPA 200.2	403987	EPA 6020	404050
50178859014	PZ-201A-SS	EPA 200.2	403987	EPA 6020	404050
50178859015	PZ-109-SS	EPA 200.2	403987	EPA 6020	404050
50178859016	PZ-111-SS	EPA 200.2	403987	EPA 6020	404050
50178859001	PZ-205-SS	EPA 7470	404195	EPA 7470	405207
50178859002	PZ-106-SD	EPA 7470	404195	EPA 7470	405207
50178859003	PZ-106-SS	EPA 7470	404195	EPA 7470	405207
50178859004	PZ-115-SS	EPA 7470	404195	EPA 7470	405207
50178859005	PZ-114-AS	EPA 7470	404195	EPA 7470	405207
50178859006	PZ-100-SD	EPA 7470	404195	EPA 7470	405207
50178859007	PZ-100-SS	EPA 7470	404195	EPA 7470	405207
50178859008	PZ-111-SD	EPA 7470	404195	EPA 7470	405207
50178859009	PZ-105-SS	EPA 7470	404195	EPA 7470	405207
50178859010	FB@PZ-104-SD	EPA 7470	404195	EPA 7470	405207
50178859011	PZ-104-SD	EPA 7470	404195	EPA 7470	405207
50178859012	PZ-104-SD DUP	EPA 7470	404195	EPA 7470	405207
50178859013	PZ-104-SS	EPA 7470	404195	EPA 7470	405207
50178859014	PZ-201A-SS	EPA 7470	404195	EPA 7470	405207
50178859015	PZ-109-SS	EPA 7470	404195	EPA 7470	405207
50178859016	PZ-111-SS	EPA 7470	404195	EPA 7470	405207
50178859001	PZ-205-SS	EPA 8260	404361		
50178859002	PZ-106-SD	EPA 8260	404361		
50178859003	PZ-106-SS	EPA 8260	404361		
50178859004	PZ-115-SS	EPA 8260	404361		
50178859005	PZ-114-AS	EPA 8260	404943		
50178859006	PZ-100-SD	EPA 8260	404941		
50178859007	PZ-100-SS	EPA 8260	404941		
50178859008	PZ-111-SD	EPA 8260	404941		
50178859009	PZ-105-SS	EPA 8260	404941		
50178859010	FB@PZ-104-SD	EPA 8260	404943		
50178859011	PZ-104-SD	EPA 8260	404943		
50178859012	PZ-104-SD DUP	EPA 8260	404943		
50178859013	PZ-104-SS	EPA 8260	404943		
50178859014	PZ-201A-SS	EPA 8260	404943		

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(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50178859015	PZ-109-SS	EPA 8260	404943		
50178859016	PZ-111-SS	EPA 8260	405389		
50178859017	PZ-107-SS	EPA 8260	404943		
50178859018	Trip Blank	EPA 8260	404943		
50178859001	PZ-205-SS	SM 2540C	403905		
50178859002	PZ-106-SD	SM 2540C	403905		
50178859003	PZ-106-SS	SM 2540C	403905		
50178859004	PZ-115-SS	SM 2540C	403906		
50178859005	PZ-114-AS	SM 2540C	403906		
50178859006	PZ-100-SD	SM 2540C	403906		
50178859007	PZ-100-SS	SM 2540C	403906		
50178859008	PZ-111-SD	SM 2540C	403906		
50178859009	PZ-105-SS	SM 2540C	403906		
50178859010	FB@PZ-104-SD	SM 2540C	404063		
50178859011	PZ-104-SD	SM 2540C	404063		
50178859012	PZ-104-SD DUP	SM 2540C	404063		
50178859013	PZ-104-SS	SM 2540C	404063		
50178859014	PZ-201A-SS	SM 2540C	404063		
50178859015	PZ-109-SS	SM 2540C	404101		
50178859016	PZ-111-SS	SM 2540C	404101		
50178859001	PZ-205-SS	EPA 410.4	403944	EPA 410.4	404011
50178859002	PZ-106-SD	EPA 410.4	403944	EPA 410.4	404011
50178859003	PZ-106-SS	EPA 410.4	403944	EPA 410.4	404011
50178859004	PZ-115-SS	EPA 410.4	403944	EPA 410.4	404011
50178859005	PZ-114-AS	EPA 410.4	403944	EPA 410.4	404011
50178859006	PZ-100-SD	EPA 410.4	403944	EPA 410.4	404011
50178859007	PZ-100-SS	EPA 410.4	403944	EPA 410.4	404011
50178859008	PZ-111-SD	EPA 410.4	403944	EPA 410.4	404011
50178859009	PZ-105-SS	EPA 410.4	403944	EPA 410.4	404011
50178859010	FB@PZ-104-SD	EPA 410.4	403944	EPA 410.4	404011
50178859011	PZ-104-SD	EPA 410.4	403944	EPA 410.4	404011
50178859012	PZ-104-SD DUP	EPA 410.4	403944	EPA 410.4	404011
50178859013	PZ-104-SS	EPA 410.4	403944	EPA 410.4	404011
50178859014	PZ-201A-SS	EPA 410.4	403944	EPA 410.4	404011
50178859015	PZ-109-SS	EPA 410.4	403944	EPA 410.4	404011
50178859016	PZ-111-SS	EPA 410.4	403981	EPA 410.4	404015
50178859001	PZ-205-SS	EPA 353.2	403986		
50178859002	PZ-106-SD	EPA 353.2	403986		
50178859003	PZ-106-SS	EPA 353.2	403986		
50178859004	PZ-115-SS	EPA 353.2	403986		
50178859005	PZ-114-AS	EPA 353.2	403986		
50178859006	PZ-100-SD	EPA 353.2	403986		
50178859007	PZ-100-SS	EPA 353.2	403986		
50178859008	PZ-111-SD	EPA 353.2	403986		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50178859009	PZ-105-SS	EPA 353.2	403986		
50178859010	FB@PZ-104-SD	EPA 353.2	403986		
50178859011	PZ-104-SD	EPA 353.2	403986		
50178859012	PZ-104-SD DUP	EPA 353.2	403986		
50178859013	PZ-104-SS	EPA 353.2	403986		
50178859014	PZ-201A-SS	EPA 353.2	403986		
50178859015	PZ-109-SS	EPA 353.2	403986		
50178859016	PZ-111-SS	EPA 353.2	403986		
50178859001	PZ-205-SS	EPA 365.1	404471	EPA 365.1	404548
50178859002	PZ-106-SD	EPA 365.1	404471	EPA 365.1	404548
50178859003	PZ-106-SS	EPA 365.1	404471	EPA 365.1	404548
50178859004	PZ-115-SS	EPA 365.1	404471	EPA 365.1	404548
50178859005	PZ-114-AS	EPA 365.1	405076	EPA 365.1	405180
50178859006	PZ-100-SD	EPA 365.1	405076	EPA 365.1	405180
50178859007	PZ-100-SS	EPA 365.1	405076	EPA 365.1	405180
50178859008	PZ-111-SD	EPA 365.1	405076	EPA 365.1	405180
50178859009	PZ-105-SS	EPA 365.1	405076	EPA 365.1	405180
50178859010	FB@PZ-104-SD	EPA 365.1	405076	EPA 365.1	405180
50178859011	PZ-104-SD	EPA 365.1	405076	EPA 365.1	405180
50178859012	PZ-104-SD DUP	EPA 365.1	405076	EPA 365.1	405180
50178859013	PZ-104-SS	EPA 365.1	405076	EPA 365.1	405180
50178859014	PZ-201A-SS	EPA 365.1	405076	EPA 365.1	405180
50178859015	PZ-109-SS	EPA 365.1	405076	EPA 365.1	405180
50178859016	PZ-111-SS	EPA 365.1	405076	EPA 365.1	405180
50178859001	PZ-205-SS	SM 4500-NH3 G	405100		
50178859002	PZ-106-SD	SM 4500-NH3 G	405100		
50178859003	PZ-106-SS	SM 4500-NH3 G	405100		
50178859004	PZ-115-SS	SM 4500-NH3 G	405100		
50178859005	PZ-114-AS	SM 4500-NH3 G	405100		
50178859006	PZ-100-SD	SM 4500-NH3 G	405100		
50178859007	PZ-100-SS	SM 4500-NH3 G	405488		
50178859008	PZ-111-SD	SM 4500-NH3 G	405488		
50178859009	PZ-105-SS	SM 4500-NH3 G	405488		
50178859010	FB@PZ-104-SD	SM 4500-NH3 G	405488		
50178859011	PZ-104-SD	SM 4500-NH3 G	405488		
50178859012	PZ-104-SD DUP	SM 4500-NH3 G	405488		
50178859013	PZ-104-SS	SM 4500-NH3 G	405488		
50178859014	PZ-201A-SS	SM 4500-NH3 G	405488		
50178859015	PZ-109-SS	SM 4500-NH3 G	405488		
50178859016	PZ-111-SS	SM 4500-NH3 G	405488		
50178859001	PZ-205-SS	SM 5310C	405079		
50178859002	PZ-106-SD	SM 5310C	405079		
50178859003	PZ-106-SS	SM 5310C	405079		
50178859004	PZ-115-SS	SM 5310C	405291		
50178859005	PZ-114-AS	SM 5310C	405079		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton 3Q2017 DMP
Pace Project No.: 50178859

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50178859006	**PZ-100-SD**	SM 5310C	405291		
50178859007	**PZ-100-SS**	SM 5310C	405291		
50178859008	**PZ-111-SD**	SM 5310C	405291		
50178859009	**PZ-105-SS**	SM 5310C	405291		
50178859010	**FB@PZ-104-SD**	SM 5310C	405291		
50178859011	**PZ-104-SD**	SM 5310C	405291		
50178859012	**PZ-104-SD DUP**	SM 5310C	405291		
50178859013	**PZ-104-SS**	SM 5310C	405291		
50178859014	**PZ-201A-SS**	SM 5310C	405291		
50178859015	**PZ-109-SS**	SM 5310C	405291		
50178859016	**PZ-111-SS**	SM 5310C	405291		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2116809

Section A Required Client Information:

Company: Republic - MO Landfills
Address: 8377 Hollenberg Dr
Bridgeton MO
Email To:
Phone: Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jon Wilkinson
Copy To:
Purchase Order No.:
Project Name: Bridgeton 3Q2017 DMP
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Chris Boyle
Pace Profile #: 4762 1

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	TDS, Cl, F, SO_4	NH_3, NO_3/NO_2, Phos	TOC, COD	Tot Metals	VOC 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PZ-205-SS	AQ	G	8/29/17	0904				7	1	2	1	3					X	X	X	X	X	X		50178859-001
2	PZ-106-SD				1026				7	1	2	1	3					X	X	X	X	X	X		-002
3	PZ-106-SS				1126				7	1	2	1	3					X	X	X	X	X	X		-003
4	PZ-115-SS				1326				7	1	2	1	3					X	X	X	X	X	X		-004
5	PZ-114-AS				1358				7	1	2	1	3					X	X	X	X	X	X		-005
6	PZ-100-SD				1507				7	1	2	1	3					X	X	X	X	X	X		-006
7	PZ-100-SS				1544				7	1	2	1	3					X	X	X	X	X	X		-007
8	PZ-111-SD				1702				7	1	2	1	3					X	X	X	X	X	X		-008
9	PZ-105-SS			8/29/17	1832				7	1	2	1	3					X	X	X	X	X	X		-009
10	FB@PZ-104-SD			8/30/17	0825				7	1	2	1	3					X	X	X	X	X	X		-010
11	PZ-104-SD				0930				7	1	2	1	3					X	X	X	X	X	X		-011
12	PZ-104-SD DUP			8/30/17	0930				7	1	2	1	3					X	X	X	X	X	X		-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] TFCI	8/30/17	1700	FedEx	8/30/17	1700	2.0c
	Fedex	8/31/17	8:35	Marcia Bennett/Pace	8/31/17	8:35	1.7c SEE SCUR
							0.5c

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Wilkinson
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/30/17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

2116810

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Republic - MO LandFills	Report To: Jon Wilkinson	Attention:
Address: See pp 1	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Bridgeton 3Q17 DMP	Pace Project Manager: Chris Boyle
Requested Due Date/TAT: Standard	Project Number:	Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information / SAMPLE ID (A-Z, 0-9 / ,) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	TDS, Cl, SO_4	NH_3, NO_3/NO_2, PO_4, Diss PO_4, COD	THM, Metals	Voc 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PZ-104-SS	Ag		8/30/17	1036				7	1	2	1	3					X	X	X	X	X		-013
2	PZ-201A-SS	Ag			1147				7	1	2	1	3					X	X	X	X	X		-014
3	PZ-109-SS	Ag			1239				7	1	2	1	3					X	X	X	X	X		-015
4	PZ-111-SS	Ag			1352				7	1	2	1	3					X	X	X	X	X		-016
5	PZ-107-SS	↓		↓	1506				3				3									X		-017
6	Trip Blank	Ag		8/30/17	N/A				3				3									X		-018
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	FEDEX	8/30/17	1700	FedEx	8/30/17	1700	
	Fedex	8/31/17	8:35	Marcia Bennett/Pace	8/31/17	8:35	See pg 1 SEE SCR

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Wilkinson

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/30/17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Project # 5017 8859

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7403 0160 8093 / 8119 / 8108

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer 1 2 3 4 5 6 (A) B C D E F **Type of Ice:** (Wet) Blue None Samples on ice, cooling process has begun

Cooler Temperature (Initial/Corrected) Temp should be above freezing to 6°C: 2.6°C/2.6°C, 1.7°C/1.7°C, 0.5°C/0.5°C

Ice Visible in Sample Containers: ☐ yes ☑ no

If Over 6°C, Was PM Notified? ☐ yes ☑ no

Date/Time and Initials of person examining contents: MB 8/31/17 12:15			**Comments**
Are samples from West Virginia? Document any containers out of temp.	☐Yes ☑No	1.	
USDA Regulated Soils? (NY, SC, NC, TX, NOLA)	☐Yes ☑No		
Chain of Custody Present:	☑Yes ☐No	2.	
Chain of Custody Filled Out:	☑Yes ☐No	3.	
Short Hold Time Analysis (<72hr):	☐Yes ☑No	4.	**Date/Time 5035A T/C placed in Freezer:** _____ **Short Holds Taken to Lab:** _____
Rush Turn Around Time Requested:	☐Yes ☑No	5.	
Containers Intact:	☑Yes ☐No	6.	
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes ☑No	7.	3 vials recv PZ114AS 8/30 @1352 but no vials recv for PZ111SS (also recv 3 vials PZ114AS 8/29 @13:58)
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, O&G, and any container with a septum cap. All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☑Yes ☐No ☐N/A	8	(Circle) (HNO3) (H2SO4) NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		9.	Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		10.	Present Absent
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	11	
Headspace Wisconsin Sulfide	☐Yes ☐No ☑N/A	12	
Trip Blank Present: ☑Yes ☐No Custody Seals	☑Yes ☐No	13	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Sample Container Count

CLIENT: Republic MO LF

COC PAGE 1 of 2
COC ID# 2116809

Project # 501788 59

Sample Line Item	DG9H / VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	SBS Bulk Kit R	Matrix SI/Wt/NAL (Soil/Water/Non-Aqueous Liquid)	pH <2	pH >9	pH>12
1	3					1						1		1	1			WT	✓		
2	3					1						1		1	1				✓		
3	3					1						1		1	1				✓		
4	3					1						1		1	1				✓		
5	3					1						1		1	1				✓		
6	3					1						1		1	1				✓		
7	3					1						1		1	1				✓		
8	3					1						1		1	1				✓		
9	3					1						1		1	1				✓		
10	3					1						1		1	1				✓		
11	3					1						1		1	1				✓		
12	3					1						1		1	1				✓		

Container Codes

Glass

DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass
DG9U	40mL unpreserved **amber** vial	AG2S	500mL H2SO4 amber glass
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber
VG9U	40mL unpreserved **clear** vial	AG3U	250mL unpreserved amber glass
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass
WGFU	4oz clear soil jar	BG1T	1 liter Na Thiosulfate clear glass
JGFU	4oz unpreserved amber wide	BG1U	1 liter unpreserved glass

Plastic / Misc.

BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
BP1S	1 liter H2SO4 plastic		
BP1U	1 liter unpreserved plastic	AF	Air Filter
BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
BP2O	500mL NaOH plastic	U	Summa Can
BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3S	250mL H2SO4 plastic		

Sample Container Count

CLIENT: Republic MOLF

COC PAGE 2 of 2
COC ID# 2116810

Project # 5017 8859

Sample Line Item	DG9H / VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	SBS Bulk Kit DI R				Matrix SI/WT/NAL (Soil/Water/Non-Aqueous Liquid)	pH <2	pH >9	pH>12
1	3					1						1		1	1						WT	✓		
2	3					1						1		1	1							✓		
3	3					1						1		1	1							✓		
4						1						1		1	1							✓		
5	3																							
6	3																							
7	3		PZ114AS 8/30 @ 13:52																					
8																								
9																								
10																								
11																								
12																								

Container Codes

Glass

DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass	BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass	BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass	BP1S	1 liter H2SO4 plastic		
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass	BP1U	1 liter unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass	BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
DG9U	40mL unpreserved **amber** vial	AG2S	500mL H2SO4 amber glass	BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass	BP2O	500mL NaOH plastic	U	Summa Can
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber	BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
VG9U	40mL unpreserved **clear** vial	AG3U	250mL unpreserved amber glass	BP2U	500mL unpreserved plastic		
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass	BP2Z	500mL NaOH, Zn Ac		
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass	BP3B	250mL NaOH plastic		
WGFU	4oz clear soil jar	BG1T	1 liter Na Thiosulfate clear glass	BP3N	250mL HNO3 plastic		
JGFU	4oz unpreserved amber wide	BG1U	1 liter unpreserved glass	BP3S	250mL H2SO4 plastic		

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-100-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl) 485.75

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 1517 | Casing Diameter (inches): 2

Initial Water Level (ft): 29.24 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 29.32 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 456.51 | Total Volume Purged (mL): 9,200 mL

Ground Water Elev Previous Event (ft, msl): 456.43 | Purged Dry?: Yes No ✓

HHT WL

Well Total Depth (ft): Top of pump = 89.31 | Water Level after Purge (feet): 48.55

Well Total Depth Previous Event (ft): Top of pump = 89.33 May 2017 | Date/Time Completed: 8/29/2017 1543

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 47 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 96 ft | Average Purge Rate: 354 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 4,500 mL prior to first reading								
1530	4,500	17.3	6.98	779	7.66	0.97	-42	WL: 38.84
1534	6,100	17.2	6.98	775	8.53	1.12	-26	WL: 40.95
1539	7,900	17.5	7.00	778	6.95	2.10	-10	WL: 46.09
1543	9,200	17.6	7.01	772	7.09	2.54	Ø	WL: 48.55

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-100-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 48.55

Well Collection Sequence #: 7 of 15

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 1544	354	17.6	7.01	772	7.09	2.54	Ø	Clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/29/2017 0730

End of day: (Date/time) 8/29/2017 1850

Turbidity Meter: HF MicroTPW

Turb Meter S/N: # 20111005J

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: # 08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: # 09420084

Purging Event Start of day	Purging Event End of day		Sampling Event Start of day	Sampling Event End of day	
0.01	N/A	NTU std = 0.02	N/A	0.11	NTU std = 0.02
9.87	N/A	NTU std = 10.0	N/A	10.01	NTU std = 10.0
994.4	N/A	NTU std = 1,000	N/A	1022	NTU std = 1,000
1431	N/A	µS std = 1,413	N/A	1412	µS std = 1,413
Cell Const: 0.495	Cell Const: N/A	Cell Const Range: 0.45 - 0.50	Cell Const: N/A	Cell Const: 0.495	Cell Const Range: 0.45 - 0.50
4.12	N/A	pH std = 4.00 @ 17.5 °C	N/A	4.25	pH std = 4.00 @ 18.7 °C
7.04	N/A	pH std = 7.03 @ 17.3 °C	N/A	7.04	pH std = 7.03 @ 17.6 °C
Slope: 0.94	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25	Slope: N/A	Slope: 1.10	Dissolved O_2 Slope Range: 0.6 to 1.25
@ Temp 18.1°C	@ Temp N/A		@ Temp N/A	@ Temp 22.2°C	
256	N/A	ORP std: 240 ± 20 mV @ 25°C	N/A	240	ORP std: 240 ± 20 mV @ 25°C

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Mostly Sunny, 80°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 1,000 µS; Historical Range from Oct 2013 - May 2017: 618 - 835 µS.

pH Prediction Limits = 6.6 - 8.0 s.u.; Historical Range from Oct 2013 - May 2017: 6.95 - 7.27 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-100-SD

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 485.72

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 1427 | Casing Diameter (inches): 2

Initial Water Level (ft): 30.57 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 30.50 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 455.15 | Total Volume Purged (mL): 15,650 mL

Ground Water Elev Previous Event (ft, msl): 455.22 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = 96.24 | Water Level after Purge (feet): 59.60

Well Total Depth Previous Event (ft): Top of pump = 96.21 May 2017 | Date/Time Completed: 8/29/2017 1506

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 50 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 247 ft

Average Purge Rate: 401 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 11,000 mL prior to first reading								
1454	11,000	17.0	7.12	600	7.83	0.37	-97	WL: 51.79
1458	12,340	17.2	7.15	603	9.31	0.33	-95	WL: 53.82
1502	14,000	17.0	7.14	601	7.01	0.33	-94	WL: 56.84
1506	15,650	17.0	7.13	600	8.89	0.30	-94	WL: 59.60

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-100-SD

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 59.60

Well Collection Sequence #: 6 of 15

Parameters: Annual: Semi-Annual: Quarterly: ✓ Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 1507	401	17.0	7.13	600	8.89	0.30	-94	Clear

INSTRUMENT CALIBRATION DATA:

	Purging Event				Sampling Event			
	Start of day	End of day			Start of day	End of day		
Start of day: (Date/Time) 8/29/2017 0780	0.01	N/A	NTU std =	0.02	N/A	0.11	NTU std =	0.02
End of day: (Date/time) 8/29/2017 1950	9.87	N/A	NTU std =	10.0	N/A	10.01	NTU std =	10.0
Turbidity Meter: HF MicroTPW	994.4	N/A	NTU std =	1,000	N/A	1022	NTU std =	1,000
Turb Meter S/N: #20111005T	1431	N/A	µS std =	1,413	N/A	1412	µS std =	1,413
	Cell Const:	Cell Const:	Cell Const Range:	0.45 - 0.50	Cell Const:	Cell Const:	Cell Const Range:	0.45 - 0.50
pH / Sp. Cond. Meter: WTW pH/Cond 3400i	0.495	N/A			N/A	0.495		
	4.12	N/A	pH std = 4.00 @ 17.5°C		N/A	7.04 (w) 4.25	pH std = 4.00 @ 18.7°C	
pH / Sp. Cond. Meter S/N: # 08200255	7.04	N/A	pH std = 7.03 @ 12.3°C		N/A	(B) 7.04	pH std = 7.03 @ 17.6 °C	
	Slope: 0.94	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 22.2°C	Dissolved O_2 Slope Range: 22.2°C 0.6 to 1.25	
ORP / Diss O_2 Meter: WTW pH/Oxi 3400i	@ Temp 18.1°C	@ Temp N/A			@ Temp N/A	@ Temp 240		
ORP / Diss O_2 Meter S/N: #09480084	256	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Mostly Sunny, 80°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 710 µS; Historical Range from Oct 2013 - May 2017: 567 - 635 µS.

pH Prediction Limits = 6.6 - 8.2 s.u.; Historical Range from Oct 2013 - May 2017: 7.08 - 7.48 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-104-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl) 483.45

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/30/2017 1002 | Casing Diameter (inches): 2

Initial Water Level (ft): 20.24 | One Borehole Volume (gal): Not Applicable

LHH
1HP
1

Initial Water Level Previous Event (ft): 19.09 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 463.21 | Total Volume Purged (mL): 11,000

Ground Water Elev Previous Event (ft, msl): 464.36 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = 140.59 | Water Level after Purge (feet): 42.05

Well Total Depth Previous Event (ft): Top of pump = 140.29 May 2017 | Date/Time Completed: 8/30/2017 1035

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 75 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 147 ft

Average Purge Rate: 333 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 7,000 mL prior to first reading								
1023	7,000	27.4	6.60	797	10.62	1.12	-150	WL: 34.80
1027	8,300	27.4	6.67	801	13.12	0.79	-154	WL: 37.28
1031	9,650	27.4	6.64	800	15.18	0.66	-160	WL: 39.89
1035	11,000	27.4	6.63	803	13.82	0.49	-162	WL: 42.05

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-104-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 42.05

Well Collection Sequence #: 11 of 15

Parameters: Annual: Semi-Annual: Quarterly: ✓ Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/30/2017 1086	333	27.4	6.63	803	13.82	0.49	-162	Clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/30/2017 0730

End of day: (Date/time) 8/30/2017 1600

Turbidity Meter: HF MicroTPW

Turb Meter S/N: #20111005T

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: #09200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: #09480084

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.03	N/A	NTU std =	0.02	N/A	0.10	NTU std =	0.02
9.94	N/A	NTU std =	10.0	N/A	11.17	NTU std =	10.0
1002	N/A	NTU std =	1,000	N/A	1084	NTU std =	1,000
1434	N/A	µS std =	1,413	N/A	1406	µS std =	1,413
Cell Const: 0.496	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.496	Cell Const Range:	0.45 - 0.50
7.04	N/A	pH std =	7.03 @ 17.0 °C	N/A	6.95	pH std =	7.02 @ 19.9 °C
4.15	N/A	pH std =	4.00 @ 17.4 °C	N/A	4.21	pH std =	4.00 @ 19.8 °C
Slope: 0.98	Slope: N/A	Dissolved O_2 Slope Range:	0.6 to 1.25	Slope: N/A	Slope: 1.09	Dissolved O_2 Slope Range:	0.6 to 1.25
@ Temp 17.4°C	@ Temp N/A			@ Temp N/A	@ Temp 23.6°C		
253	N/A	ORP std:	240 ± 20 mV @ 25°C	N/A	240	ORP std:	240 ± 20 mV @ 25°C

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 70°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 930 µS; Historical Range from Oct 2013 - May 2017: 770 - 882 µS.

pH Prediction Limits = 6.2 - 8.5 s.u.; Historical Range from Oct 2013 - May 2017: 6.5 - 7.1 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) N # Bottles Collected: 7

Date: 8/30/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-104-SD

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 483.51

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/30/2017 0843 | Casing Diameter (inches): 2

Initial Water Level (ft): 21.41 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 20.01 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 462.10 | Total Volume Purged (mL): 15,150 mL

Ground Water Elev Previous Event (ft, msl): 463.50 | Purged Dry?: Yes No ✓

LHT Well Total Depth (ft): Top of pump = 120.59 | Water Level after Purge (feet): 26.45

LHT Well Total Depth Previous Event (ft): Top of pump = 120.62 May 2017 | Date/Time Completed: 8/30/2017 0929

LHT PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 65 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 247 ft | Average Purge Rate: 328 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 11,500 mL prior to first reading								
0917	11,500	27.3	6.81	2010	5.30	3.76	-186	WL: 25.42
0921	12,400	27.3	6.81	2140	4.23	0.92	-186	WL: 25.62
0925	13,800	27.2	6.80	2130	4.50	2.11	-135	WL: 25.90
0929	15,150	26.9	6.79	2000	5.00	1.22	-133	WL: 26.45

Water is aerated

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION: Sample Point ID: PZ-104-SD

Sampling Method: Bladder Pump Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 26.45 Well Collection Sequence #: 10 of 15

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/30/2017 0930	328	26.9	6.79	2,000	5.00	1.22	-133	Clear; aerated

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/30/2017 0730

End of day: (Date/time) 8/30/2017 1600

Turbidity Meter: HF MicroTPW

Turb Meter S/N: # 20111005I

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: *08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: *09480094

Purging Event Start of day	Purging Event End of day			Sampling Event Start of day	Sampling Event End of day		
0.03	N/A	NTU std =	0.02	N/A	0.10	NTU std =	0.02
9.94	N/A	NTU std =	10.0	N/A	11.17	NTU std =	10.0
1002	N/A	NTU std =	1,000	N/A	1034	NTU std =	1,000
1434	N/A	µS std =	1,413	N/A	1406	µS std =	1,413
Cell Const: 0.496	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.496	Cell Const Range:	0.45 - 0.50
7.04 @ 14.3°C	N/A	pH std = 7.03 @ 17.9°C		N/A	6.95 @ 7.04 @ 14.4°C	pH std = 7.02 @ 17.5°C	
4.15	N/A	pH std = 4.00 @ 17.4°C		N/A	4.21	pH std = 4.00 @ 19.8°C	
Slope: 0.98	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 1.09	Dissolved O_2 Slope Range: 0.6 to 1.25	
@ Temp 17.4°C	@ Temp N/A			@ Temp N/A	@ Temp 23.6°C		
253	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 70°F

Sample Characteristics: Aerated; clear

COMMENTS AND OBSERVATIONS:

Sp. cond within @ first limit range

* Notable to keep bubbles from VOC sample

Sp. Cond. Prediction Limit = 1,500 µS; Historical Range from Oct 2013 - May 2017: 1345 - 2110 µS.

pH Prediction Limits = 6.2 - 8.2 s.u.; Historical Range from Oct 2013 - May 2017: 6.44 - 6.96 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

collect Field Blank @ PZ-104-SD @ 0825 ; collect PZ-104-SD DUP

Date: 8/30/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-105-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 483.51

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 1757 | Casing Diameter (inches): 2

Initial Water Level (ft): 23.32 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 22.16 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 460.19 | Total Volume Purged (mL): 11,100

Ground Water Elev Previous Event (ft, msl): 461.35 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = 144.98 | Water Level after Purge (feet): 44.82

Well Total Depth Previous Event (ft): Top of pump = 144.82 May 2017 | Date/Time Completed: 8/29/2017 1831

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 75 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 151 ft | Average Purge Rate: 326 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 7,000 mL prior to first reading								
1819	7,000	21.6	7.06	1071	8.85	1.63	-122	WL: 36.22
1823	8,250	21.5	7.04	1072	7.55	0.93	-120	WL: 39.54
1827	9,650	21.5	7.03	1061	7.06	1.13	-122	WL: 42.13
1831	11,100	21.4	7.02	1053	8.49	1.61	-102	WL: 44.82

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-105-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 44.82

Well Collection Sequence #: 9 of 15

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 1032	326	21.4	7.02	1053	8.49	1.61	-102	Clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/29/2017 0730

End of day: (Date/time) 8/29/2017 1350

Turbidity Meter: HF MicroTPW

Turb Meter S/N: # 20111005T

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: #08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: #09480084

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.01	N/A	NTU std =	0.02	N/A	0.11	NTU std =	0.02
9.87	N/A	NTU std =	10.0	N/A	10.01	NTU std =	10.0
994.4	N/A	NTU std =	1,000	N/A	1022	NTU std =	1,000
1431	N/A	µS std =	1,413	N/A	1412	µS std =	1,413
Cell Const: 0.495	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.495	Cell Const Range:	0.45 - 0.50
4.12	N/A	pH std =	4.00 @ 25 °C	N/A	4.25	pH std =	4.00 @ 18.7 °C
7.04	N/A	pH std =	7.03 @ 23 °C	N/A	7.04	pH std =	7.03 @ 17.6 °C
Slope: 0.94	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 1.10	Dissolved O_2 Slope Range: 0.6 to 1.25	
@ Temp 18.1°C	@ Temp N/A			@ Temp N/A	@ Temp 22.2°C		
256	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 70°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 1,100 µS; Historical Range from Oct 2013 - May 2017: 942 - 1087 µS.

pH Prediction Limits = 6.7 - 8.3 s.u.; Historical Range from Oct 2013 - May 2017: 7.01 - 7.52 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: **Feezor Engineering, Inc.**

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-106-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 462.71

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 1045 | Casing Diameter (inches): 2

Initial Water Level (ft): 14.26 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 13.09 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 448.45 | Total Volume Purged (mL): 11,850 mL

Ground Water Elev Previous Event (ft, msl): 449.62 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = N/A | Water Level after Purge (feet): 32.01

Well Total Depth Previous Event (ft): Top of pump = 161.39 May 2017 | Date/Time Completed: 8/29/2017 1125

PURGE DATA: Discharge: 4.5 sec | Refill: 6.0 sec | Pressure: ~~40~~ 50 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 167 ft | Average Purge Rate: 296 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge ~~8~~500 mL prior to first reading								
1113	8,500	23.6	6.87	1037	6.01	0.23	-145	WL: 27.56
1117	9,550	23.5	6.85	1034	7.39	0.22	-143	WL: 28.86
1121	10,700	23.4	6.85	1031	9.90	0.19	-139	WL: 30.43
1125	11,850	23.4	6.84	1026	7.23	0.19	-143	WL: 32.01

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-106-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 32.01

Well Collection Sequence #: 3 of 15

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 1126	296	23.4	6.84	1026	7.23	0.19	-143	Clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/29/2017 0730

End of day: (Date/time) 8/29/2017 1850

Turbidity Meter: HF MicroTPW

Turb Meter S/N: #20110051

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: #08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: #09480084

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.01	N/A	NTU std =	0.02	N/A	0.11	NTU std =	0.02
9.87	N/A	NTU std =	10.0	N/A	10.01	NTU std =	10.0
994.4	N/A	NTU std =	1,000	N/A	1022	NTU std =	1,000
1431	N/A	µS std =	1,413	N/A	1412	µS std =	1,413
Cell Const: 0.495	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.495	Cell Const Range:	0.45 - 0.50
4.12	N/A	pH std =	4.00 @ 17.5 °C	N/A	4.25	pH std =	4.00 @ 18.7 °C
7.04	N/A	pH std =	7.03 @ 17.3 °C	N/A	7.04	pH std =	7.03 @ 12.6 °C
Slope: 0.94	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 1.10	Dissolved O_2 Slope Range: 0.6 to 1.25	
@ Temp 18.1°C	@ Temp N/A			@ Temp N/A	@ Temp 22.2°C		
256	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: P. Cloudy, 75°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 950 µS; Historical Range from Oct 2013 - May 2017: 710 - 987 µS.

pH Prediction Limits = 6.3 - 8.3 s.u.; Historical Range from Oct 2013 - May 2017: 6.89 - 7.26 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-106-SD

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl) 463.36

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 0939 | Casing Diameter (inches): 2

Initial Water Level (ft): 14.52 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 13.62 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 448.86 | Total Volume Purged (mL): 13,650 mL

Ground Water Elev Previous Event (ft, msl): 449.74 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = N/A | Water Level after Purge (feet): 21.00

Well Total Depth Previous Event (ft): Top of pump = 196.45 May 2017 | Date/Time Completed: 8/29/2017 1025

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 55 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 203 ft | Average Purge Rate: 297 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 10,000 mL prior to first reading								
1013	10,000	23.7	6.94	1409	4.88	6.77	-163	WL: 20.49
1017	11,100	23.7	6.93	1417	3.80	7.76	-161	WL: 20.65
1021	12,300	23.7	6.91	1417	3.54	7.77	-162	WL: 20.80
1025	13,650	23.7	6.90	1413	3.71	7.53	-165	WL: 21.00

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-106-SD

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 21.00

Well Collection Sequence #: 2 of 15

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 1026	297	23.7	6.90	1413	3.71	7.53	-165	Clear

INSTRUMENT CALIBRATION DATA:

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.01	N/A	NTU std =	0.02	N/A	0.11	NTU std =	0.02
9.87	N/A	NTU std =	10.0	N/A	10.01	NTU std =	10.0
994.4	N/A	NTU std =	1,000	N/A	1022	NTU std =	1,000
1431	N/A	µS std =	1,413	N/A	1412	µS std =	1,413
Cell Const: 0.495	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.493	Cell Const Range:	0.45 - 0.50
4.12	N/A	pH std =	4.00 @ 17.5°C	N/A	4.25	pH std =	4.00 @ 18.7°C
7.04	N/A	pH std =	7.03 @ 17.3°C	N/A	7.04	pH std =	7.03 @ 17.6°C
Slope: 0.96	Slope: N/A	Dissolved O_2 Slope Range:	0.6 to 1.25	Slope: N/A	Slope: 1.10	Dissolved O_2 Slope Range:	0.6 to 1.25
@ Temp 18.1°C	@ Temp N/A			@ Temp N/A	@ Temp 22.2°C		
256	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Start of day: (Date/Time) 8/29/2017 0730

End of day: (Date/time) 8/29/2017 1850

Turbidity Meter: HF MicroTPW

Turb Meter S/N: #20111005

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: #08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: #04480084

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: P. Cloudy, 75°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. cond within recent historical limits

Sp. Cond. Prediction Limit = 1,200 µS; Historical Range from Oct 2013 - May 2017: 827 - 6120 µS.

pH Prediction Limits = 6.5 - 8.0 s.u.; Historical Range from Oct 2013 - May 2017: 6.54 - 6.97 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-107-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 464.56

PURGE INFORMATION:

Method of Well Purge: Waterra Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/30/2017 1430 | Casing Diameter (inches): 2

Initial Water Level (ft): 31.67 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 31.29 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 432.89 | Total Volume Purged (mL): 9,100 mL

Ground Water Elev Previous Event (ft, msl): 433.27 | Purged Dry?: Yes No ✓

Well Total Depth (ft): 103.80 | Water Level after Purge (feet): Not Applicable

Well Total Depth Previous Event (ft): 103.67 May 2017 | Date/Time Completed: 8/30/2017 1505

PURGE DATA: Discharge: N/A sec Refill: N/A sec Pressure: N/A psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

Average Purge Rate: 260 mL / min Difficult to maintain consistent purge rate

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 6,000 mL prior to first reading								
1453	6,000	22.2	6.59	2820	30.26	0.76	-95	Clear
1457	6,400	20.4	6.57	2800	27.92	0.47	-94	Clear
1501	7,850	20.3	6.66	2700	14.75	4.99	-88	Clear; aerated
1505	9,100	20.7	6.69	2680	11.84	4.91	-85	Clear; aerated

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-107-SS

Sampling Method: Waterra Pump

Dedicated: Yes ✓ No ____

Water Level After @ Sampling (ft): 50.60

Well Collection Sequence #: 15 of 15

Parameters: Annual: ___ Semi-Annual: ___ Quarterly: ___ Monthly: ___ Other: ✓ Additional Sampling

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/30/2017 1506	260	20.7	6.69	2680	11.84	4.91	-85	Clear; aerated

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/30/2017 0730

End of day: (Date/time) 8/30/2017 1600

Turbidity Meter: HF MicroTPW

Turb Meter S/N: # 20111005

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: # 08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: # 04480084

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.03	N/A	NTU std =	0.02	N/A	0.10	NTU std =	0.02
9.94	N/A	NTU std =	10.0	N/A	11.17	NTU std =	10.0
1002	N/A	NTU std =	1,000	N/A	1034	NTU std =	1,000
1434	N/A	µS std =	1,413	N/A	1406	µS std =	1,413
Cell Const: 0.496	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.496	Cell Const Range:	0.45 - 0.50
7.04	N/A	pH std = 7.03 @ 17.0 °C		N/A	6.95	pH std = 7.02 @ 19.9 °C	
4.15	N/A	pH std = 4.00 @ 17.4 °C		N/A	4.21	pH std = 4.00 @ 19.8 °C	
Slope: 0.98	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 1.09	Dissolved O_2 Slope Range: 0.6 to 1.25	
@ Temp 17.4°C	@ Temp N/A			@ Temp N/A	@ Temp 23.6°C		
253	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 80°F

Sample Characteristics: Clear; aerated

COMMENTS AND OBSERVATIONS:

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 3 (VOCs only)

Date: 8/30/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-109-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 460.19

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/30/2017 1208 | Casing Diameter (inches): 2

Initial Water Level (ft): 19.84 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 20.67 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 440.35 | Total Volume Purged (mL): 10,250 mL

Ground Water Elev Previous Event (ft, msl): 439.52 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = 130.86 | Water Level after Purge (feet): 41.01

Well Total Depth Previous Event (ft): Top of pump = 130.98 May 2017 | Date/Time Completed: 8/30/2017 1238

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 70 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 138 ft

Average Purge Rate: 342 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 6,500 mL prior to first reading								
1220	6,500	22.2	6.98	783	9.47	0.93	-19	WL: 33.19
1230	7,950	22.3	7.01	774	6.75	0.87	-14	WL: 36.01
1234	9,300	22.4	6.99	781	7.25	0.94	-8	WL: 38.70
1238	10,250	22.5	6.99	770	7.08	0.89	-8	WL: 41.01

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-109-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 41.01

Well Collection Sequence #: 13 of 15

Parameters: Annual: Semi-Annual: Quarterly: ✓ Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/30/2017 1234	342	22.5	6.99	770	7.08	0.89	-8	Clear

INSTRUMENT CALIBRATION DATA:

	Purging Event				Sampling Event			
	Start of day	End of day			Start of day	End of day		
Start of day: (Date/Time) 8/30/2017 0730	0.03	N/A	NTU std =	0.02	N/A	0.10	NTU std =	0.02
End of day: (Date/time) 8/30/2017 1600	9.94	N/A	NTU std =	10.0	N/A	11.17	NTU std =	10.0
Turbidity Meter: HF MicroTPW	1002	N/A	NTU std =	1,000	N/A	1034	NTU std =	1,000
Turb Meter S/N: #20111005	1434	N/A	µS std =	1,413	N/A	1406	µS std =	1,413
	Cell Const:	Cell Const:	Cell Const Range:	0.45 - 0.50	Cell Const:	Cell Const:	Cell Const Range:	0.45 - 0.50
pH / Sp. Cond. Meter: WTW pH/Cond 3400i	0.496	N/A			N/A	0.496		
	7.04	N/A	pH std = 7.03 @ 17.0 °C		N/A	6.95	pH std = 7.02 @ 19.9 °C	
pH / Sp. Cond. Meter S/N: #08200255	4.15	N/A	pH std = 4.00 @ 17.4		N/A	4.21	pH std = 4.00 @ 19.8 °C	
	Slope:	Slope:	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope:	Slope:	Dissolved O_2 Slope Range: 0.6 to 1.25	
ORP / Diss O_2 Meter: WTW pH/Oxi 3400i	0.98	N/A			N/A	1.09		
	@ Temp 17.4 °C	@ Temp N/A			@ Temp N/A	@ Temp 23.6 °C		
ORP / Diss O_2 Meter S/N: # 09480084	253	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 80°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 990 µS; Historical Range from Oct 2013 - May 2017: 715 - 829 µS.

pH Prediction Limits = 6.5 - 8.0 s.u.; Historical Range from Oct 2013 - May 2017: 6.97 - 7.36 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/30/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-111-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl) Not Available

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/30/2017 1348 | Casing Diameter (inches): 2

WLT Initial Water Level (ft): 31.98 | One Borehole Volume (gal): Not Applicable

WLT Initial Water Level Previous Event (ft): N/A | One Borehole Volume Previous Event (gal): N/A

11 Ground Water Elevation (ft, msl): N/A | Total Volume Purged (mL): 12,750

Ground Water Elev Previous Event (ft, msl): N/A | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = N/A | Water Level after Purge (feet): 32.68

Well Total Depth Previous Event (ft): N/A | Date/Time Completed: 8/30/2017 1351

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 65 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

Measured TD: 115.30 Average Purge Rate: 386 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 5,000 mL prior to first reading								
1331	5,000	18.3	6.84	2720	129.3	1.67	-63	WL: 32.65
1335	6,250	18.4	6.85	2520	94.02	1.30	-32	WL: 32.68
1339	8,000	18.3	6.86	2240	90.89	1.13	-19	WL: 32.68
1343	9,600	18.3	6.85	2090	62.19	1.21	-12	WL: 32.68
1347	11,170	18.1	6.86	1997	45.49	1.19	-9	WL: 32.68
1351	12,750	18.4	6.85	1979	36.47	1.12	-10	WL: 32.68

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-111-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 32.68

Well Collection Sequence #: 14 of 15

Parameters: Annual: Semi-Annual: Quarterly: ✓ Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/30/2017 1352	386	18.4	6.85	1979	36.47	1.12	-10	Clear to cloudy

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/30/2017 0730

End of day: (Date/time) 8/30/2017 1600

Turbidity Meter: HF MicroTPW

Turb Meter S/N: #20111005

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: #08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: #09480084

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.03	N/A	NTU std =	0.02	N/A	0.10	NTU std =	0.02
9.94	N/A	NTU std =	10.0	N/A	11.17	NTU std =	10.0
1002	N/A	NTU std =	1,000	N/A	1034	NTU std =	1,000
1434	N/A	µS std =	1,413	N/A	1406	µS std =	1,413
Cell Const: 0.496	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.496	Cell Const Range:	0.45 - 0.50
7.04	N/A	pH std = 7.03 @ 17.0 °C		N/A	6.95	pH std = 7.02 @ 19.9 °C	
4.15	N/A	pH std = 4.00 @ 17.4 °C		N/A	4.21	pH std = 4.00 @ 19.8 °C	
Slope: 0.98	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 1.09	Dissolved O_2 Slope Range: 0.6 to 1.25	
@ Temp 17.4°C	@ Temp N/A			@ Temp N/A	@ Temp 23.6°C		
253	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: P. Cloudy, SW Lt. Breeze, 80°F

Sample Characteristics: Clear to cloudy

COMMENTS AND OBSERVATIONS:

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/30/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-111-SD

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 466.46

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 1620 | Casing Diameter (inches): 2

Initial Water Level (ft): 33.43 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 36.08 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 433.03 | Total Volume Purged (mL): 13,100 mL

Ground Water Elev Previous Event (ft, msl): 430.38 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = N/A | Water Level after Purge (feet): 59.35

Well Total Depth Previous Event (ft): Top of pump = 197.08 May 2017 | Date/Time Completed: 8/29/2017 1701

PURGE DATA: Discharge: 4.0 sec Refill: 7.0 sec Pressure: 70 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 212 ft | Average Purge Rate: 320 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 9,500 mL prior to first reading								
1649	9,500	18.3	7.06	809	4.08	0.65	-92	WL: 52.50
1653	10,700	18.5	7.07	801	12.36	0.70	-89	WL: 54.85
1657	11,770	18.3	7.07	795	5.52	0.69	-87	WL: 57.03
1701	13,100	18.4	7.08	803	4.58	1.73	-86	WL: 59.35

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION: Sample Point ID: PZ-111-SD

Sampling Method: Bladder Pump Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 59.35 Well Collection Sequence #: 8 of 15

Parameters: Annual: Semi-Annual: Quarterly: ✓ Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 1702	320	18.4	7.08	803	4.58	1.73	-86	clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/29/2017 0730

End of day: (Date/time) 8/29/2017 1850

Turbidity Meter: HF MicroTPW

Turb Meter S/N: # 20111005

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: # 08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: # 09480084

Purging Event Start of day	Purging Event End of day		Sampling Event Start of day	Sampling Event End of day	
0.01	N/A	NTU std = 0.02	N/A	0.11	NTU std = 0.02
9.87	N/A	NTU std = 10.0	N/A	10.01	NTU std = 10.0
994.4	N/A	NTU std = 1,000	N/A	1022	NTU std = 1,000
1431	N/A	µS std = 1,413	N/A	1412	µS std = 1,413
Cell Const: 0.495	Cell Const: N/A	Cell Const Range: 0.45 - 0.50	Cell Const: N/A	Cell Const: 0.495	Cell Const Range: 0.45 - 0.50
4.12	N/A	pH std = 4.00 @ 17.5°C	N/A	4.25	pH std = 4.00 @ 18.7°C
7.04	N/A	pH std = 7.03 @ 17.3°C	N/A	7.04	pH std = 7.03 @ 17.6°C
Slope: 0.94	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25	Slope: N/A	Slope: 1.10	Dissolved O_2 Slope Range: 0.6 to 1.25
@ Temp 18.1°C	@ Temp N/A		@ Temp N/A	@ Temp 22.2°C	
256	N/A	ORP std: 240 ± 20 mV @ 25°C	N/A	240	ORP std: 240 ± 20 mV @ 25°C

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Mostly Sunny, 75°F

Sample Characteristics:

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 1,000 µS; Historical Range from Oct 2013 - May 2017: 697 - 853 µS.

pH Prediction Limits = 6.4 - 8.1 s.u.; Historical Range from Oct 2013 - May 2017: 7.01 - 7.43 s.u.

Well Closed and Locked? Y / N Full Suite Collected? Y / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-114-AS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 451.26

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 1340 | Casing Diameter (inches): 2

Initial Water Level (ft): 18.52 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 15.98 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 432.74 | Total Volume Purged (mL): 6,300

Ground Water Elev Previous Event (ft, msl): 435.28 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = 26.35 | Water Level after Purge (feet): 18.52

Well Total Depth Previous Event (ft): Top of pump = 26.04 May 2017 | Date/Time Completed: 8/29/2017 1357

PURGE DATA: Discharge: 3.0 sec Refill: 5.0 sec Pressure: 20 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 32 ft | Average Purge Rate: 371 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 2,000 mL prior to first reading								
1345	2,000	17.2	6.46	2280	15.21	0.22	-129	WL: 18.52
1349	3,400	17.2	6.47	2260	9.63	0.20	-134	WL: 18.58
1353	4,750	17.2	6.47	2280	7.84	0.15	-136	WL: 18.52
1357	6,300	17.4	6.46	2280	10.11	0.14	-138	WL: 18.52

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-114-AS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 18.52

Well Collection Sequence #: 5 of 15

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 1358	371	17.4	6.46	7280	10.4	0.64	-132	Clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/29/2017 0732

End of day: (Date/time) 8/29/2017 1856

Turbidity Meter: HF MicroTPW

Turb Meter S/N: # 20111005

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: # 08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: # 09480084

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.01	N/A	NTU std =	0.02	N/A	0.11	NTU std =	0.02
9.87	N/A	NTU std =	10.0	N/A	10.01	NTU std =	10.0
994.4	N/A	NTU std =	1,000	N/A	1022	NTU std =	1,000
1431	N/A	µS std =	1,413	N/A	1412	µS std =	1,413
Cell Const: 0.495	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.495	Cell Const Range:	0.45 - 0.50
4.12	N/A	pH std = 4.00	@ 17.5 °C	N/A	4.25	pH std = 4.00	@ 18.7 °C
7.04	N/A	pH std = 7.03	@ 17.3 °C	N/A	7.04	pH std = 7.03	@ 17.6 °C
Slope: 0.94	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 1.10	Dissolved O_2 Slope Range: 0.6 to 1.25	
@ Temp 18.1 °C	@ Temp N/A			@ Temp N/A	@ Temp 22.2 °C		
256	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: P. Cloudy, ~~75~~ (JJ) 80°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 3,400 µS; Historical Range from Oct 2013 - May 2017: 1556 - 2740 µS.

pH Prediction Limits = 6.2 - 7.0 s.u.; Historical Range from Oct 2013 - May 2017: 6.53 - 6.72 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: **Feezor Engineering, Inc.**

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-115-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 452.27

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 1258 | Casing Diameter (inches): 2

Initial Water Level (ft): 14.14 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 10.80 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 438.13 | Total Volume Purged (mL): 8,600

Ground Water Elev Previous Event (ft, msl): 441.47 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = 81.09 | Water Level after Purge (feet): 20.18

Well Total Depth Previous Event (ft): Top of pump = 81.03 May 2017 | Date/Time Completed: 8/29/2017 1325

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 45 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 87 ft | Average Purge Rate: 319 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 4,500 mL prior to first reading								
1313	4,500	17.2	6.58	2550	10.67	1.04	-81	WL: 18.05
1317	6,150	17.2	6.55	2490	11.49	0.42	-79	WL: 18.58
1321	7,150	16.7	6.56	2330	7.92	0.44	-78	WL: 19.55
1325	8,600	16.9	6.57	2350	12.61	0.70	-79	WL: 20.18

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-115-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 20.28

Well Collection Sequence #: 4 of 15

Parameters: Annual: Semi-Annual: Quarterly: ✓ Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 1326	319	16.9	6.57	2350	12.61	0.70	-79	Clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/29/2017 0730

End of day: (Date/time) 8/29/2017 1850

Turbidity Meter: HF MicroTPW

Turb Meter S/N: #20111 0051

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: #082 00255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: #09490086

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.01	N/A	NTU std =	0.02	N/A	0.11	NTU std =	0.02
9.87	N/A	NTU std =	10.0	N/A	10.01	NTU std =	10.0
994.4	N/A	NTU std =	1,000	N/A	1022	NTU std =	1,000
1431	N/A	µS std =	1,413	N/A	1412	µS std =	1,413
Cell Const: 0.495	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.495	Cell Const Range:	0.45 - 0.50
4.12	N/A	pH std = 4.00 @ 17.5°C		N/A	4.25	pH std = 4.00 @ 18.7°C	
7.04	N/A	pH std = 7.03 @ 17.3°C		N/A	7.04	pH std = 7.03 @ 17.6°C	
Slope: 0.94	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 1.10	Dissolved O_2 Slope Range: 0.6 to 1.25	
@ Temp 18.1°C	@ Temp N/A			@ Temp N/A	@ Temp 22.2°C		
256	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: P Cloudy. 75°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 3,500 µS; Historical Range from Oct 2013 - May 2017: 1920 - 2740 µS.

pH Prediction Limits = 6.1 - 7.5 s.u.; Historical Range from Oct 2013 - May 2017: 6.55 - 6.88 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-201A-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 480.20

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/30/2017 1124 | Casing Diameter (inches): 2

Initial Water Level (ft): 11.72 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 10.72 May 2017 | One Borehole Volume Previous Event (gal): N/A

HHT

Ground Water Elevation (ft, msl): 468.48 | Total Volume Purged (mL): 8,330 mL

LL

Ground Water Elev Previous Event (ft, msl): 469.48 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = 86.36 | Water Level after Purge (feet): 29.62

Well Total Depth Previous Event (ft): Top of pump = 86.28 May 2017 | Date/Time Completed: 8/30/2017 1146

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 50 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 92 ft | Average Purge Rate: 379 mL / min | unable to purge @ slower rate - flow stops

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 5,000 mL prior to first reading								
1134	5,000	18.6	7.17	762	13.34	1.43	-16	WL: 23.74
1138	6,800	18.5	7.13	765	8.18	1.52	-11	WL: 25.59
1142	7,460	18.7	7.10	771	6.94	1.80	-8	WL: 27.15
1146	8,330	18.5	~~7.10~~ 7.10 (2)	766	8.74	1.63	-2	WL: 29.62

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-201A-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 29.62

Well Collection Sequence #: 12 of 15

Parameters: Annual: Semi-Annual: Quarterly: ✓ Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/30/2017 1147	379	18.5	7.10	766	8.74	1.63	-2	Clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/30/2017 0730

End of day: (Date/time) 8/30/2017 1600

Turbidity Meter: HF MicroTPW

Turb Meter S/N: # 20111005

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: # 08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: # 07480084

Purging Event				Sampling Event			
Start of day	End of day			Start of day	End of day		
0.03	N/A	NTU std =	0.02	N/A	0.10	NTU std =	0.02
9.94	N/A	NTU std =	10.0	N/A	11.17	NTU std =	10.0
1002	N/A	NTU std =	1,000	N/A	1034	NTU std =	1,000
1434	N/A	µS std =	1,413	N/A	1406	µS std =	1,413
Cell Const: 0.496	Cell Const: N/A	Cell Const Range:	0.45 - 0.50	Cell Const: N/A	Cell Const: 0.496	Cell Const Range:	0.45 - 0.50
7.04	N/A	pH std = 7.03 @ 17.0 °C		N/A	6.95	pH std = 7.02 @ 19.9 °C	
4.15	N/A	pH std = 4.00 @ 17.4 °C		N/A	4.21	pH std = 4.00 @ 19.8 °C	
Slope: 0.98	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25		Slope: N/A	Slope: 1.09	Dissolved O_2 Slope Range: 0.6 to 1.25	
@ Temp 17.4°C	@ Temp N/A			@ Temp N/A	@ Temp 23.6°C		
253	N/A	ORP std: 240 ± 20 mV @ 25°C		N/A	240	ORP std: 240 ± 20 mV @ 25°C	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: P. Cloudy, Lt Breeze, 75°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 970 µS; Historical Range from Oct 2013 - May 2017: 745 - 851 µS.

pH Prediction Limits = 6.4 - 8.5 s.u.; Historical Range from Oct 2013 - May 2017: 6.96 - 7.21 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/30/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill | Sample Point ID: PZ-205-SS

Location: Bridgeton, Missouri | Sampler(s): Michael Spurgeon

Sample Matrix: Groundwater | Jonathan Wilkinson

Top of Casing (ft, msl): 465.83

PURGE INFORMATION:

Method of Well Purge: Bladder Pump | Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 8/29/2017 0841 | Casing Diameter (inches): 2

Initial Water Level (ft): 29.67 | One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (ft): 30.00 May 2017 | One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 436.16 | Total Volume Purged (mL): 9,150 mL

Ground Water Elev Previous Event (ft, msl): 435.83 | Purged Dry?: Yes No ✓

Well Total Depth (ft): Top of pump = 93.00 | Water Level after Purge (feet): 47.92

Well Total Depth Previous Event (ft): Top of pump = 92.84 Feb 2017 | Date/Time Completed: 8/29/2017 0903

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 50 psi

Measure field pH, Temp, Specific Conductance, Diss O_2, and Oxidation-Reduction Potential using flow-through cell.

As Built TD ≈ 101 ft

Average Purge Rate: 416 mL / min

Time	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Spec. Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
Purge 4,500 mL prior to first reading								
0851	4,500	20.1	6.96	903	11.32	0.92	108	WL: 39.42
0855	6,870	20.1	7.02	901	12.93	1.04	101	WL: 42.85
0859	7,920	20.2	7.02	899	10.55	1.37	98	WL: 45.80
0903	9,150	20.3	7.02	898	10.89	1.55	95	WL: 47.82

FEEZOR ENGINEERING, INC.

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-205-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 47.82

Well Collection Sequence #: 1 of 15

Parameters: Annual: Semi-Annual: Quarterly: ✓ Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate mL/min	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	ORP (mV)	Notes
8/29/2017 0904	416	20.3	7.02	898	10.89	1.55	95	Clear

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 8/29/2017 0730

End of day: (Date/time) 8/29/2017 1858

Turbidity Meter: HF MicroTPW

Turb Meter S/N: # 20111005

pH / Sp. Cond. Meter: WTW pH/Cond 3400i

pH / Sp. Cond. Meter S/N: # 08200255

ORP / Diss O_2 Meter: WTW pH/Oxi 3400i

ORP / Diss O_2 Meter S/N: # 04980084

Purging Event Start of day	Purging Event End of day		Sampling Event Start of day	Sampling Event End of day	
0.01	N/A	NTU std = 0.02	N/A	0.11	NTU std = 0.02
9.87	N/A	NTU std = 10.0	N/A	10.01	NTU std = 10.0
994.4	N/A	NTU std = 1,000	N/A	1022	NTU std = 1,000
1431	N/A	µS std = 1,413	N/A	0.4 1412	µS std = 1,413
Cell Const: 0.495	Cell Const: N/A	Cell Const Range: 0.45 - 0.50	Cell Const: N/A	Cell Const: 0.495	Cell Const Range: 0.45 - 0.50
4.12	N/A	pH std = 4.00 @17.5°C	N/A	4.25	pH std = 4.00 @18.7°C
7.04	N/A	pH std = 7.03 @17.3°C	N/A	7.04	pH std = 7.03 @17.6°C
Slope: 0.94	Slope: N/A	Dissolved O_2 Slope Range: 0.6 to 1.25	Slope: N/A	Slope: 1.10	Dissolved O_2 Slope Range: 0.6 to 1.25
@ Temp 18.1°C	@ Temp N/A		@ Temp N/A	@ Temp 22.2°C	
256	N/A	ORP std: 240 ± 20 mV @ 25°C	N/A	240	ORP std: 240 ± 20 mV @ 25°C

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Fog, 70°F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 1,300 µS; Historical Range from Oct 2013 - May 2017: 762 - 936 µS.

pH Prediction Limits = 6.5 - 7.9 s.u.; Historical Range from Oct 2013 - May 2017: 6.93 - 7.27 s.u.

Well Closed and Locked? (Y) / N Full Suite Collected? (Y) / N # Bottles Collected: 7

Date: 8/29/2017 By: Jonathan Wilkinson Title: Residuals Management Team Member

Company: Feezor Engineering, Inc.