DETECTION MONITORING PROGRAM GROUNDWATER STATISTICAL ANALYSIS REPORT

November/December 2015 Quarterly Sampling Event

Bridgeton Landfill, LLC
Bridgeton Landfill
Bridgeton, Missouri

MO DNR PERMIT No. 118912

February 2016

Received
FEB 23 2016
SWMP

Prepared by:

POSTED
2/23/16

JETT ENVIRONMENTAL CONSULTING

10 Quiet Brook Court
St. Charles, MO 63303

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JETT ENVIRONMENTAL CONSULTING

February 22, 2016

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 Semi-Annual Report for the November/December 2015 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

POSTED 2/23/16

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

cc: *Derek Bouchard – Republic Services (1 Hardcopy)*

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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 November/December 2015 quarterly groundwater monitoring event. Sampling for the November/December 2015 event was conducted by Herst & Associates, Inc. and Feezor Engineering, Inc. Laboratory analytical testing was performed by Pace Analytical Services, Inc. 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 November/December 2015 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 May 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** below. **Table 1** lists the detection monitoring wells evaluated in this report. The landfill was designed to maintain an inward hydraulic gradient as part of its operation, which would result in each well being located hydraulically upgradient of the landfill.

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 5% per event for a semi-annually 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 November/December 2015 event. For groundwater, a field duplicate was collected at well PZ-104-SD. A field blank was collected at well PZ-109-SS. Ten trip blanks were 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) less than 20%. For all 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.

Sulfate was detected at a concentration of 0.35 mg/L (RL 0.25 mg/L) in the field blank. There were no detections above laboratory RLs in trip blanks.

3.0 SITE HYDROGEOLOGY

The hydrogeologic setting for the Bridgeton Landfill was described in the 1995 *Hydrogeologic Characterization Report*, 1995 *Groundwater Monitoring Plan*, 1996 *Physical Characterization Technical Memorandum*, and 1997 *Site Characterization Summary Report*, all prepared by Golder Associates Inc. According to these reports, three general hydrostratigraphic zones are identifiable at the site. These zones are described below.

Alluvium: This zone consists of alluvium and loess. The loess was picked up from braided glacial melt-out drainages. The thickness of the loess deposits is greatest in the eastern regions of the drainages and diminishes rapidly to the west. Thus, the bluffs and hills immediately east of the site are composed of loess deposits up to 80 feet thick. Loess was identified in deposits from 13 to 22 feet thick along the eastern edge of the landfill.

Loess is not commonly present along the western portion of the landfill. Where encountered, the loess deposits in the western portion of the site were about 10 to 15 feet thick. The alluvial deposits along the western edge of the site range in thickness up to about 120 feet. Alluvial deposits at the site typically consist of clay and silt materials overlying sands and gravels.

St. Louis Formation: The St. Louis Formation is the uppermost bedrock formation at the site. The St. Louis Formation is a limestone and dolomite. The depth to the top of the St. Louis Formation ranges from about 14 to 52 feet below ground surface along the western edge of the landfill. The top of the St. Louis Formation ranges between 425 and 460 feet MSL elevation in the eastern portion of the site, and between 379 and 422 feet MSL elevation in the western portion of the site. This variation reflects the buried edge of the Missouri River valley and limestone bluffs upon which the quarry was sited. The thickness of the St. Louis Formation ranges from about 65 to 130 feet.

Salem Formation: The Salem Formation is a limestone. Interbedded dolomite layers are common, and chert clasts, nodules, and layers are scattered throughout the formation at varying frequencies. The top of the Salem Formation is present at a depth of about 165 feet along the eastern edge of the landfill, at an elevation of about 320 feet MSL. Depth to the top of the Salem Formation along the western edge of the landfill ranges between 115 and 135 feet, with a corresponding elevation of about 328 to 340 feet MSL. The thickness of the Salem Formation is about 70 to 80 feet. The Salem Formation is adjacent to the lower portion of the landfill.

Appendix B presents a groundwater potentiometric surface map based on depth to water data from the November/December 2015 event. **Appendix B** also includes tables presenting the November/December 2015 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 November 2015 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 November/December 2015 event. Intra-well prediction limit summary tables and graphs are presented in **Appendices C**, **D**, and **E**.

For the November/December 2015 event, there were no results that exceeded an intra-well prediction limit in the Alluvial Zone.

There were 11 results that exceeded their respective intra-well prediction limits in the St. Louis Formation Zone: total boron at PZ-100-SS; total calcium, chloride, total magnesium, sulfate, and total dissolved solids (TDS) at PZ-105-SS; chloride at PZ-106-SS; ammonia and total manganese at PZ-115-SS; nitrate/nitrite at PZ-201A-SS; and nitrate/nitrite at PZ-205-SS.

There were 16 results that exceeded their respective intra-well prediction limits in the Salem Formation Zone: total barium, chloride, total chromium, total magnesium, total nickel, total sodium, field specific conductance, TDS, and total organic carbon (TOC) at PZ-104-SD; and ammonia, total barium, total calcium, total hardness, total magnesium, field specific conductance, and TDS at PZ-106-SD.

Of the 27 prediction limit exceedances observed for the November/December 2015 event, 21 were also observed for the previously monitoring event in August 2015: chloride, sulfate, and total dissolved solids (TDS) at PZ-105-SS; chloride at PZ-106-SS; ammonia and total manganese at PZ-115-SS; total barium, chloride, total chromium, total magnesium, total sodium, field specific conductance, TDS, and total organic carbon (TOC) at PZ-104-SD; and ammonia, total barium, total calcium, total hardness, total magnesium, field specific conductance, and TDS at PZ-106-SD.

Five new prediction limit exceedances were observed for the November/December 2015 event: total boron at PZ-110-SS; total calcium and total magnesium at PZ-105-SS; nitrate/nitrite at PZ-201A-SS; nitrate/nitrite at PZ-205-SS; and total nickel at PZ-104-SD. In accordance with MDNR correspondence to Bridgeton Landfill, LLC date October 23, 2003, the next sampling event (February 2016) will be used to confirm the new exceedances.

The November/December 2015 event served as a confirmatory event for the 7 new prediction limit exceedances that were observed for the August 2015 event. Four of the new exceedances observed for the August 2015 event were confirmed for the November/December 2015 event: chloride at PZ-105-SS; ammonia at PZ-115-SS; total chromium at PZ-104-SD; and total calcium at PZ-106-SD. Three new exceedances that were observed for the August 2015 event were not confirmed for the November/December 2015 event: total boron, total nickel, and total sodium at PZ-106-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 27 constituent-well pairs that exceeded intra-well prediction limits for the November/December 2015 event, 22 also exhibited statistical trends. The following constituent-well pairs exhibited upward statistical trend: total boron at PZ-100-SS; total calcium, chloride, total magnesium, sulfate, and TDS at PZ-105-SS; chloride at PZ-106-SS; total manganese at PZ-115-SS; nitrate/nitrite at PZ-201A-SS; total barium, chloride, total magnesium, total nickel, total sodium, field specific conductance, TDS, and TOC at PZ-104-SD; and ammonia, total barium, total calcium, total hardness, and total magnesium at PZ-106-SD.

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 of the constituents that were statistically evaluated in this report.

4.5 Organic Constituent Results

During the November/December 2015 monitoring event, organic constituents were detected at three wells: PZ-114-AS, PZ-104-SS, and PZ-104-SD. Wells PZ-114-AS, PZ-104-SS, and PZ-104-SD have previously exhibited organic constituent detections.

Benzene, chlorobenzene and 1,4-dichlorobenzene were detected at upgradient Alluvial Zone well PZ-114-AS at concentrations of 9.1 ug/L, 67.9 ug/L, and 7.1 ug/L, respectively. Benzene has been detected at PZ-114-AS since at least 2003. Chlorobenzene has been detected at PZ-114-AS since at least 1997. 1,4-Dichlorobenzene has been detected at PZ-114-AS since at least 2002. **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: benzene (469 ug/L), ethylbenzene (8.7 ug/L), toluene (5.2 ug/L), and total xylenes (23.1 ug/L). Detections of all four of these compounds 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 confirmed organic constituent detections at PZ-104-SS are currently being evaluated under the assessment monitoring program, as detailed in the December 17, 2013 *Assessment Monitoring Plan* (AMP).

The following organic constituents were detected at well PZ-104-SD: benzene (640 ug/L), ethylbenzene (5.4 ug/L), methyl-tert-butyl ether (5.4 ug/L), p-cresol (67.6 ug/L), tetrahydrofuran (1,560 ug/L), toluene (10.5 ug/L), and total xylenes (19.1 ug/L). Detections of benzene and toluene were first observed at PZ-104-SD in May 2012. Detections of ethylbenzene, methyl-tert-butyl ether, tetrahydrofuran, and total xylenes were first observed in November 2012. Detections of p-cresol were first observed in September 2014. **Table 4** presents this 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-SS are currently being evaluated under the assessment monitoring program, as detailed in the AMP.

The following organic constituents were detected at well PZ-106-SD during the August 2015 (Third Quarter 2015) event: benzene (6.6 ug/L) and methyl ethyl ketone (12.4 ug/L). These constituents had not previously been detected at PZ-106-SD. The initial detections of benzene and methyl ethyl ketone at PZ-106-SD were confirmed as non-detect during the Fourth Quarter 2015 monitoring event.

5.0 STATISTICAL RESULTS SUMMARY

For the November/December 2015 monitoring event, there were no results that exceedance an intra-well prediction limit in the Alluvial Zone. There were 11 results that exceeded their respective limits in the St. Louis Formation Zone. There were 16 results that exceeded their respective limits in the Salem Formation Zone.

Five new exceedances were observed for the November/December 2015 event. The next sampling event (February 2016) will be used to confirm these new exceedances, in accordance with MDNR correspondence to Bridgeton Landfill, LLC dated October 23, 2003.

The November/December 2015 event serves as a confirmatory event for the new prediction limit exceedances that were observed for the August 2015 event. Only four of the new exceedances observed for the August 2015 event were confirmed for the November/December 2015 event.

Pursuant to the MDNR's aforementioned October 23, 2003 letter, a groundwater demonstration report or assessment monitoring plan may not be required for a well that exhibits a confirmed prediction limit exceedance and statistically significant upward trend for an inorganic constituent, unless that well also exhibits a confirmed organic constituent detection above the laboratory RL.

Well PZ-104-SD exhibited confirmed exceedances and upward trends for the following inorganic constituents in November/December 2015: total barium, chloride, total magnesium, total nickel, total sodium, field specific conductance, TDS, and TOC. PZ-104-SD also exhibited confirmed detections for the following organic constituents: benzene, ethylbenzene, methyl-tert-butyl ether, p-cresol, tetrahydrofuran, toluene, and total xylenes.

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 event at PZ-104-SS and PZ-104-SD semi-annually in the second and fourth quarters. The results of assessment monitoring were recently discussed in the August 28, 2015 *Annual Assessment Monitoring Report*.

Appendix F presents a copy of the laboratory analytical reports for the November/December 2015 event.

6.0 REVISED STATISTICAL ANALYSIS PLAN

On November 23, 2010, the Bridgeton Landfill submitted a revised *Statistical Analysis Plan* to the MDNR. This Plan was intended to update and supersede the current statistical evaluation procedures at the facility, and was prepared according to the USEPA's *Unified Guidance* and recommendations provided by the MDNR. The Plan is currently under review by the MDNR. The statistical evaluation methods described in the Plan will be implemented following MDNR approval.

TABLES

TABLE 1 Detection Monitoring Wells – November 2015 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-110-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 - November 2015
Bridgeton Landfill, LLC
Bridgeton Landfill

Zone	Well	Constituent	Units	Result	Prediction Limit	Repeat from August 2015?	Trend
Alluvial	None						
St. Louis Formation	PZ-100-SS	Boron, Total	mg/L	0.158	0.140	No	Increasing
	PZ-105-SS	Calcium, Total	mg/L	90.9	87	No	Increasing
		Chloride	mg/L	76.3	26	Yes	Increasing
		Magnesium, Total	mg/L	48	47	No	Increasing
		Sulfate as SO_4	mg/L	69.5	47	Yes	Increasing
		Total Dissolved Solids	mg/L	556	540	Yes	Increasing
	PZ-106-SS	Chloride	mg/L	23.3	17	Yes	Increasing
	PZ-115-SS	Ammonia	mg/L	0.61	0.3400	Yes	None
		Manganese, Total	mg/L	0.0821	0.01900	Yes	Increasing
	PZ-201A-SS	Nitrate/Nitrite	mg/L	0.37	0.33	No	Increasing
	PZ-205-SS	Nitrate/Nitrite	mg/L	0.18	0.15	No	None
Salem Formation	PZ-104-SD	Barium, Total	mg/L	0.553	0.2300	Yes	Increasing
		Chloride	mg/L	253	110	Yes	Increasing
		Chromium, Total	mg/L	0.0143	0.013	Yes	None
		Magnesium, Total	mg/L	65.9	58	Yes	Increasing
		Nickel, Total	mg/L	0.0640	0.06	No	Increasing
		Sodium, Total	mg/L	162	34	Yes	Increasing
		Specific Condutance, Field	umhos/cm	2,070	1,500	Yes	Increasing
		Total Dissolved Solids	mg/L	1,100	780	Yes	Increasing
		Total Organic Carbon	mg/L	98.7	32	Yes	Increasing
	PZ-106-SD	Ammonia	mg/L	83.4	1.4	Yes	Increasing
		Barium, Total	mg/L	1.38	0.1000	Yes	Increasing
		Calcium, Total	mg/L	145	140	Yes	Increasing
		Hardness, Total	mg/L	848	590	Yes	Increasing
		Magnesium, Total	mg/L	118	63	Yes	Increasing
		Specific Condutance, Field	mg/L	3,970	1,200	Yes	None
		Total Dissolved Solids	mg/L	2,210	700	Yes	None

Table 3
Organic Constituent Detections at PZ-114-AS
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

Notes

All results are presented in units of ug/L.

Result exceeds 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.

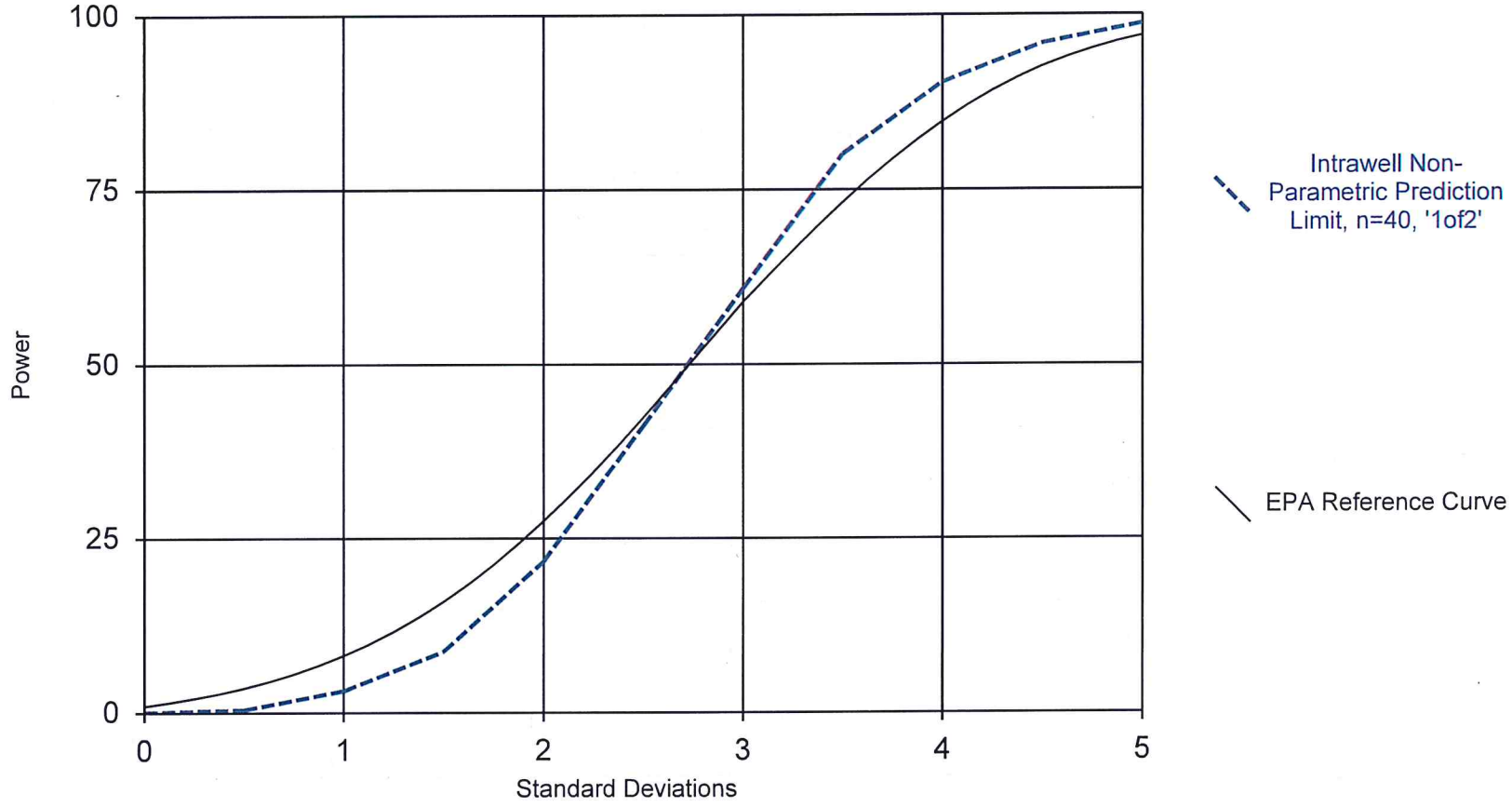
Table 4
Organic Constituent Detections at PZ-104-SS & PZ-104-SD
Bridgeton Landfill, LLC
Bridgeton Landfill

Well	Date	124-Trimethylbenzene	12-Dichloroethane	14-Dichlorobenzene	1-Chlorobutane	2-Hexanone	Acetone	Aroclor 1221 (PCB-1221)	Benzene	Chloroethane	Ethyl benzene	Isopropylbenzene	m+p-Cresols	Methyl ethyl ketone (2-Butanone)	Methyl-iso-butyl ketone	Methyl-tert-butyl ether	p-Isopropyl toluene	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
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

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

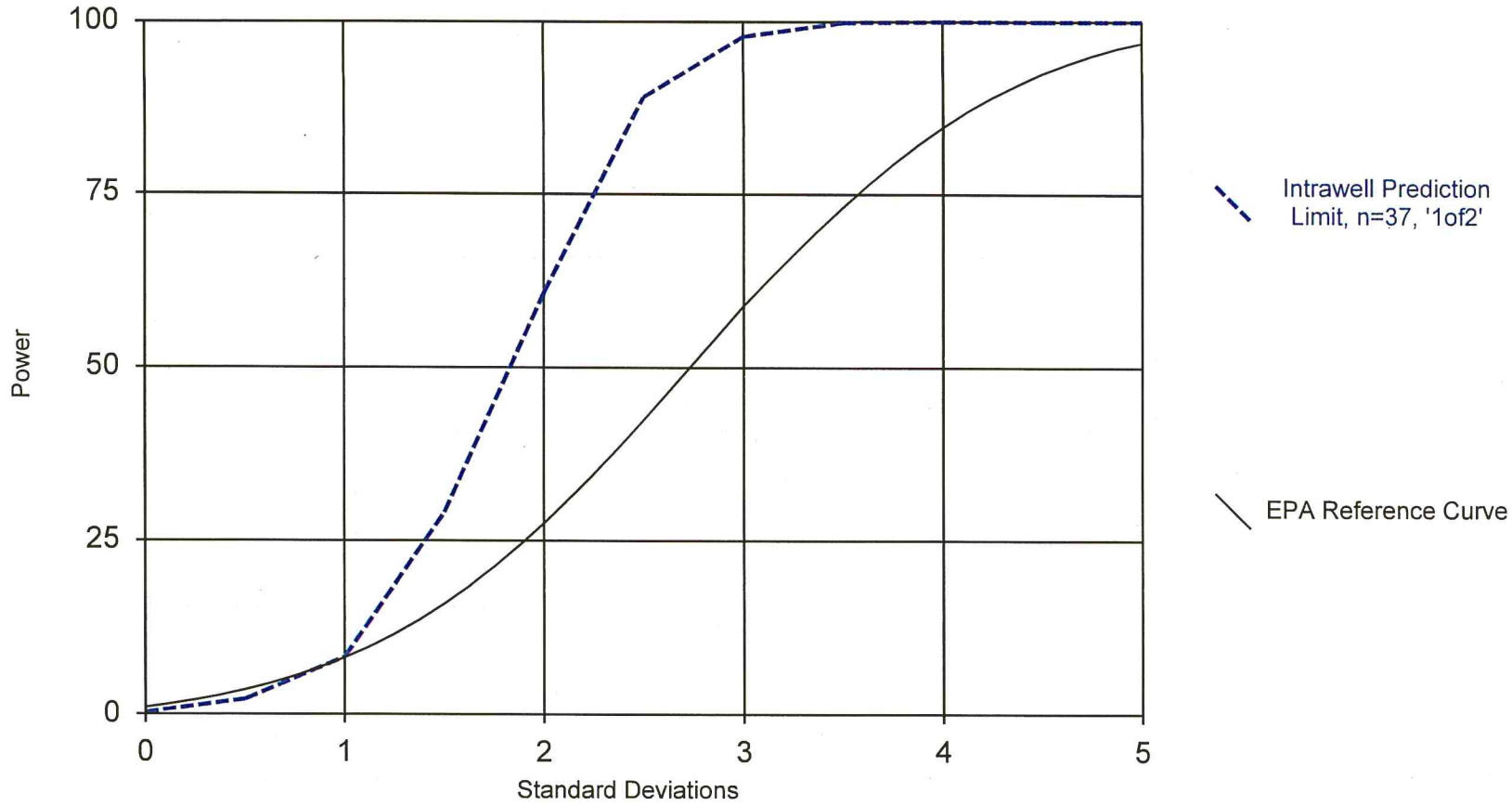
Power Curve



Analysis Run 1/7/2016 4:15 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Power Curve

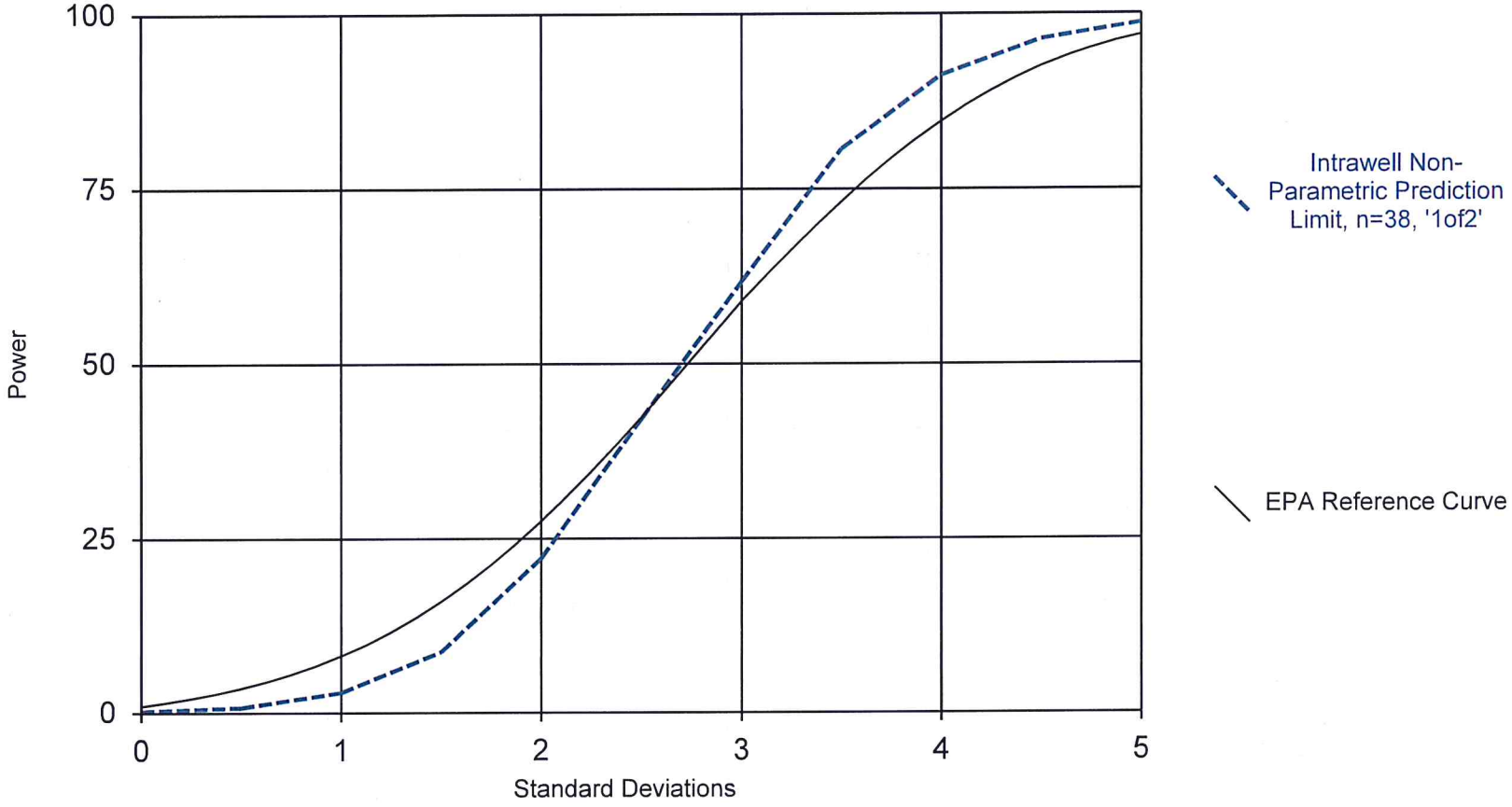


Kappa = 2.092, based on 1 compliance well and 34 constituents, evaluated quarterly (this report reflects annual total).

Analysis Run 1/7/2016 4:15 PM

Bridgeton LF Client: RSI Data: BRIDGETON

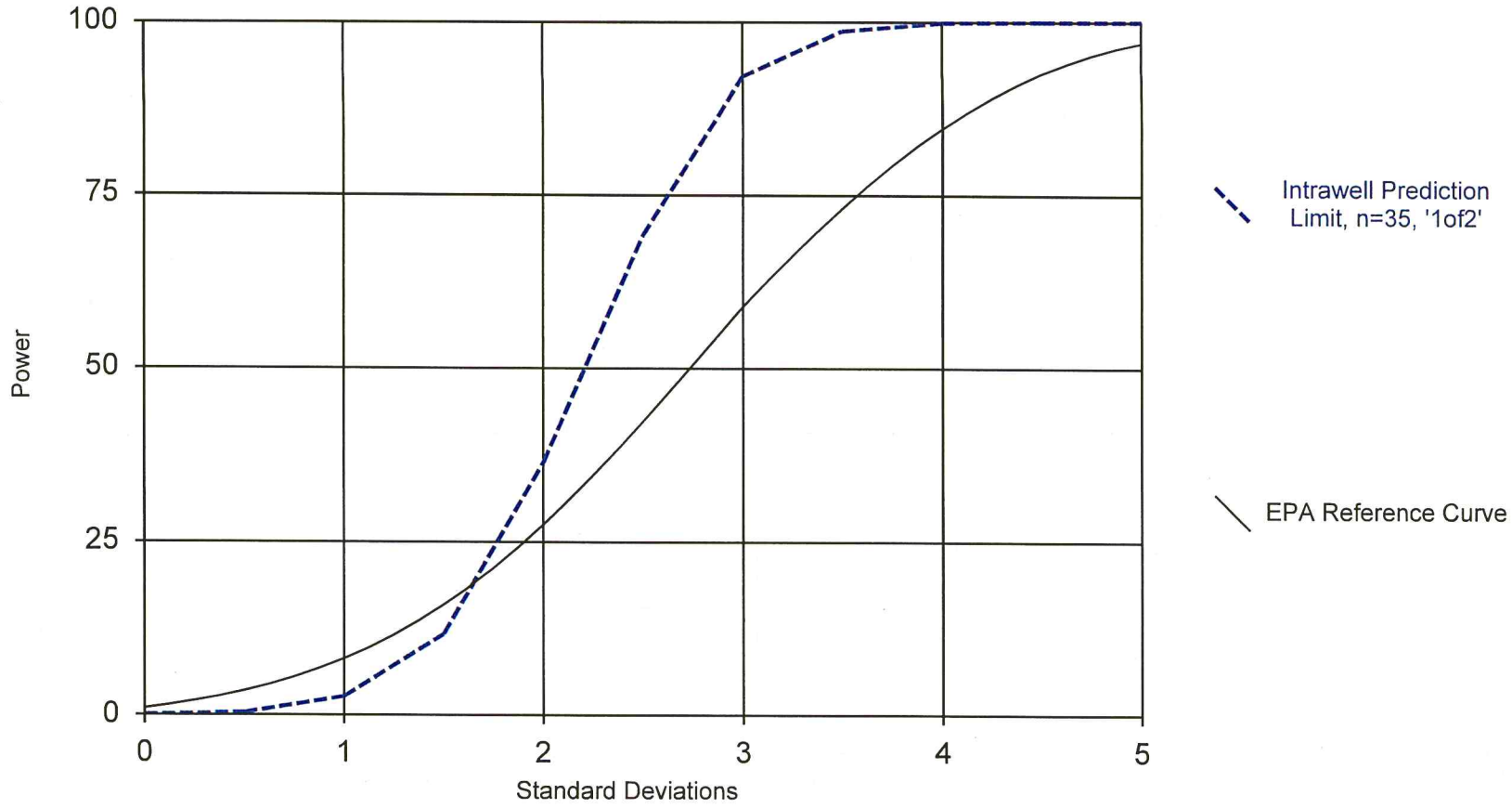
Power Curve



Analysis Run 1/7/2016 4:16 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Power Curve

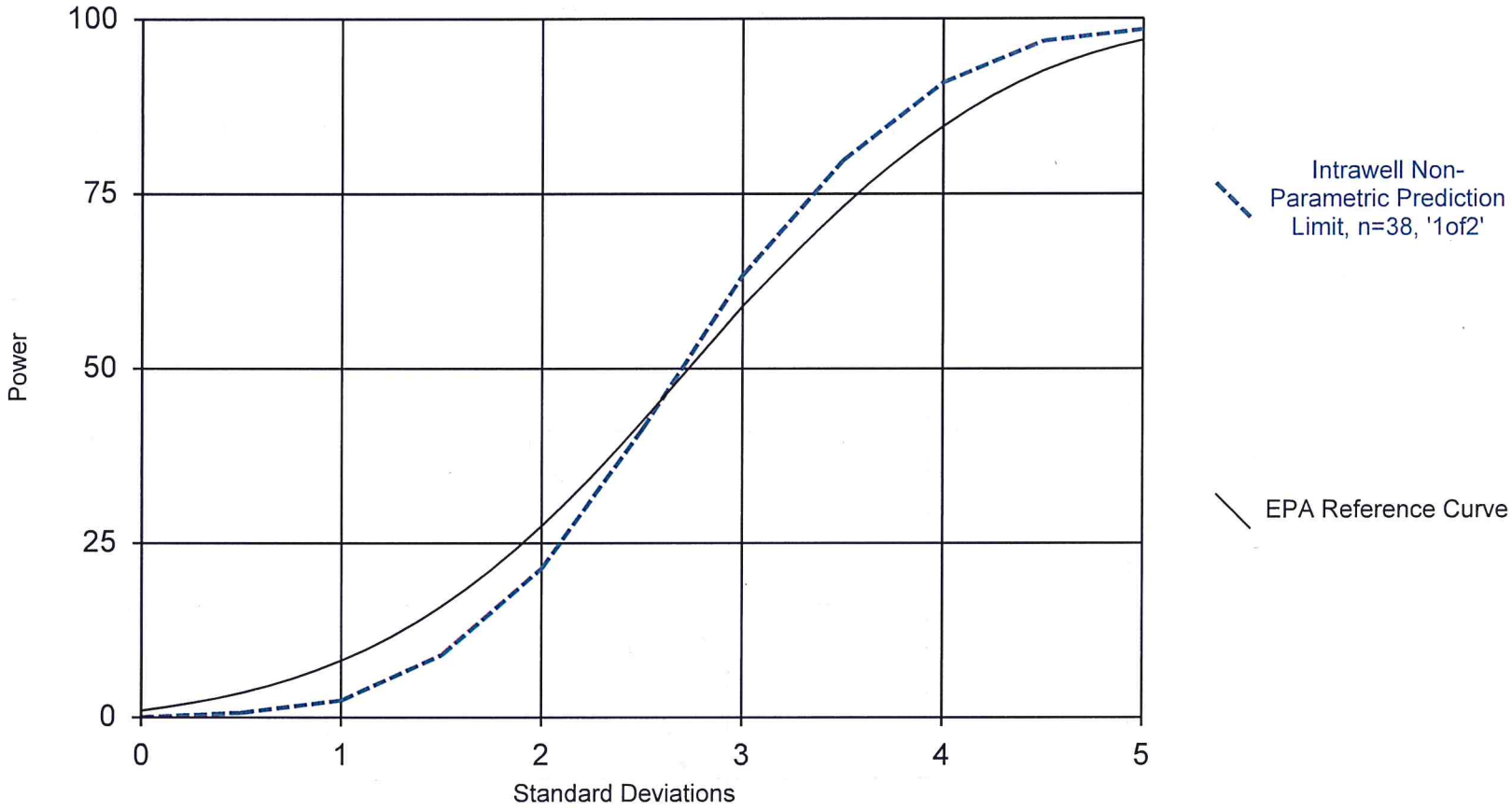


Kappa = 2.466, based on 4 compliance wells and 34 constituents, evaluated quarterly (this report reflects annual total).

Analysis Run 1/7/2016 4:17 PM

Bridgeton LF Client: RSI Data: BRIDGETON

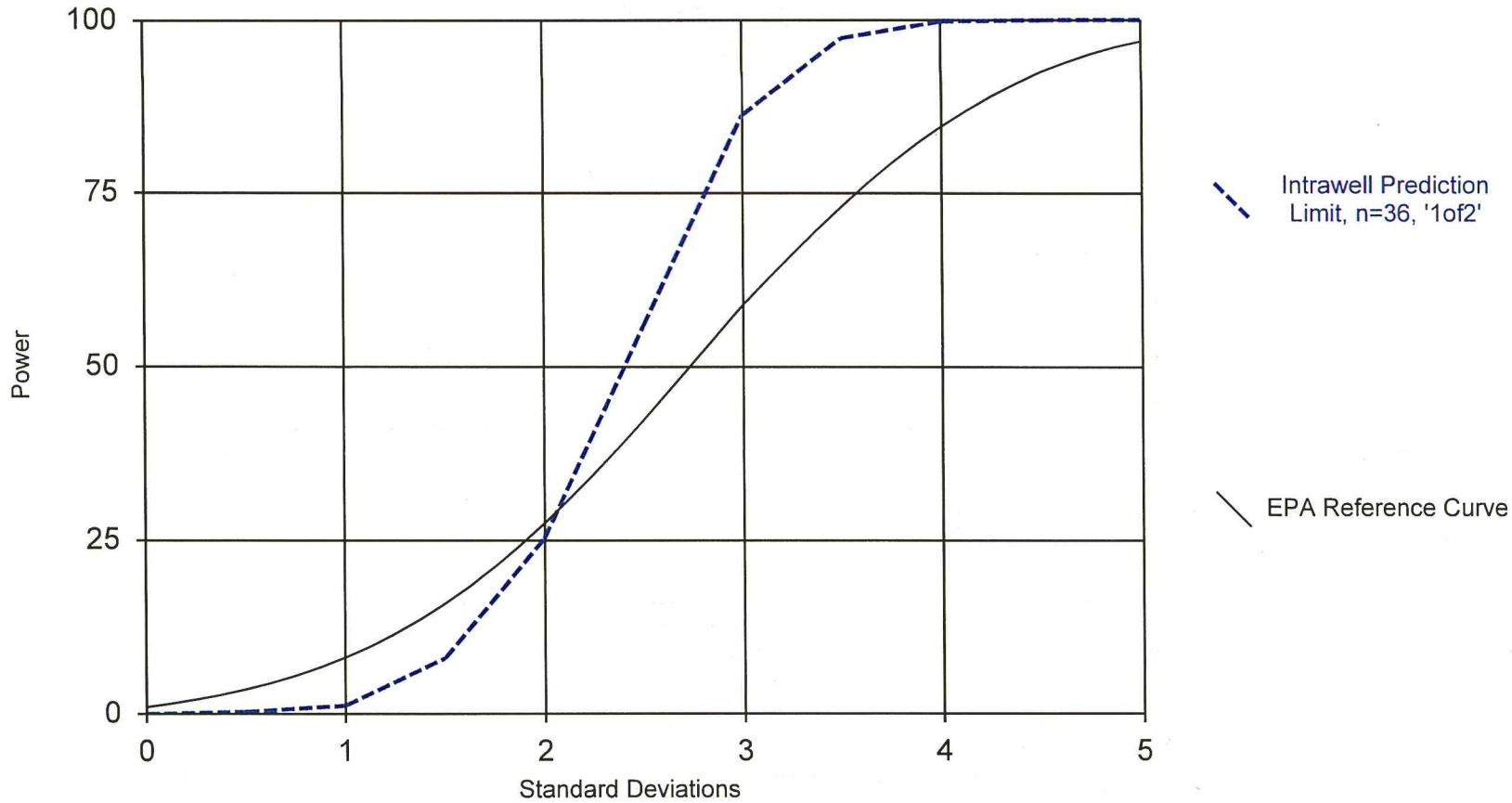
Power Curve



Analysis Run 1/7/2016 4:16 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Power Curve

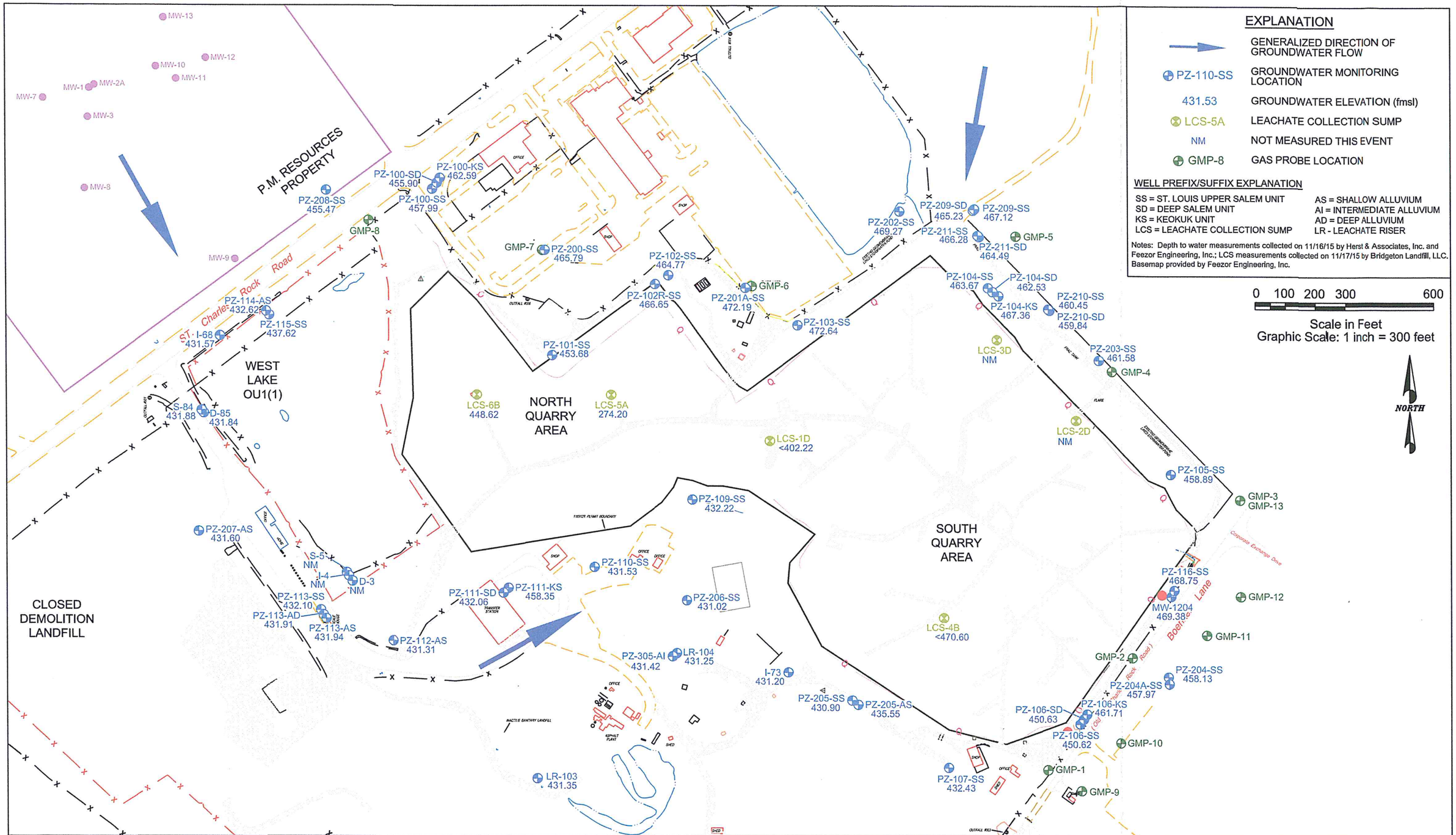


Kappa = 2.654, based on 9 compliance wells and 34 constituents, evaluated quarterly (this report reflects annual total).

Analysis Run 1/7/2016 4:17 PM

Bridgeton LF Client: RSI Data: BRIDGETON

APPENDIX B
POTENTIOMETRIC SURFACE MAP



JETT ENVIRONMENTAL CONSULTING
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St. Charles, MO 63303
314-496-4654
www.jettenviro.com

November 2015
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)
D-3	468.74	Not Measured	Not Measured
D-85	457.67	25.83	431.84
I-4	466.14	Not Measured	Not Measured
I-68	450.60	19.03	431.57
I-73	461.96	30.76	431.20
LR-103	470.64	39.29	431.35
LR-104	463.60	32.35	431.25
MW-1204	485.77	16.39	469.38
PZ-100-KS	486.36	23.77	462.59
PZ-100-SD	486.49	30.59	455.90
PZ-100-SS	486.55	28.56	457.99
PZ-101-SS	491.56	37.88	453.68
PZ-102R-SS	486.45	19.80	466.65
PZ-102-SS	484.65	19.88	464.77
PZ-103-SS	484.21	11.57	472.64
PZ-104-KS	484.60	17.24	467.36
PZ-104-SD	484.15	21.62	462.53
PZ-104-SS	484.00	20.33	463.67
PZ-105-SS	484.04	25.15	458.89
PZ-106-KS	464.73	3.02	461.71
PZ-106-SD	463.84	13.21	450.63
PZ-106-SS	463.11	12.49	450.62
PZ-107-SS	465.41	32.98	432.43
PZ-109-SS	457.65	25.43	432.22
PZ-110-SS	461.46	29.93	431.53
PZ-111-KS	465.80	7.45	458.35
PZ-111-SD	466.57	34.51	432.06
PZ-112-AS	462.53	31.22	431.31
PZ-113-AD	462.24	30.33	431.91
PZ-113-AS	462.19	30.25	431.94
PZ-113-SS	462.66	30.56	432.10
PZ-114-AS	452.14	19.52	432.62
PZ-115-SS	452.90	15.28	437.62
PZ-116-SS	486.44	17.69	468.75
PZ-200-SS	486.23	20.44	465.79
PZ-201A-SS	482.33	10.14	472.19
PZ-202-SS	481.82	12.55	469.27
PZ-203-SS	487.19	25.61	461.58
PZ-204A-SS	463.09	5.12	457.97
PZ-204-SS	465.28	7.15	458.13
PZ-205-AS	464.77	29.22	435.55
PZ-205-SS	461.80	30.90	430.90
PZ-206-SS	460.20	29.18	431.02
PZ-207-AS	462.65	31.05	431.60
PZ-208-SS	475.19	19.72	455.47
PZ-209-SS	489.68	22.56	467.12
PZ-209-SD	489.58	24.35	465.23
PZ-210-SS	486.90	26.45	460.45
PZ-210-SD	487.00	27.16	459.84
PZ-211-SS	487.41	21.13	466.28
PZ-211-SD	487.46	22.97	464.49
PZ-212-SD	482.72	15.43	467.29
PZ-212-SS	482.79	12.94	469.85
PZ-305-AI	463.26	31.84	431.42
S-5	466.63	Not Measured	Not Measured
S-84	457.45	25.57	431.88

Notes:

1 - Top of PVC casing elevations are from surveys performed on 8/13, 8/21-22, 8/29, and 8/31/2012; 10/21 - 10/22/2013; 9/15/2014; and 11/12/2014.

2 - Depth to water measurements recorded by Herst & Associates, Inc. and Feezor Engineering, Inc. on 11/16/2015.

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	> 97.00[2]	< 154.60[2]	< 402.22[2]
LCS-3D	---[3]	140.00[3]	> 63.00[2]	NM[4]	NM[4]
LCS-4B	551.60	256.60	>81.00[2]	< 175.60[2]	< 470.60[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-5A	235.40	15.00	23.70	38.70	274.10
LCS-6B	430.02	9.40	9.20	18.60	448.62

Notes:
Depths and heights of leachate recorded by Bridgeton Landfill personnel on 11/17/2015.
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-1D and LCS-4B was greater than the transducer during November 2015 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, LCS-2D, LCS-3D, and LCS-4B was not operational during the November 2015 event. Scheduled for maintenance.

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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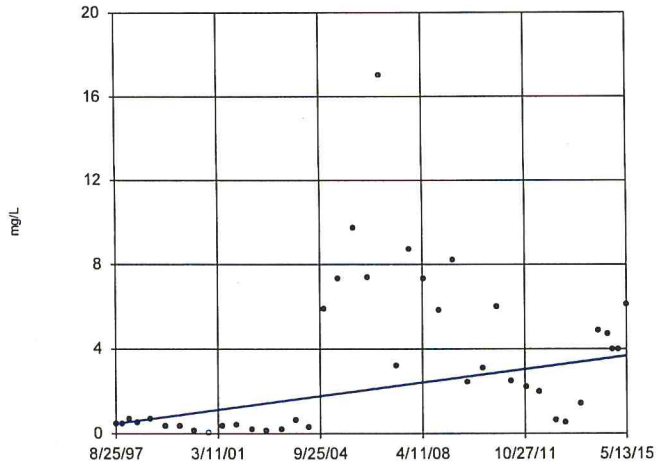
Hollow symbols indicate censored values.

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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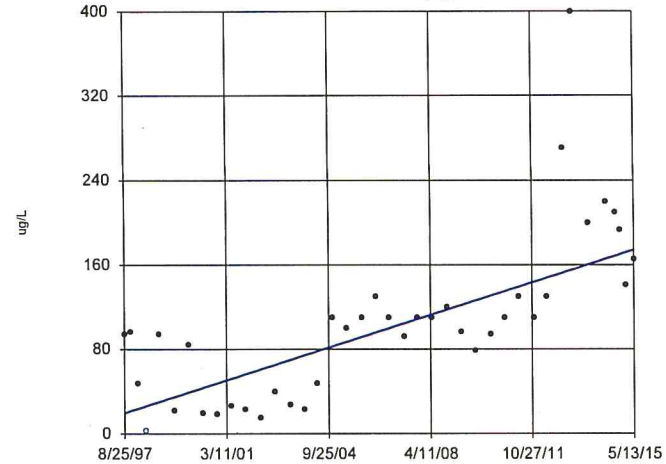
Hollow symbols indicate censored values.

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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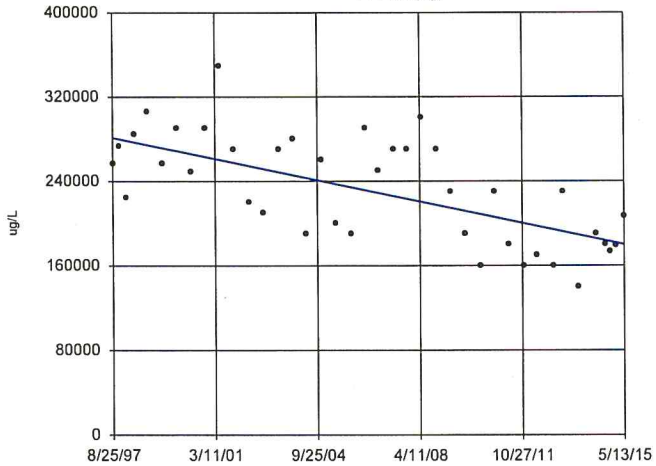
Sen's Slope Estimator

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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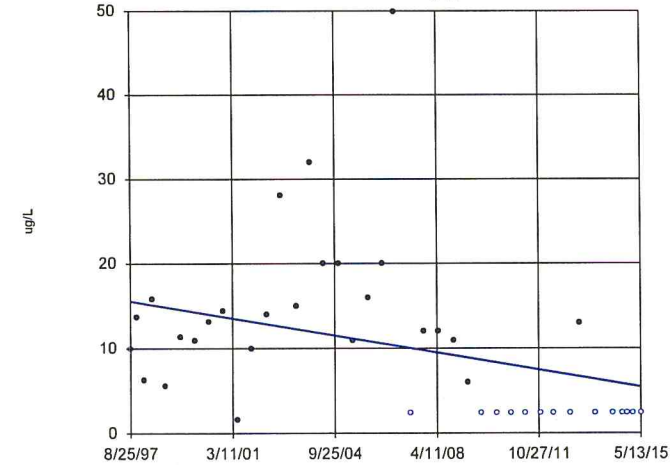
Hollow symbols indicate censored values.

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

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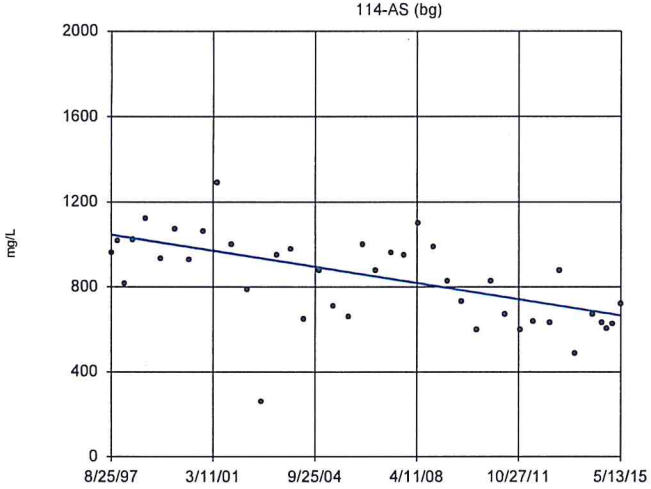
Sen's Slope Estimator

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

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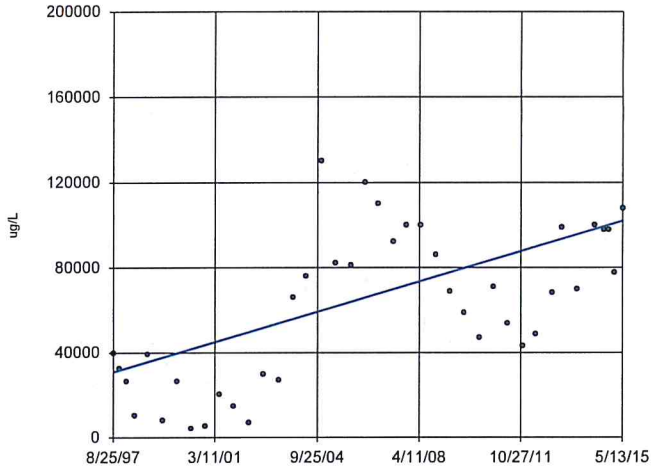
Sen's Slope Estimator

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

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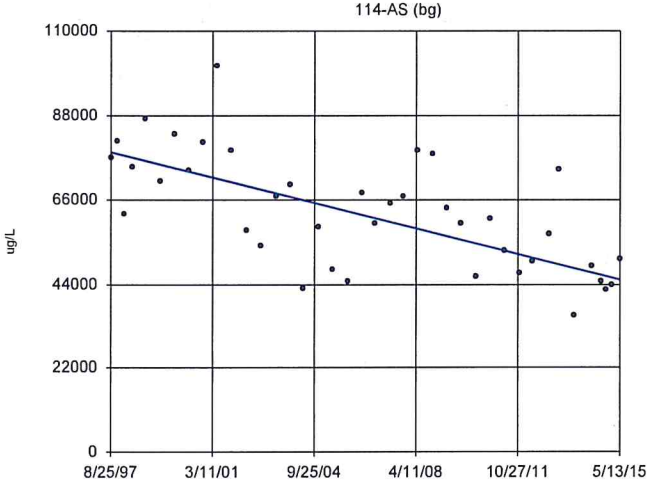
Sen's Slope Estimator

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

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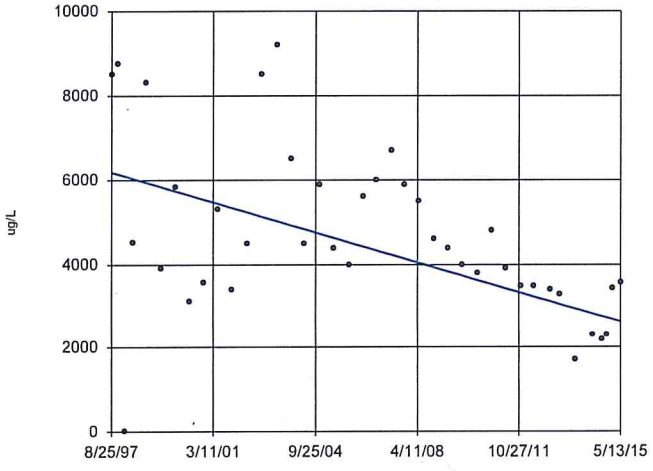
Sen's Slope Estimator

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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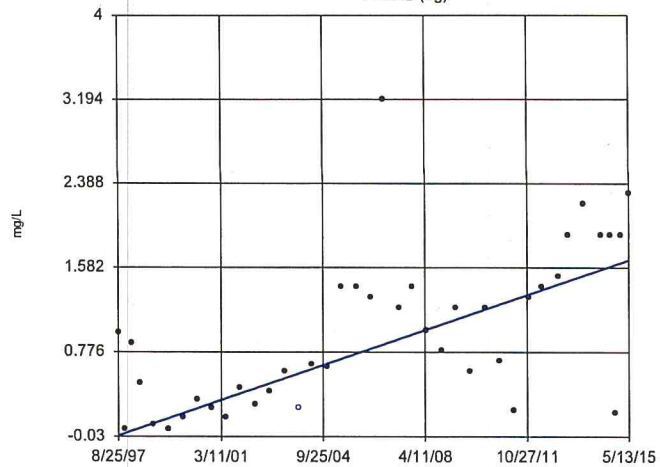
Hollow symbols indicate censored values.

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

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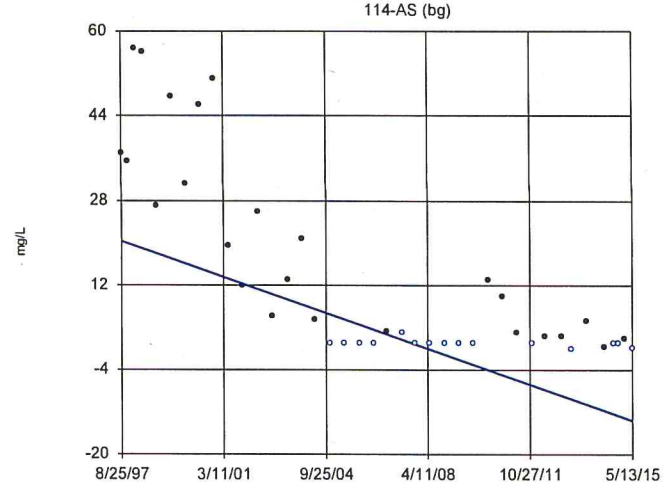
Hollow symbols indicate censored values.

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

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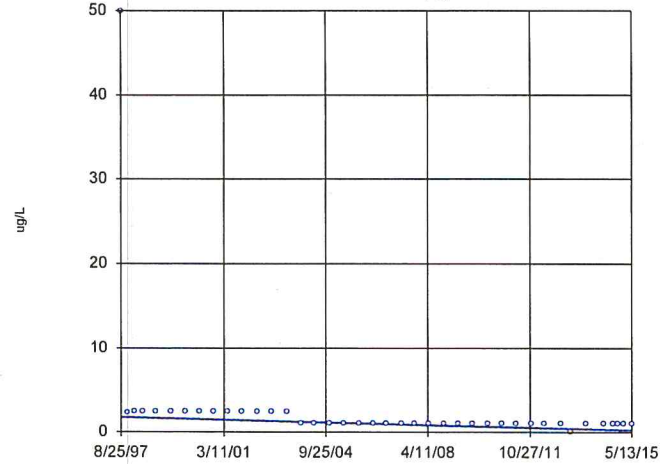
Hollow symbols indicate censored values.

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

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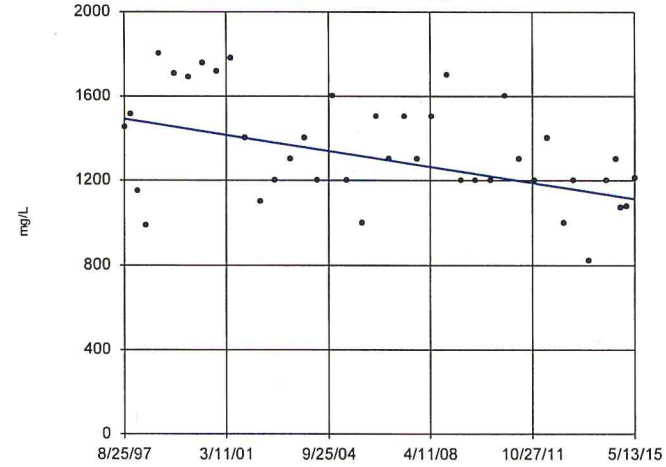
Sen's Slope Estimator

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 Printed 1/7/2016, 11:52 AM

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	32	n/a	11/20/2015	4.5	No	40	0.3567	1.493	2.5	None	ln(x)	0.0007744	Param Intra 1 of 2
Antimony Total (ug/L)	114-AS	50	n/a	11/20/2015	3ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	114-AS	310	n/a	11/20/2015	118	No	40	9.554	3.815	2.5	None	sqrt(x)	0.0007744	Param Intra 1 of 2
Barium Total (ug/L)	114-AS	1100	n/a	11/20/2015	979	No	40	6.583	0.2171	0	None	ln(x)	0.0007744	Param Intra 1 of 2
Beryllium Total (ug/L)	114-AS	1.0	n/a	11/20/2015	2ND	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	11/20/2015	464	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	11/20/2015	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	11/20/2015	245000	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	11/20/2015	52.5	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	11/20/2015	414	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	11/20/2015	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	11/20/2015	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	11/20/2015	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	0.47	n/a	11/20/2015	0.2	No	37	0.2493	0.1074	18.92	Kaplan-...	No	0.0007744	Param Intra 1 of 2
Hardness Total (mg/L)	114-AS	1300	n/a	11/20/2015	808	No	40	828.3	205.5	0	None	No	0.0007744	Param Intra 1 of 2
Iron Total (ug/L)	114-AS	140000	n/a	11/20/2015	85800	No	40	61149	35851	0	None	No	0.0007744	Param Intra 1 of 2
Lead Total (ug/L)	114-AS	25	n/a	11/20/2015	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	11/20/2015	47800	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	11/20/2015	3560	No	39	8.401	0.3974	0	None	ln(x)	0.0007744	Param Intra 1 of 2
Mercury Total (ug/L)	114-AS	0.10	n/a	11/20/2015	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	11/20/2015	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	11/20/2015	0.05ND	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	11/20/2015	6.64	No	37	1.888	0.02947	0	None	ln(x)	0.0003872	Param Intra 1 of 2
Phosphorus Total (mg/L)	114-AS	3	n/a	11/20/2015	2	No	40	0.9028	0.3956	2.5	None	sqrt(x)	0.0007744	Param Intra 1 of 2
Selenium Total (ug/L)	114-AS	50	n/a	11/20/2015	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	11/20/2015	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	11/20/2015	186000	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	11/20/2015	2740	No	39	2313	528.9	0	None	No	0.0007744	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	114-AS	430	n/a	11/20/2015	0.4	No	40	0.4814	2.691	37.5	Kaplan-...	ln(x)	0.0007744	Param Intra 1 of 2
Thallium Total (ug/L)	114-AS	50	n/a	11/20/2015	5ND	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	11/20/2015	1370	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	11/20/2015	16.8	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	11/20/2015	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	11/20/2015	10ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

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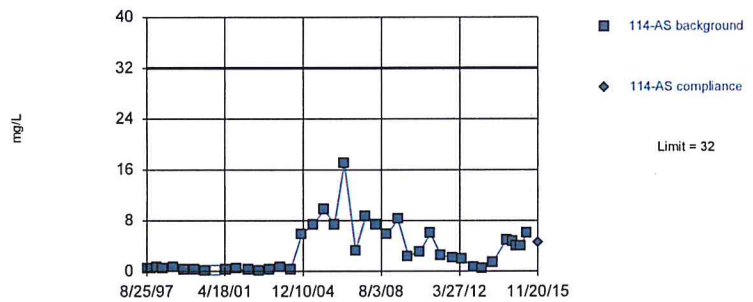
Hollow symbols indicate censored values.

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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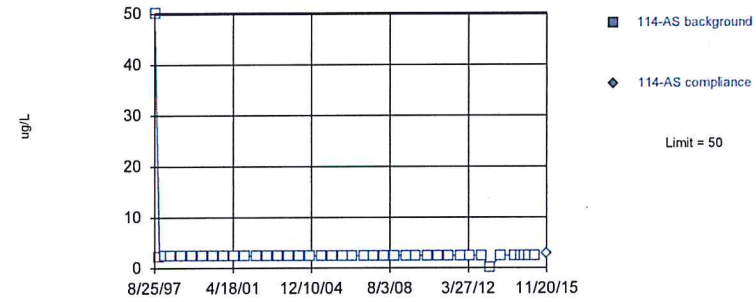
Hollow symbols indicate censored values.

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. 100% 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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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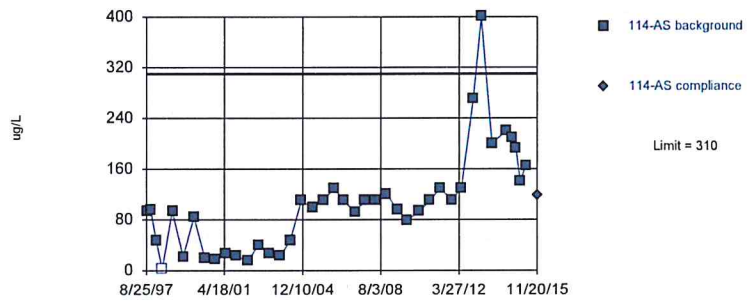
Hollow symbols indicate censored values.

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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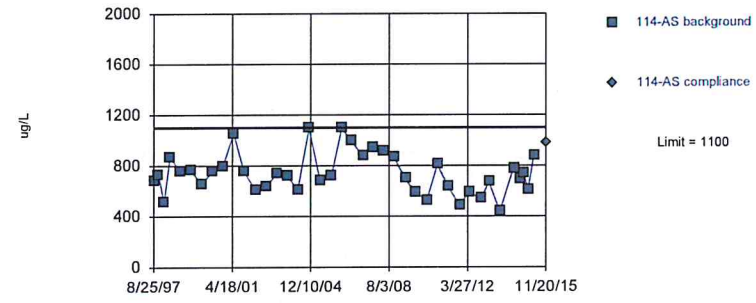
Within Limit

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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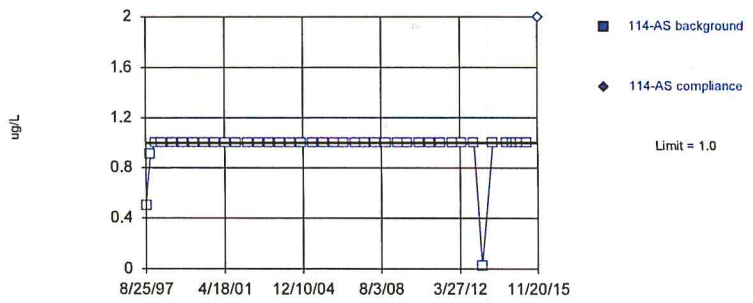
Hollow symbols indicate censored values.

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. 100% 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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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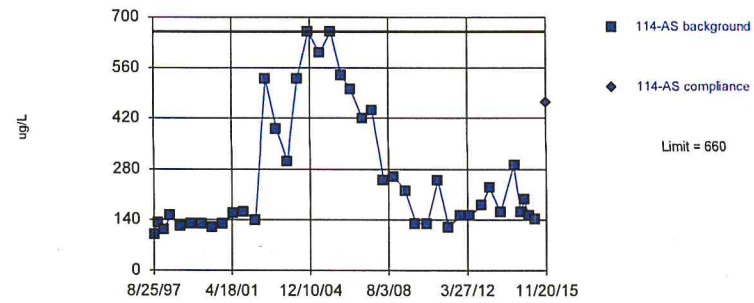
Within Limit

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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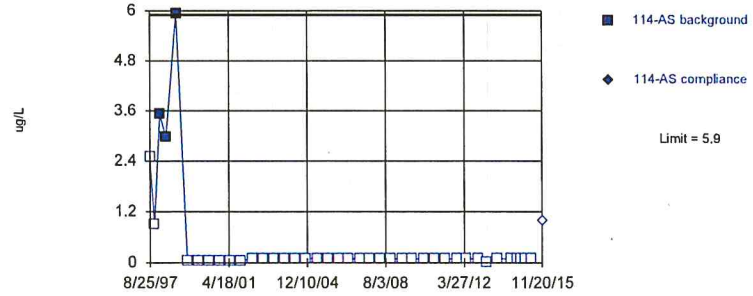
Hollow symbols indicate censored values.

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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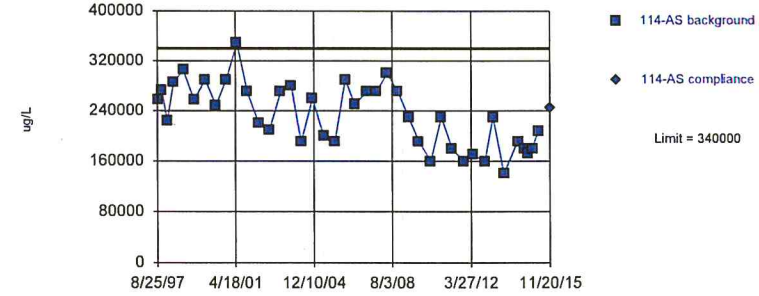
Within Limit

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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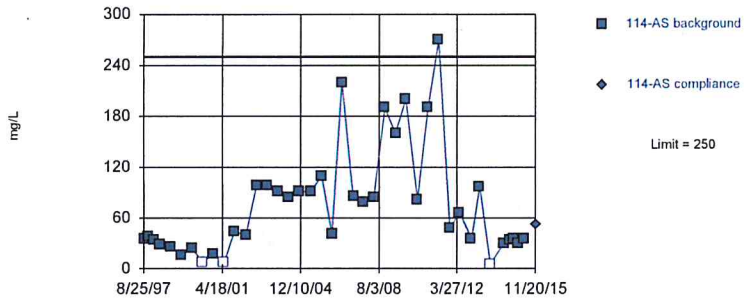
Hollow symbols indicate censored values.

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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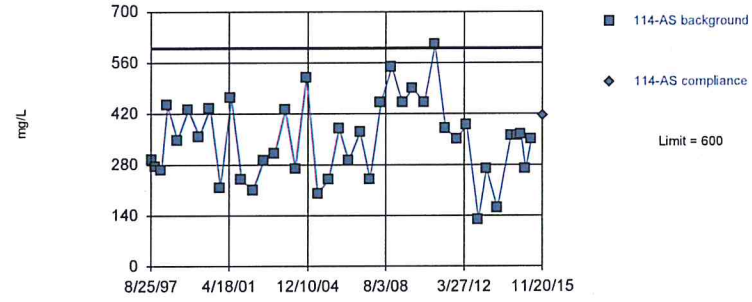
Within Limit

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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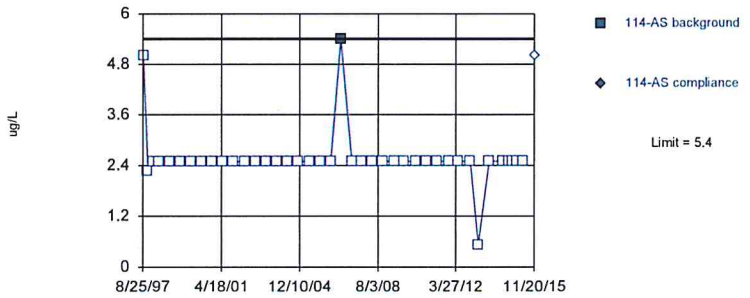
Hollow symbols indicate censored values.

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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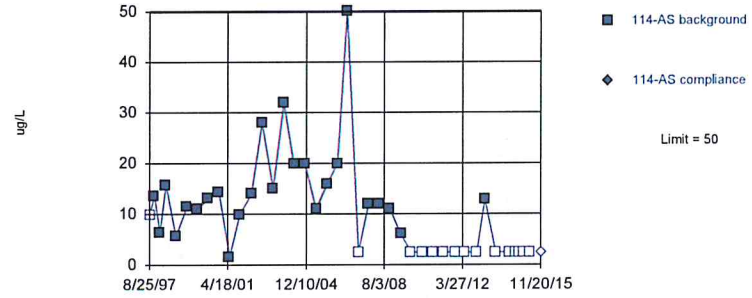
Hollow symbols indicate censored values.

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.

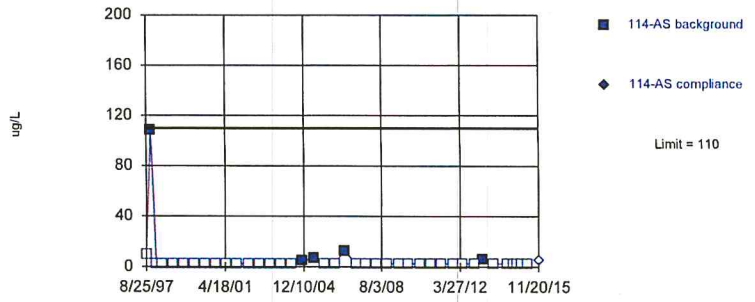
Constituent: Cobalt Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

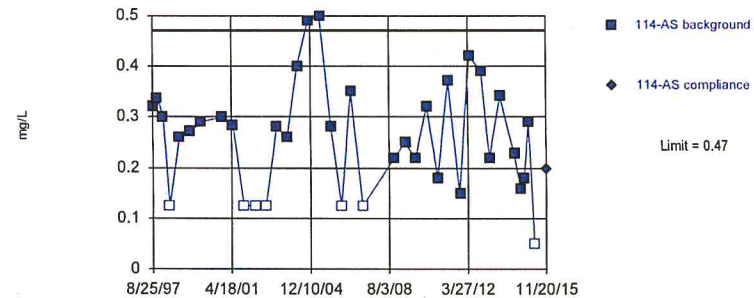
Constituent: Copper Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.2493, Std. Dev.=0.1074, n=37, 18.92% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9687, 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. One background outlier was removed: 1.23 (5/23/2000).

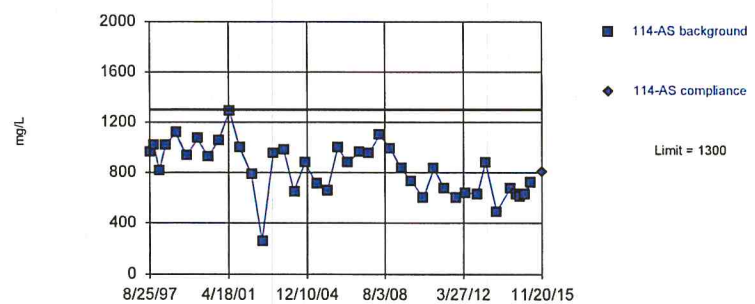
Constituent: Fluoride Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

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.

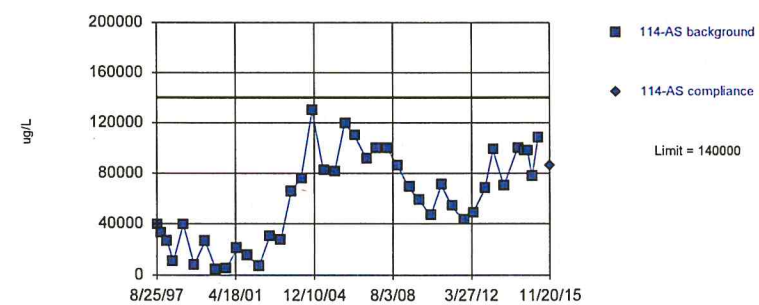
Constituent: Hardness Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

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.

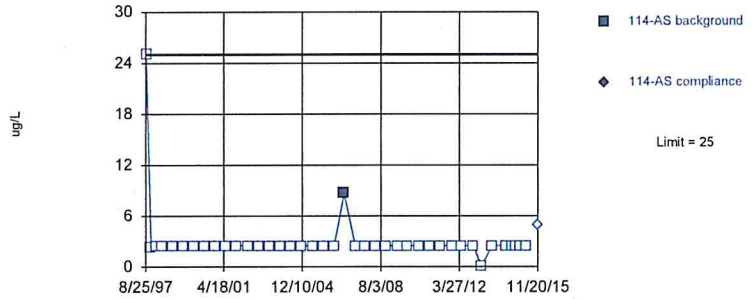
Constituent: Iron Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

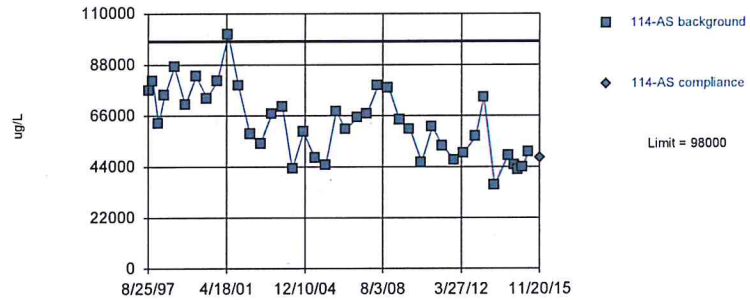
Constituent: Lead Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

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.

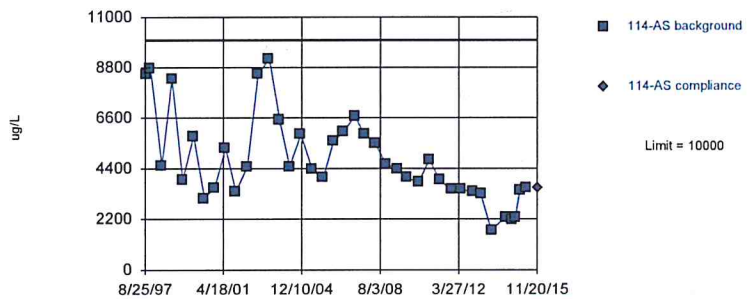
Constituent: Magnesium Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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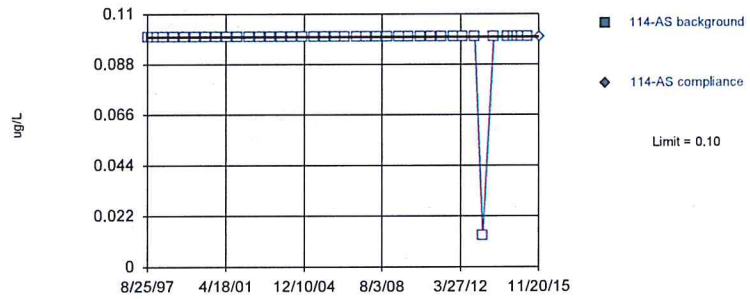
Hollow symbols indicate censored values.

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. 100% 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.

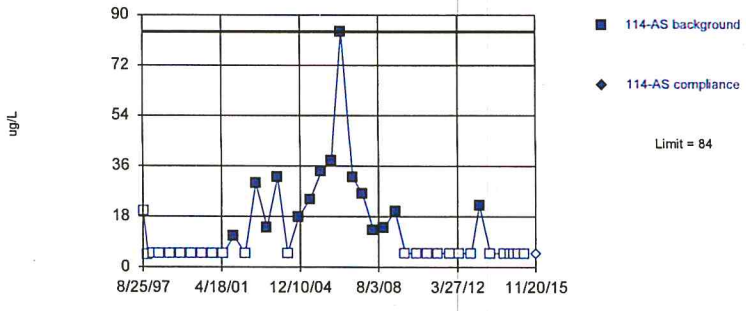
Constituent: Mercury Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

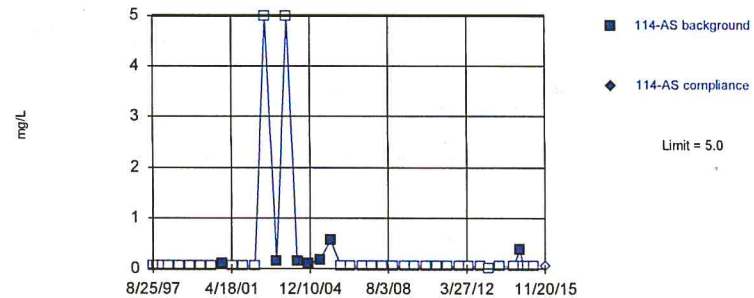
Constituent: Nickel Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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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).

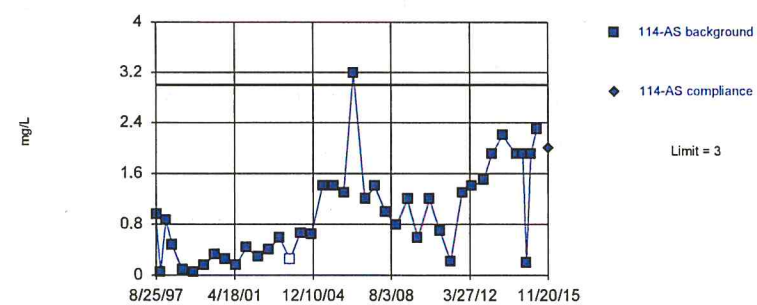
Constituent: pH [Field] Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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=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.

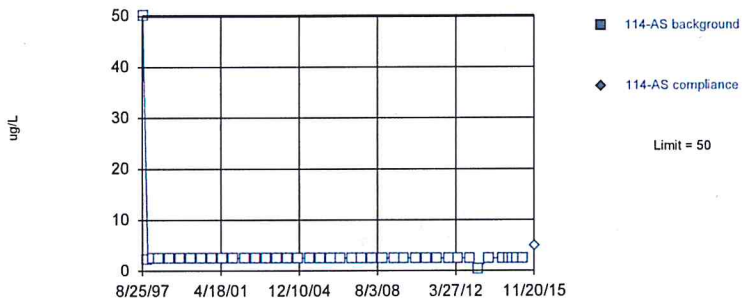
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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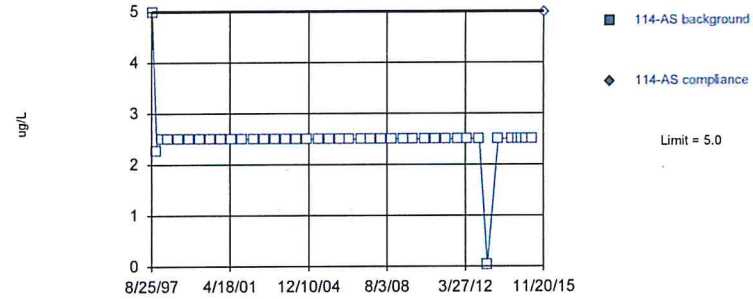
Hollow symbols indicate censored values.

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. 100% 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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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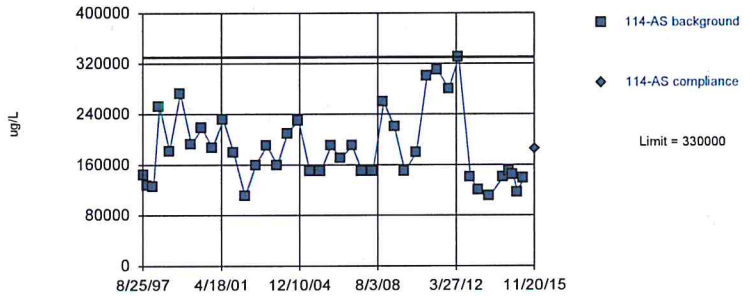
Within Limit

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.

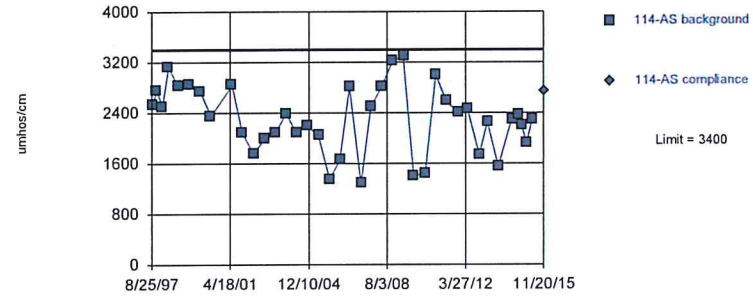
Constituent: Sodium Total Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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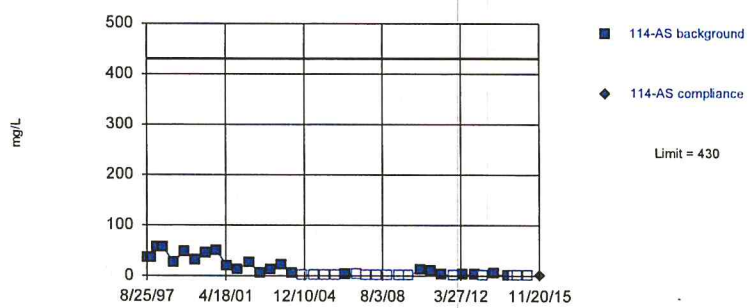
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=0.4814, Std. Dev.=2.691, n=40, 37.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9219, 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.

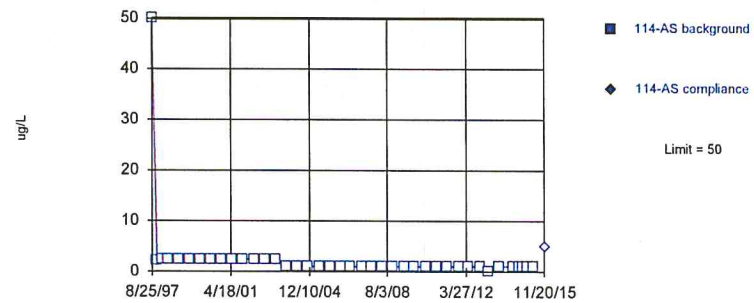
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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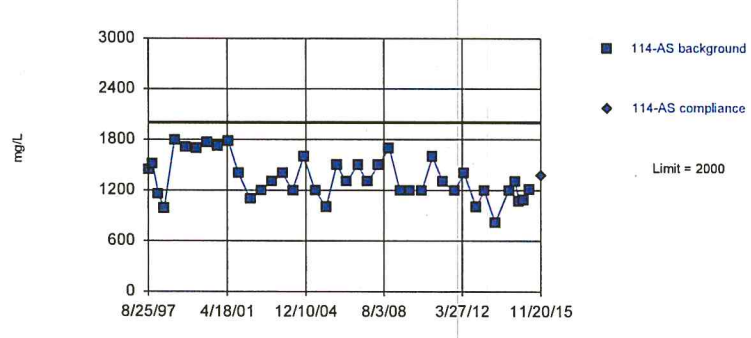
Within Limit

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.

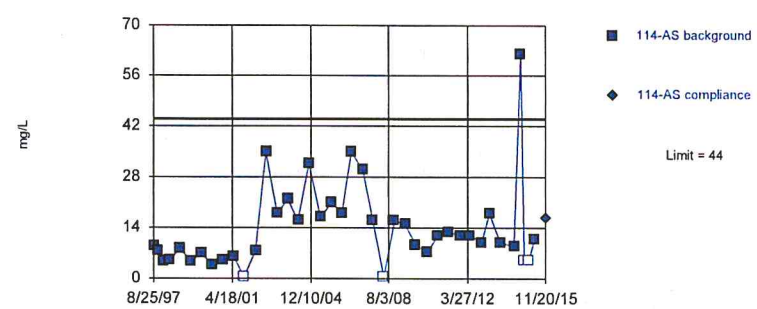
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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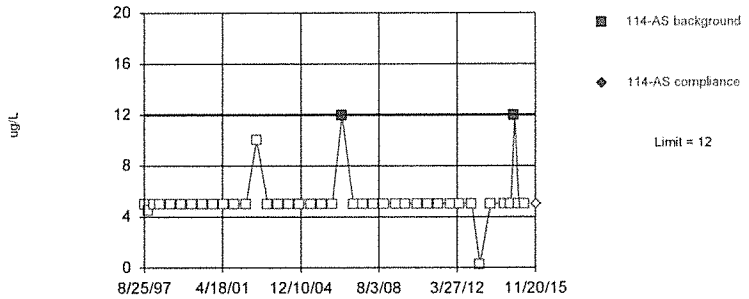
Hollow symbols indicate censored values.

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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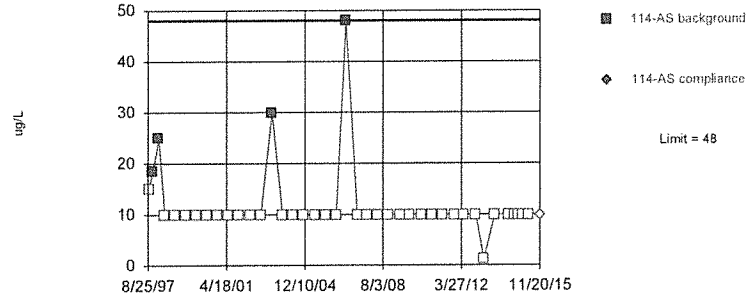
Hollow symbols indicate censored values.

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 1/7/2016 11:50 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 1:33 PM

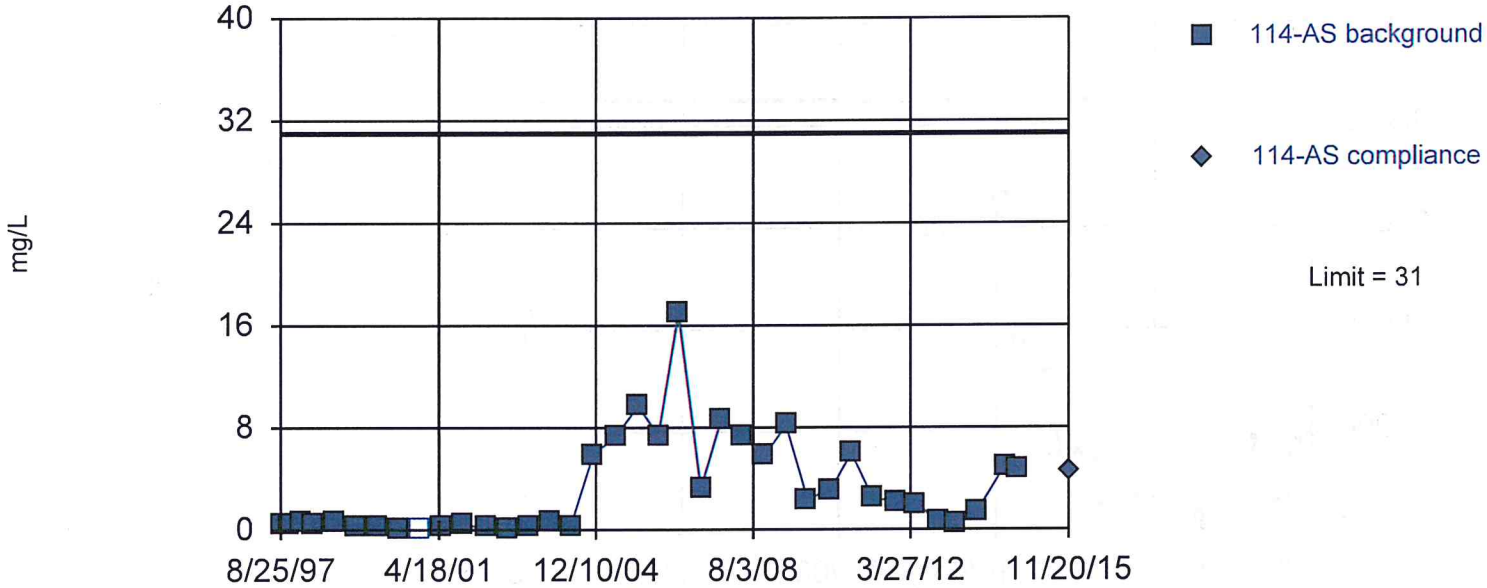
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Ammonia as N (mg/L)	114-AS	31	n/a	11/20/2015	4.5	No	37	0.2618	1.512	2.703	None	ln(x)	0.0007744	Param Intra 1 of 2
Iron Total (ug/L)	114-AS	170000	n/a	11/20/2015	85800	No	20	31.84	10.42	0	None	x^(1/3)	0.0007744	Param Intra 1 of 2
Phosphorus Total (mg/L)	114-AS	2	n/a	11/20/2015	2	No	19	0.7295	0.2274	5.263	None	x^(1/3)	0.0007744	Param Intra 1 of 2

Sanitas™ v.9.5.20 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=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 = 2.092 (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.

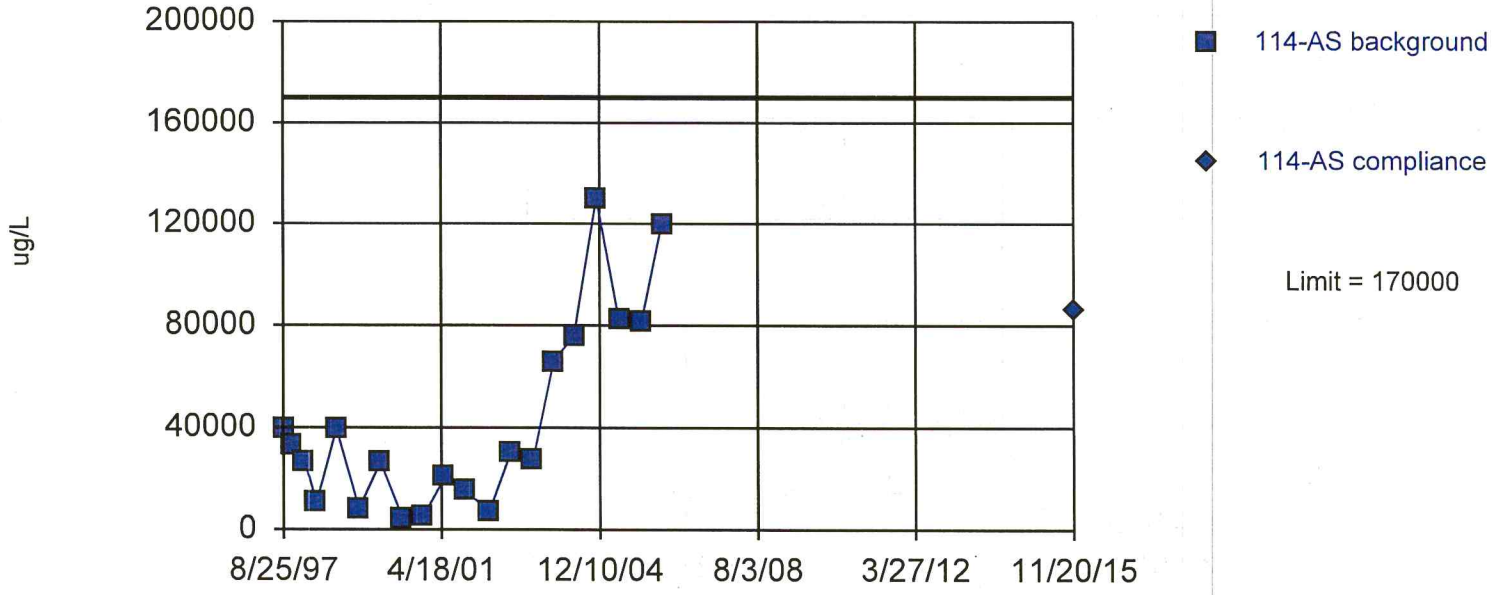
Constituent: Ammonia as N Analysis Run 1/7/2016 1:30 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.274 (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 1/7/2016 1:32 PM

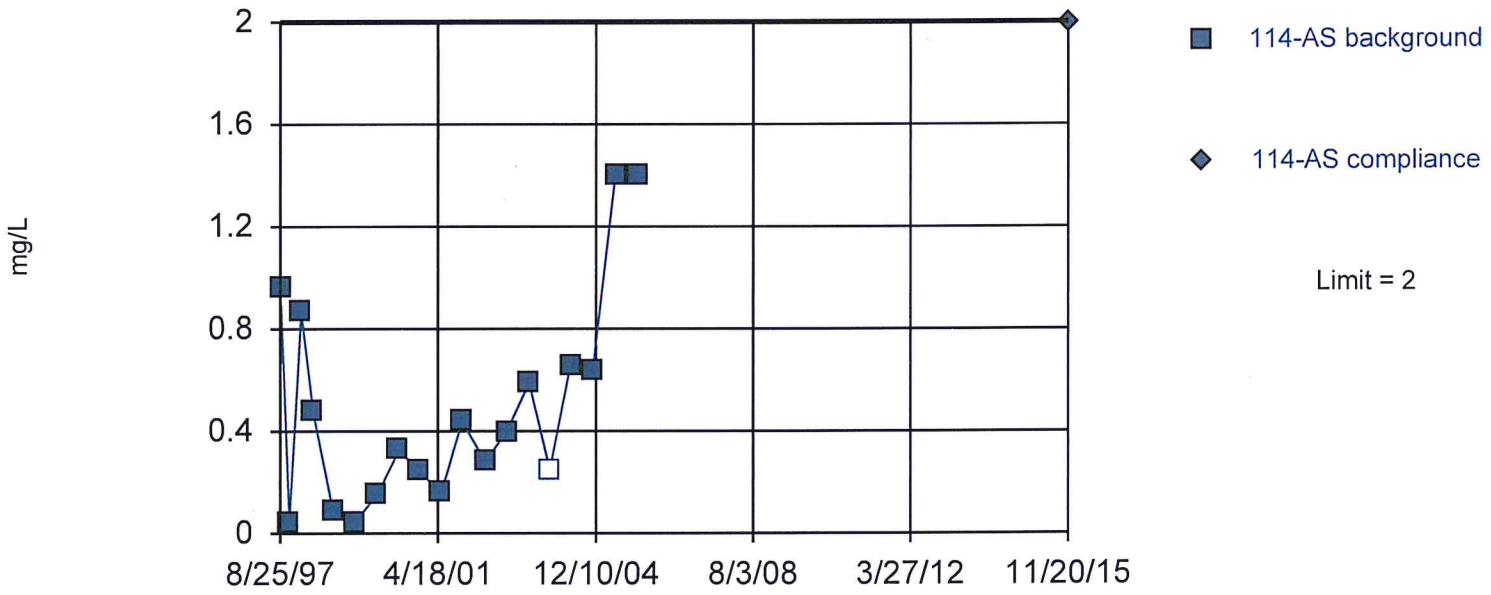
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.302 (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 1/7/2016 1:32 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/22/2016, 10:14 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)	114-AS	190	n/a	11/20/2015	56.5	No	23	7.394	2.888	4.348	None	sqrt(x)	0.0007744	Param Intra 1 of 2

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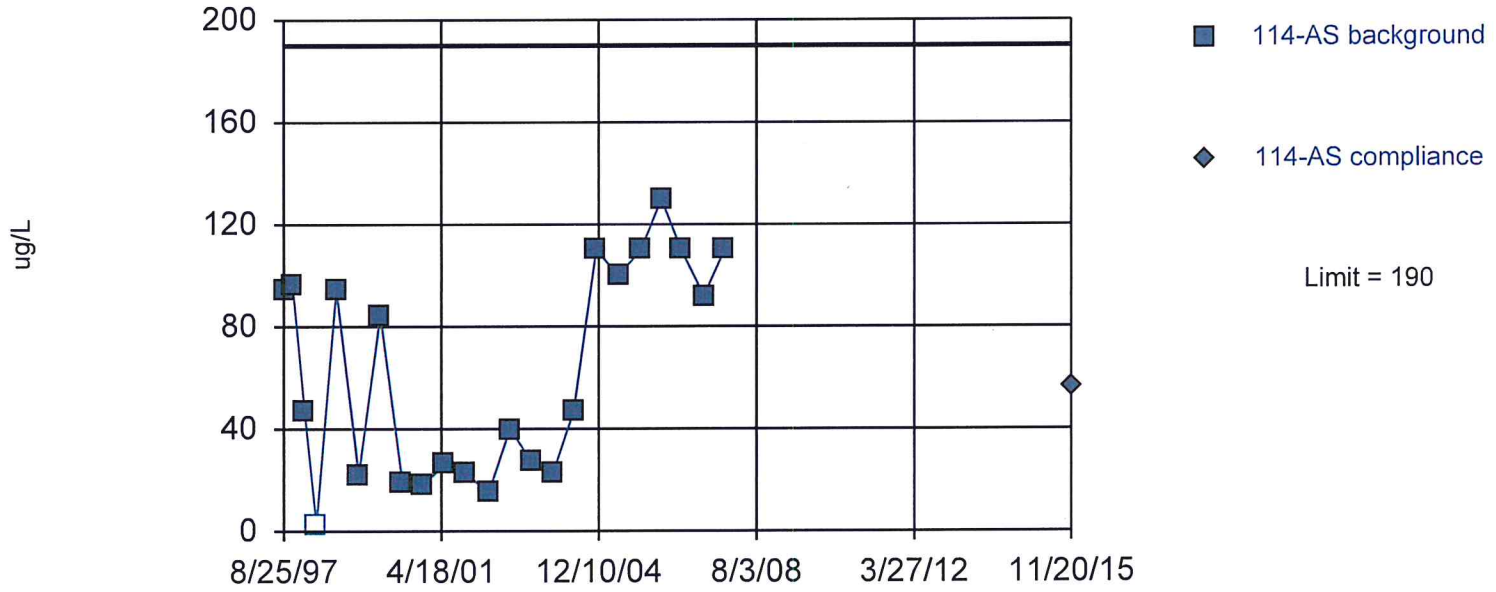
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on 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 = 2.224 (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 1/22/2016 10:13 AM

Bridgeton LF Client: RSI Data: BRIDGETON

TIME SERIES GRAPHS

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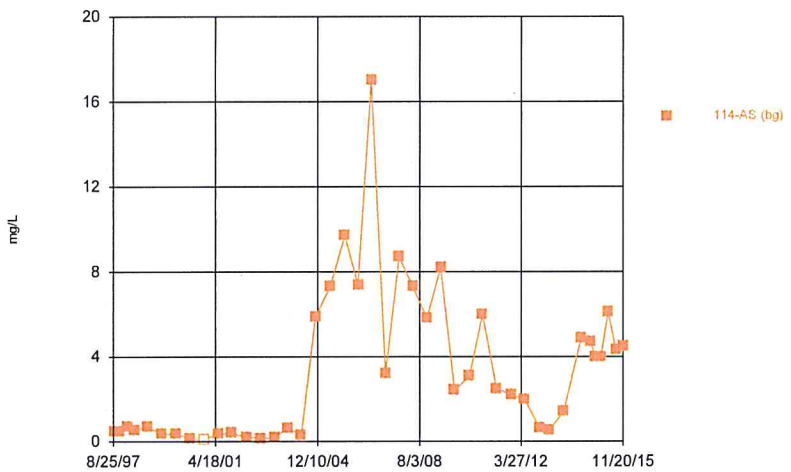
Hollow symbols indicate censored values.

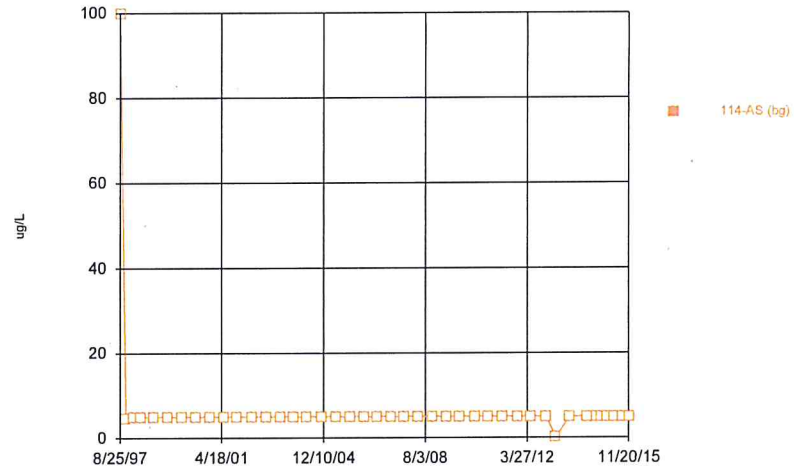
Time Series



Constituent: Ammonia as N Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

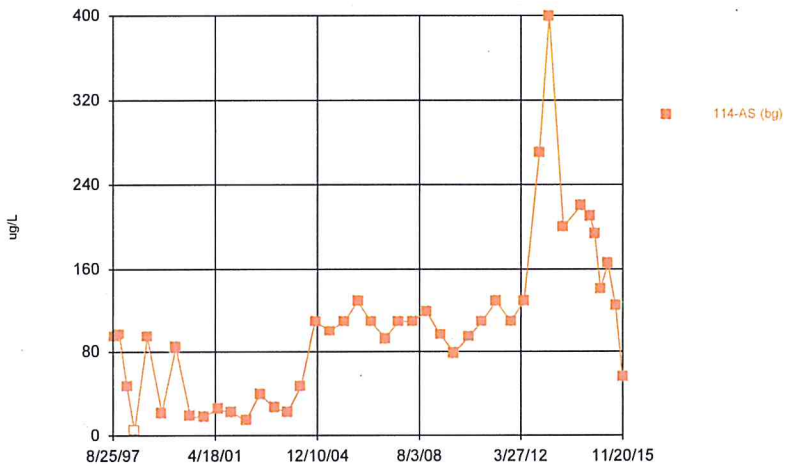
Time Series



Constituent: Antimony Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

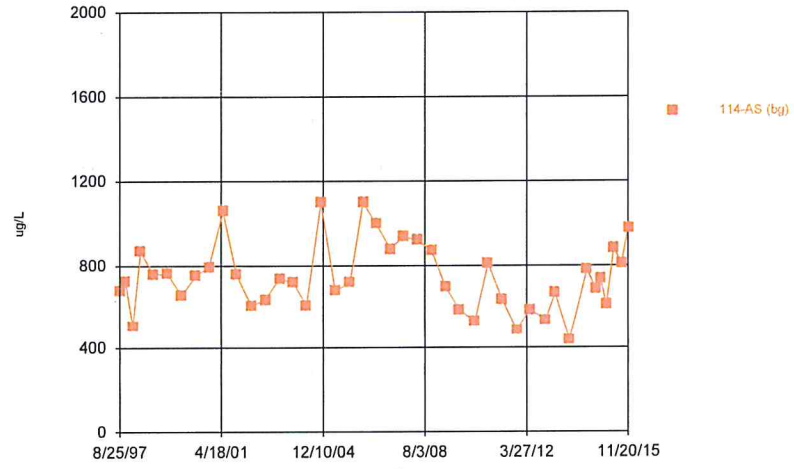
Time Series



Constituent: Arsenic Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

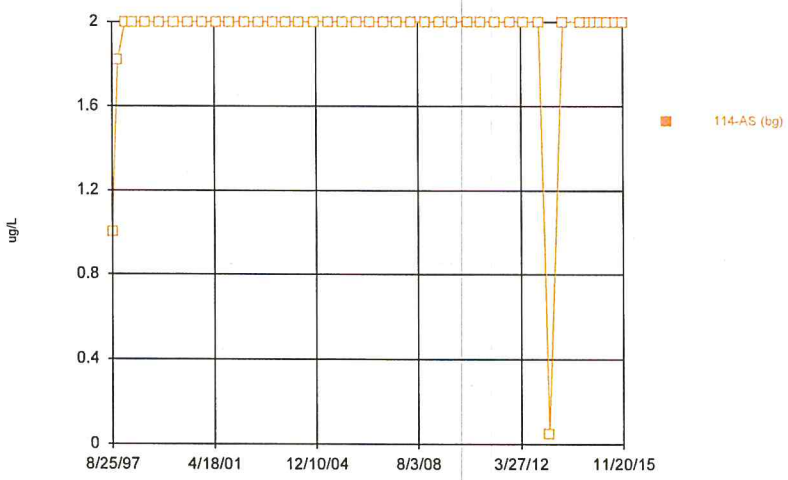
Time Series



Constituent: Barium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

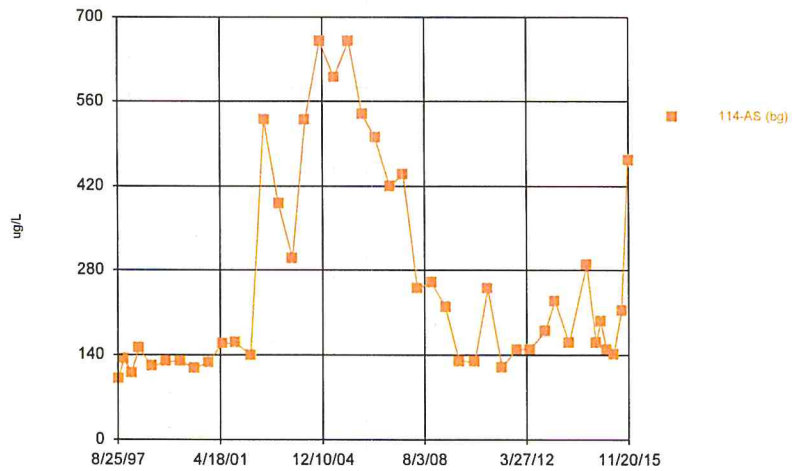
Time Series



Constituent: Beryllium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

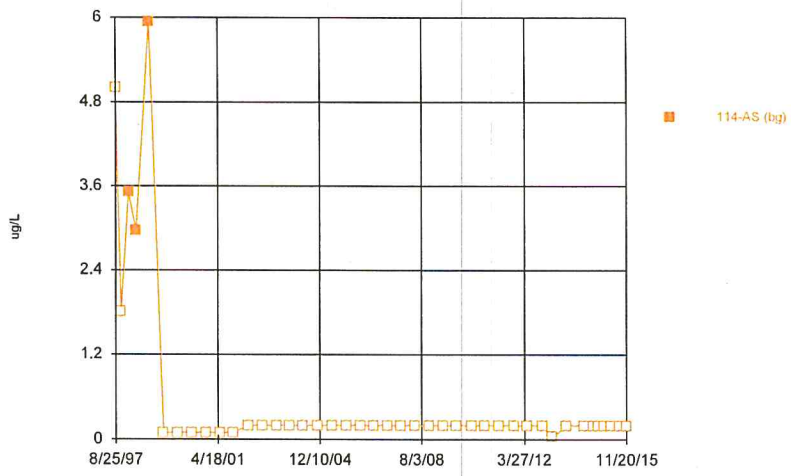
Time Series



Constituent: Boron Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

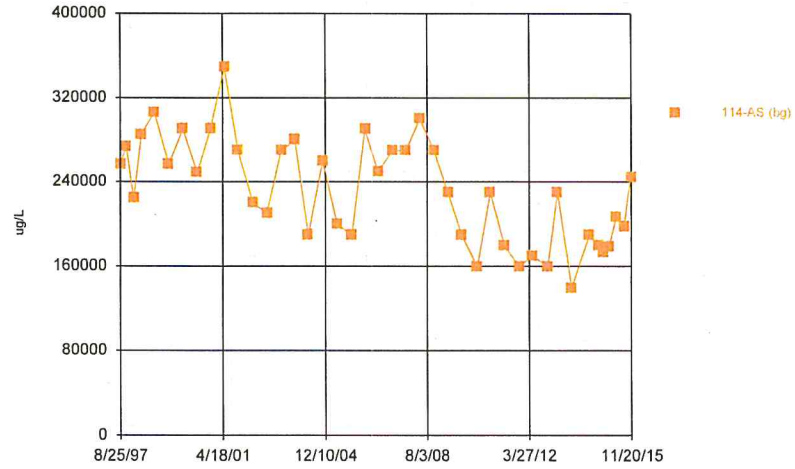
Time Series



Constituent: Cadmium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

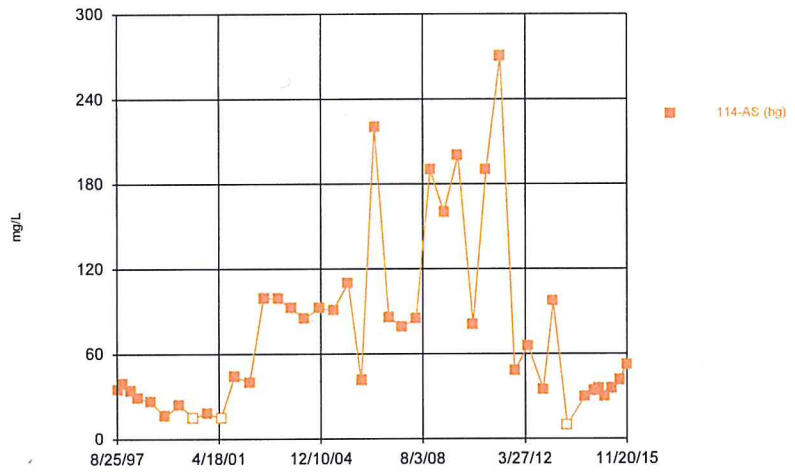
Time Series



Constituent: Calcium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

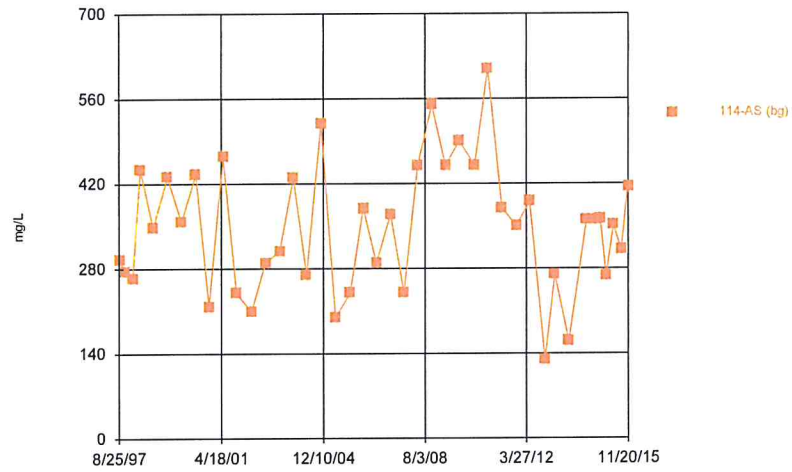
Time Series



Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

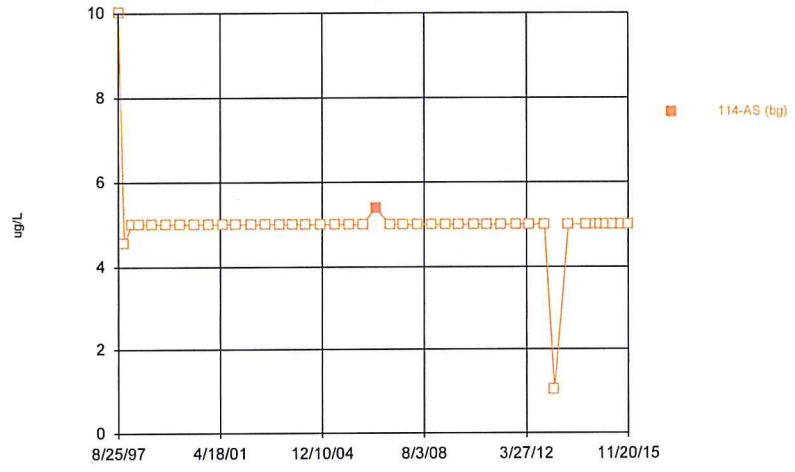
Time Series



Constituent: Chloride Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

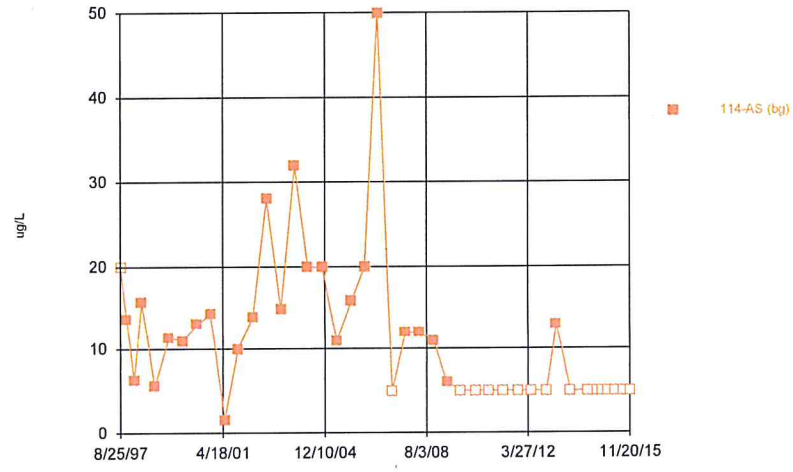
Time Series



Constituent: Chromium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

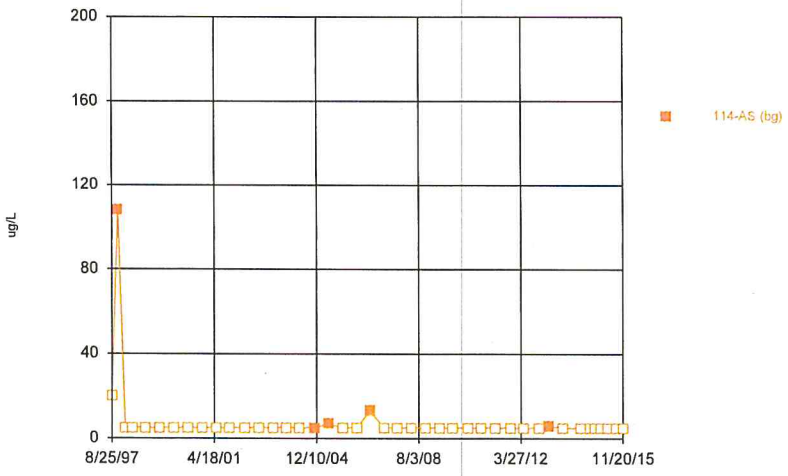
Time Series



Constituent: Cobalt Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

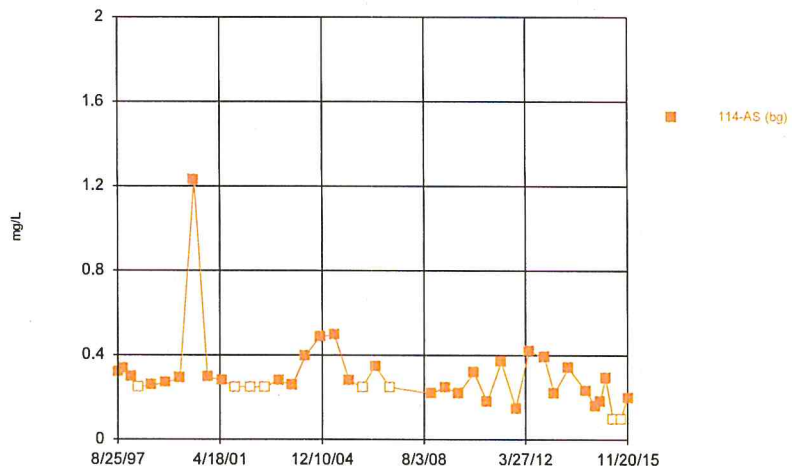
Time Series



Constituent: Copper Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

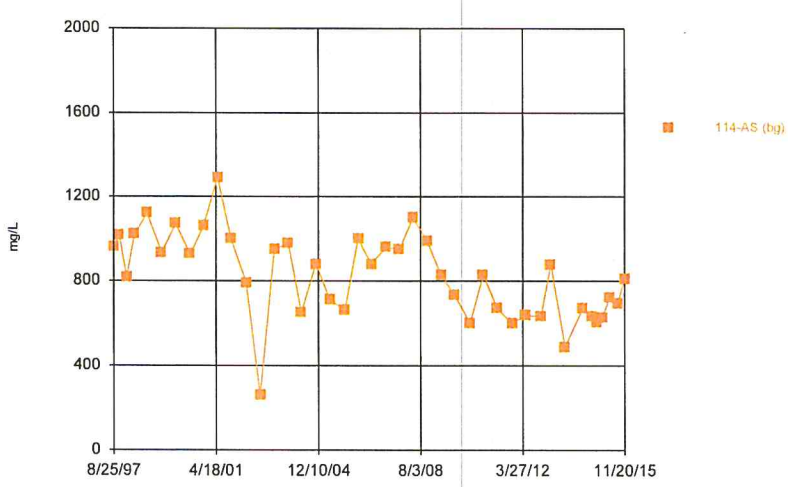
Time Series



Constituent: Fluoride Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

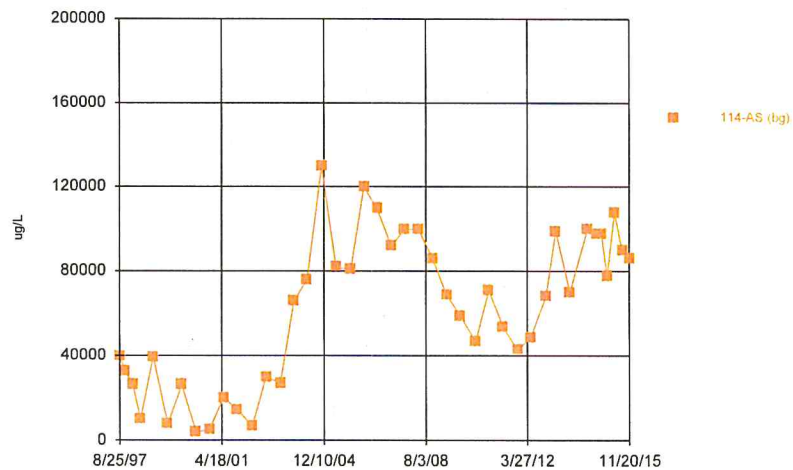
Time Series



Constituent: Hardness Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

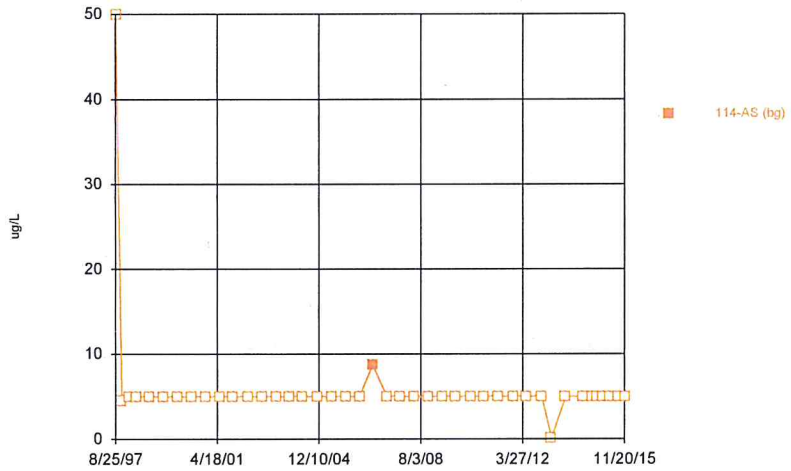
Time Series



Constituent: Iron Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

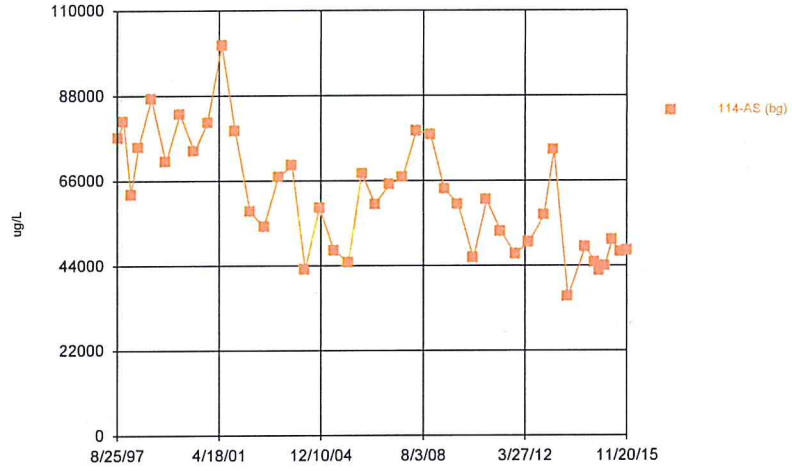
Time Series



Constituent: Lead Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

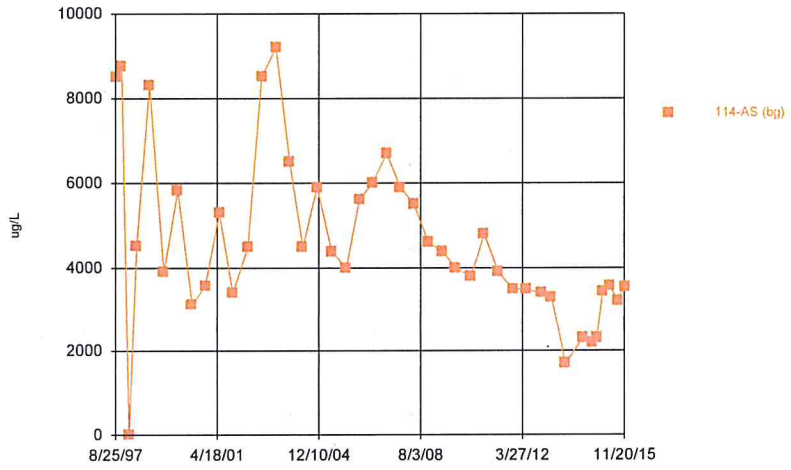
Time Series



Constituent: Magnesium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

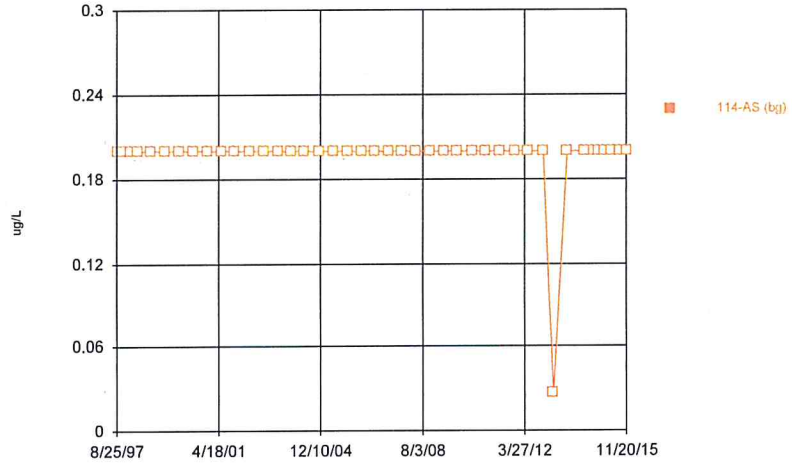
Time Series



Constituent: Manganese Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

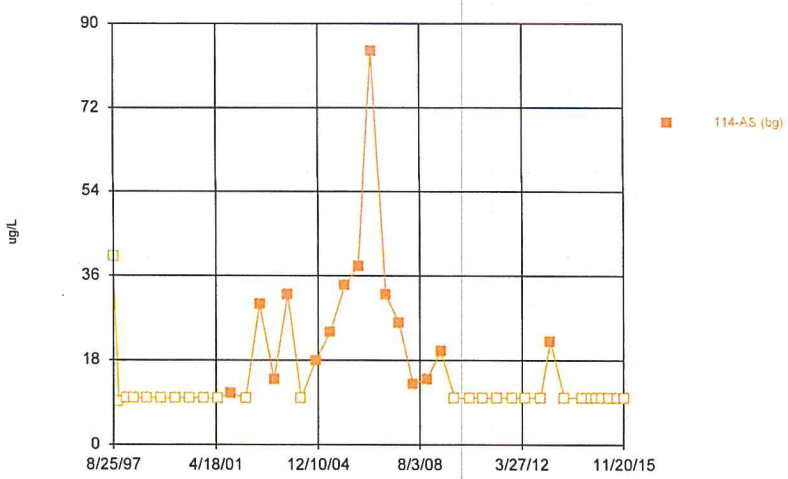
Time Series



Constituent: Mercury Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

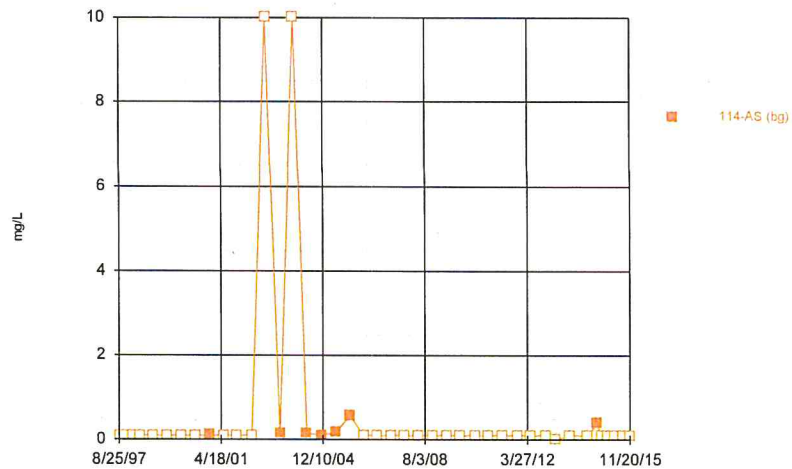
Time Series



Constituent: Nickel Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

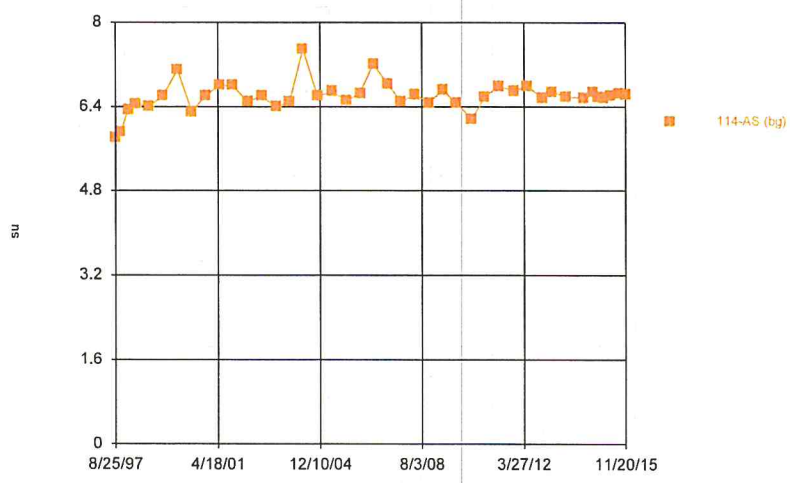
Time Series



Constituent: Nitrate/Nitrite Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

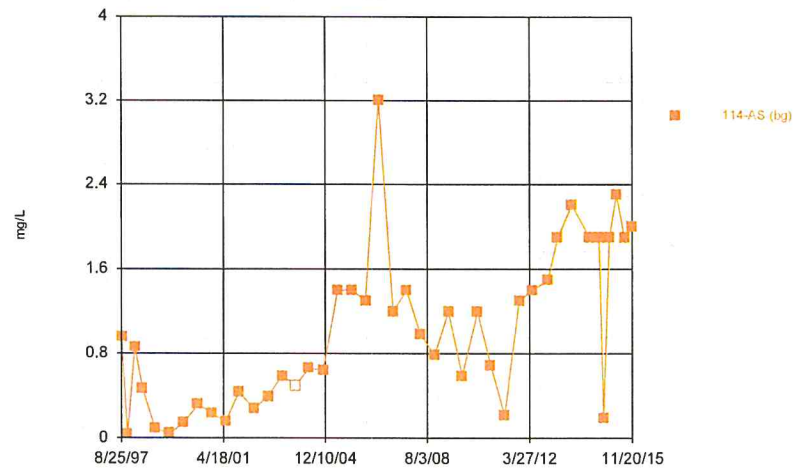
Time Series



Constituent: pH [Field] Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

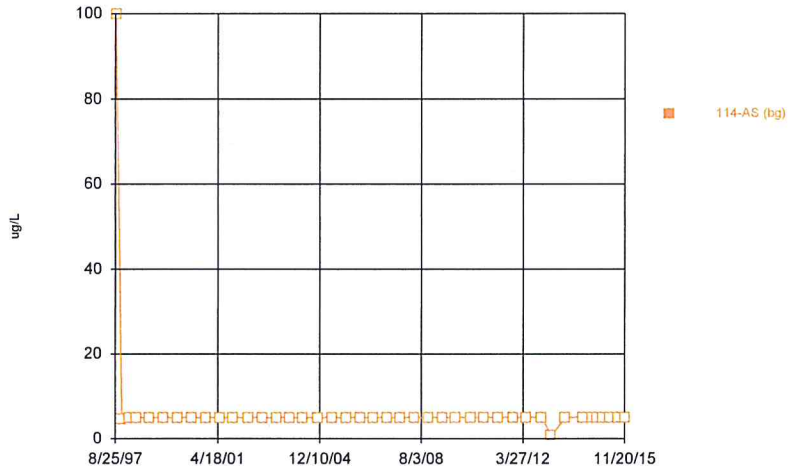
Time Series



Constituent: Phosphorus Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

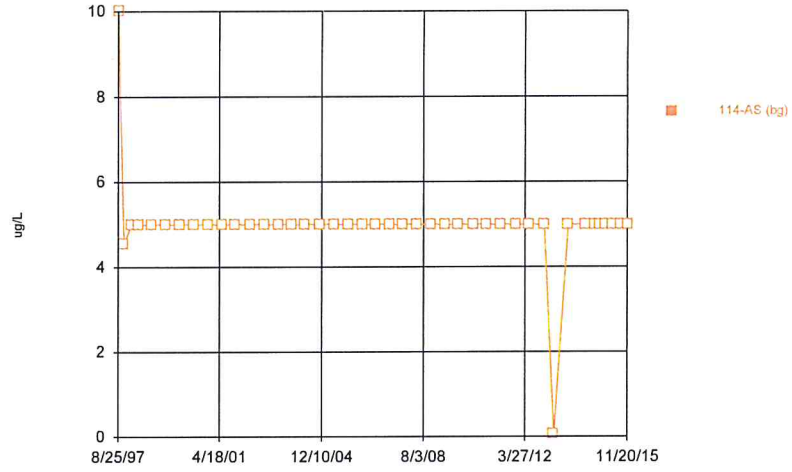
Time Series



Constituent: Selenium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

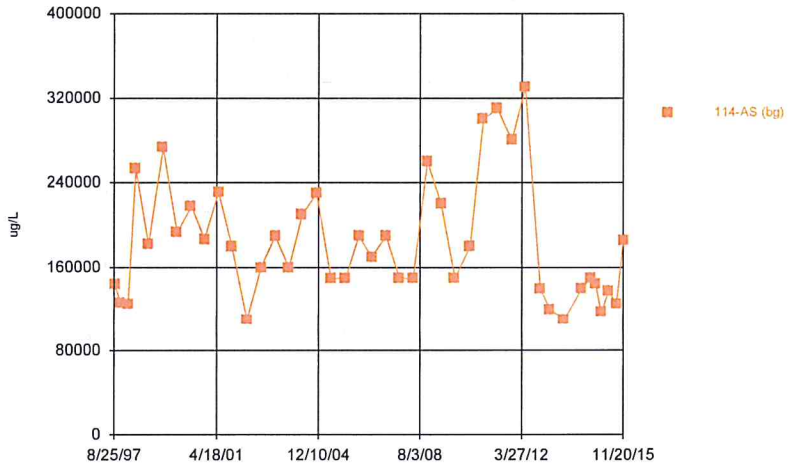
Time Series



Constituent: Silver Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

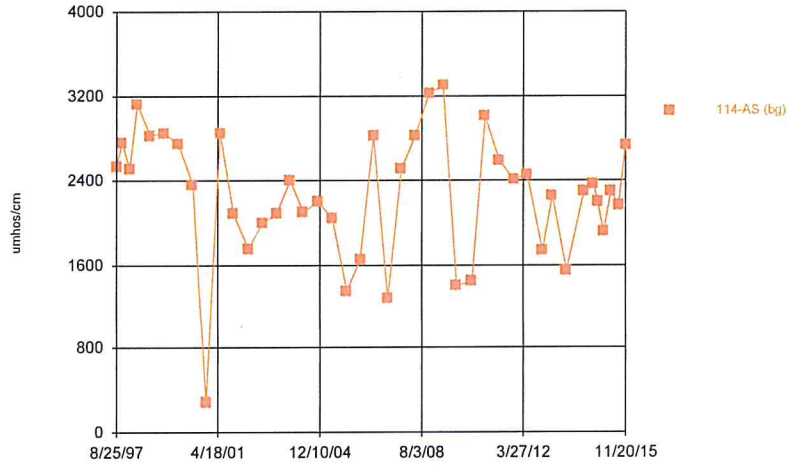
Time Series



Constituent: Sodium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

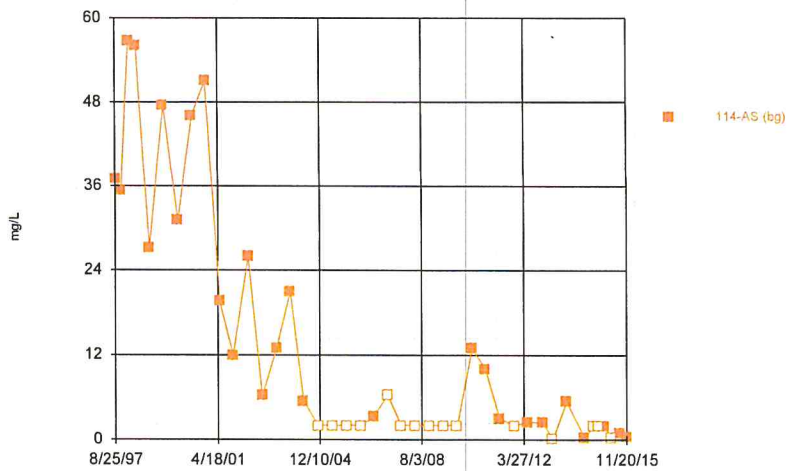
Time Series



Constituent: Specific Conductance [Field] Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

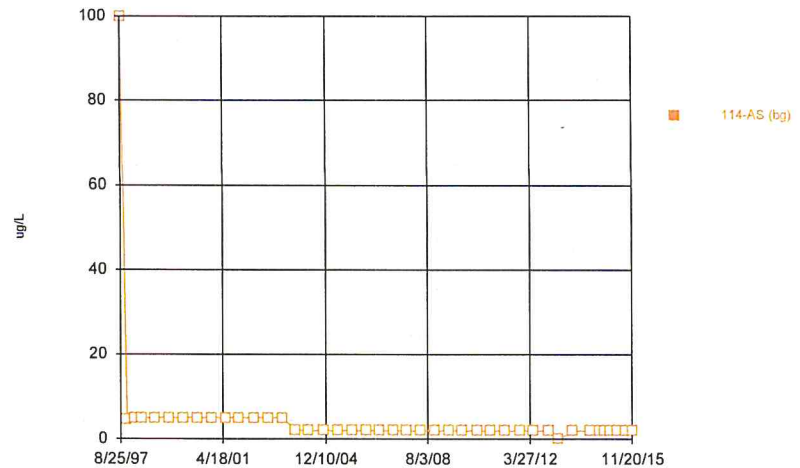
Time Series



Constituent: Sulfate as SO4 Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

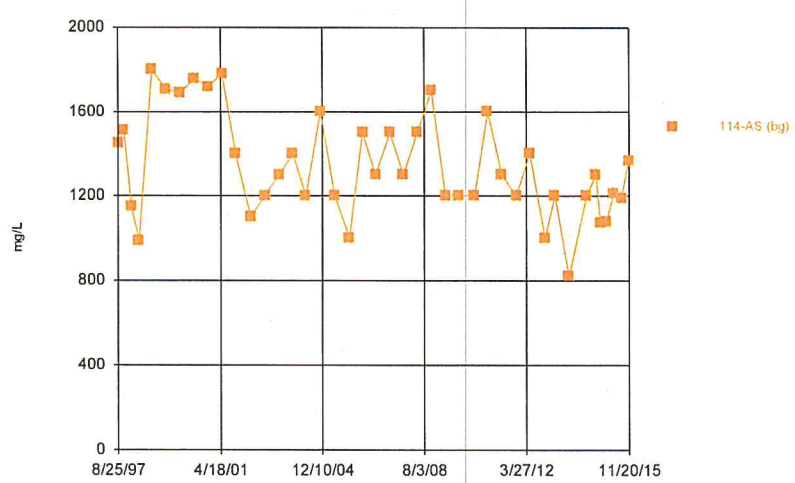
Time Series



Constituent: Thallium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

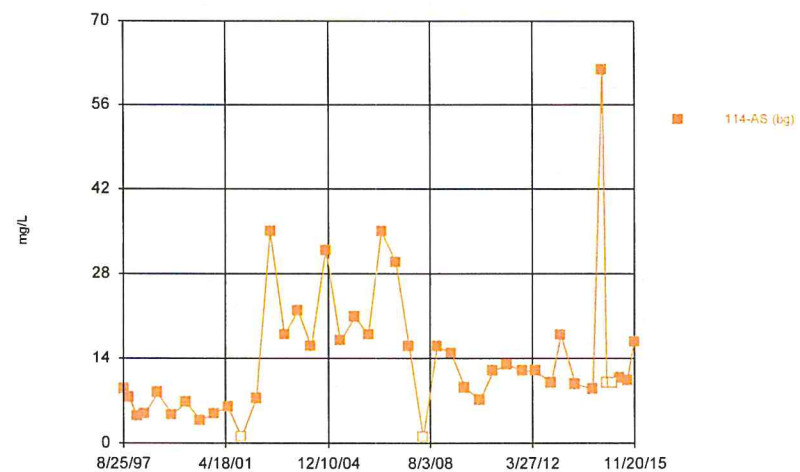
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

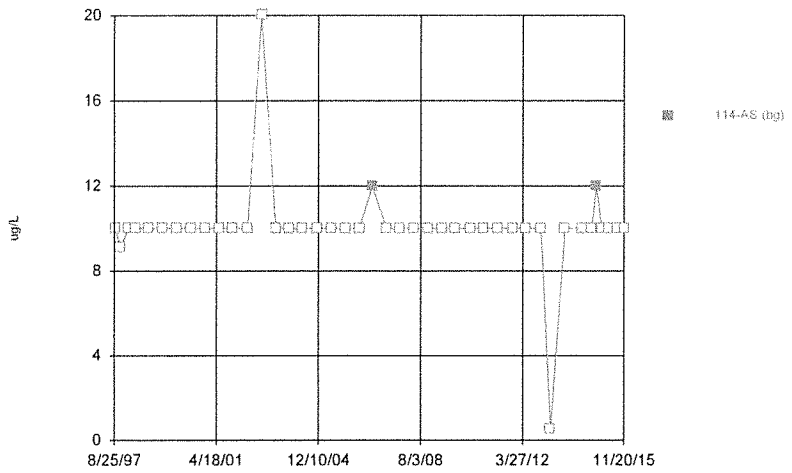
Time Series



Constituent: Total Organic Carbon [TOC] Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting UG
Hollow symbols indicate censored values.

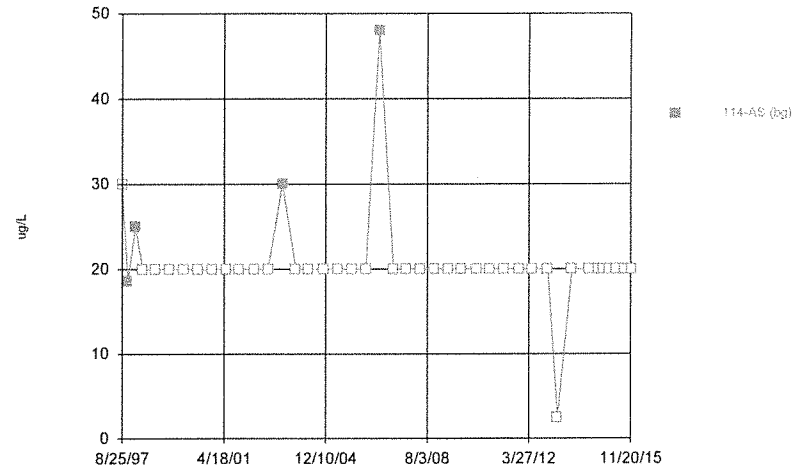
Time Series



Constituent: Vanadium Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting UG
Hollow symbols indicate censored values.

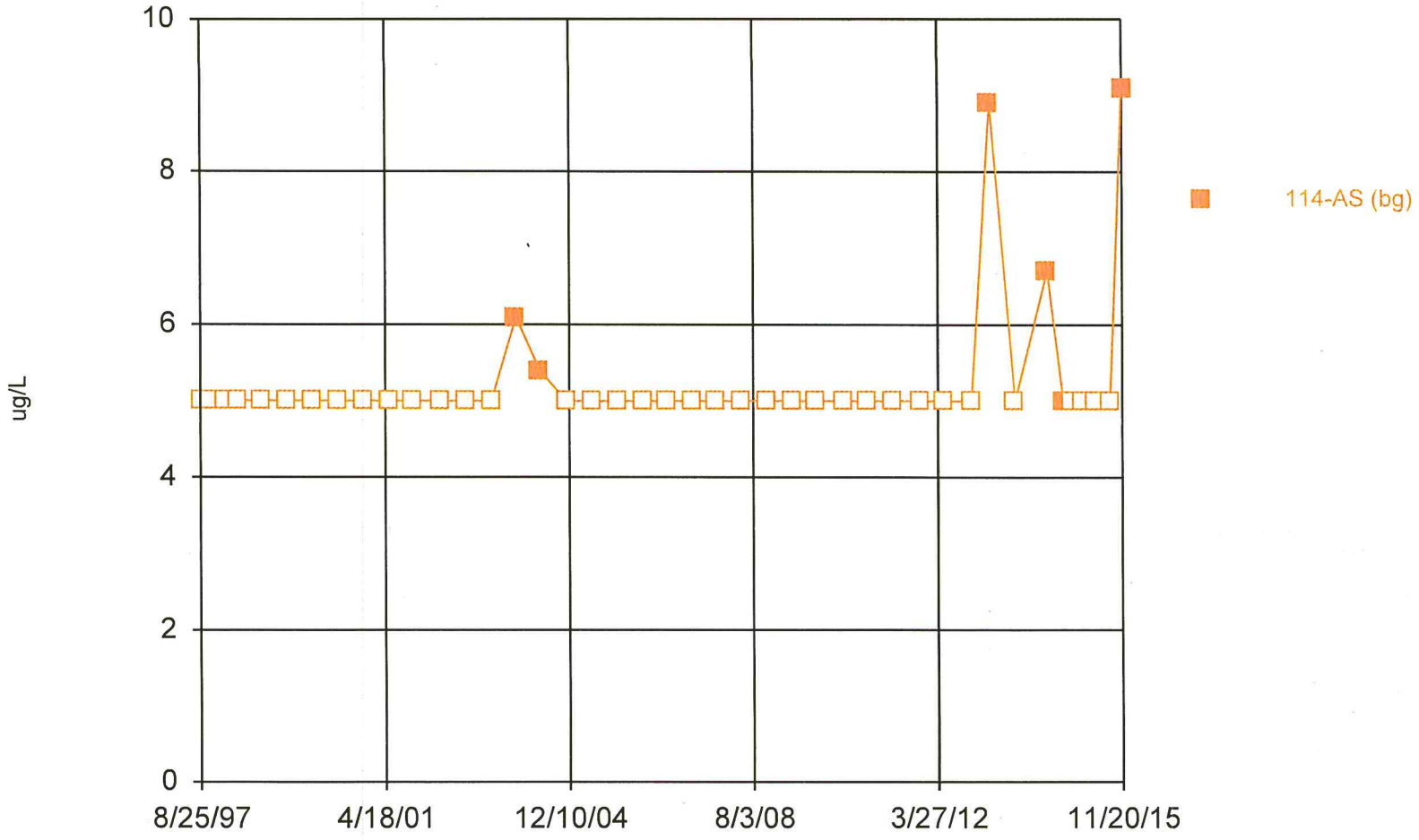
Time Series



Constituent: Zinc Total Analysis Run 1/22/2016 10:51 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

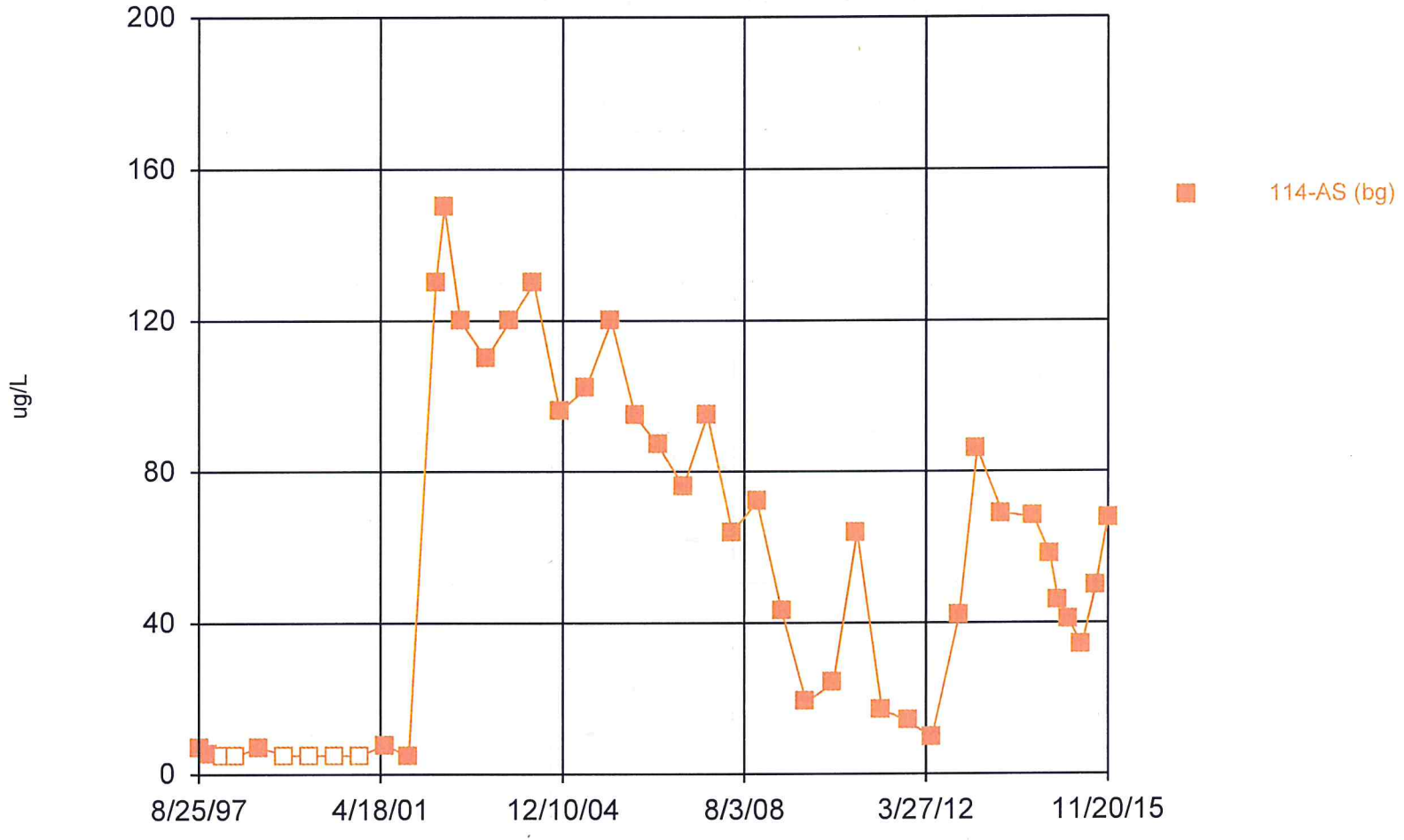


Constituent: Benzene Analysis Run 1/8/2016 9:39 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

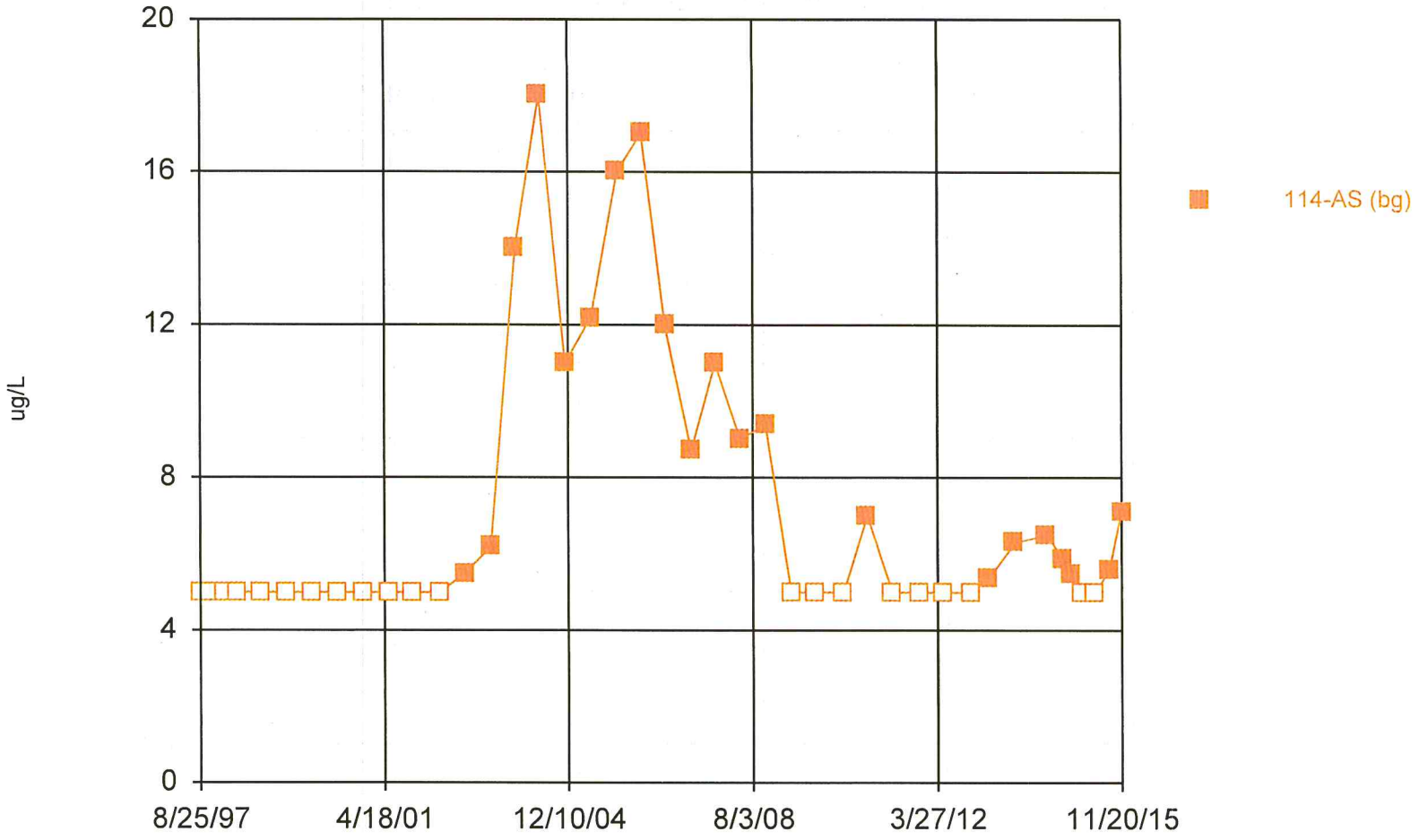


Constituent: Chlorobenzene Analysis Run 1/8/2016 9:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series



Constituent: 14-Dichlorobenzene Analysis Run 1/8/2016 9:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

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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

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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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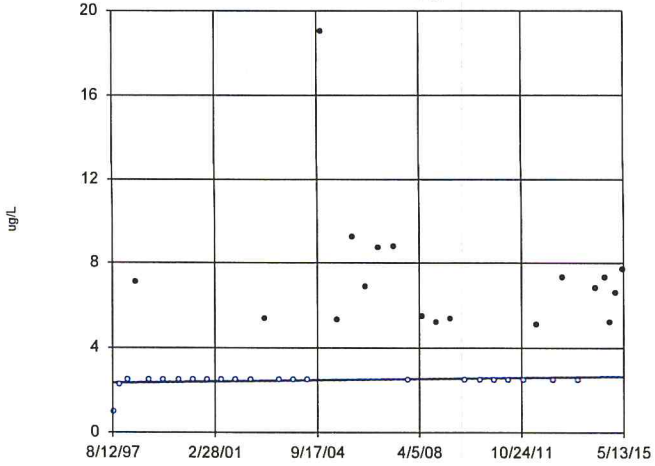
Hollow symbols indicate censored values.

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

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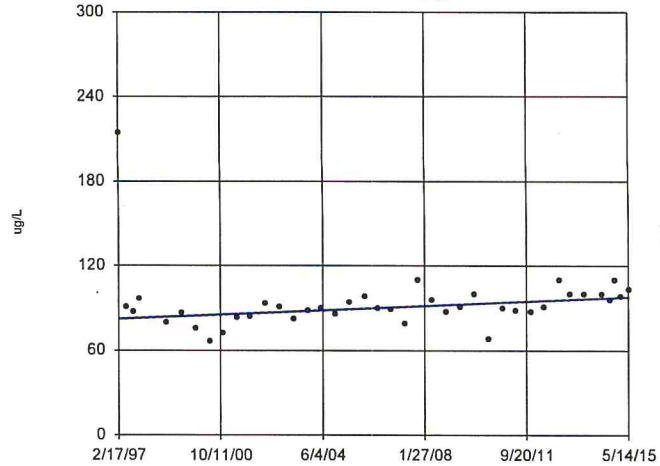
Sen's Slope Estimator

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

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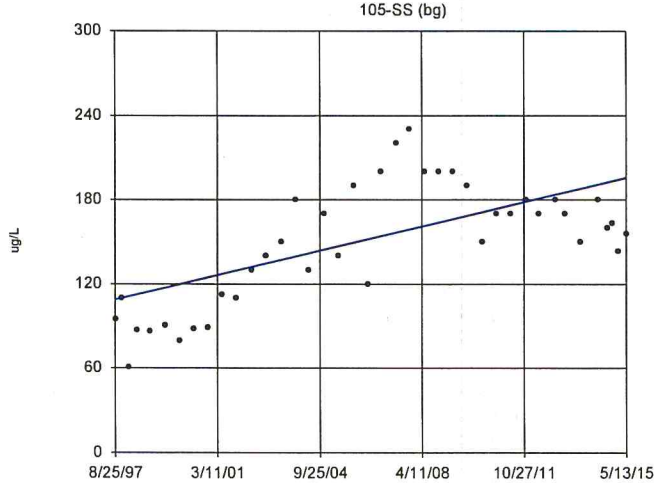
Sen's Slope Estimator

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

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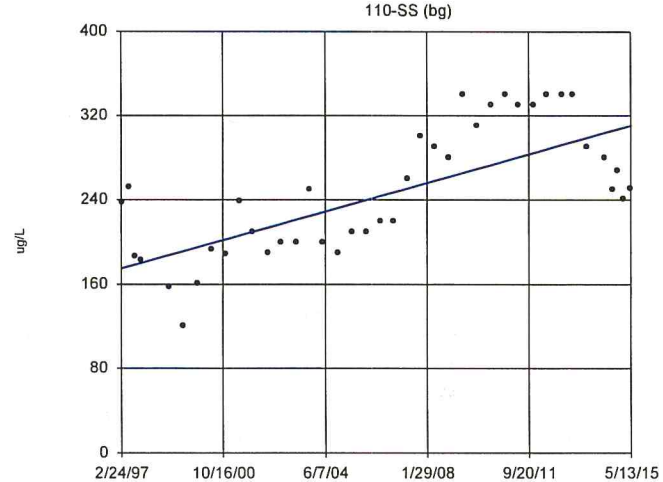
Sen's Slope Estimator

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

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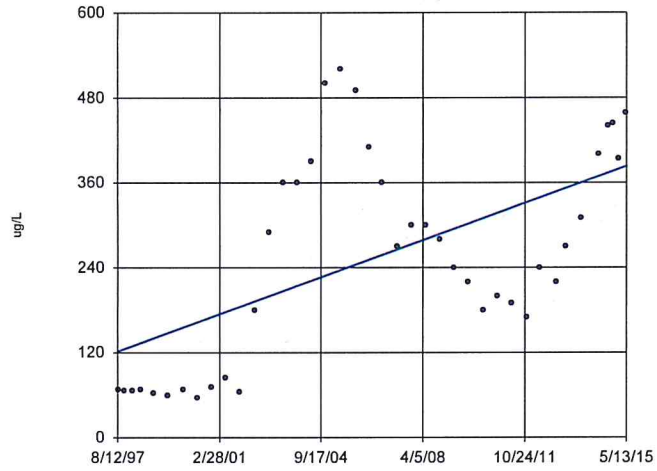
Sen's Slope Estimator

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

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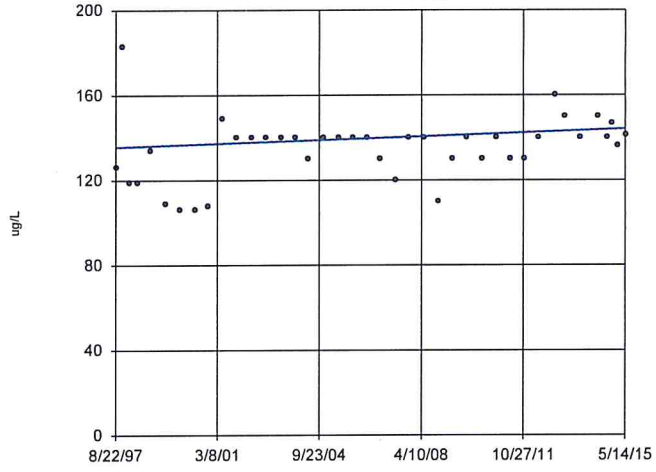
Sen's Slope Estimator

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

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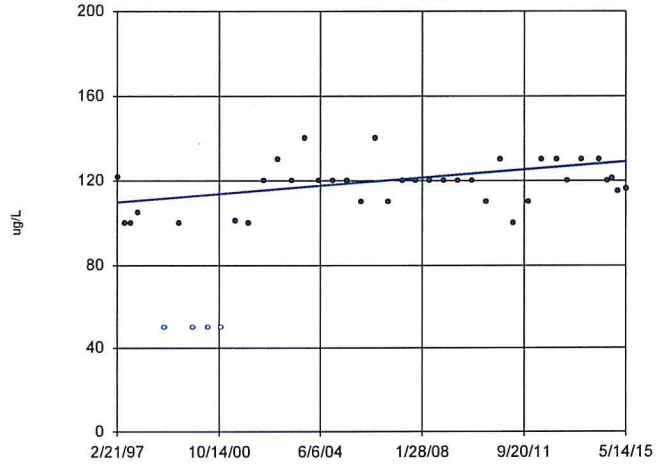
Hollow symbols indicate censored values.

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

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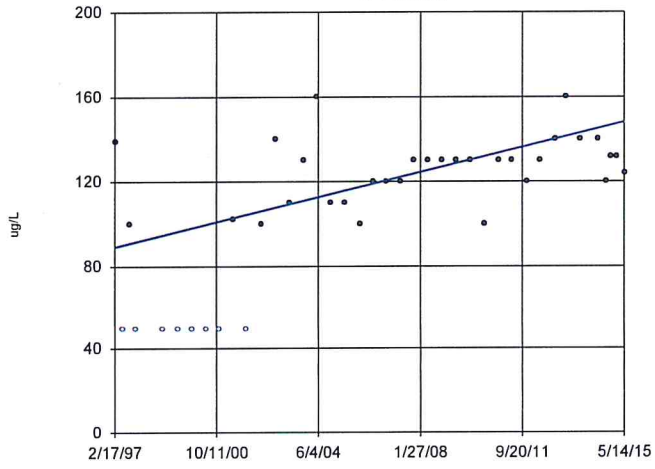
Hollow symbols indicate censored values.

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

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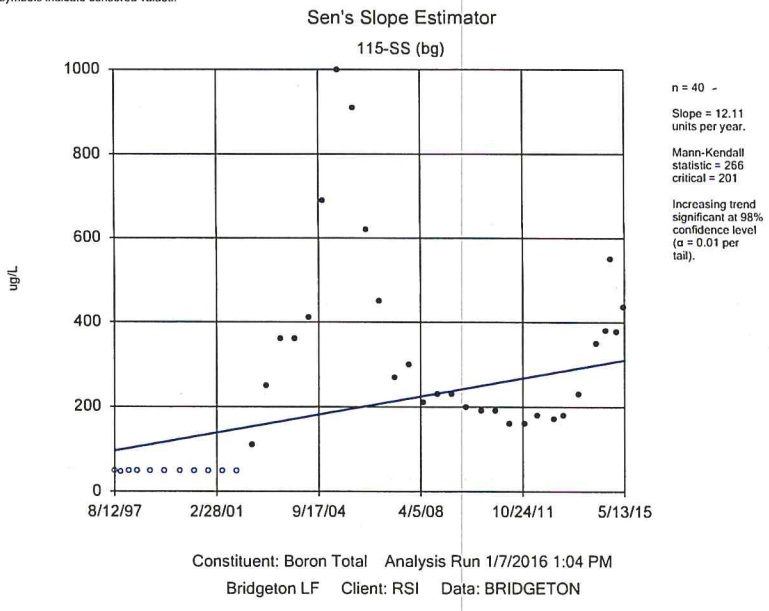
Hollow symbols indicate censored values.



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

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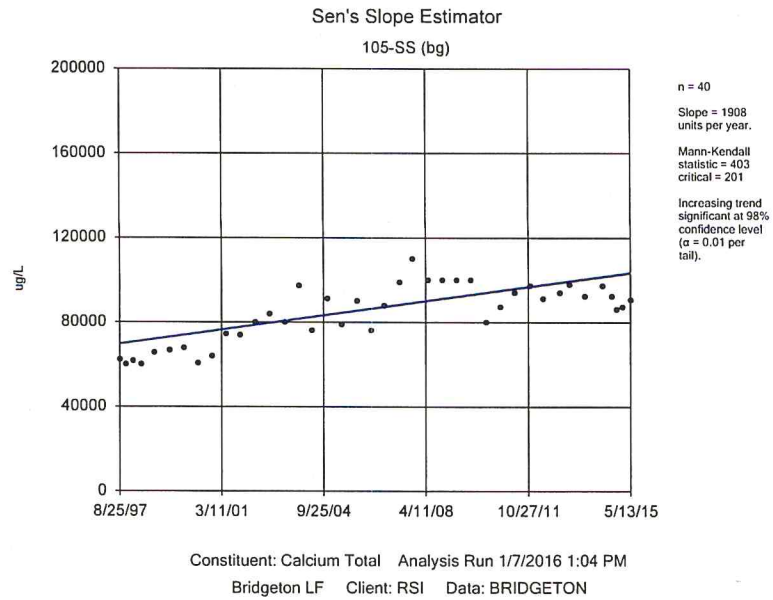
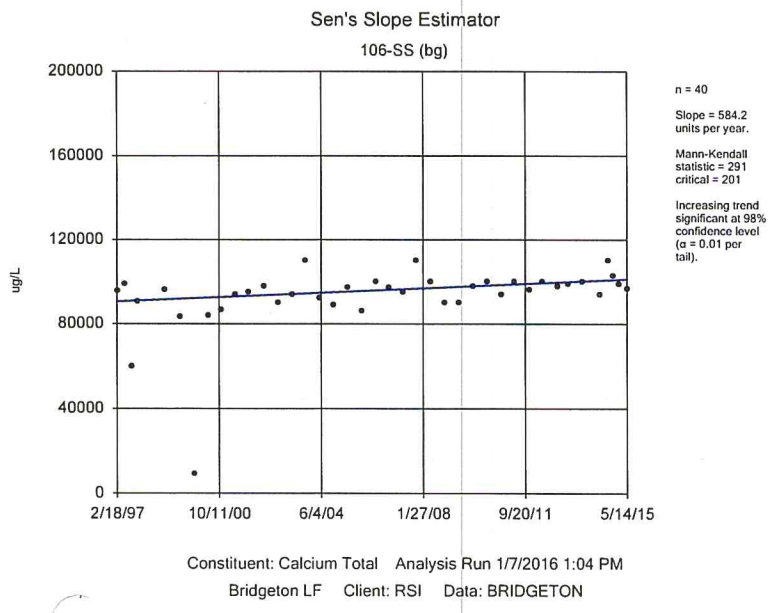


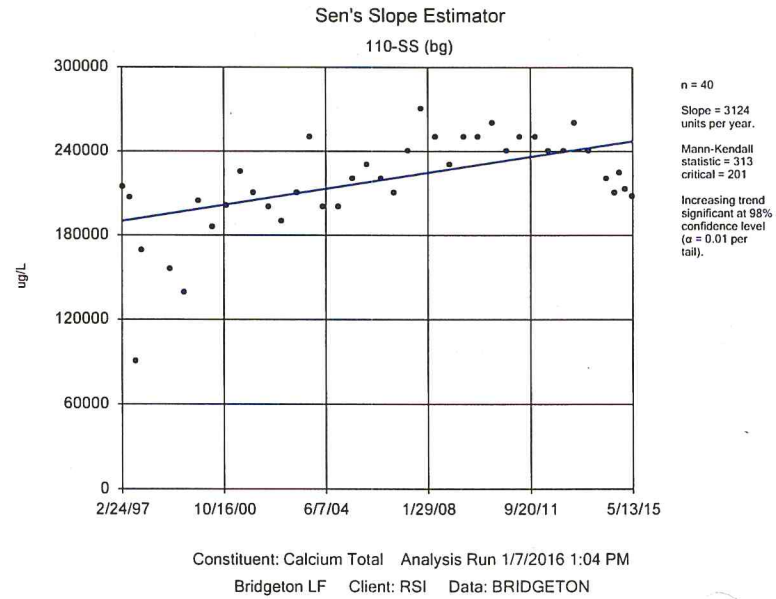
Constituent: Calcium Total Analysis Run 1/7/2016 1:04 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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



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



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

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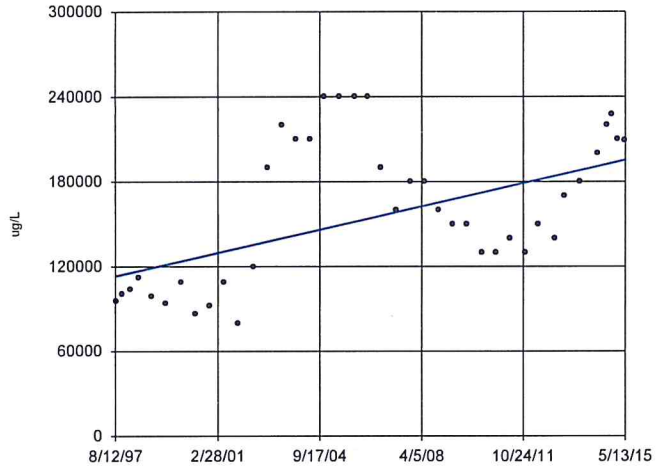
Sen's Slope Estimator

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

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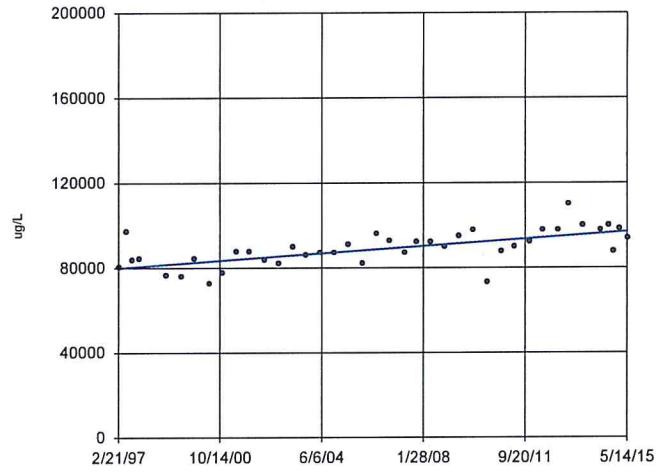
Sen's Slope Estimator

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

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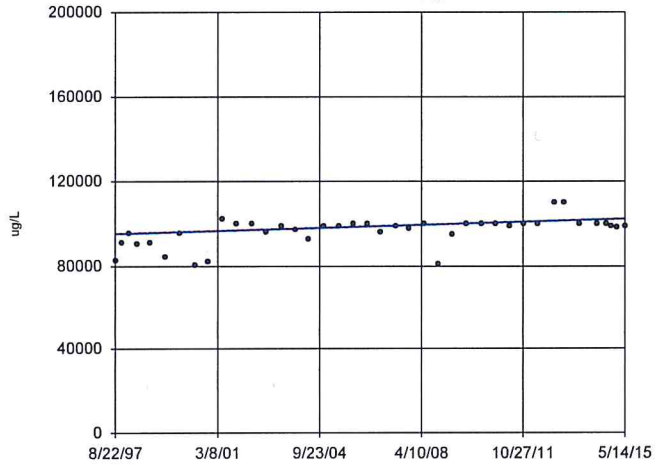
Sen's Slope Estimator

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

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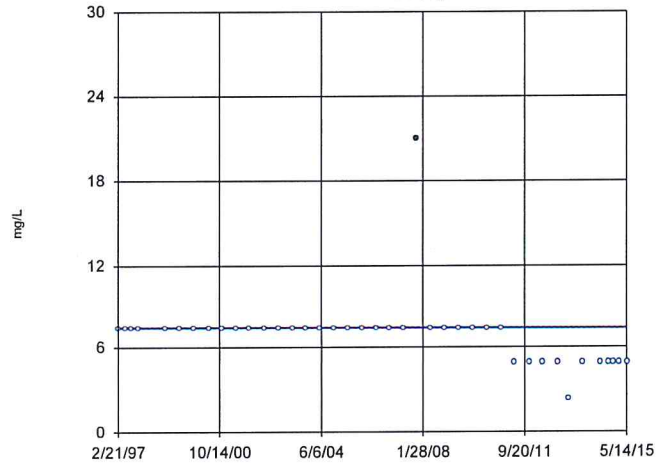
Hollow symbols indicate censored values.

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

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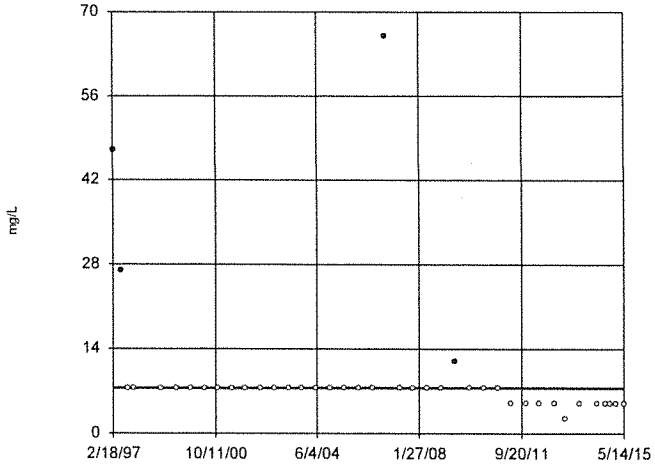
Hollow symbols indicate censored values.

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

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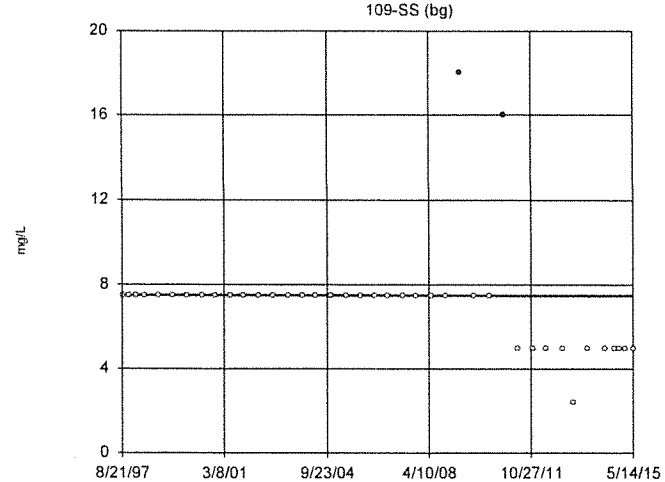
Hollow symbols indicate censored values.

Sen's Slope Estimator

109-SS (bg)



n = 40

Slope = 0
units per year.

Mann-Kendall
statistic = -268
critical = -201

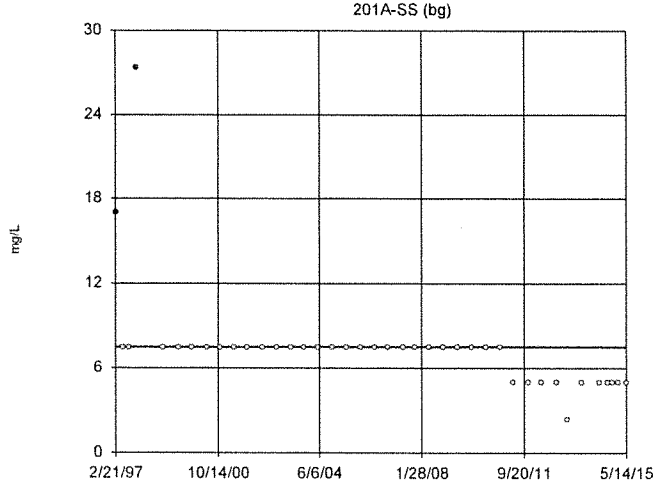
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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

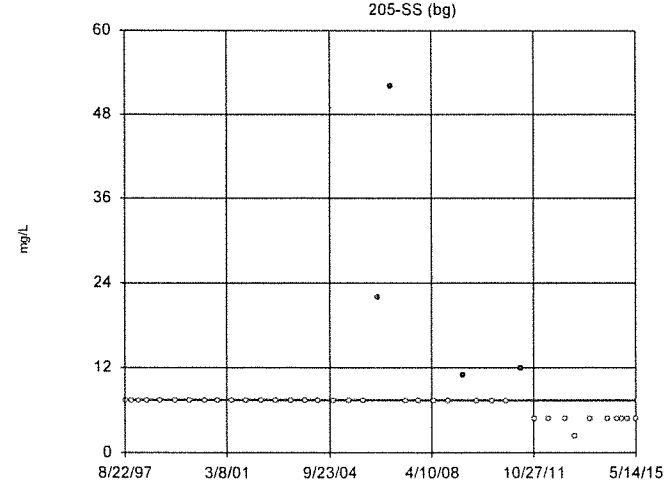
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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

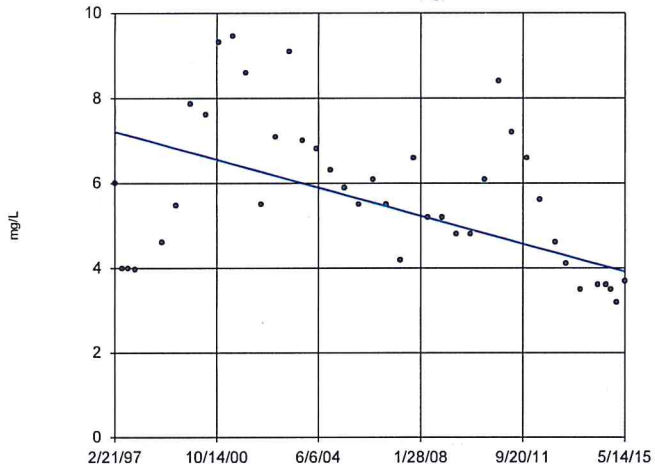
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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

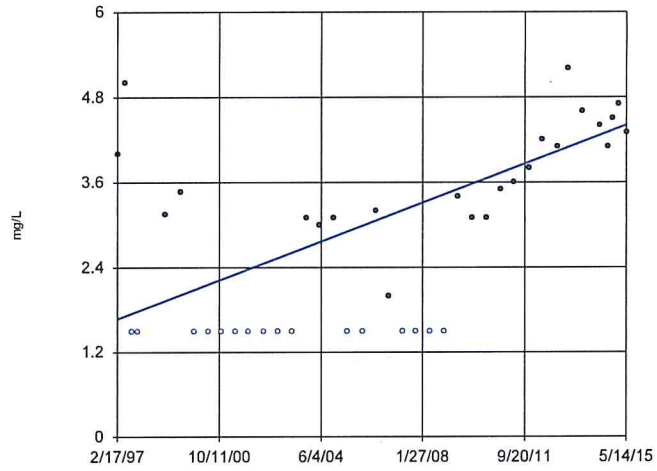
Bridgeton LF Client: RSI Data: BRIDGETON

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).

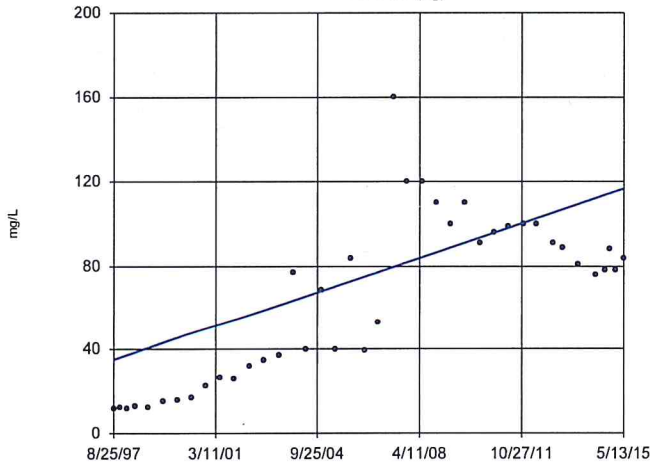
Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

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

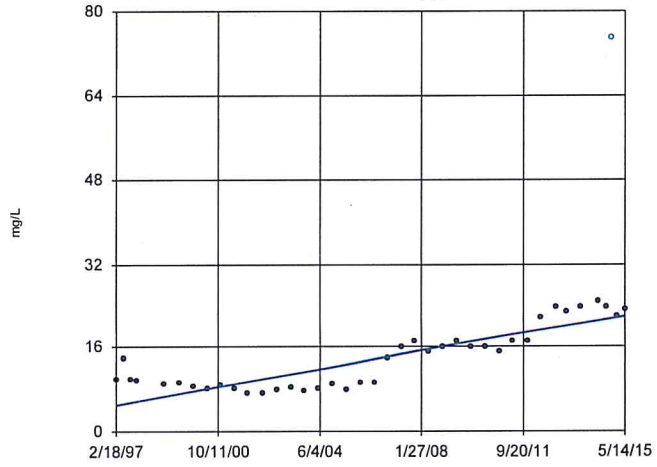
Bridgeton LF Client: RSI Data: BRIDGETON

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).

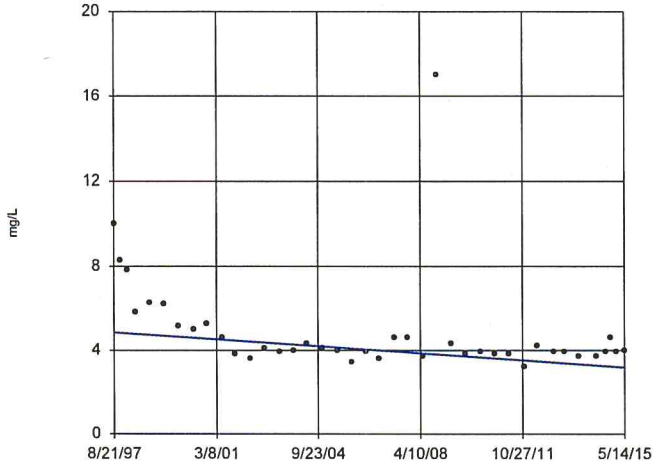
Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

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

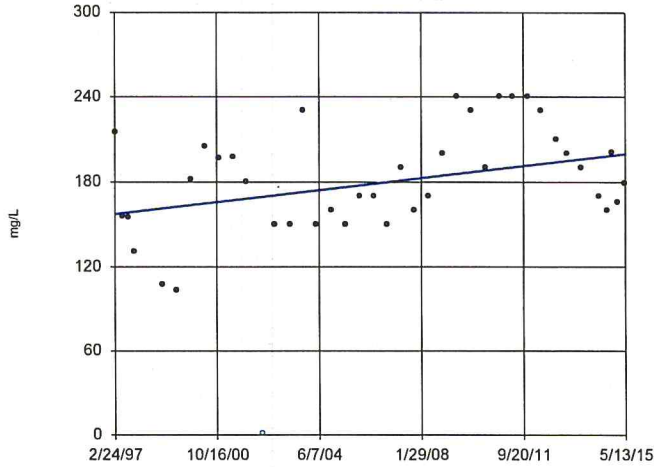
Bridgeton LF Client: RSI Data: BRIDGETON

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).

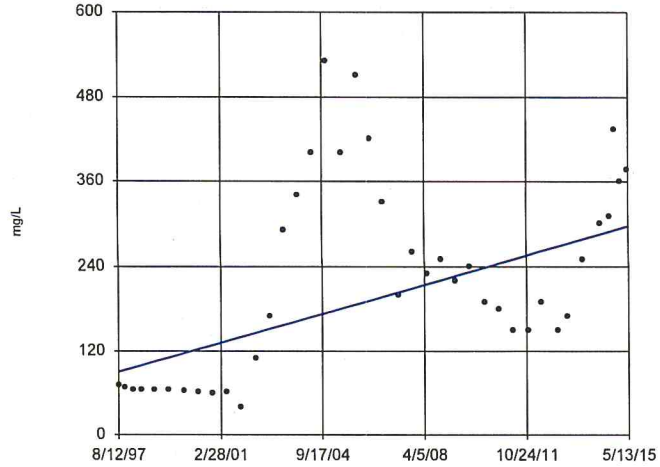
Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

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

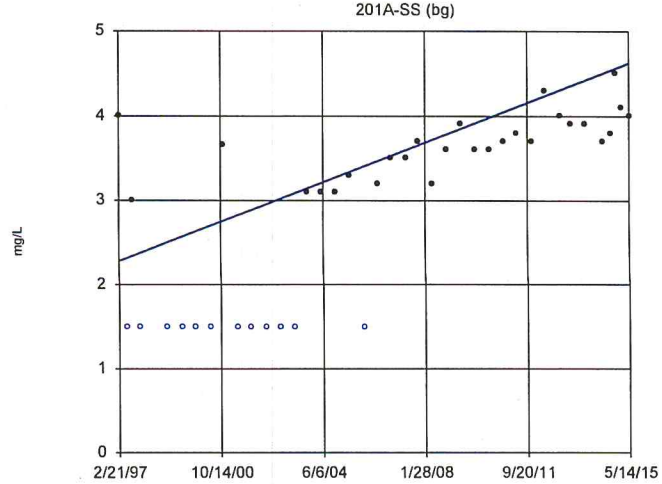
Bridgeton LF Client: RSI Data: BRIDGETON

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).

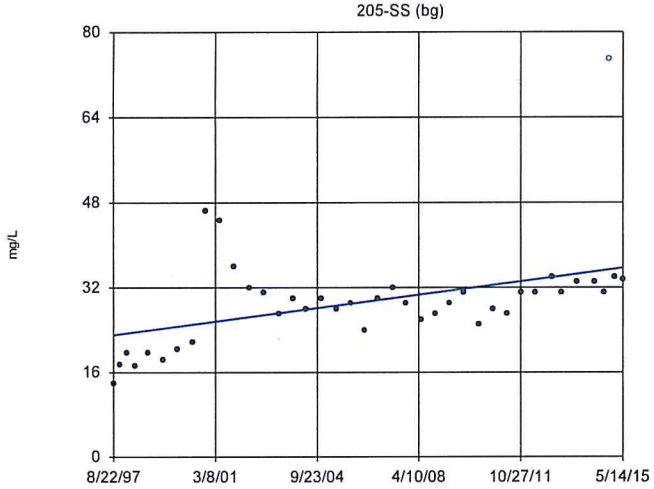
Constituent: Chloride Analysis Run 1/7/2016 1:04 PM

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

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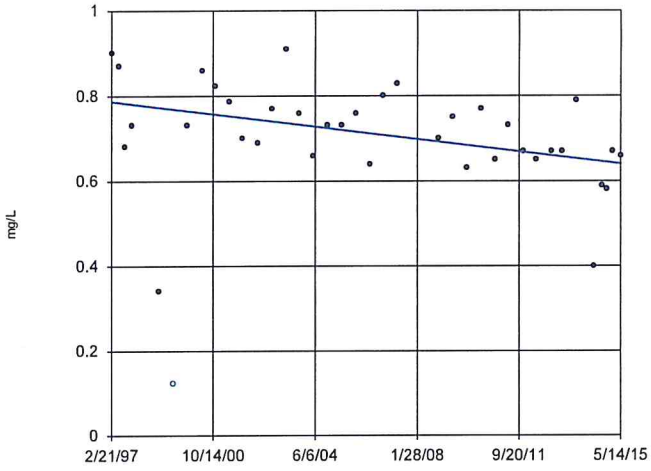
Hollow symbols indicate censored values.

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

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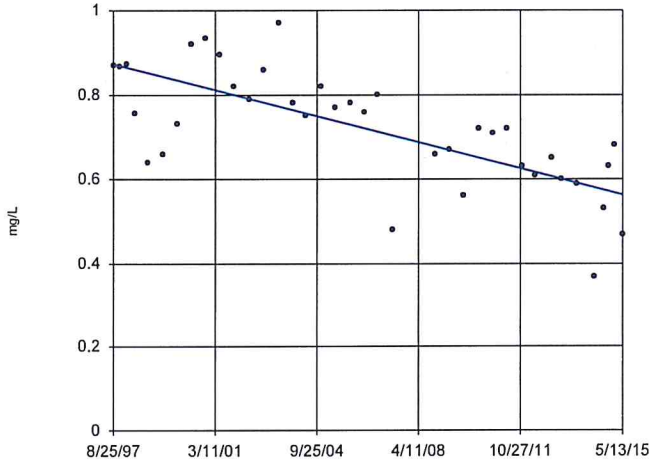
Sen's Slope Estimator

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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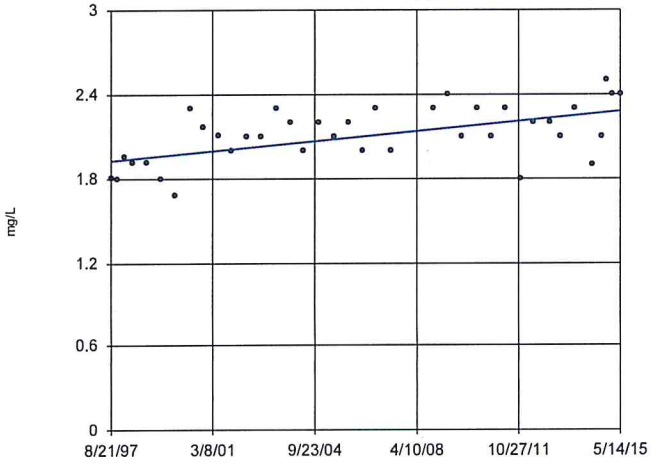
Sen's Slope Estimator

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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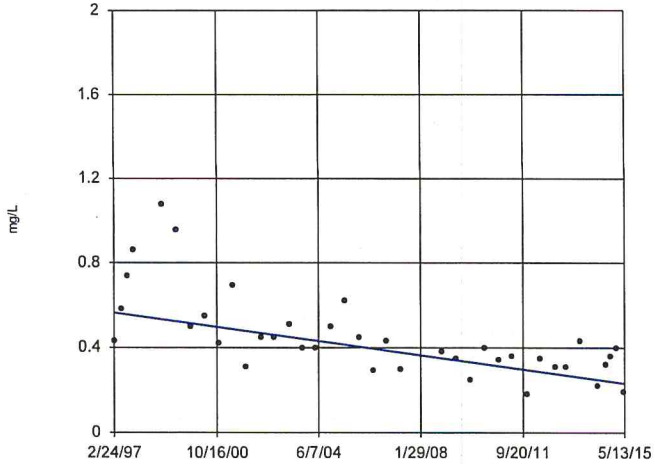
Sen's Slope Estimator

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

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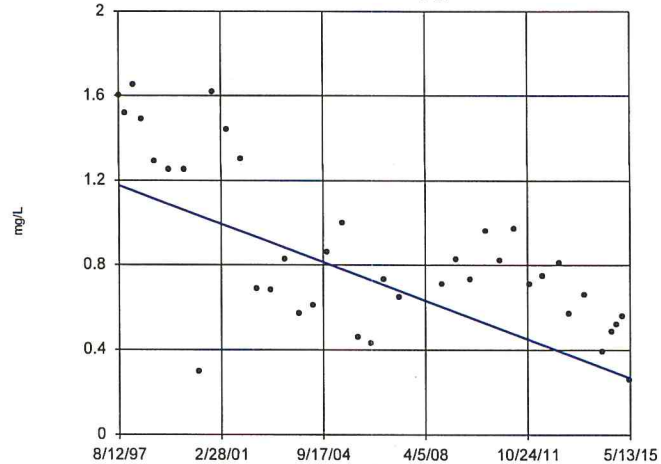
Sen's Slope Estimator

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

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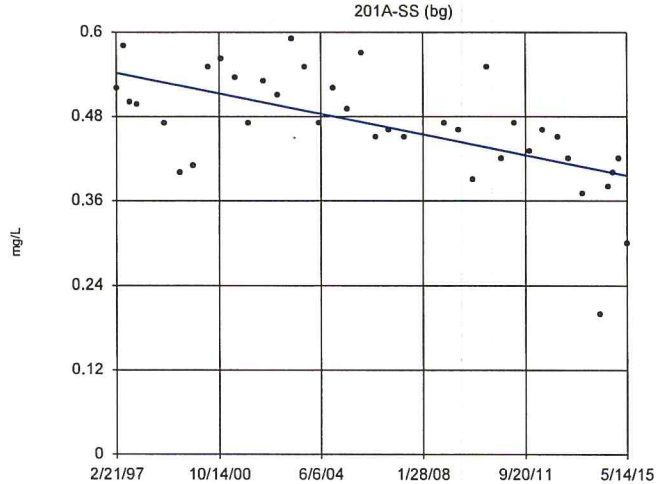
Sen's Slope Estimator

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

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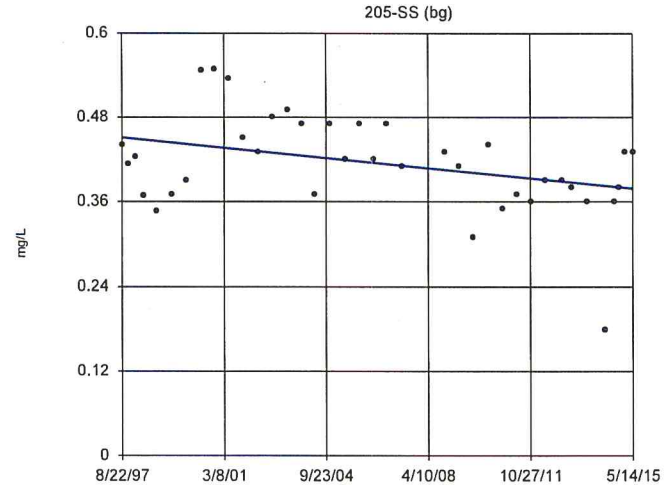
Sen's Slope Estimator

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).

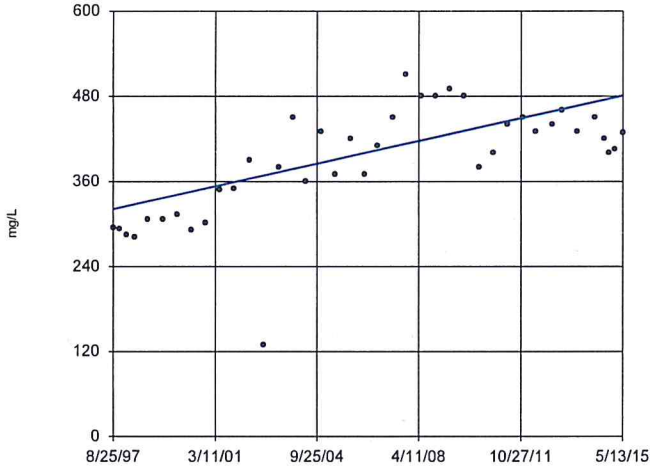
Constituent: Fluoride Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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

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).

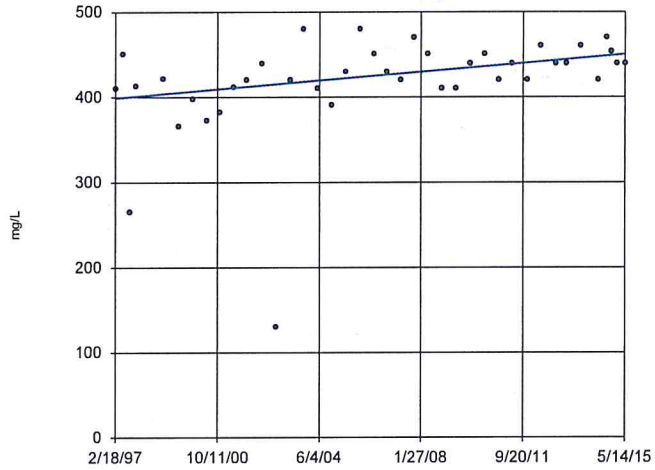
Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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

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).

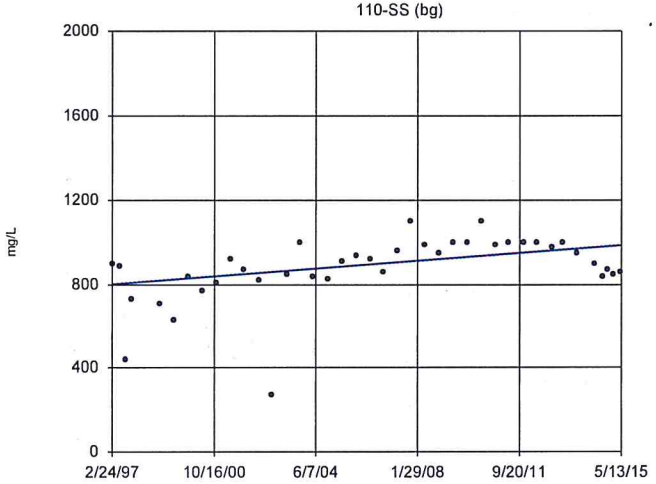
Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

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).

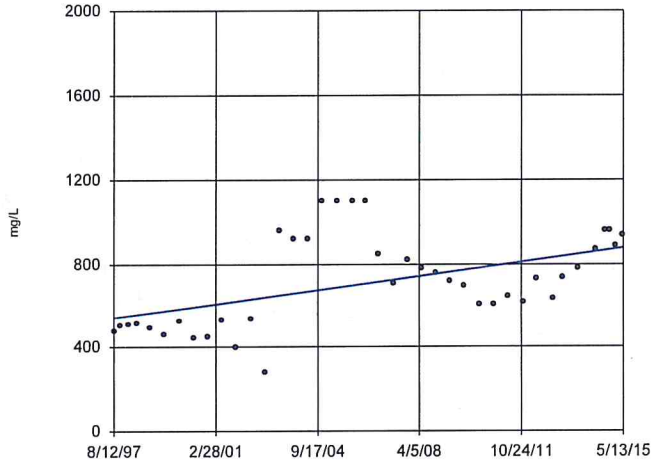
Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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

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).

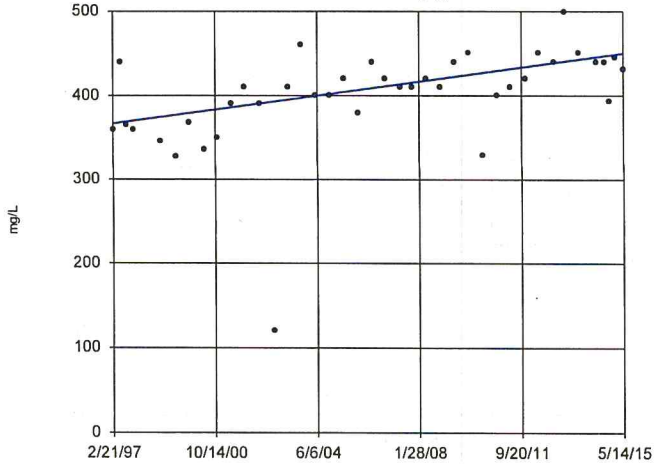
Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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

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).

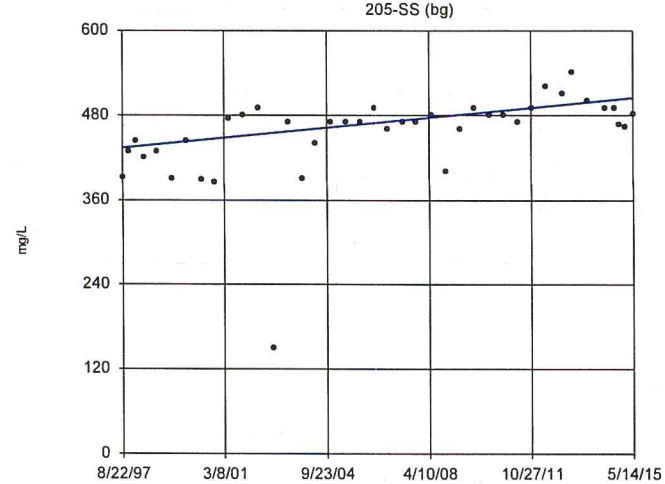
Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

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).

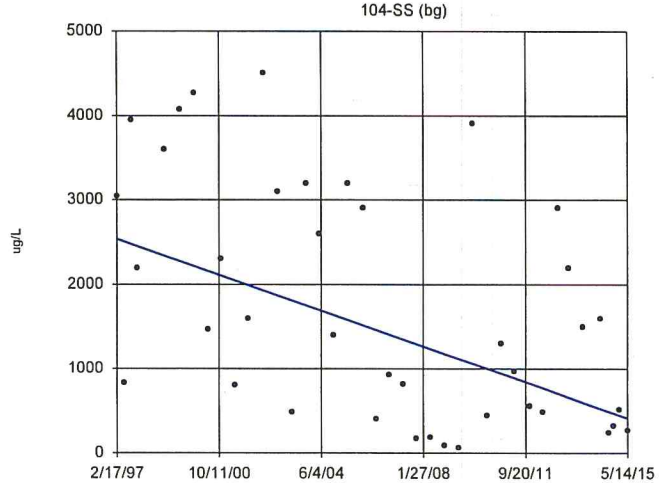
Constituent: Hardness Total Analysis Run 1/7/2016 1:05 PM

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).

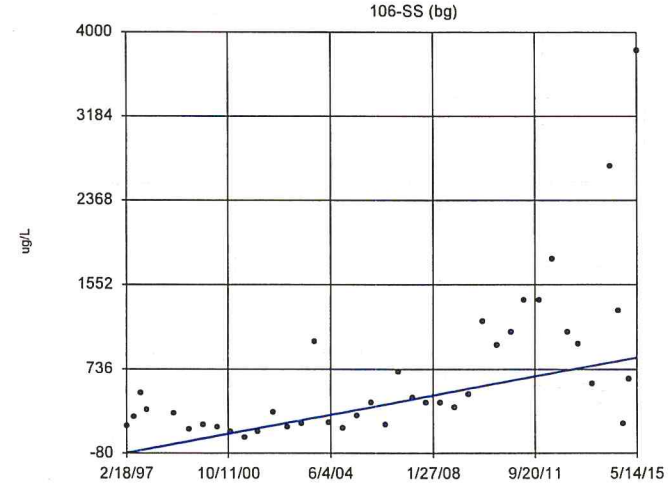
Constituent: Iron Total Analysis Run 1/7/2016 1:05 PM

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).

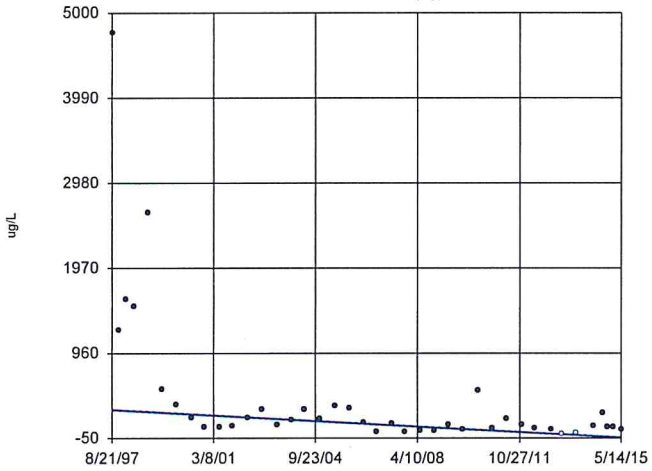
Constituent: Iron Total Analysis Run 1/7/2016 1:05 PM

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

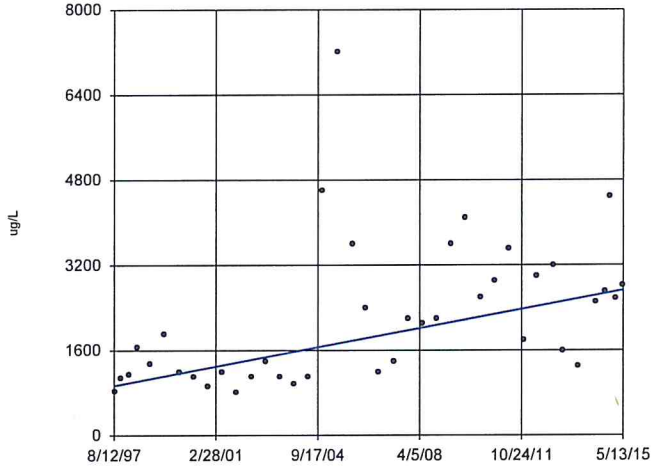
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

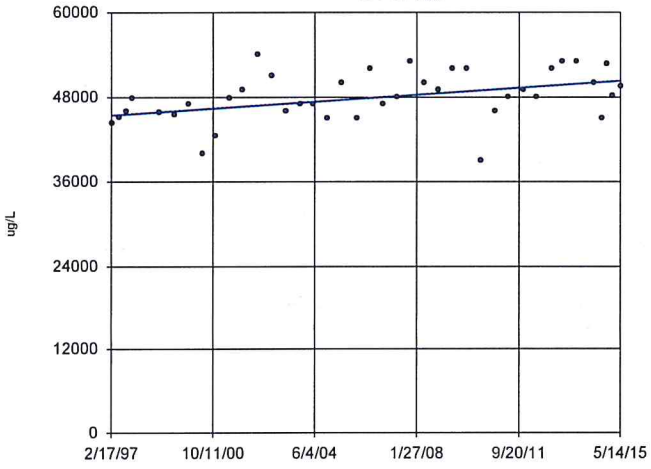
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

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

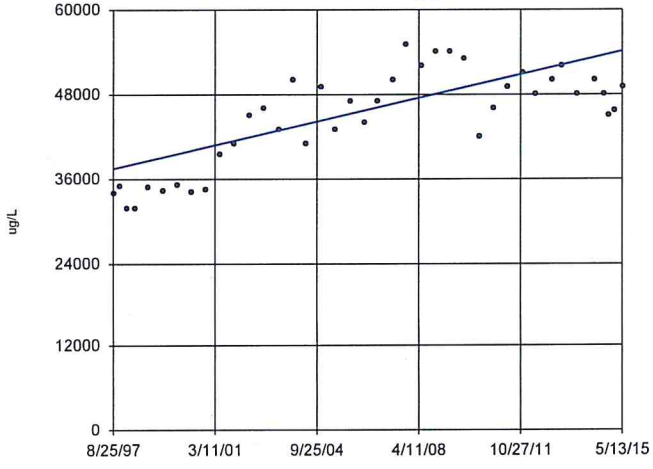
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

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

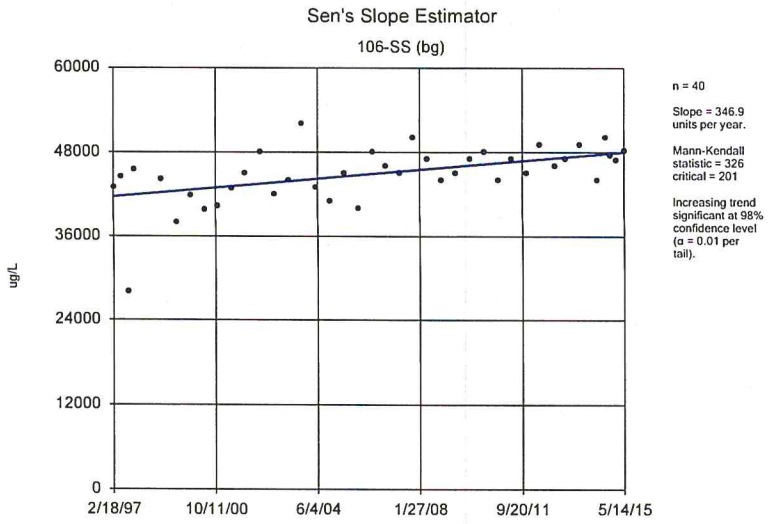
Slope = 937 units per year.

Mann-Kendall statistic = 399 critical = 201

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

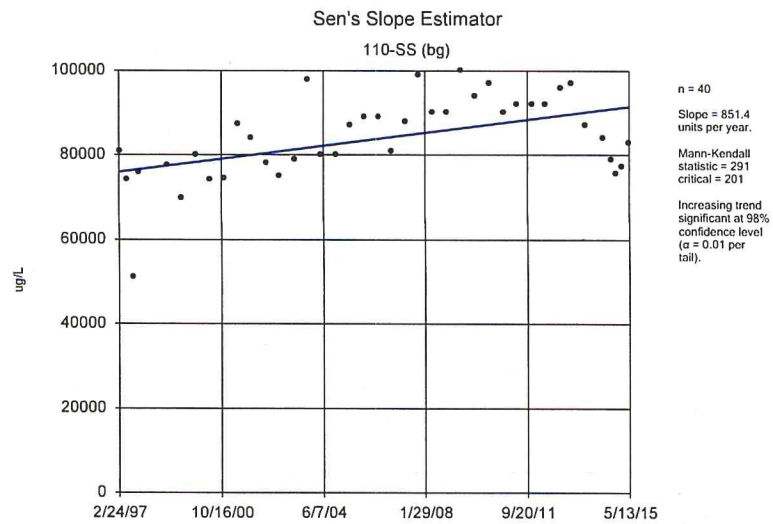
Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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



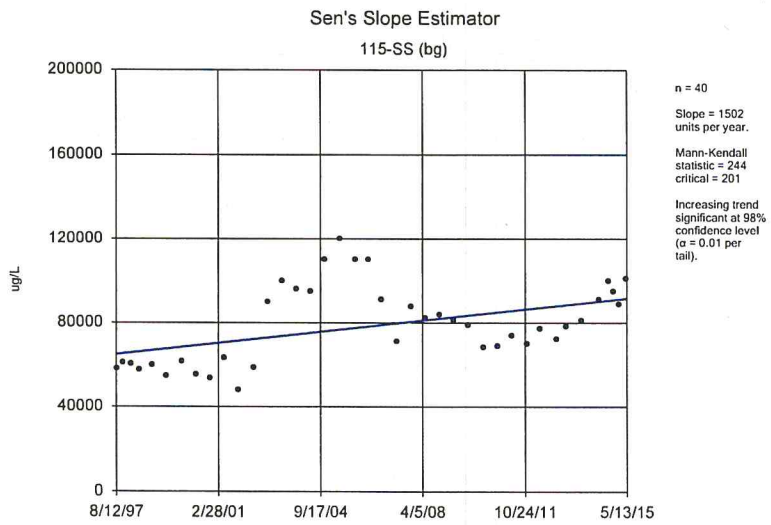
Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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



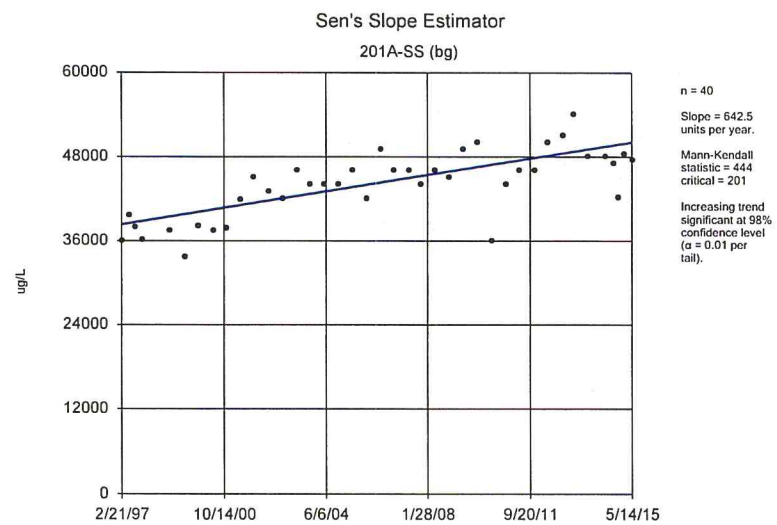
Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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



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

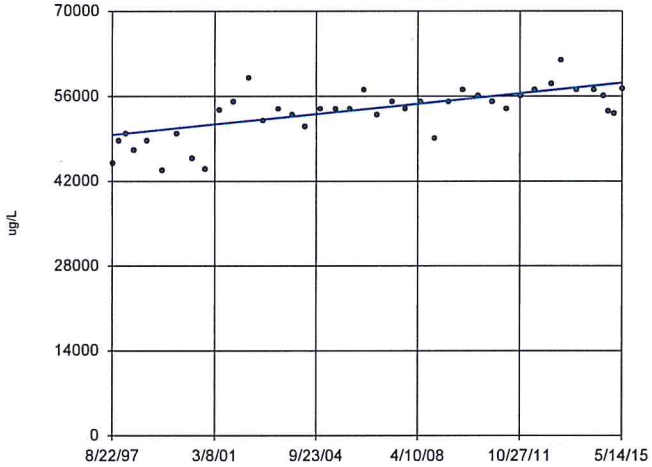


Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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).

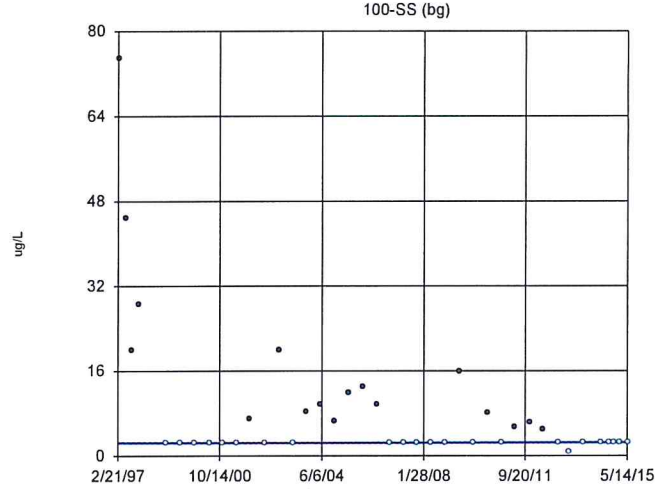
Constituent: Magnesium Total Analysis Run 1/7/2016 1:05 PM

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).

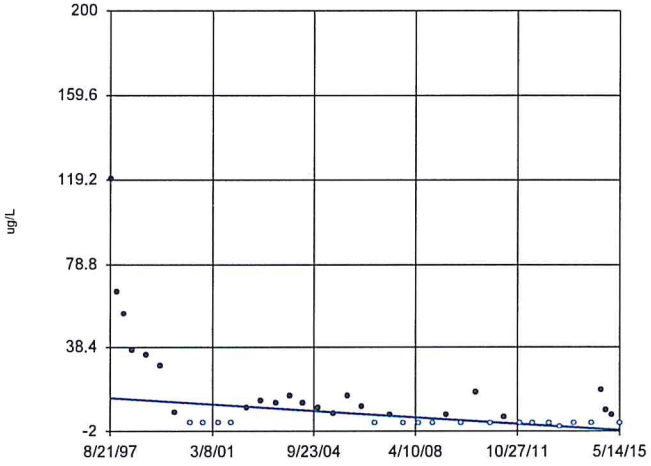
Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM

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).

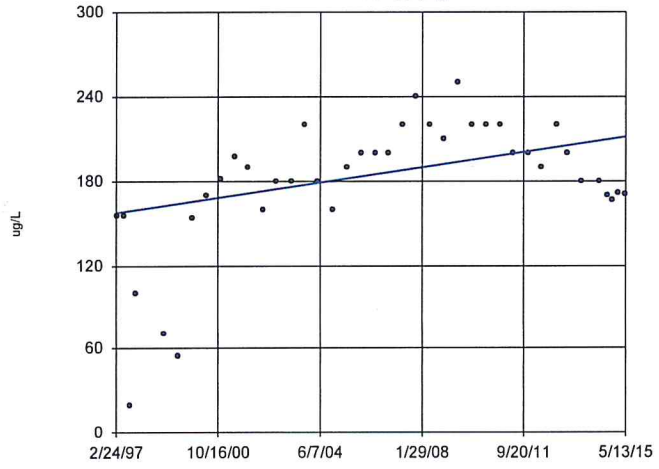
Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM

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).

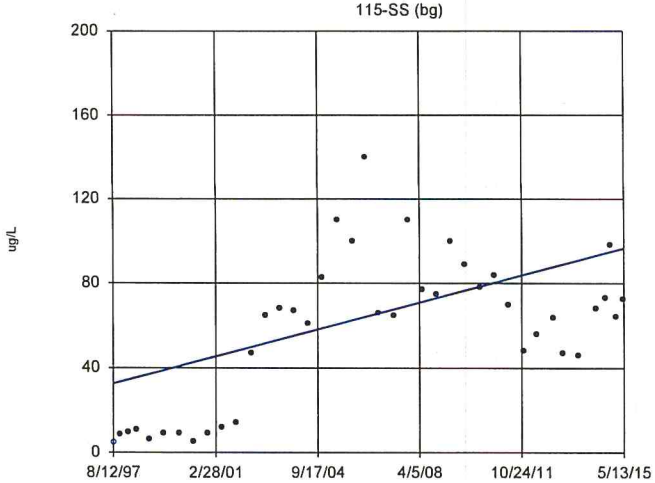
Constituent: Manganese Total Analysis Run 1/7/2016 1:05 PM

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

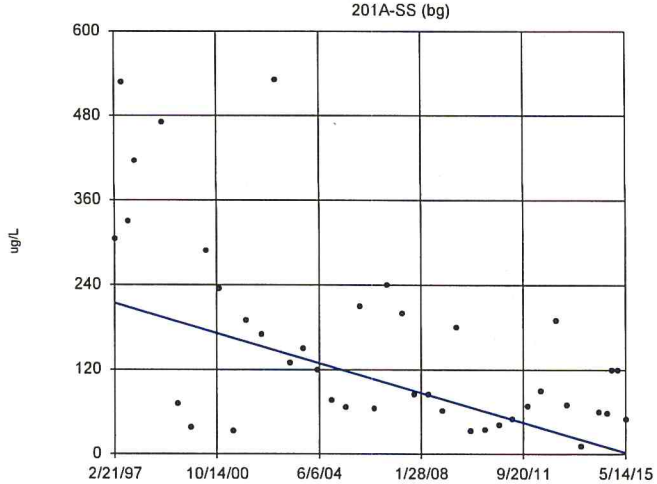
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

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

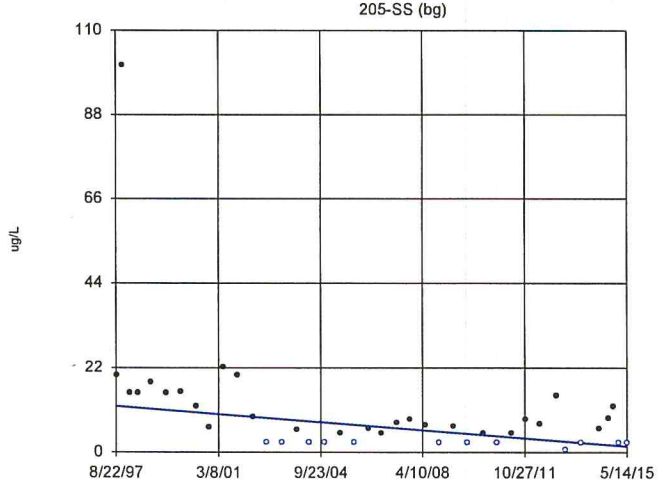
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

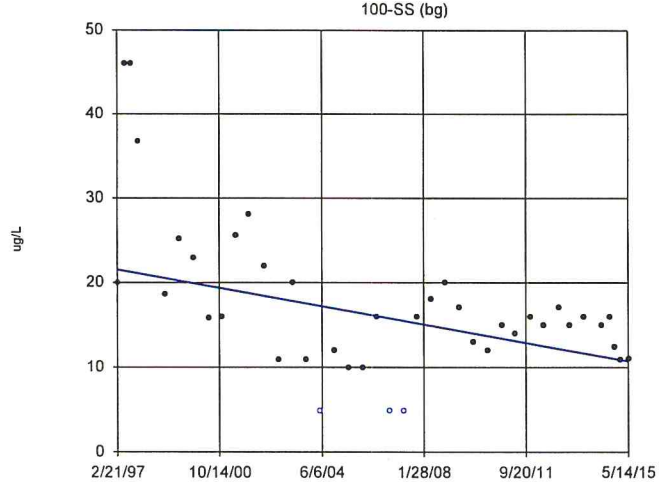
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

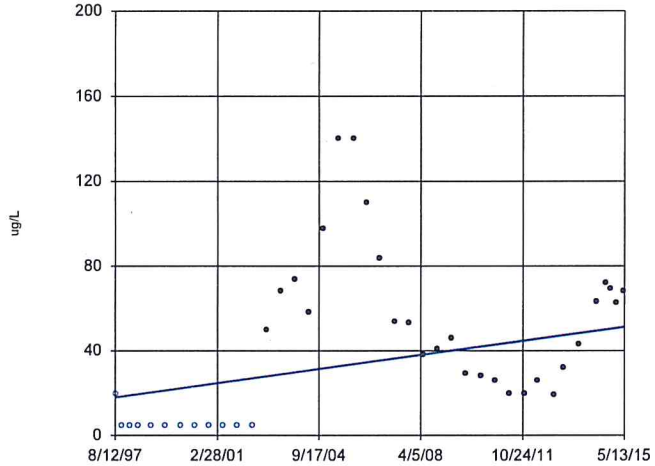
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

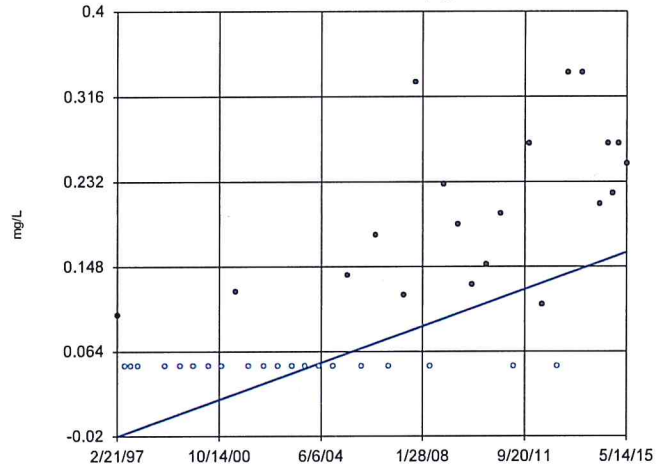
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

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

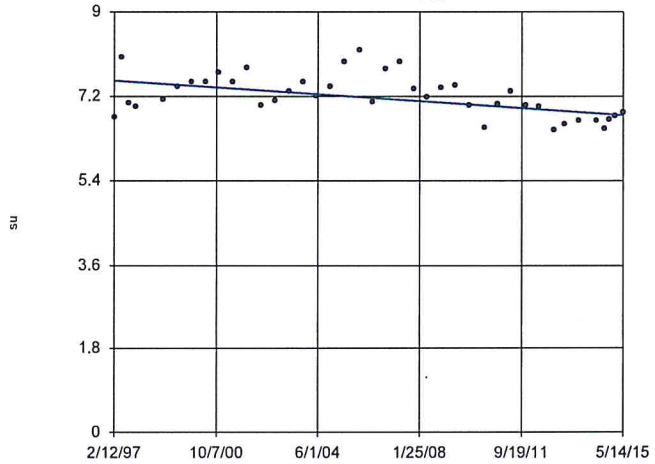
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

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

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

Sen's Slope Estimator

104-SS (bg)



n = 40

Slope = -0.0405 units per year.

Mann-Kendall statistic = -277 critical = -201

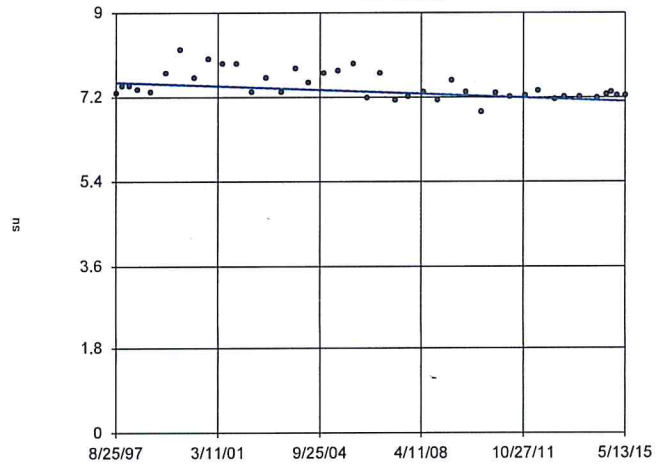
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

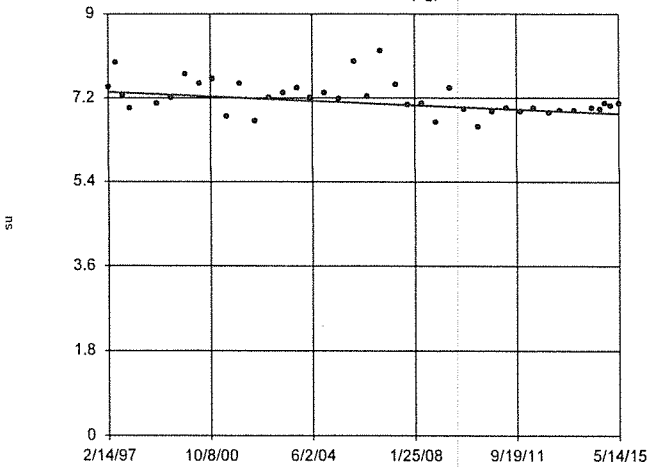
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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).

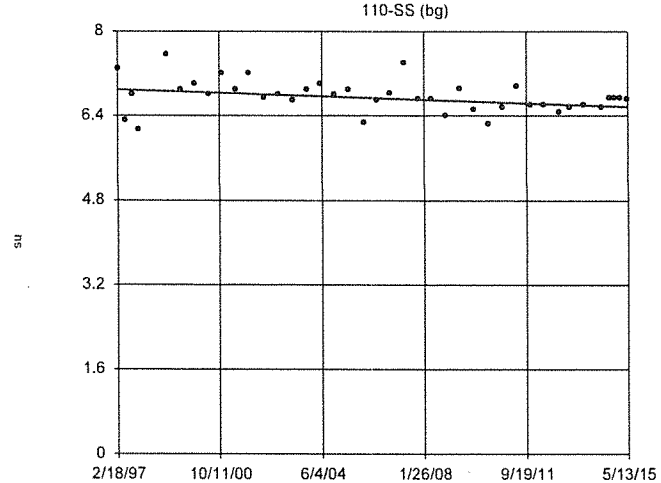
Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM

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).

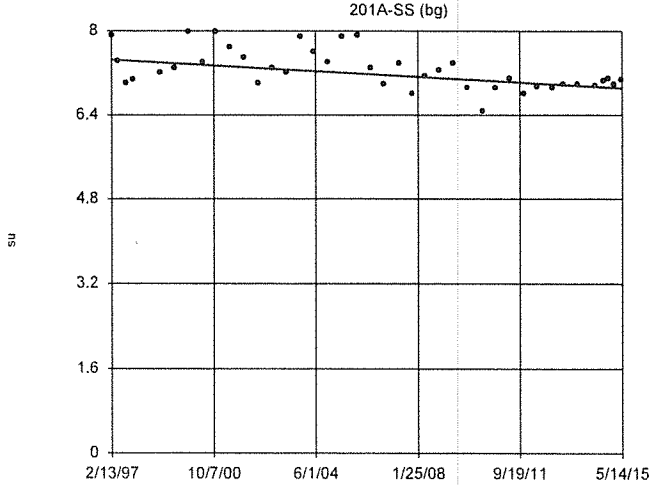
Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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

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).

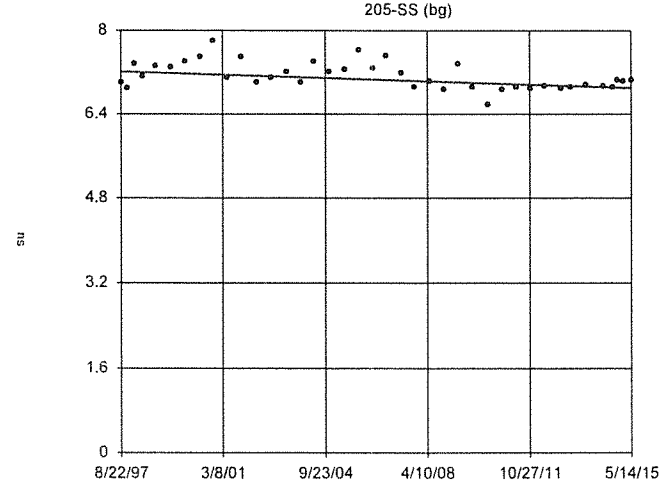
Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM

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).

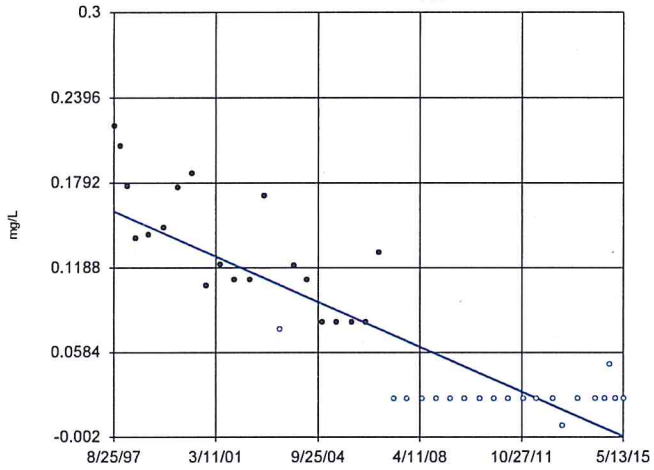
Constituent: pH [Field] Analysis Run 1/7/2016 1:05 PM

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

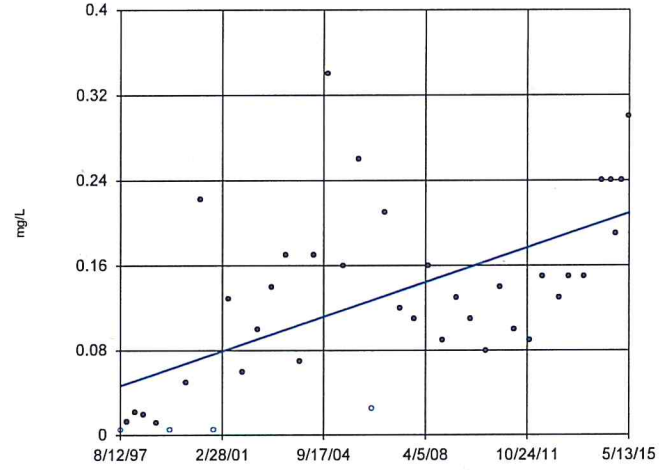
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

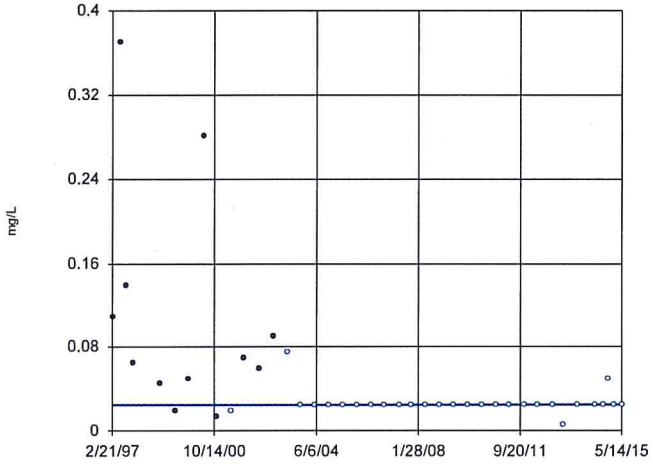
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

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

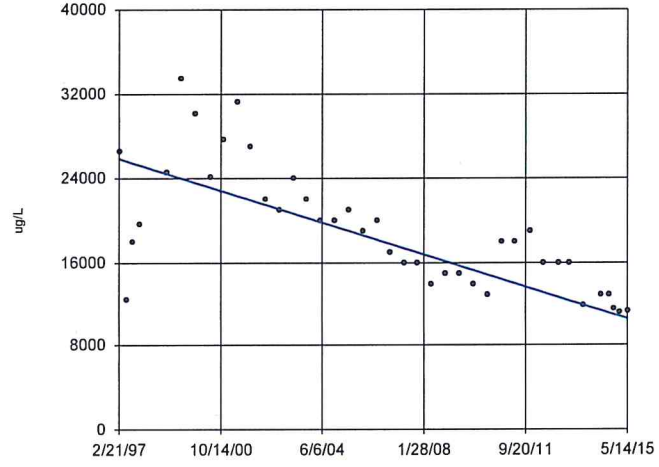
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

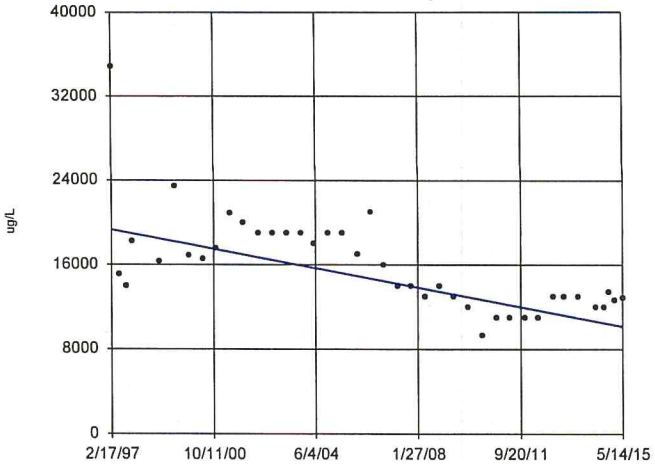
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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).

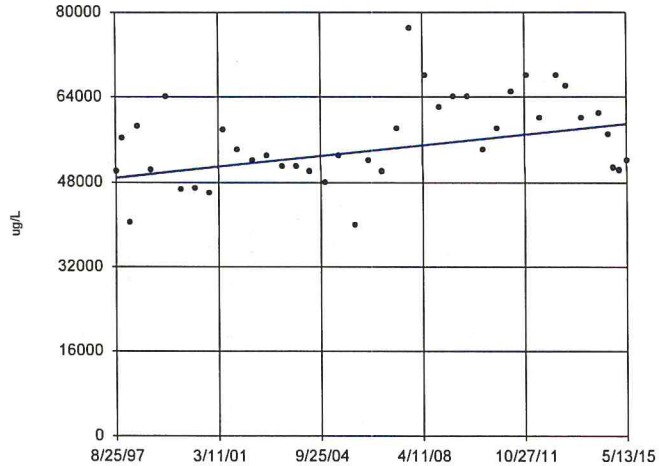
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

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).

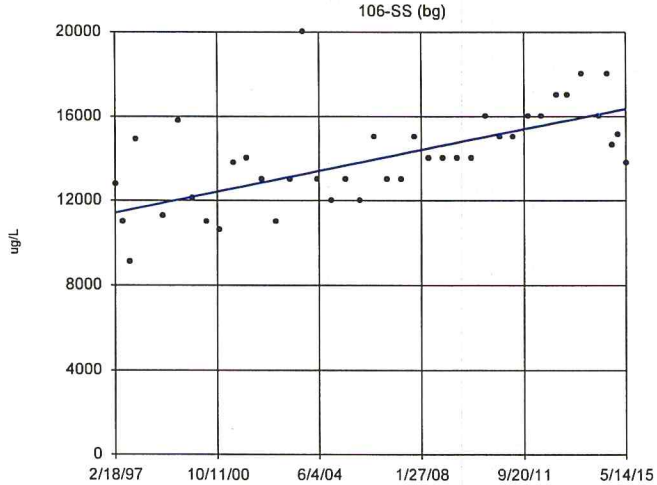
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

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).

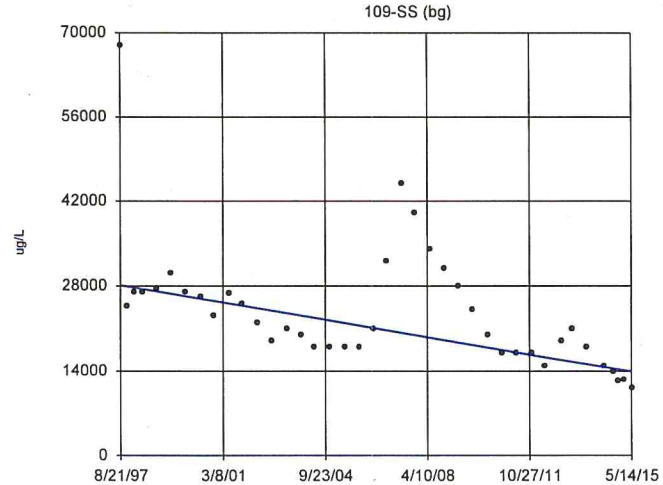
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

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).

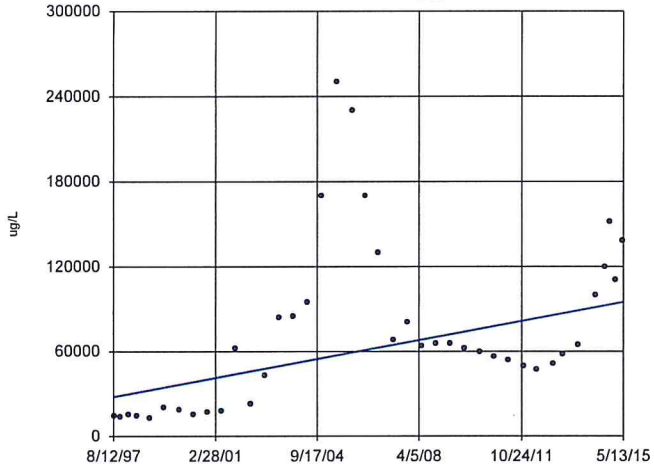
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

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).

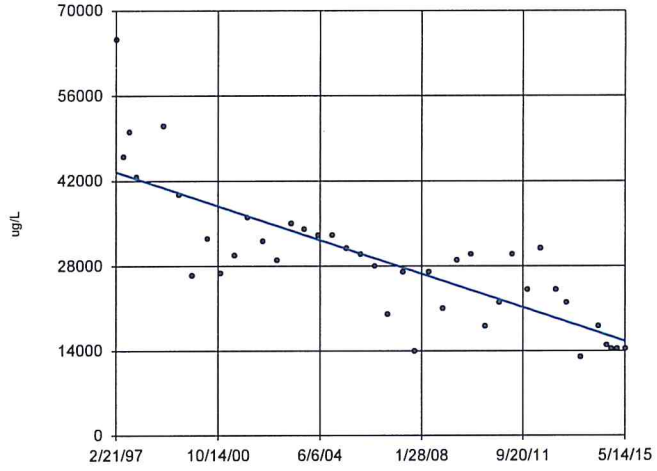
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

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).

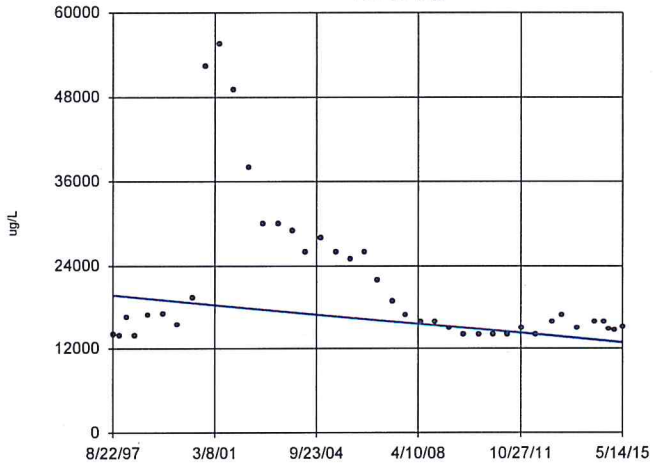
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

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).

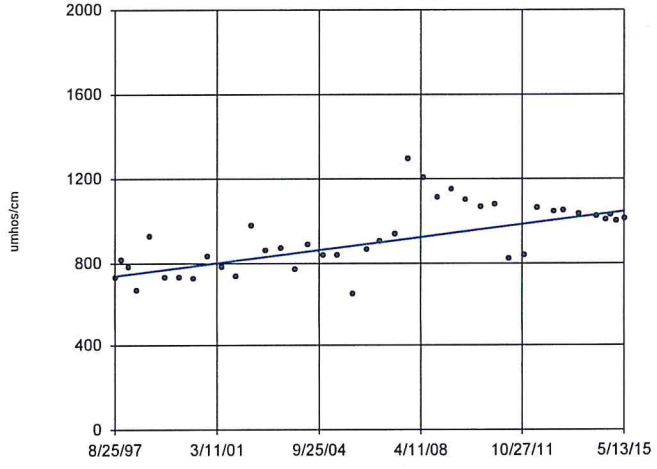
Constituent: Sodium Total Analysis Run 1/7/2016 1:06 PM

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.

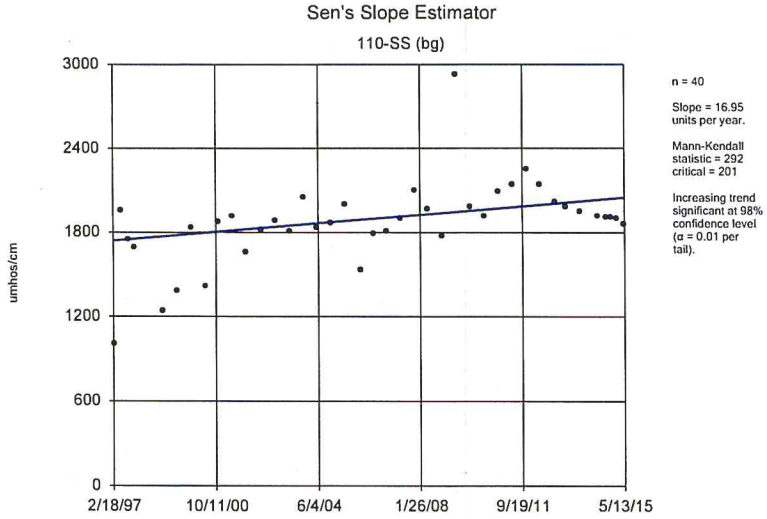
Mann-Kendall statistic = 333 critical = 201

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

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

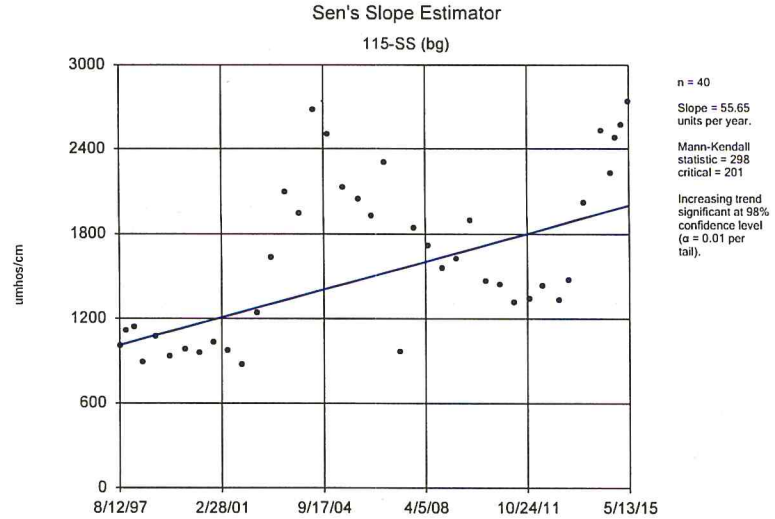
Bridgeton LF Client: RSI Data: BRIDGETON

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



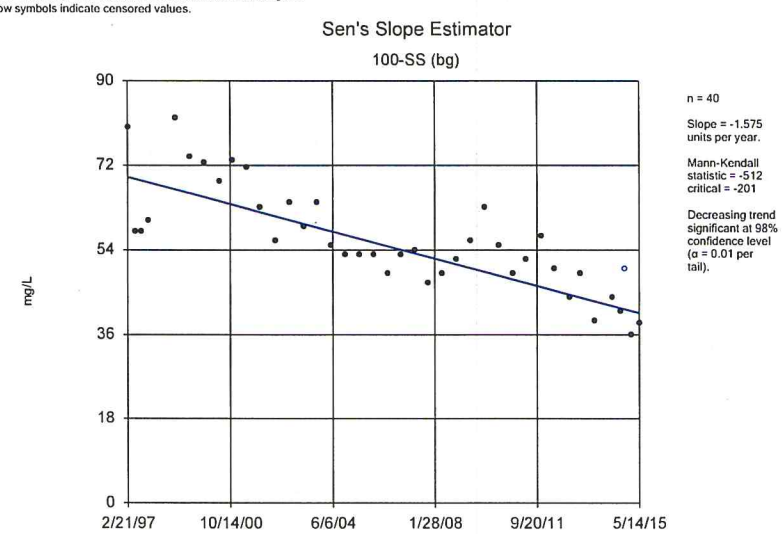
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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



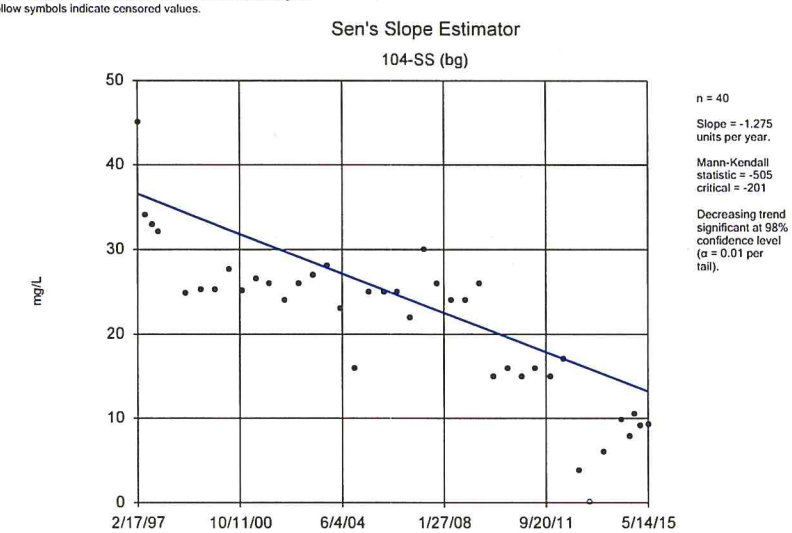
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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



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.

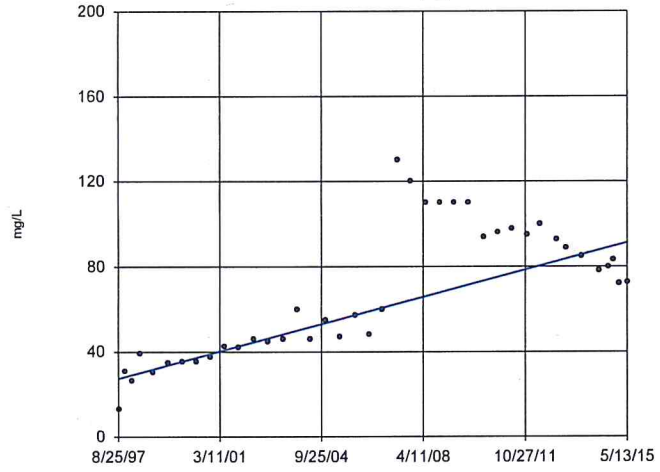


Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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).

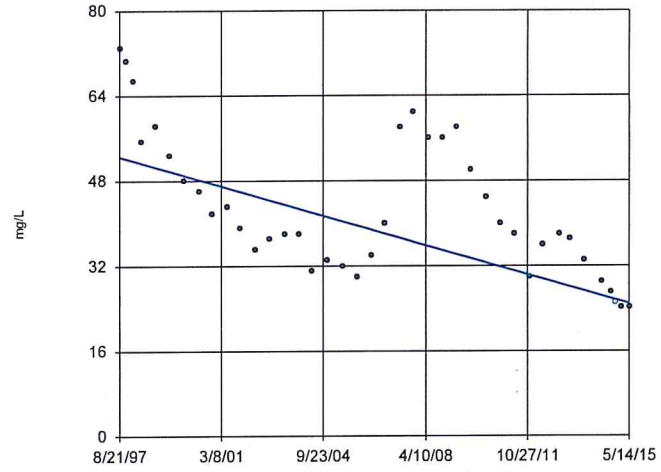
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

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).

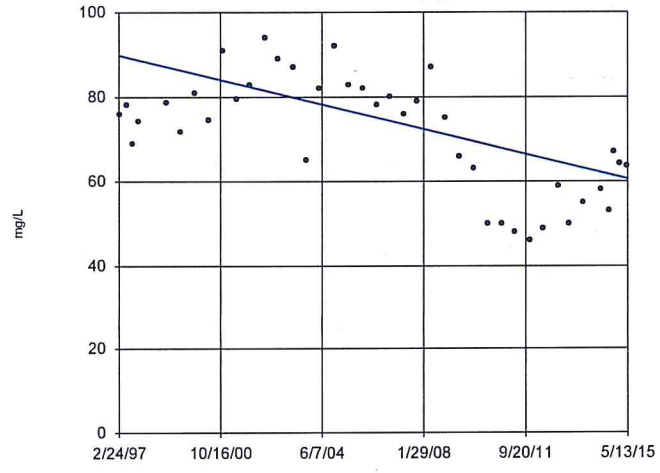
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

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).

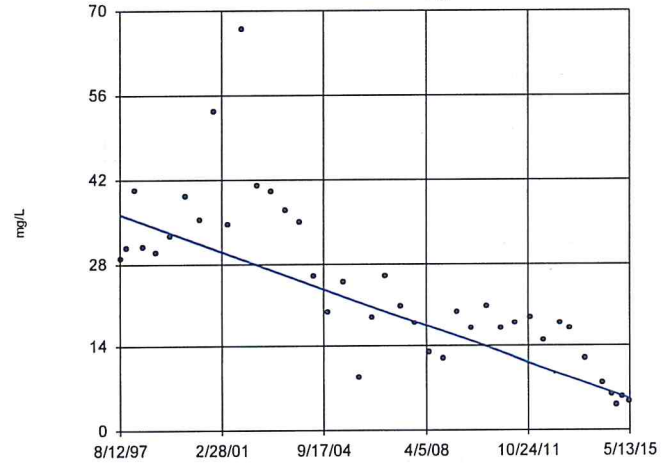
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

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).

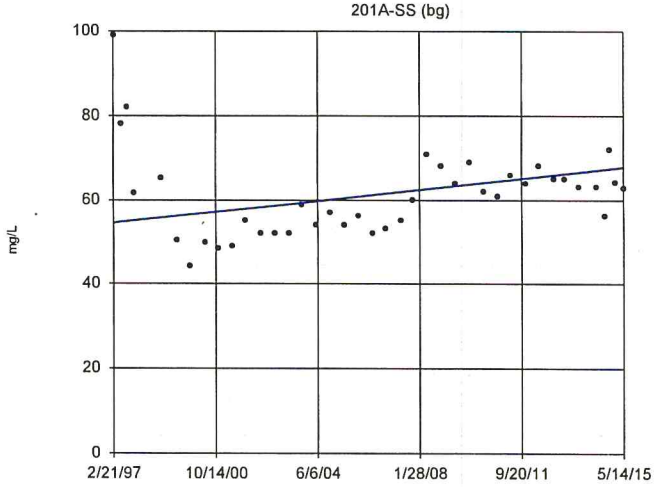
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

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).

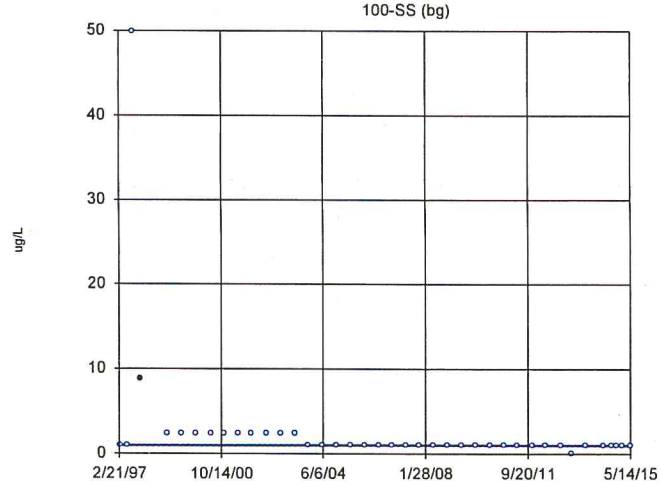
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:06 PM

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).

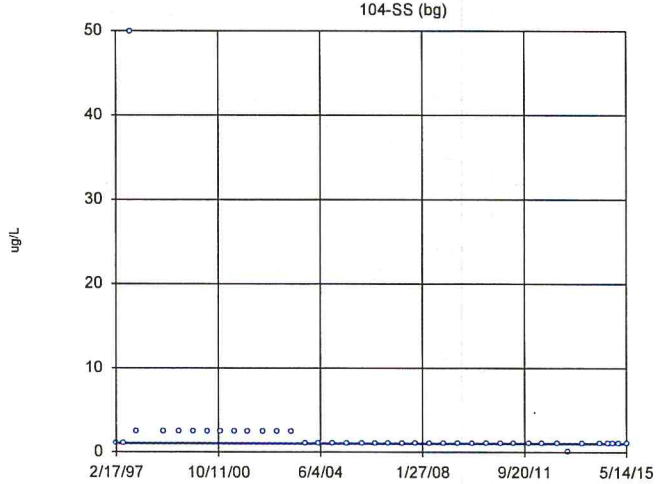
Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM

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).

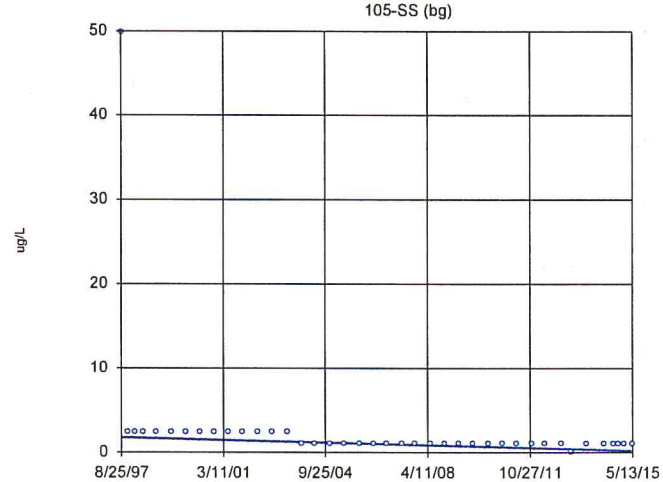
Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM

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).

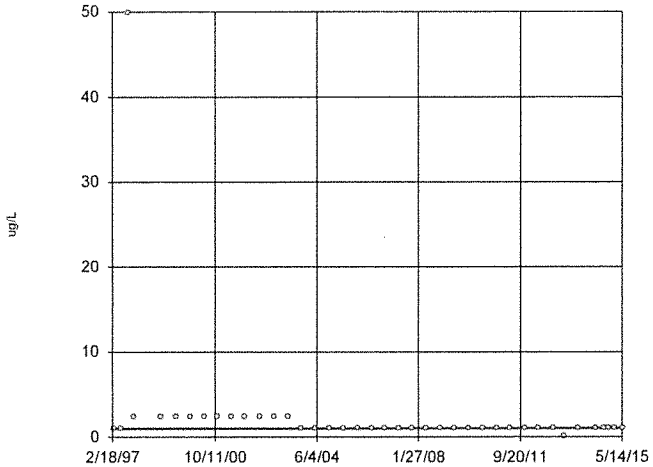
Constituent: Thallium Total Analysis Run 1/7/2016 1:06 PM

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

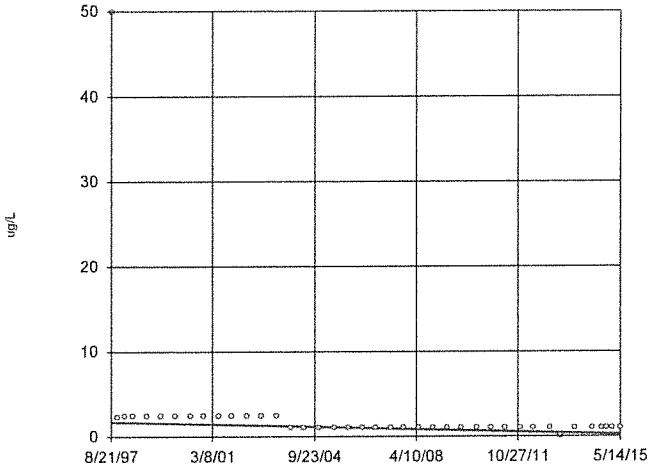
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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

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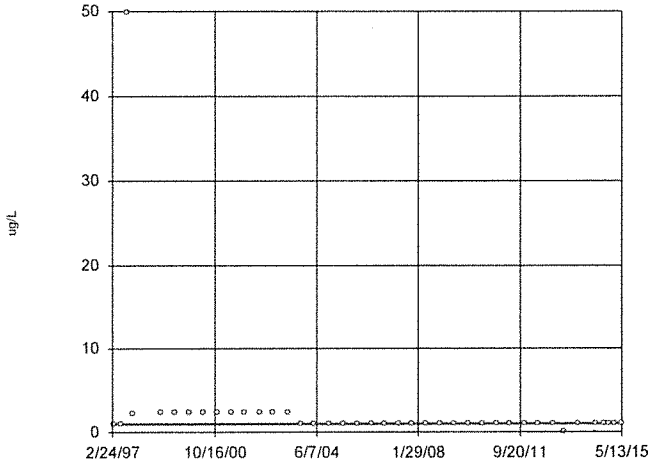
Hollow symbols indicate censored values.

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

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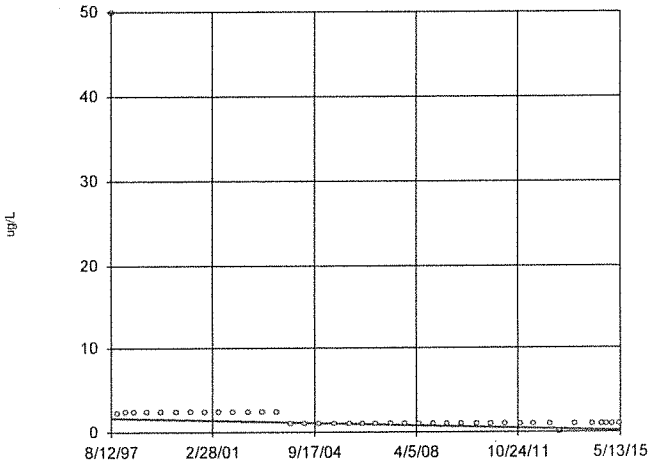
Hollow symbols indicate censored values.

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

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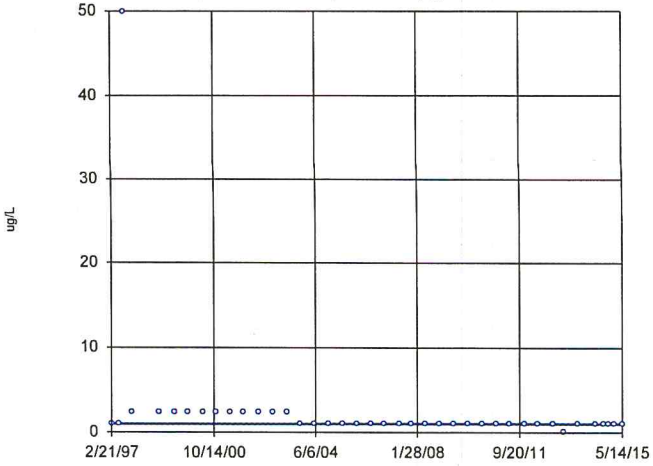
Hollow symbols indicate censored values.

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

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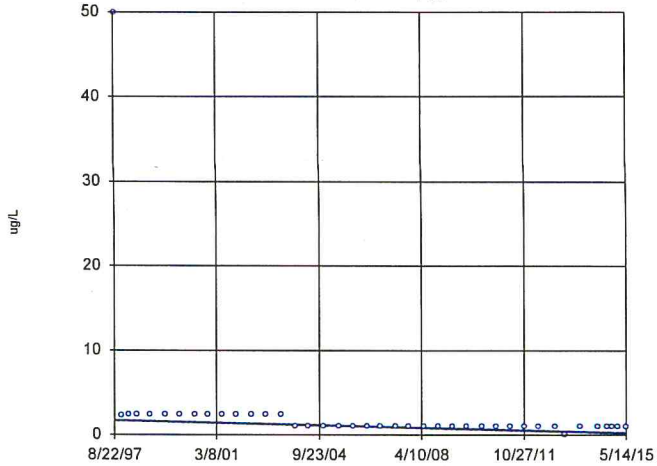
Hollow symbols indicate censored values.

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

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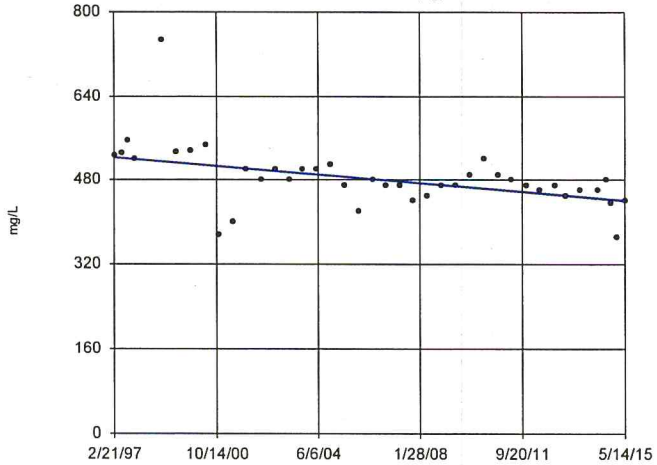
Sen's Slope Estimator

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

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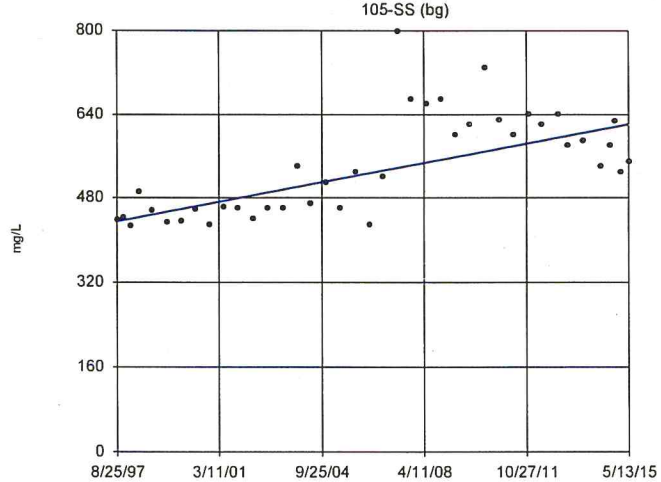
Sen's Slope Estimator

105-SS (bg)



n = 40

Slope = 10.47
units per year.

Mann-Kendall
statistic = 377
critical = 201

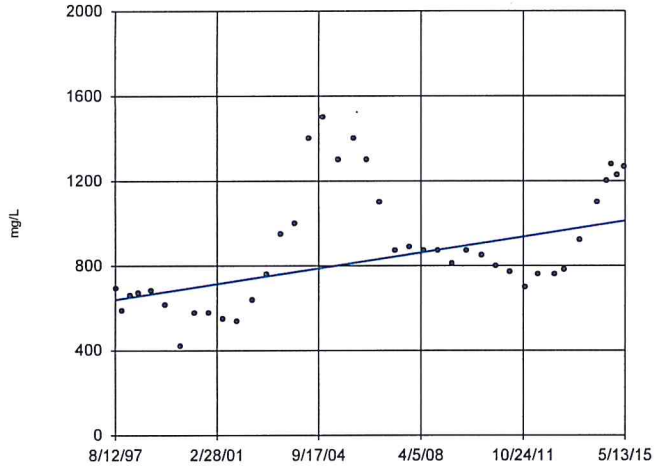
Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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

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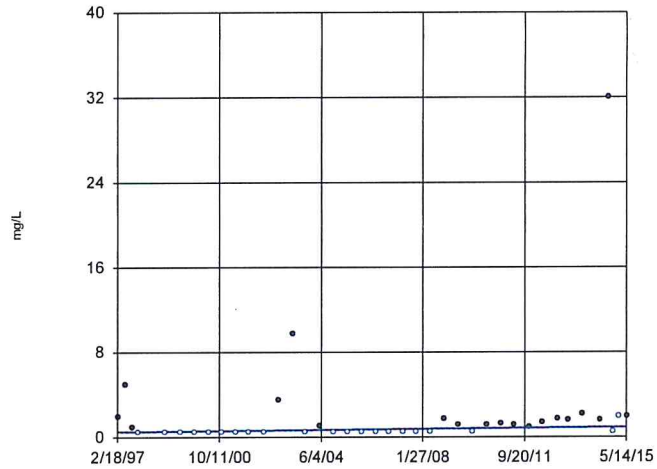
Hollow symbols indicate censored values.

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

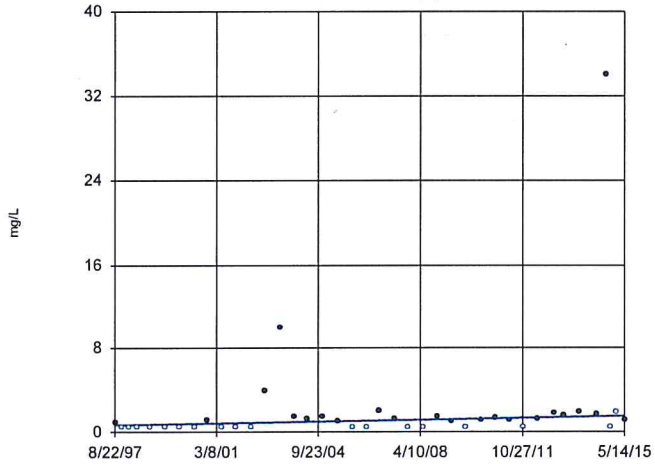
Bridgeton LF Client: RSI Data: BRIDGETON

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

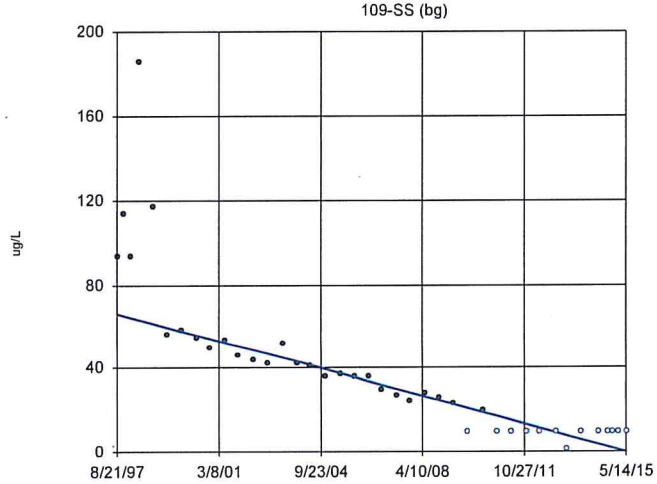
Bridgeton LF Client: RSI Data: BRIDGETON

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).

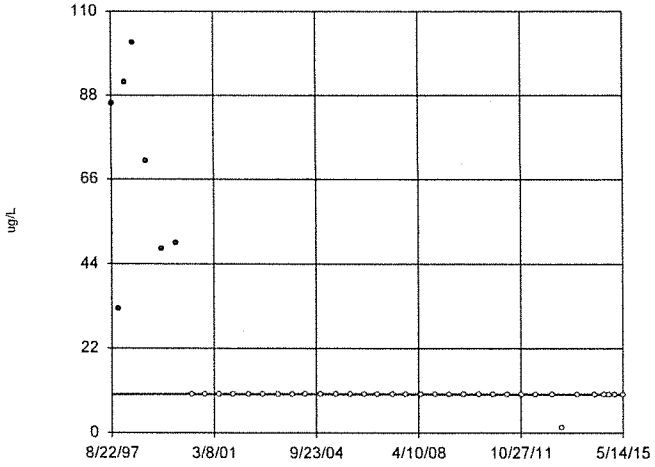
Constituent: Zinc Total Analysis Run 1/7/2016 1:06 PM

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 Printed 1/7/2016, 11:57 AM

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	11/17/2015	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	11/18/2015	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)	105-SS	0.14	n/a	11/19/2015	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	11/24/2015	0.05ND	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)	109-SS	0.31	n/a	11/30/2015	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)	110-SS	0.6	n/a	11/30/2015	0.38	No	38	0.2966	0.1164	5.263	None	No	0.00008608	Param Intra 1 of 2
Ammonia as N (mg/L)	**115-SS**	**0.34**	**n/a**	**11/20/2015**	**0.61**	**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	11/18/2015	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	12/3/2015	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	11/17/2015	3ND	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	50	n/a	11/18/2015	3ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	105-SS	50	n/a	11/19/2015	3ND	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	50	n/a	11/24/2015	3ND	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	11/30/2015	3ND	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Antimony Total (ug/L)	110-SS	50	n/a	11/30/2015	3ND	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	50	n/a	11/20/2015	3ND	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	50	n/a	11/18/2015	3ND	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	50	n/a	12/3/2015	3ND	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	11/17/2015	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	11/18/2015	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)	105-SS	3.0	n/a	11/19/2015	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	11/24/2015	5ND	No	40	n/a	n/a	55	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	109-SS	5800	n/a	11/30/2015	5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	110-SS	5.2	n/a	11/30/2015	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)	115-SS	19	n/a	11/20/2015	5ND	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	11/18/2015	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	12/3/2015	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	11/17/2015	69.4	No	40	319653	75641	0	None	x^3	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	104-SS	110	n/a	11/18/2015	106	No	39	8286	1849	0	None	x^2	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	105-SS	260	n/a	11/19/2015	154	No	40	148.5	42.94	0	None	No	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	106-SS	170	n/a	11/24/2015	143	No	39	5.223	0.1277	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	109-SS	76	n/a	11/30/2015	58.1	No	40	4156	605.3	0	None	x^2	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	110-SS	440	n/a	11/30/2015	244	No	40	6.244	0.5182	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	115-SS	520	n/a	11/20/2015	482	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Barium Total (ug/L)	201A-SS	150	n/a	11/18/2015	128	No	39	111.8	14.77	0	None	No	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	205-SS	180	n/a	12/3/2015	120	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Beryllium Total (ug/L)	100-SS	1.0	n/a	11/17/2015	2ND	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	1.0	n/a	11/18/2015	2ND	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	1.0	n/a	11/19/2015	2ND	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	1.0	n/a	11/24/2015	2ND	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	1.0	n/a	11/30/2015	2ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Beryllium Total (ug/L)	110-SS	1.0	n/a	11/30/2015	2ND	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	1.0	n/a	11/20/2015	2ND	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	1.0	n/a	11/18/2015	2ND	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	1.0	n/a	12/3/2015	2ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Boron Total (ug/L)	**100-SS**	**140**	**n/a**	**11/17/2015**	**158**	**Yes**	**40**	**1.8e8**	**9.2e7**	**10**	**None**	**x^4**	**0.00008608**	**Param Intra 1 of 2**
Boron Total (ug/L)	104-SS	160	n/a	11/18/2015	137	No	40	n/a	n/a	20	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Boron Total (ug/L)	105-SS	50	n/a	11/19/2015	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	50	n/a	11/24/2015	50ND	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	11/30/2015	190	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 11:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron Total (ug/L)	110-SS	320	n/a	11/30/2015	211	No	38	5.529	0.09624	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Boron Total (ug/L)	115-SS	1000	n/a	11/20/2015	461	No	40	n/a	n/a	27.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Boron Total (ug/L)	201A-SS	50	n/a	11/18/2015	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	12/3/2015	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	11/17/2015	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	2.5	n/a	11/18/2015	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	105-SS	2.5	n/a	11/19/2015	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	11/24/2015	1ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	109-SS	4.6	n/a	11/30/2015	1ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	110-SS	2.5	n/a	11/30/2015	1ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Cadmium Total (ug/L)	115-SS	2.5	n/a	11/20/2015	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	11/18/2015	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	12/3/2015	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	11/17/2015	89000	No	39	11.46	0.04697	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	104-SS	97000	n/a	11/18/2015	80500	No	40	6.8e9	1.0e9	0	None	x^2	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	105-SS	110000	n/a	11/19/2015	90900	No	40	6.3e14	2.9e14	0	None	x^3	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	106-SS	110000	n/a	11/24/2015	99100	No	38	11.47	0.06606	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	109-SS	96000	n/a	11/30/2015	84700	No	39	4.0e29	1.4e29	0	None	x^6	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	110-SS	280000	n/a	11/30/2015	195000	No	39	1.1e16	4.0e15	0	None	x^3	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	115-SS	330000	n/a	11/20/2015	241000	No	40	53.67	5.883	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	201A-SS	110000	n/a	11/18/2015	92500	No	40	89200	8121	0	None	No	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	205-SS	110000	n/a	12/3/2015	80800	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	100-SS	21	n/a	11/17/2015	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	11/18/2015	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)	105-SS	42	n/a	11/19/2015	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	11/24/2015	5ND	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)	109-SS	18	n/a	11/30/2015	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)	110-SS	110	n/a	11/30/2015	34	No	40	6.76	1.404	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	115-SS	180	n/a	11/20/2015	35	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	11/18/2015	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	12/3/2015	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	11/17/2015	4.9	No	40	1.706	0.3034	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Chloride (mg/L)	104-SS	5.2	n/a	11/18/2015	3.7	No	40	n/a	n/a	40	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chloride (mg/L)	105-SS	160	n/a	11/19/2015	76.3	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chloride (mg/L)	106-SS	75	n/a	11/24/2015	23.3	No	40	n/a	n/a	2.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chloride (mg/L)	109-SS	17	n/a	11/30/2015	3.9	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chloride (mg/L)	110-SS	280	n/a	11/30/2015	173	No	39	182.4	35.44	0	None	No	0.00008608	Param Intra 1 of 2
Chloride (mg/L)	115-SS	710	n/a	11/20/2015	422	No	40	14.05	4.798	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Chloride (mg/L)	201A-SS	4.5	n/a	11/18/2015	4	No	40	n/a	n/a	30	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chloride (mg/L)	205-SS	49	n/a	12/3/2015	32	No	39	5.298	0.6393	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Chromium Total (ug/L)	100-SS	21	n/a	11/17/2015	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	11/18/2015	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	105-SS	6.4	n/a	11/19/2015	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	11/24/2015	5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	109-SS	14	n/a	11/30/2015	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)	110-SS	38	n/a	11/30/2015	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	115-SS	5.5	n/a	11/20/2015	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	11/18/2015	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	12/3/2015	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	10	n/a	11/17/2015	2.5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 11:57 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt Total (ug/L)	104-SS	10	n/a	11/18/2015	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	10	n/a	11/19/2015	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	10	n/a	11/24/2015	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	10	n/a	11/30/2015	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)	110-SS	10	n/a	11/30/2015	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)	115-SS	62	n/a	11/20/2015	29.8	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	10	n/a	11/18/2015	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	12/3/2015	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	11/17/2015	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)	104-SS	10	n/a	11/18/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	105-SS	10	n/a	11/19/2015	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	11/24/2015	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	109-SS	31	n/a	11/30/2015	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)	110-SS	41	n/a	11/30/2015	5ND	No	40	n/a	n/a	70	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Copper Total (ug/L)	115-SS	21	n/a	11/20/2015	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)	205-SS	46	n/a	12/3/2015	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	0.95	n/a	11/17/2015	0.61	No	36	0.5288	0.1384	0	None	x^2	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	104-SS	1	n/a	11/18/2015	0.76	No	36	0.6021	0.1549	0	None	x^2	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	105-SS	1	n/a	11/19/2015	0.62	No	38	0.5356	0.1924	0	None	x^2	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	106-SS	2.3	n/a	11/24/2015	2.1	No	38	3.753	0.6283	0	None	x^2	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	109-SS	2.6	n/a	11/30/2015	2.4	No	38	4.511	0.8301	0	None	x^2	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	110-SS	1.2	n/a	11/30/2015	0.3	No	38	-0.8815	0.3992	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	115-SS	2.7	n/a	11/20/2015	0.47	No	38	-0.2445	0.4675	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	201A-SS	0.65	n/a	11/18/2015	0.34	No	37	0.4724	0.06629	0	None	No	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	205-SS	0.59	n/a	12/3/2015	0.37	No	37	-0.8772	0.1331	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	100-SS	510	n/a	11/17/2015	434	No	39	2.0e13	5.2e12	0	None	x^5	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	104-SS	460	n/a	11/18/2015	400	No	39	2.7e10	7.1e9	0	None	x^4	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	105-SS	530	n/a	11/19/2015	425	No	39	6.6e7	3.0e7	0	None	x^3	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	106-SS	500	n/a	11/24/2015	441	No	38	185370	23529	0	None	x^2	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	109-SS	740	n/a	11/30/2015	415	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Hardness Total (mg/L)	110-SS	1100	n/a	11/30/2015	805	No	38	828828	178557	0	None	x^2	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	115-SS	1400	n/a	11/20/2015	1030	No	40	26.46	4.163	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	201A-SS	500	n/a	11/18/2015	422	No	39	166992	31934	0	None	x^2	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	205-SS	540	n/a	12/3/2015	425	No	40	2.2e13	9.0e12	0	None	x^5	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	100-SS	2000	n/a	11/17/2015	50.1	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	8600	n/a	11/18/2015	406	No	40	10.96	3.646	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	105-SS	13000	n/a	11/19/2015	447	No	40	7.052	0.9184	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	106-SS	5000	n/a	11/24/2015	1030	No	40	6.103	0.921	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	109-SS	5000	n/a	11/30/2015	25ND	No	39	5.098	1.304	2.564	None	ln(x)	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	110-SS	10000	n/a	11/30/2015	5730	No	39	4.9e7	2.0e7	0	None	x^2	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	115-SS	7900	n/a	11/20/2015	2600	No	40	7.55	0.5467	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	201A-SS	5800	n/a	11/18/2015	98.8	No	40	5.9	1.058	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	205-SS	5400	n/a	12/3/2015	59.4	No	40	6.53	0.7894	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Lead Total (ug/L)	100-SS	2700	n/a	11/17/2015	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	11/18/2015	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	105-SS	25	n/a	11/19/2015	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	25	n/a	11/24/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Lead Total (ug/L)	109-SS	3400	n/a	11/30/2015	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)	110-SS	25	n/a	11/30/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 11:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead Total (ug/L)	115-SS	25	n/a	11/20/2015	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	11/18/2015	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	12/3/2015	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	11/17/2015	51400	No	40	1.5e14	2.5e13	0	None	x^3	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	104-SS	56000	n/a	11/18/2015	48300	No	40	1.1e14	2.4e13	0	None	x^3	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	105-SS	57000	n/a	11/19/2015	48000	No	40	4.5e18	2.3e18	0	None	x^4	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	106-SS	53000	n/a	11/24/2015	47000	No	39	2.1e9	2.8e8	0	None	x^2	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	109-SS	57000	n/a	11/30/2015	49400	No	39	2.0e28	5.9e27	0	None	x^6	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	110-SS	110000	n/a	11/30/2015	77100	No	39	11.35	0.09625	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	115-SS	140000	n/a	11/20/2015	104000	No	40	42.67	3.364	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	201A-SS	54000	n/a	11/18/2015	46300	No	40	8.7e13	2.7e13	0	None	x^3	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	205-SS	62000	n/a	12/3/2015	54200	No	40	8.3e18	2.4e18	0	None	x^4	0.00008608	Param Intra 1 of 2
Manganese Total (ug/L)	100-SS	75	n/a	11/17/2015	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	11/18/2015	25.1	No	39	5.486	1.746	2.564	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Manganese Total (ug/L)	105-SS	68	n/a	11/19/2015	9.5	No	39	2.59	0.5683	2.564	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Manganese Total (ug/L)	106-SS	52	n/a	11/24/2015	12.2	No	38	4.249	1.13	2.632	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Manganese Total (ug/L)	109-SS	120	n/a	11/30/2015	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)	110-SS	250	n/a	11/30/2015	161	No	37	36863	10568	0	None	x^2	0.00008608	Param Intra 1 of 2
Manganese Total (ug/L)	115-SS	140	n/a	11/20/2015	82.1	No	40	n/a	n/a	2.5	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Manganese Total (ug/L)	201A-SS	1100	n/a	11/18/2015	14.8	No	40	4.69	0.8887	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Manganese Total (ug/L)	205-SS	33	n/a	12/3/2015	2.5ND	No	39	1.78	0.54	30.77	Kaplan-...	x^(1/3)	0.00008608	Param Intra 1 of 2
Mercury Total (ug/L)	100-SS	0.10	n/a	11/17/2015	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	11/18/2015	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)	105-SS	0.10	n/a	11/19/2015	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	0.10	n/a	11/24/2015	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)	109-SS	0.10	n/a	11/30/2015	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)	110-SS	0.10	n/a	11/30/2015	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	0.10	n/a	11/20/2015	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	11/18/2015	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	0.10	n/a	12/3/2015	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	56	n/a	11/17/2015	14	No	40	2.743	0.491	10	None	ln(x)	0.00008608	Param Intra 1 of 2
Nickel Total (ug/L)	104-SS	23	n/a	11/18/2015	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)	105-SS	20	n/a	11/19/2015	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	11/24/2015	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	11/30/2015	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nickel Total (ug/L)	110-SS	55	n/a	11/30/2015	10.6	No	40	n/a	n/a	25	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Nickel Total (ug/L)	115-SS	140	n/a	11/20/2015	73.9	No	40	n/a	n/a	30	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Nickel Total (ug/L)	201A-SS	20	n/a	11/18/2015	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	12/3/2015	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	11/17/2015	0.23	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	11/18/2015	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	11/19/2015	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	11/24/2015	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)	109-SS	0.50	n/a	11/30/2015	0.12	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Nitrate/Nitrite (mg/L)	110-SS	5.0	n/a	11/30/2015	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)	115-SS	5.0	n/a	11/20/2015	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)	**201A-SS**	**0.34**	**n/a**	**11/18/2015**	**0.37**	**Yes**	**40**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.001152**	**NP Intra (normality) 1 of 2**
Nitrate/Nitrite (mg/L)	**205-SS**	**0.15**	**n/a**	**12/3/2015**	**0.18**	**Yes**	**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	11/17/2015	7.04	No	40	n/a	n/a	0	n/a	n/a	0.002305	NP Intra (normality) 1 of 2
pH [Field] (su)	104-SS	8.4	6.1	11/18/2015	6.98	No	40	1.973	0.061	0	None	ln(x)	0.00004304	Param Intra 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 11:57 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH [Field] (su)	105-SS	8.2	6.7	11/19/2015	7.37	No	40	2.005	0.0387	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	106-SS	8.2	6.3	11/24/2015	7.13	No	40	1.971	0.04852	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	109-SS	8	6.5	11/30/2015	7.21	No	39	1.973	0.04155	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	110-SS	7.6	6	11/30/2015	6.8	No	40	1.911	0.04443	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	115-SS	7.6	6	11/20/2015	6.68	No	39	1.911	0.04272	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	201A-SS	8.3	6.3	11/18/2015	7.2	No	40	1.981	0.05083	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	205-SS	7.8	6.5	12/3/2015	7.26	No	40	1.964	0.03507	0	None	ln(x)	0.00004304	Param Intra 1 of 2
Phosphorus Total (mg/L)	100-SS	0.21	n/a	11/17/2015	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	11/18/2015	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)	105-SS	0.22	n/a	11/19/2015	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	11/24/2015	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)	109-SS	0.25	n/a	11/30/2015	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)	110-SS	0.47	n/a	11/30/2015	0.16	No	39	-1.798	0.3985	2.564	None	ln(x)	0.00008608	Param Intra 1 of 2
Phosphorus Total (mg/L)	115-SS	0.35	n/a	11/20/2015	0.22	No	40	0.1277	0.08528	10	None	No	0.00008608	Param Intra 1 of 2
Phosphorus Total (mg/L)	201A-SS	0.37	n/a	11/18/2015	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	12/3/2015	0.025ND	No	40	n/a	n/a	70	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	100-SS	50	n/a	11/17/2015	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	50	n/a	11/18/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	105-SS	50	n/a	11/19/2015	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	50	n/a	11/24/2015	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	11/30/2015	5ND	No	40	n/a	n/a	80	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Selenium Total (ug/L)	110-SS	50	n/a	11/30/2015	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)	115-SS	50	n/a	11/20/2015	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	50	n/a	11/18/2015	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	50	n/a	12/3/2015	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	11/17/2015	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	11/18/2015	5ND	No	39	n/a	n/a	100	n/a	n/a	0.001219	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	105-SS	5.0	n/a	11/19/2015	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	11/24/2015	5ND	No	38	n/a	n/a	100	n/a	n/a	0.001286	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	109-SS	5.0	n/a	11/30/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	110-SS	5.0	n/a	11/30/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Silver Total (ug/L)	115-SS	5.9	n/a	11/20/2015	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	11/18/2015	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	12/3/2015	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	11/17/2015	12000	No	40	9.808	0.295	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	104-SS	27000	n/a	11/18/2015	15000	No	39	9.617	0.2257	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	105-SS	79000	n/a	11/19/2015	51900	No	40	38.14	1.825	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	106-SS	21000	n/a	11/24/2015	14500	No	40	118.3	9.566	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	109-SS	49000	n/a	11/30/2015	11600	No	39	9.978	0.3165	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	110-SS	120000	n/a	11/30/2015	75200	No	39	83210	14554	0	None	No	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	115-SS	310000	n/a	11/20/2015	146000	No	40	39.3	10.78	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	201A-SS	66000	n/a	11/18/2015	13600	No	40	30.24	3.85	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	205-SS	56000	n/a	12/3/2015	14700	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	11/17/2015	830	No	39	6.746	0.06655	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	104-SS	930	n/a	11/18/2015	817	No	39	4.6e8	1.3e8	0	None	x^3	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	105-SS	1400	n/a	11/19/2015	942	No	40	6.811	0.1679	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	106-SS	950	n/a	11/24/2015	710	No	39	4.6e11	1.3e11	0	None	x^4	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	109-SS	990	n/a	11/30/2015	715	No	37	824	63.94	0	None	No	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	110-SS	2300	n/a	11/30/2015	1402	No	37	6.8e9	1.8e9	0	None	x^3	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	115-SS	3900	n/a	11/20/2015	2600	No	40	7.338	0.3579	0	None	ln(x)	0.00008608	Param Intra 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 11:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Specific Conductance [Field] (umhos/cm)	201A-SS	970	n/a	11/18/2015	851	No	39	660296	108124	0	None	x^2	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	205-SS	1300	n/a	12/3/2015	762	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	100-SS	92	n/a	11/17/2015	37.5	No	40	4.009	0.1952	2.5	None	ln(x)	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	104-SS	45	n/a	11/18/2015	19.6	No	40	21.16	9.259	2.5	None	No	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	105-SS	170	n/a	11/19/2015	69.5	No	40	8	1.922	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	106-SS	66	n/a	11/24/2015	50.2	No	40	3.901	0.1104	2.5	None	ln(x)	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	109-SS	89	n/a	11/30/2015	24.1	No	40	3.71	0.2988	2.5	None	ln(x)	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	110-SS	100	n/a	11/30/2015	60.9	No	40	5251	1909	0	None	x^2	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	115-SS	71	n/a	11/20/2015	4	No	40	4.715	1.41	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	201A-SS	86	n/a	11/18/2015	61.9	No	39	4.087	0.1382	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	205-SS	73	n/a	12/3/2015	53.4	No	39	50.72	8.593	0	None	No	0.00008608	Param Intra 1 of 2
Thallium Total (ug/L)	100-SS	50	n/a	11/17/2015	5ND	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	50	n/a	11/18/2015	5ND	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	50	n/a	11/19/2015	5ND	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	50	n/a	11/24/2015	5ND	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	50	n/a	11/30/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Thallium Total (ug/L)	110-SS	50	n/a	11/30/2015	5ND	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	50	n/a	11/20/2015	5ND	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	50	n/a	11/18/2015	5ND	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	50	n/a	12/3/2015	5ND	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	11/17/2015	432	No	39	1.1e8	2.8e7	0	None	x^3	0.00008608	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	104-SS	510	n/a	11/18/2015	416	No	38	6.039	0.07516	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	105-SS	800	n/a	11/19/2015	556	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	106-SS	540	n/a	11/24/2015	466	No	39	21.4	0.6626	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	109-SS	570	n/a	11/30/2015	425	No	40	6.134	0.07956	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	110-SS	1400	n/a	11/30/2015	1110	No	40	1135	116.3	0	None	No	0.00008608	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	115-SS	1900	n/a	11/20/2015	1350	No	40	6.742	0.3108	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	201A-SS	560	n/a	11/18/2015	456	No	39	226671	33845	0	None	x^2	0.00008608	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	205-SS	580	n/a	12/3/2015	427	No	39	6.217	0.05445	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	100-SS	31	n/a	11/17/2015	0.5ND	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	11/18/2015	1.7	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)	105-SS	29	n/a	11/19/2015	0.5ND	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)	106-SS	32	n/a	11/24/2015	2	No	40	n/a	n/a	52.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Total Organic Carbon [TOC] (mg/L)	109-SS	31	n/a	11/30/2015	0.5ND	No	40	n/a	n/a	52.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Total Organic Carbon [TOC] (mg/L)	110-SS	31	n/a	11/30/2015	14.5	No	39	3.564	0.7759	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	115-SS	56	n/a	11/20/2015	14.4	No	40	1.813	0.7701	22.5	Kaplan-...	x^(1/3)	0.00008608	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	201A-SS	33	n/a	11/18/2015	0.5ND	No	40	n/a	n/a	50	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Total Organic Carbon [TOC] (mg/L)	205-SS	34	n/a	12/3/2015	1.1	No	40	n/a	n/a	45	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Vanadium Total (ug/L)	100-SS	5.0	n/a	11/17/2015	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	5.0	n/a	11/18/2015	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	5.0	n/a	11/19/2015	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	5.0	n/a	11/24/2015	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	5.0	n/a	11/30/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Vanadium Total (ug/L)	110-SS	10	n/a	11/30/2015	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)	115-SS	14	n/a	11/20/2015	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	5.0	n/a	11/18/2015	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	12/3/2015	15	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	11/17/2015	25.7	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	11/18/2015	10ND	No	40	n/a	n/a	85	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Zinc Total (ug/L)	105-SS	43	n/a	11/19/2015	10ND	No	40	n/a	n/a	85	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 11:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc Total (ug/L)	106-SS	40	n/a	11/24/2015	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)	109-SS	220	n/a	11/30/2015	10ND	No	40	2.709	1.255	32.5	Kaplan-...	x^(1/3)	0.00008608	Param Intra 1 of 2
Zinc Total (ug/L)	110-SS	87	n/a	11/30/2015	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)	115-SS	68	n/a	11/20/2015	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	11/18/2015	74	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	12/3/2015	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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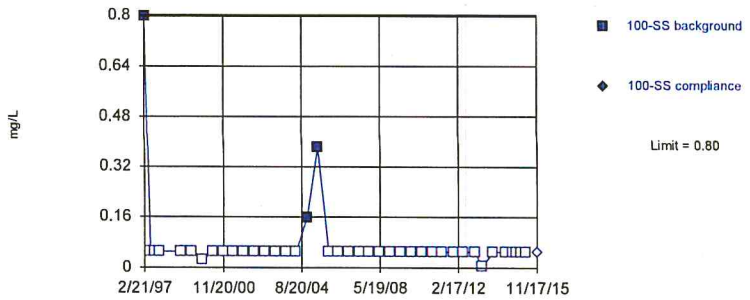
Hollow symbols indicate censored values.

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 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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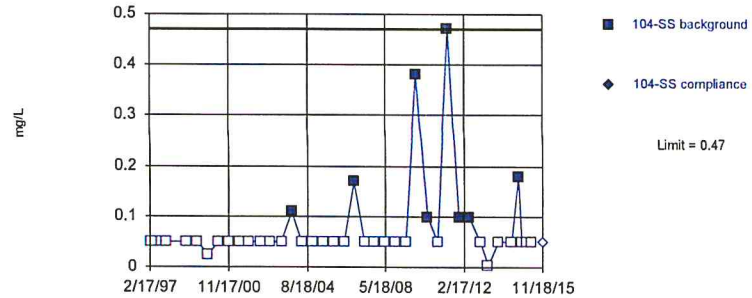
Hollow symbols indicate censored values.

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.

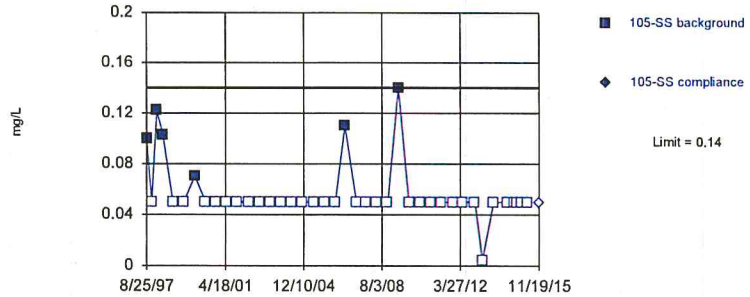
Constituent: Ammonia as N Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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: Ammonia as N Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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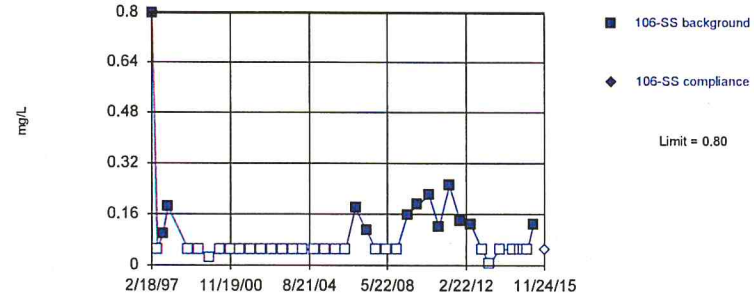
Hollow symbols indicate censored values.

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 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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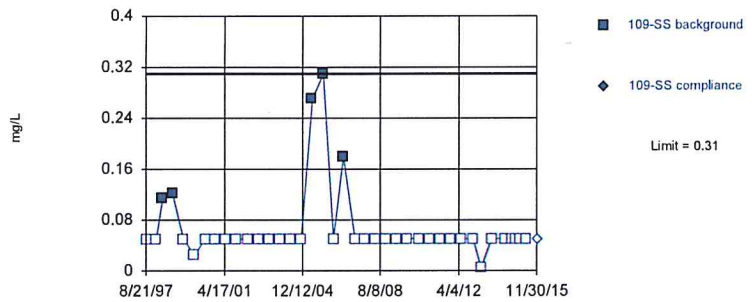
Hollow symbols indicate censored values.

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 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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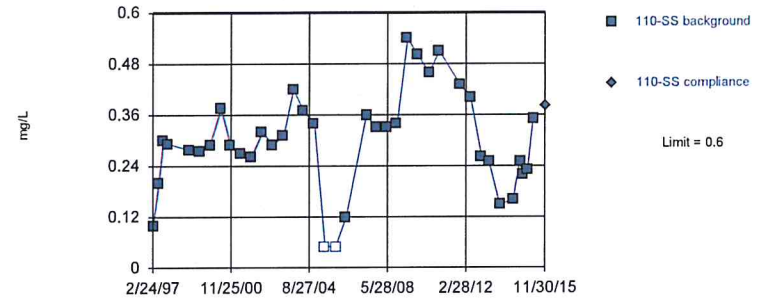
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.2966, Std. Dev.=0.1164, n=38, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9725, critical = 0.916. Kappa = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. Two background outliers were removed: 0.77 (11/9/2006); 1.8 (5/10/2011).

Constituent: Ammonia as N Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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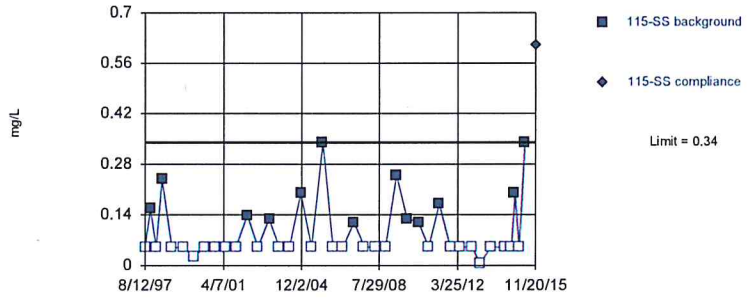
Exceeds Limit

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 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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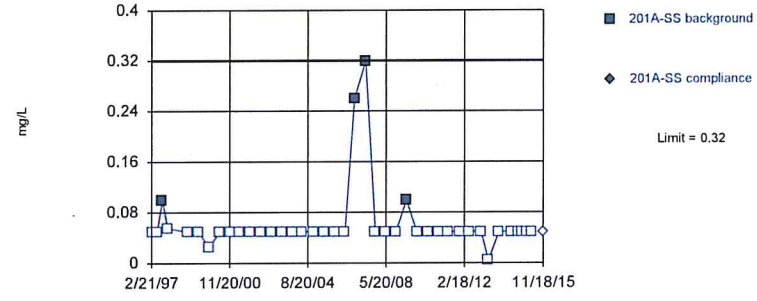
Hollow symbols indicate censored values.

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 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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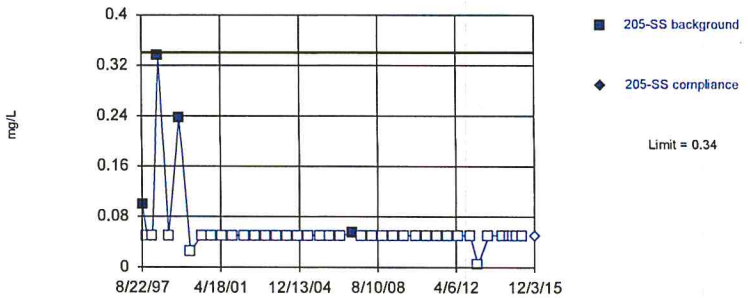
Hollow symbols indicate censored values.

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.

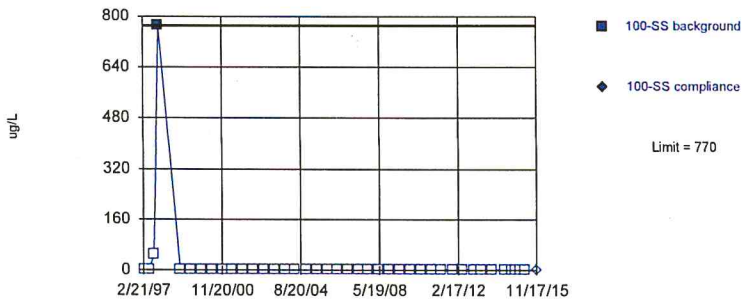
Constituent: Ammonia as N Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

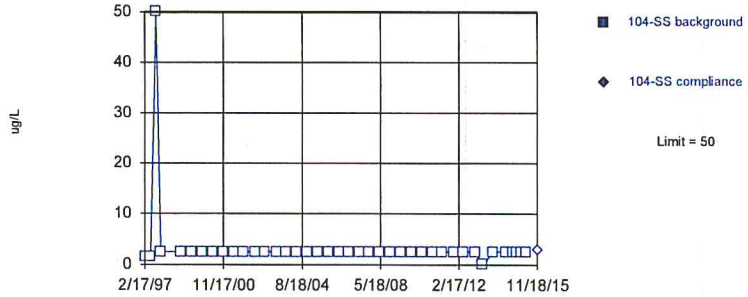
Constituent: Antimony Total Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

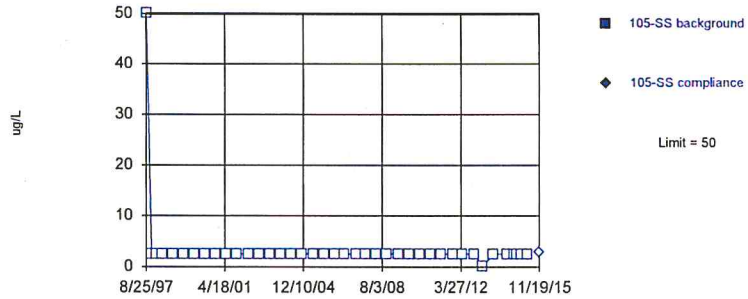
Constituent: Antimony Total Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

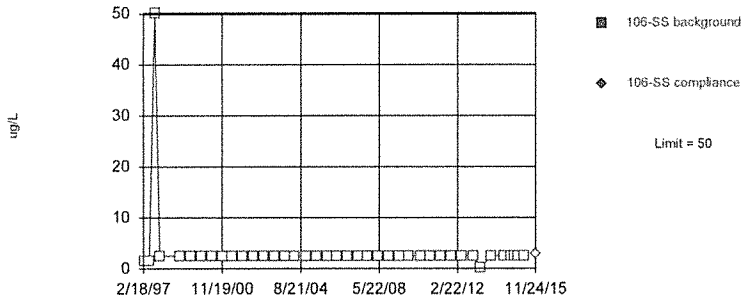
Constituent: Antimony Total Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

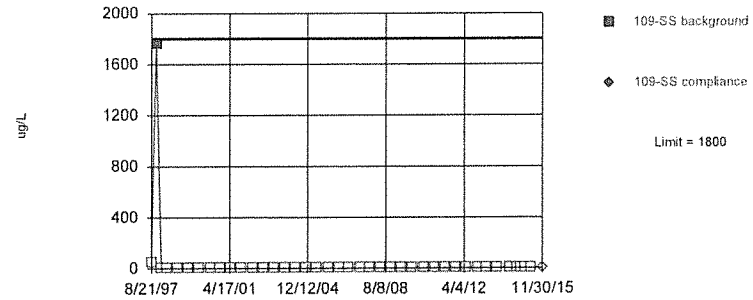
Constituent: Antimony Total Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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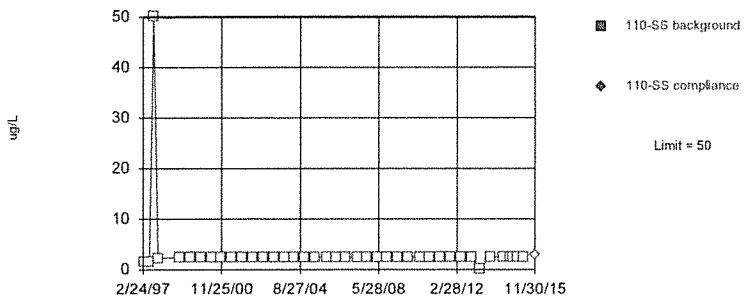
Hollow symbols indicate censored values.

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. 100% 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.

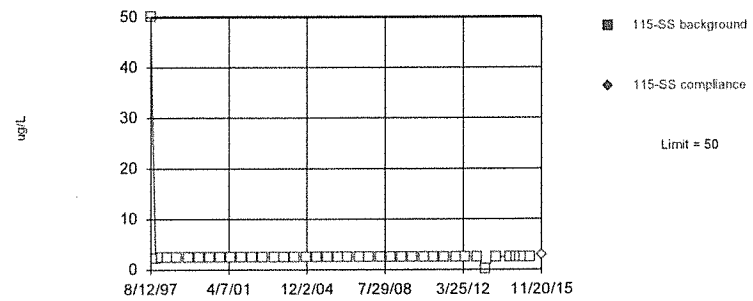
Constituent: Antimony Total Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

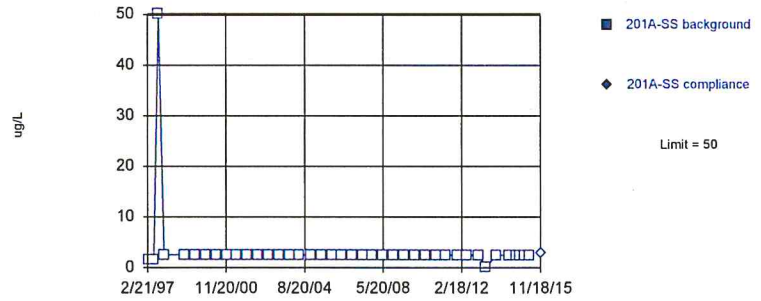
Constituent: Antimony Total Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

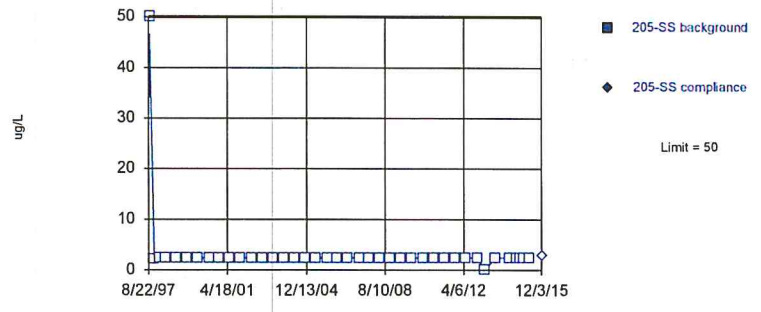
Constituent: Antimony Total Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

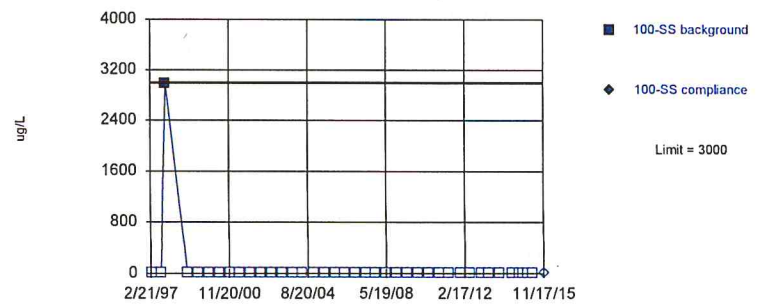
Constituent: Antimony Total Analysis Run 1/7/2016 11:52 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

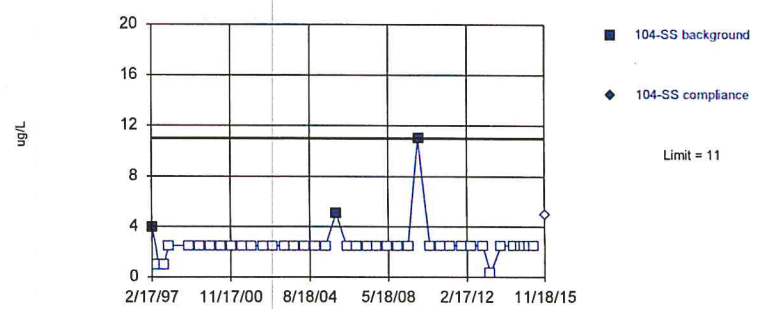
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

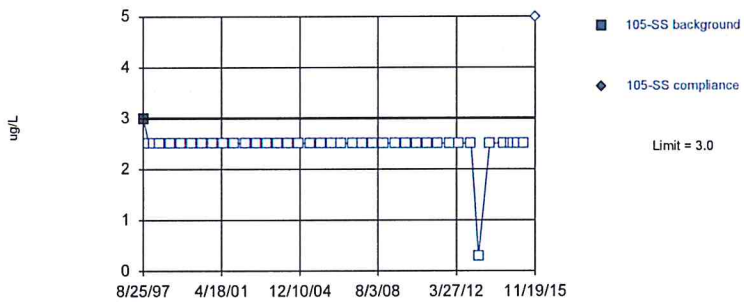
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

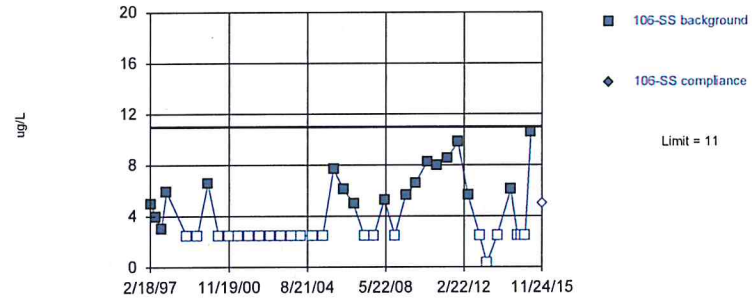
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

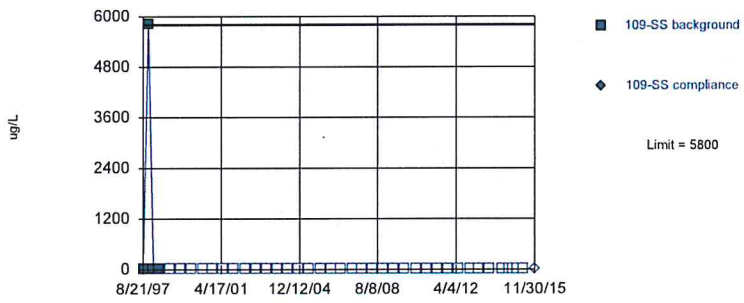
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

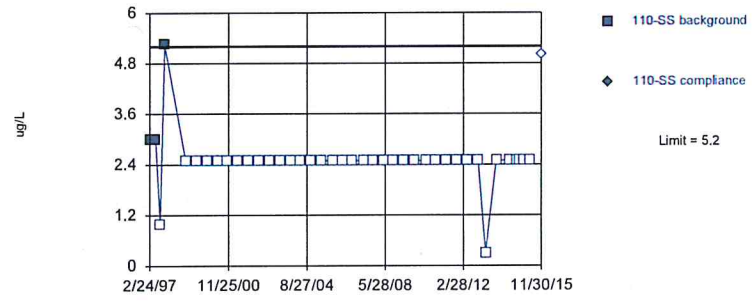
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

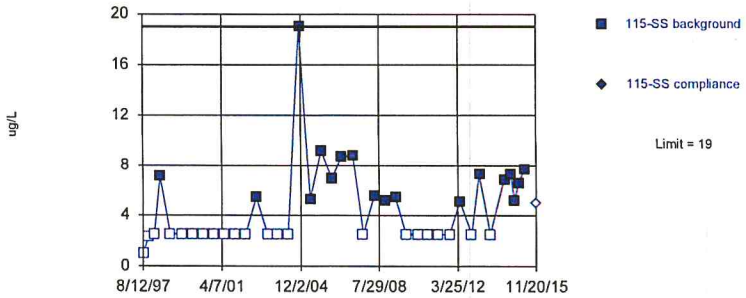
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

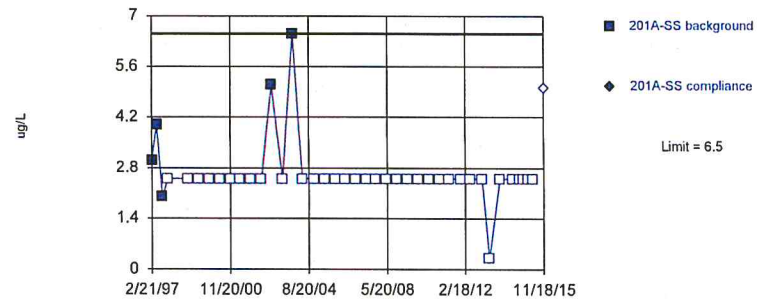
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

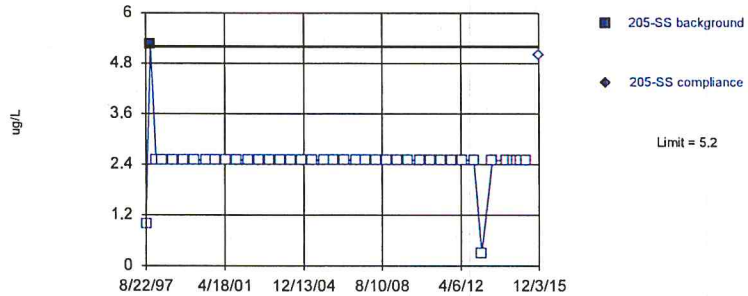
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

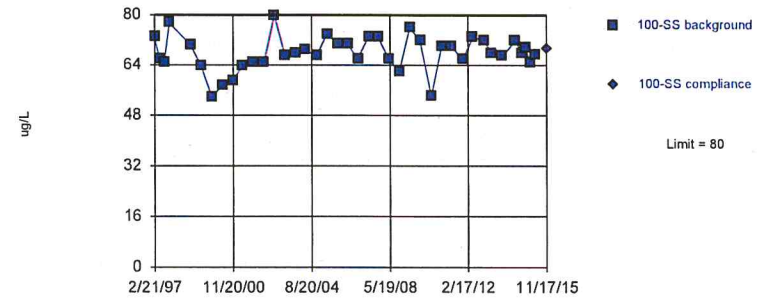
Constituent: Arsenic Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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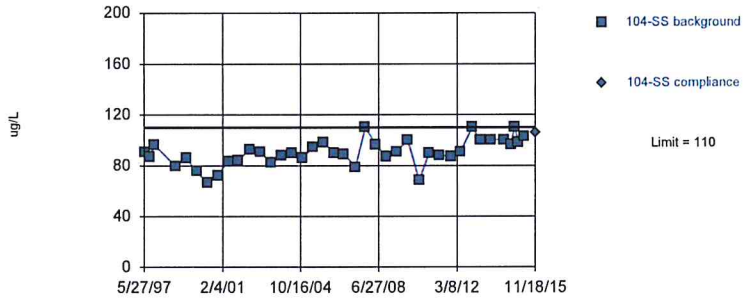
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 214 (2/17/1997).

Constituent: Barium Total Analysis Run 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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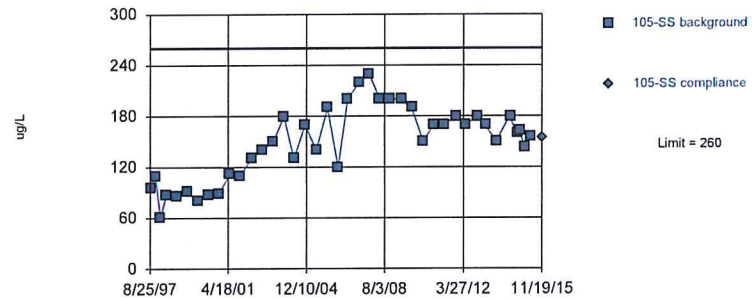
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:53 AM

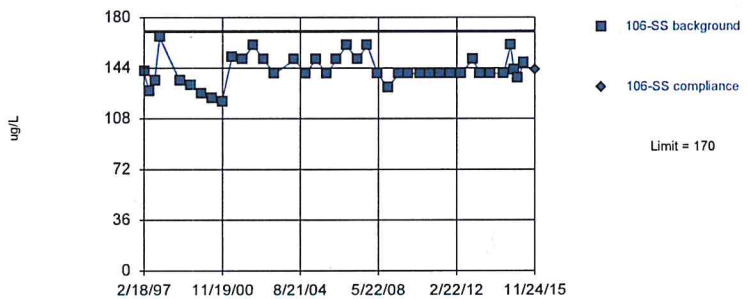
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within 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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 78 (11/20/2003).

Constituent: Barium Total Analysis Run 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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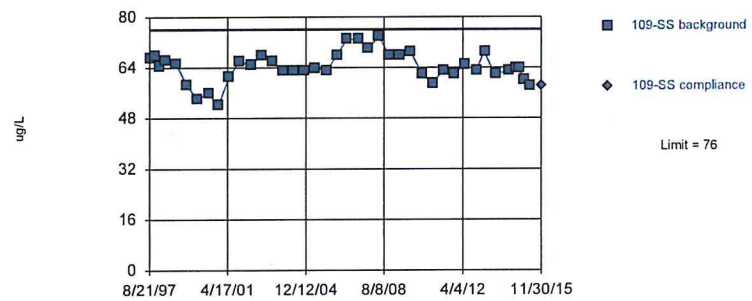
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:53 AM

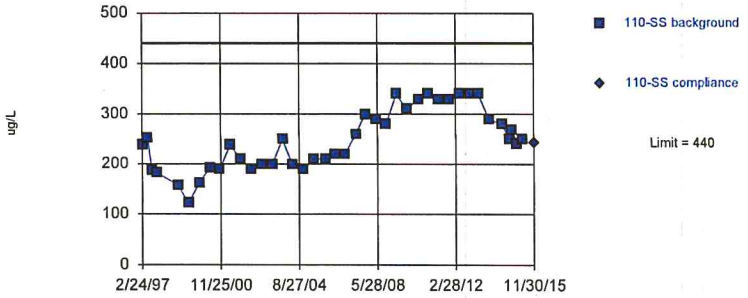
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=6.244, Std. Dev.=0.5182, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9456, critical = 0.919. Kappa = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:53 AM

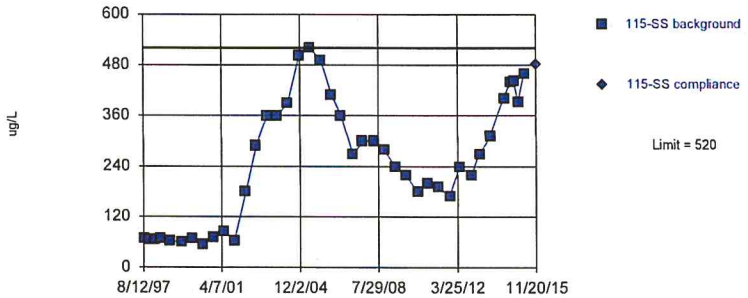
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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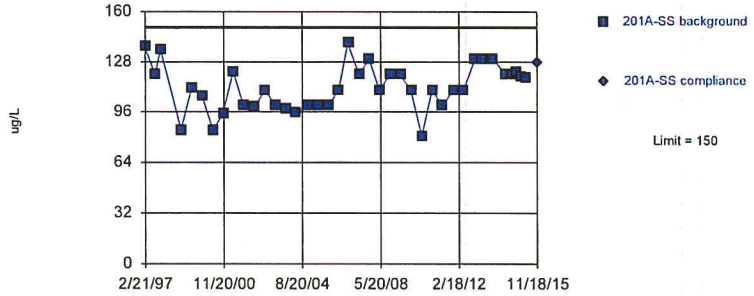
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 206 (5/27/1997).

Constituent: Barium Total Analysis Run 1/7/2016 11:53 AM

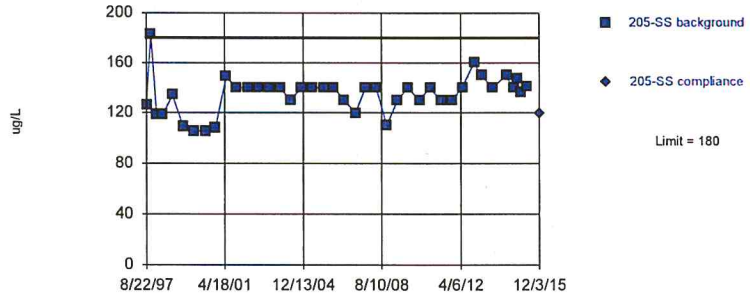
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:53 AM

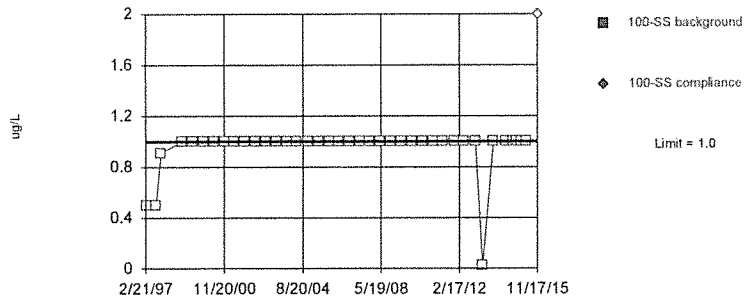
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

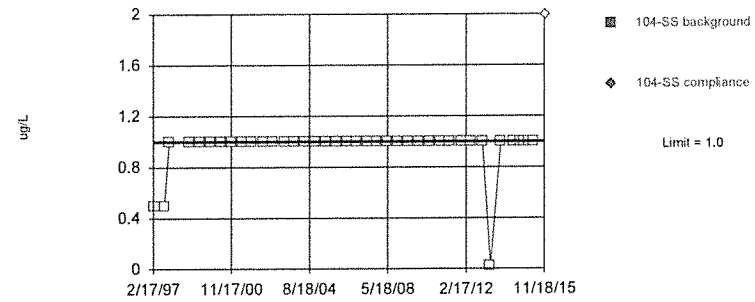
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

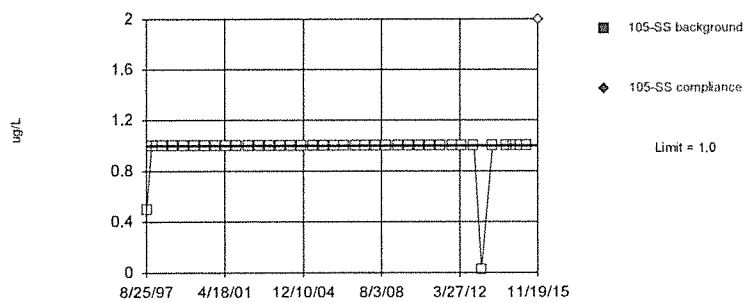
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

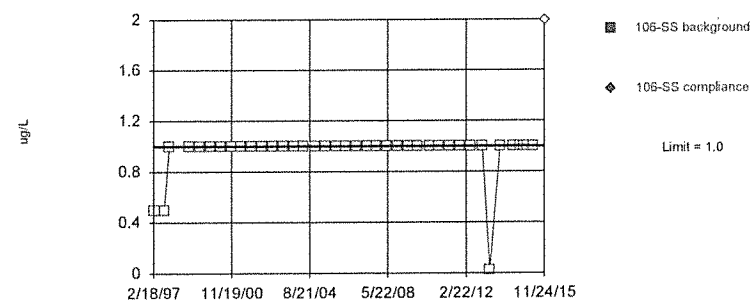
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

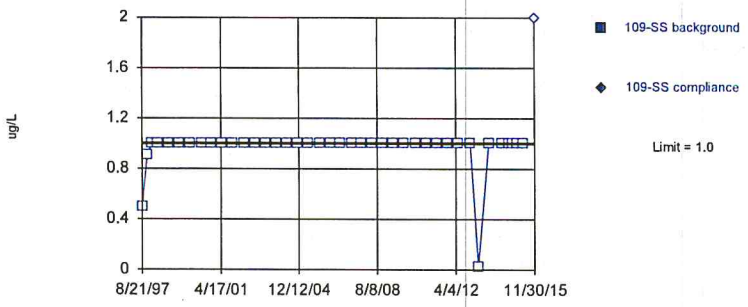
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

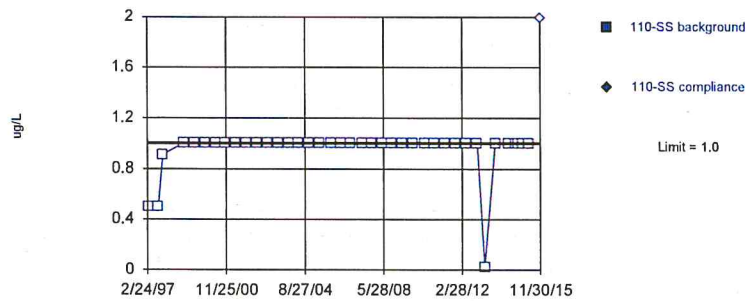
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

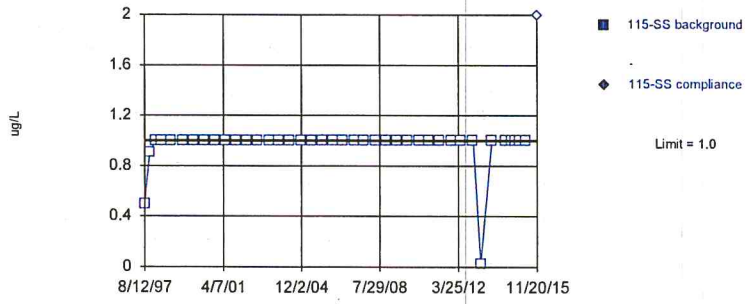
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

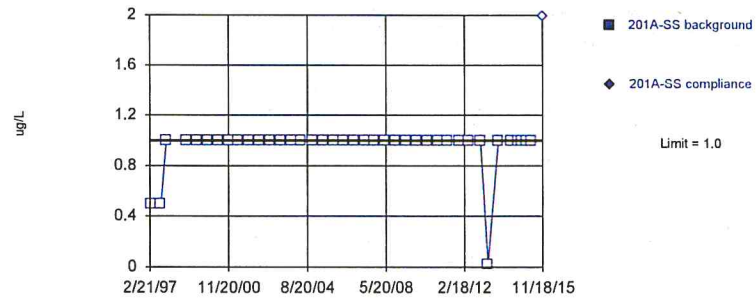
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

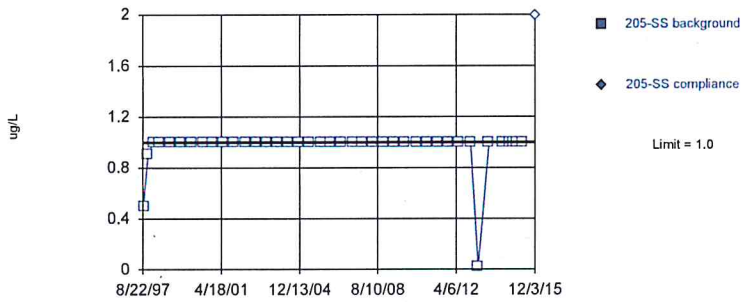
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

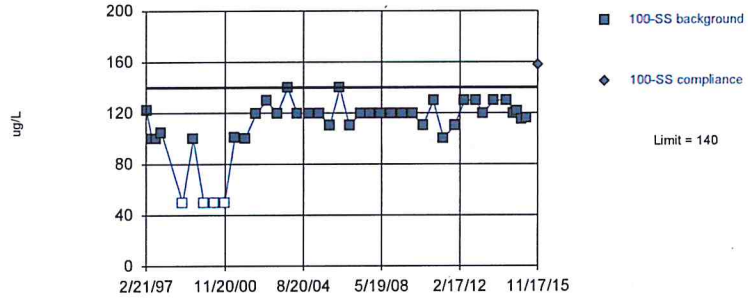
Constituent: Beryllium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Exceeds 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. After outlier removal distribution was non-normal, so outlier results were invalidated.

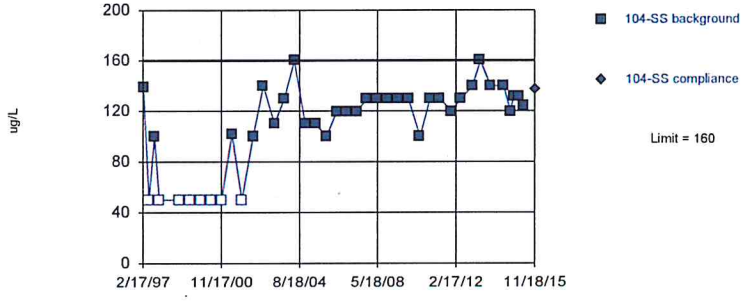
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

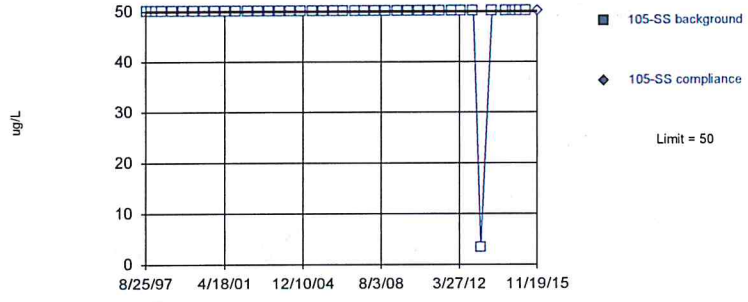
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

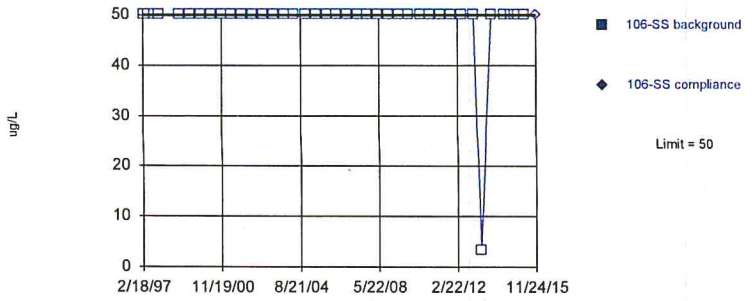
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

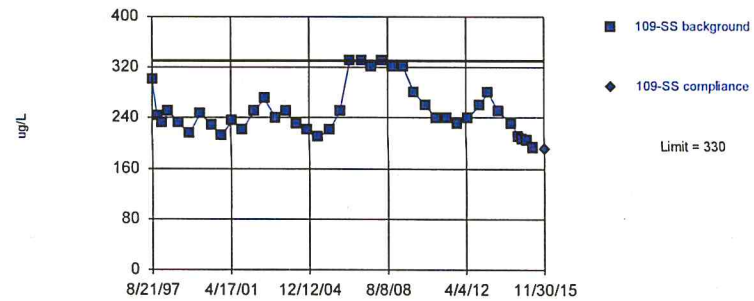
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

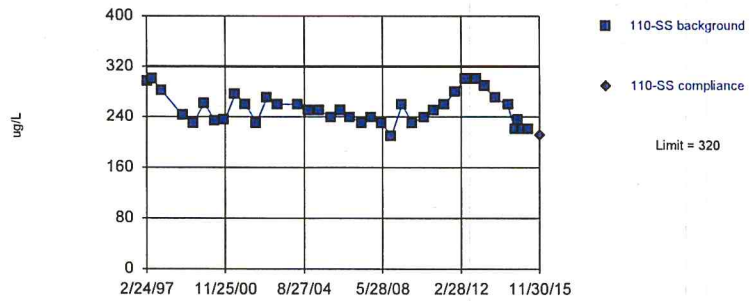
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.529, Std. Dev.=0.09624, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9502, critical = 0.916. Kappa = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. Two background outliers were removed: <100 (8/22/1997); 400 (11/20/2003).

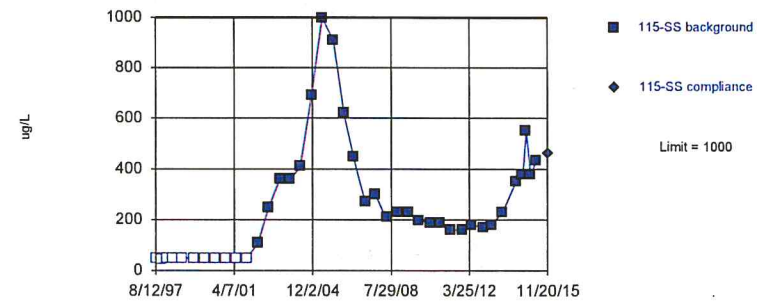
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

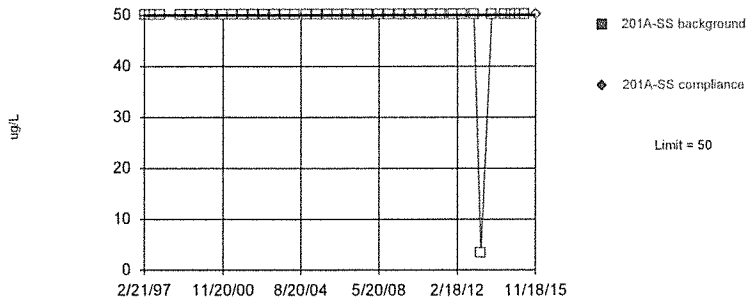
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

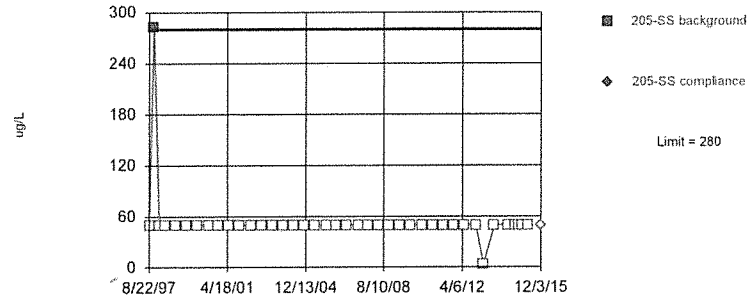
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

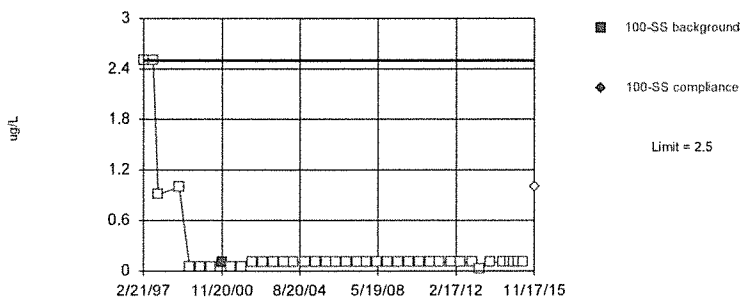
Constituent: Boron Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

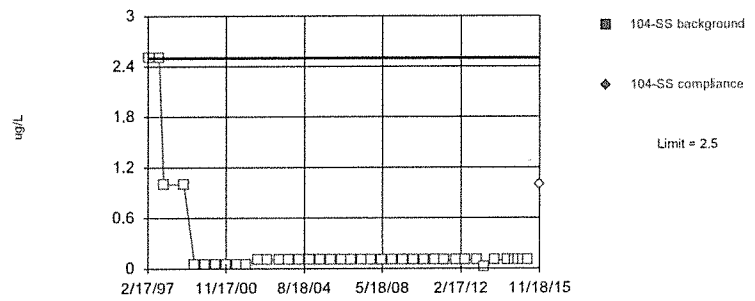
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

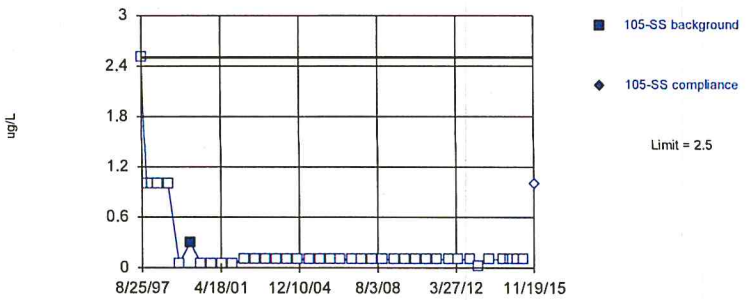
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

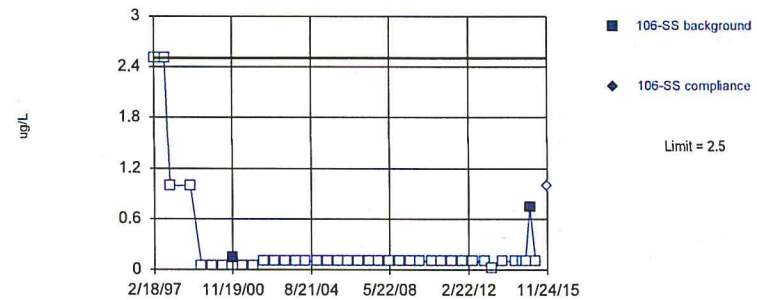
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

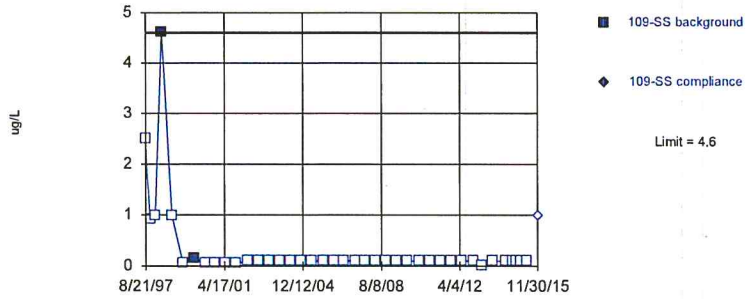
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

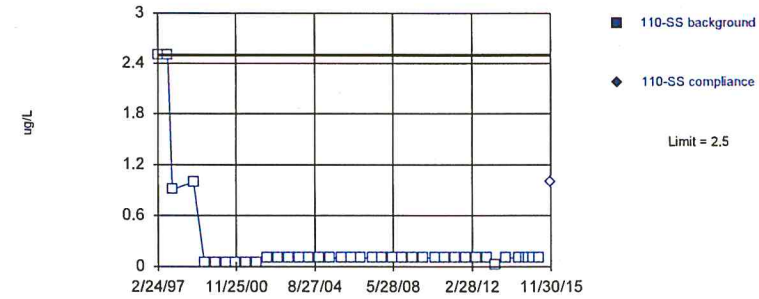
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

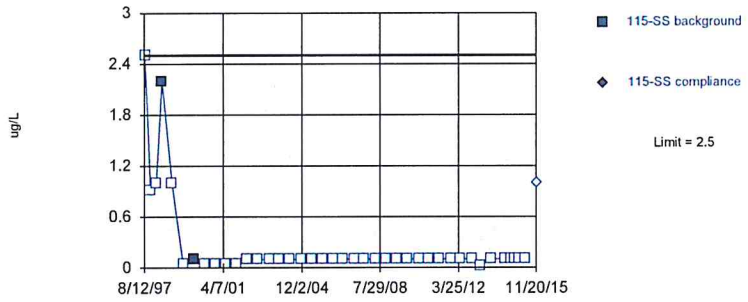
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

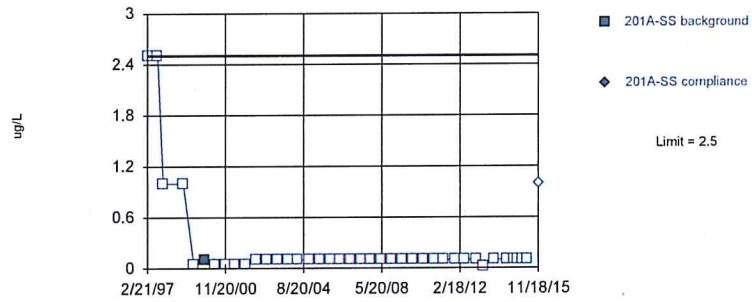
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

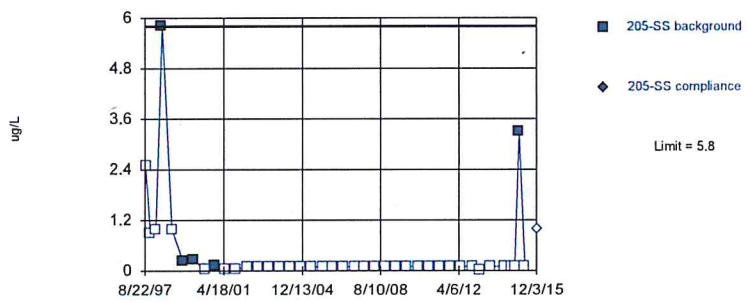
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

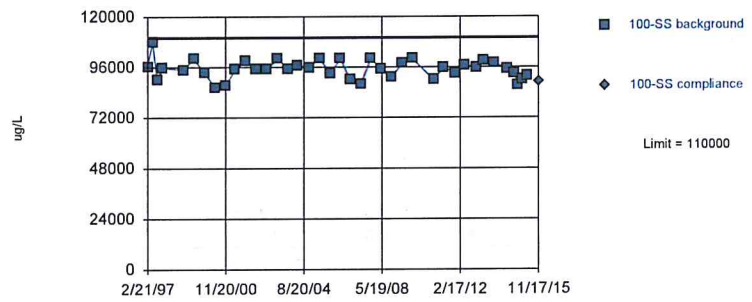
Constituent: Cadmium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 76000 (5/19/2010).

Constituent: Calcium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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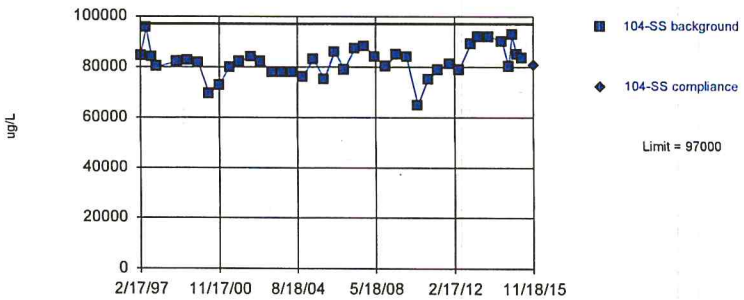
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Calcium Total Analysis Run 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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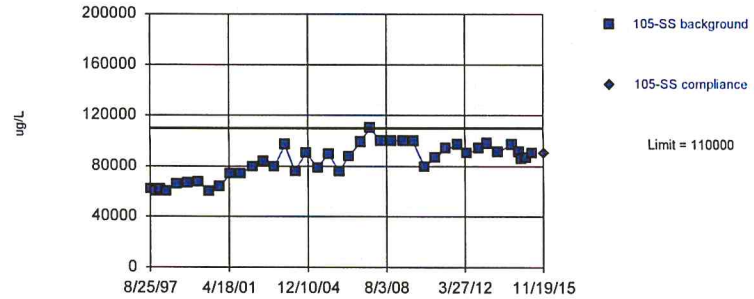
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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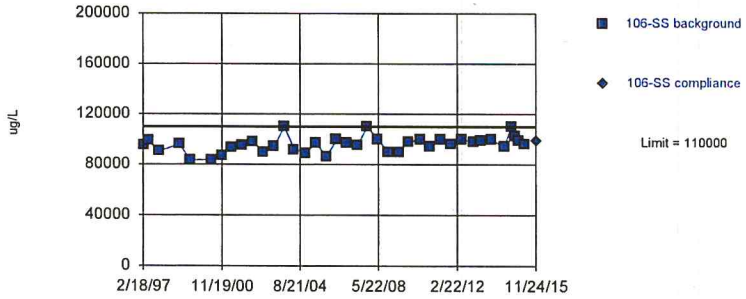
Within Limit

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 = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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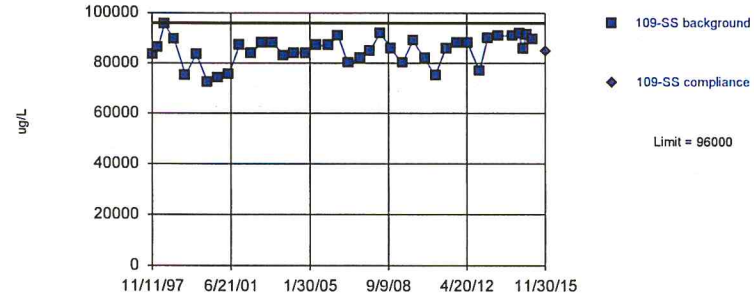
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 174000 (8/21/1997).

Constituent: Calcium Total Analysis Run 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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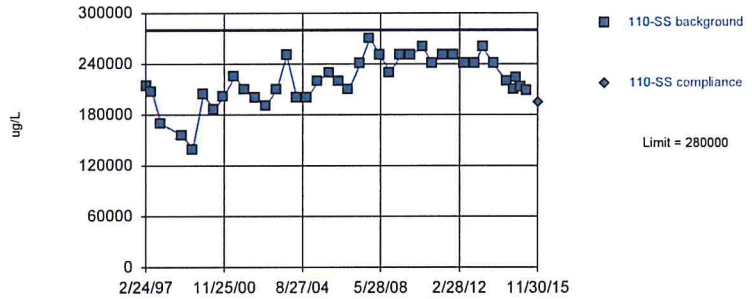
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.1e16, Std. Dev.=4.0e15, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9718, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 91000 (8/22/1997).

Constituent: Calcium Total Analysis Run 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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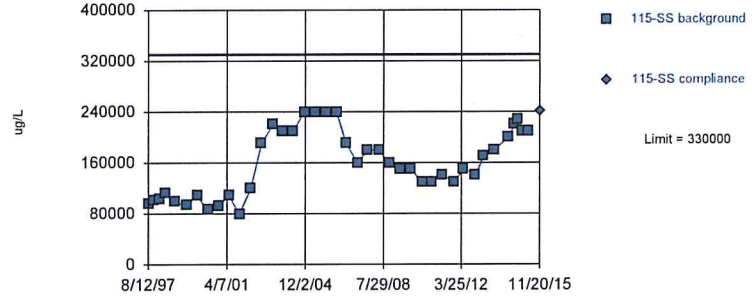
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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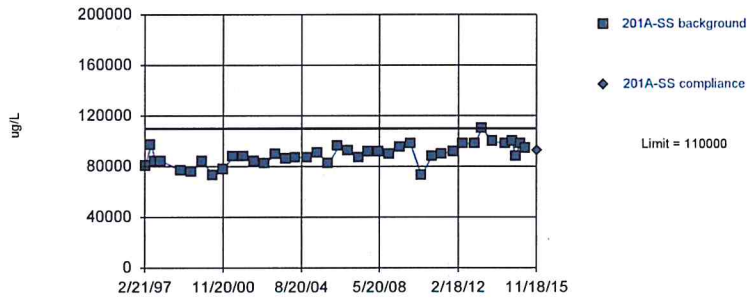
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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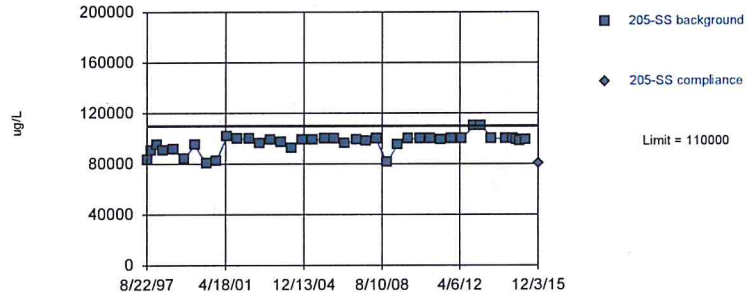
Within Limit

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: Calcium Total Analysis Run 1/7/2016 11:53 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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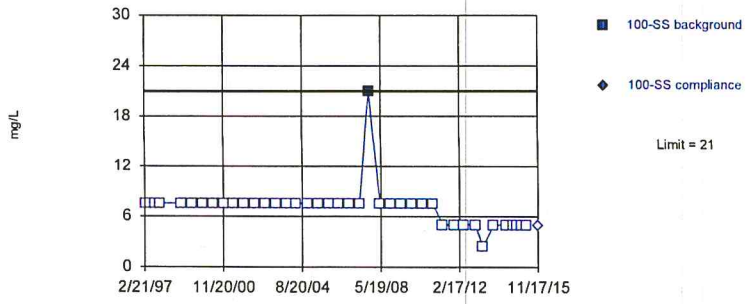
Hollow symbols indicate censored values.

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.

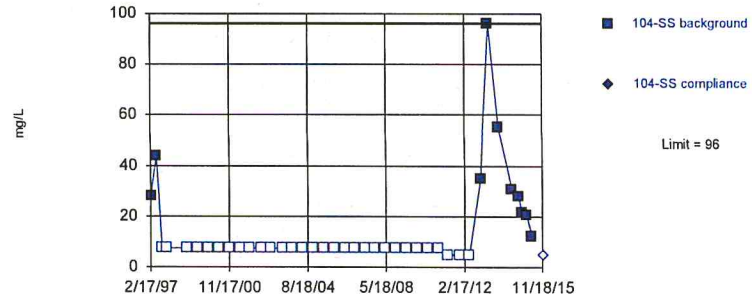
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

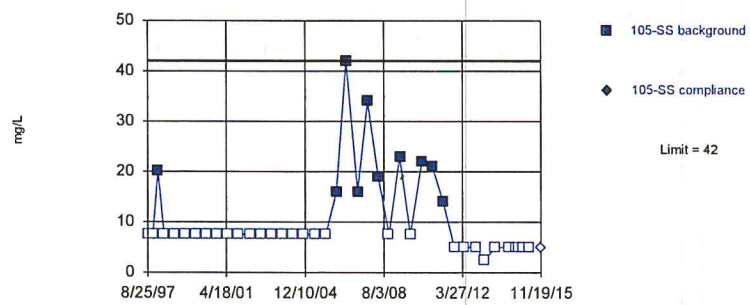
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

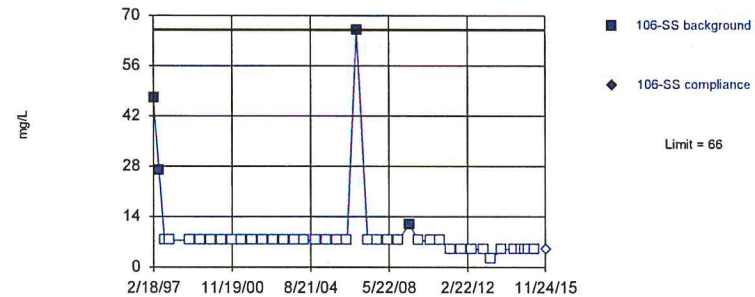
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

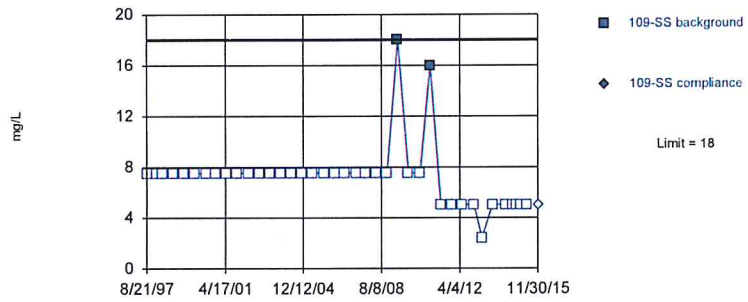
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

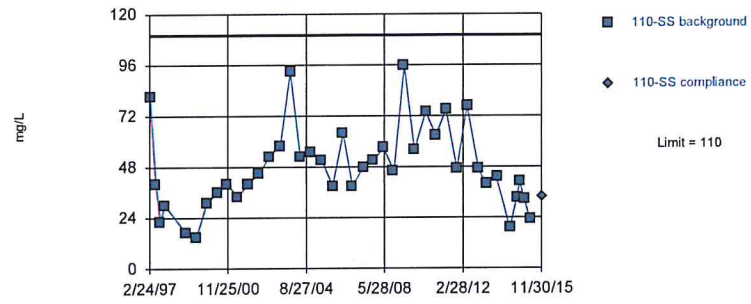
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=6.76, Std. Dev.=1.404, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9773, critical = 0.919. Kappa = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

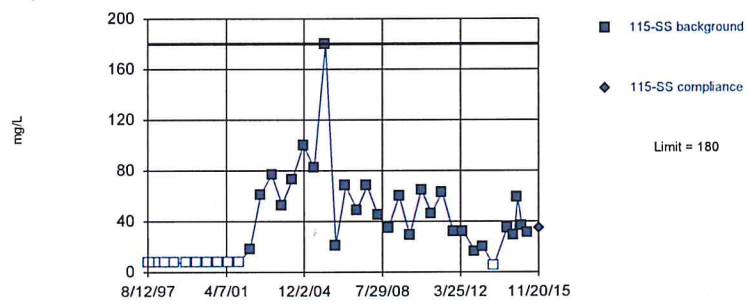
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

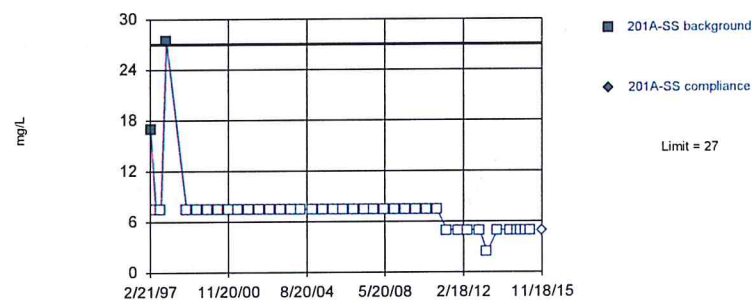
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

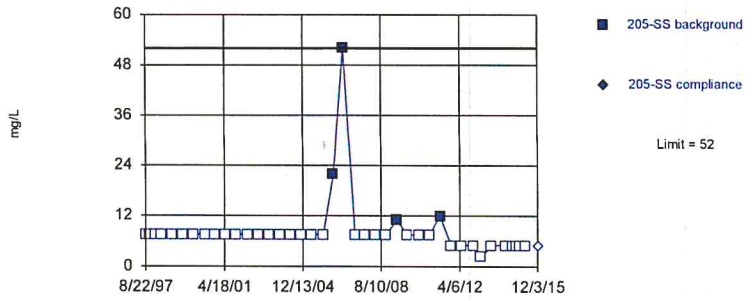
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

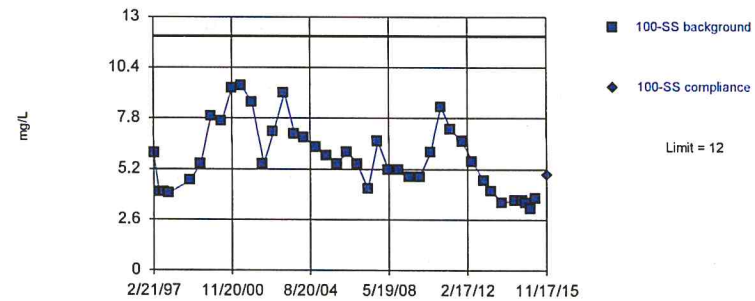
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

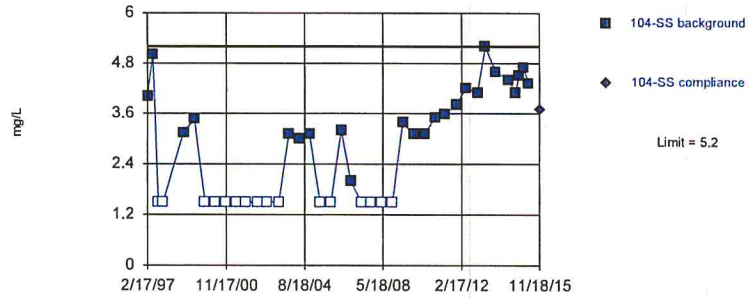
Constituent: Chloride Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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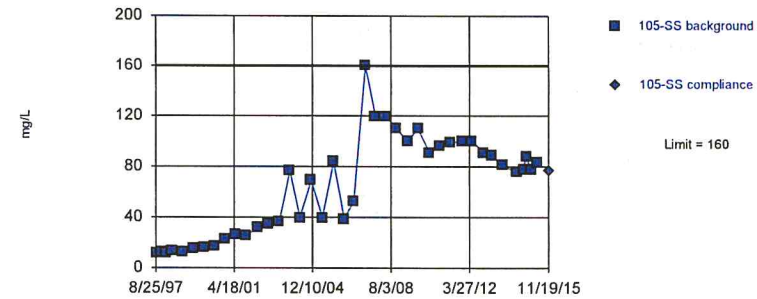
Within Limit

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.

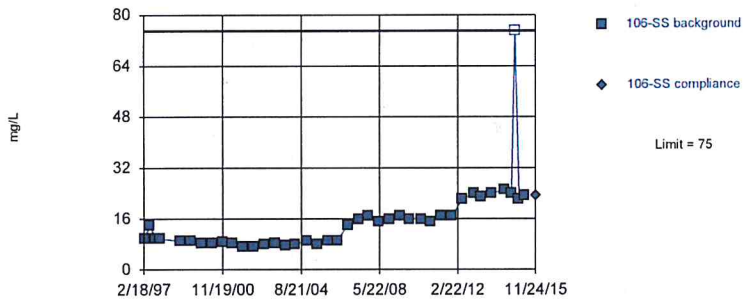
Constituent: Chloride Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

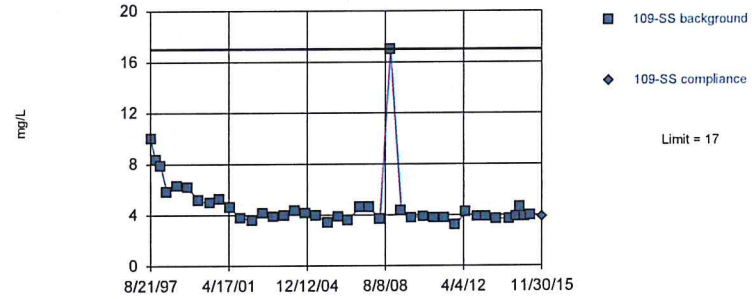
Constituent: Chloride Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

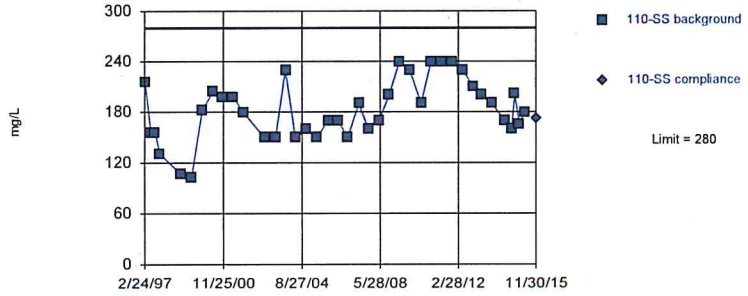
Constituent: Chloride Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=182.4, Std. Dev.=35.44, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9539, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: <3 (5/21/2002).

Constituent: Chloride Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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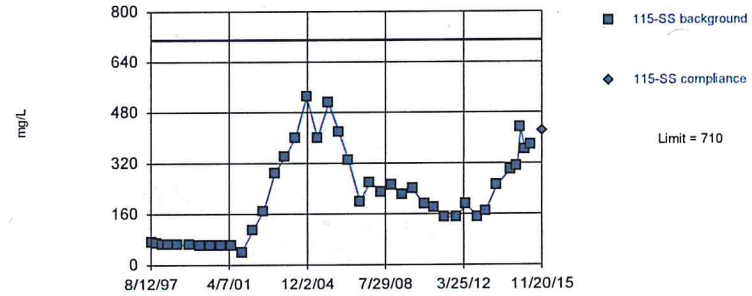
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

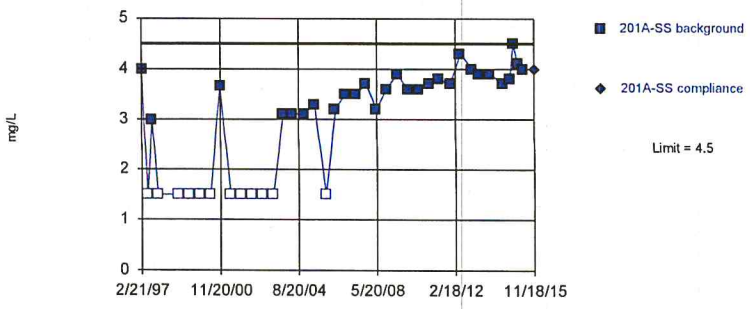
Constituent: Chloride Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

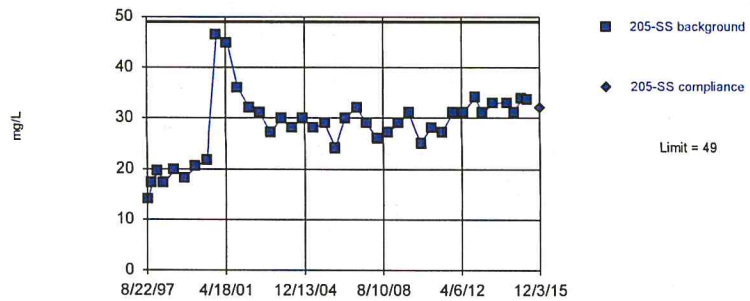
Constituent: Chloride Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: <150 (11/20/2014).

Constituent: Chloride Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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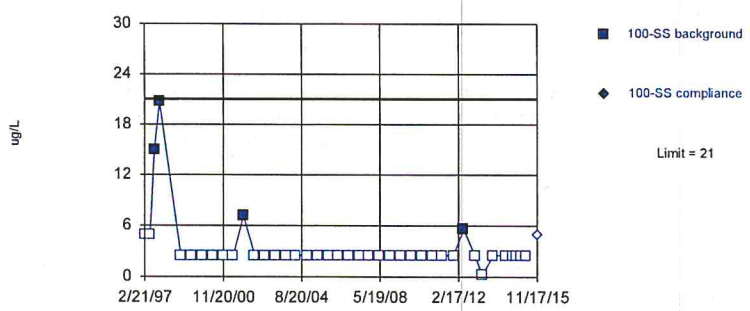
Hollow symbols indicate censored values.

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.

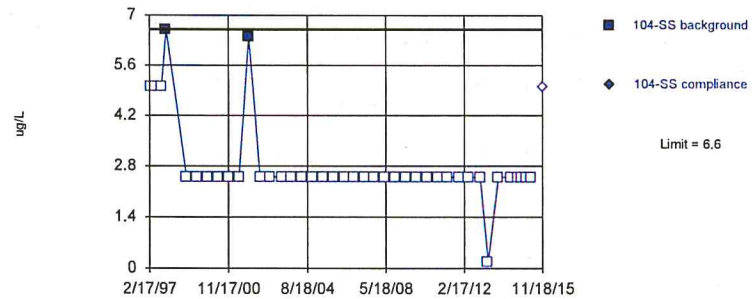
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

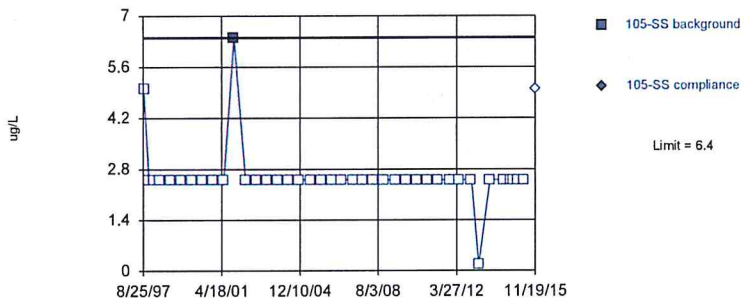
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

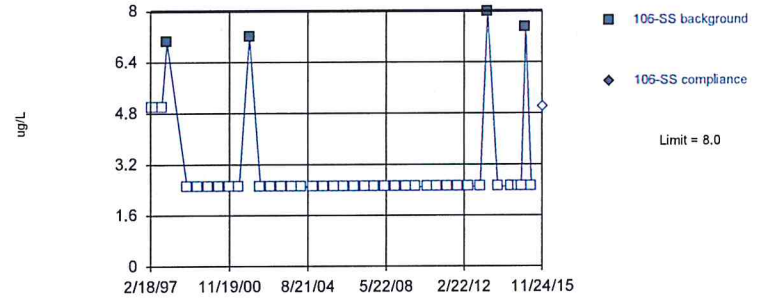
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

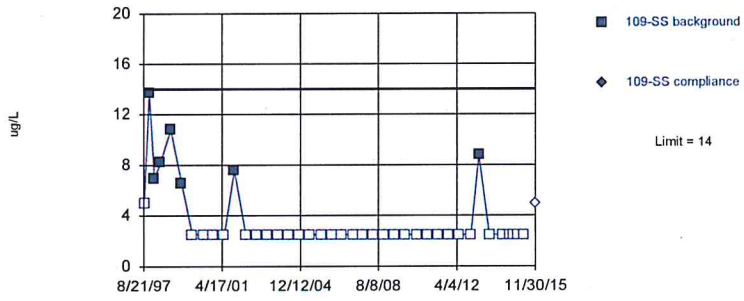
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

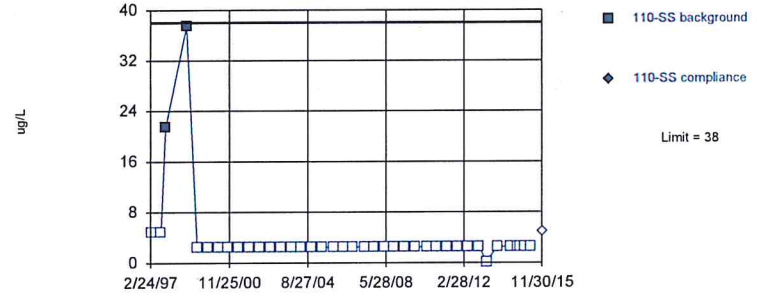
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

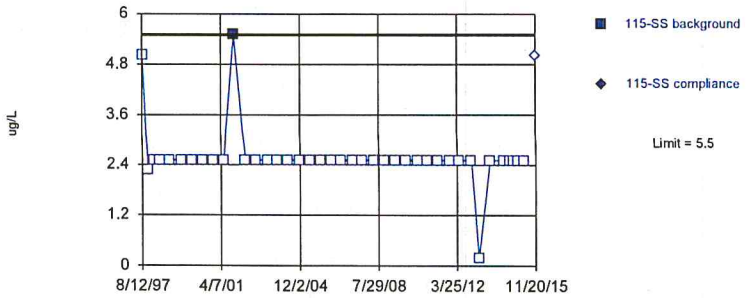
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

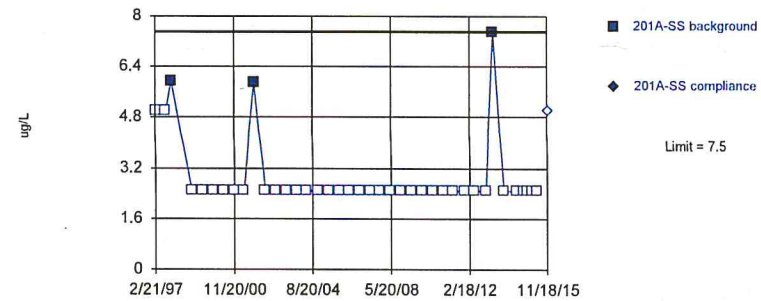
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

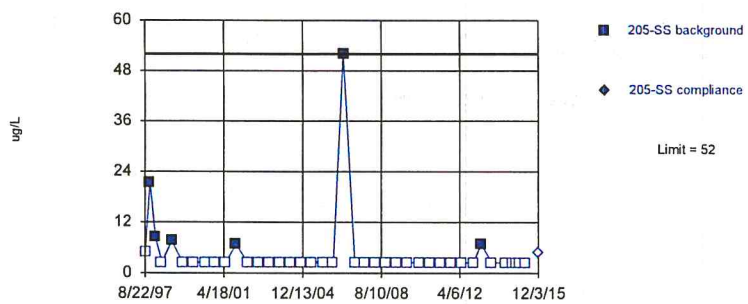
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

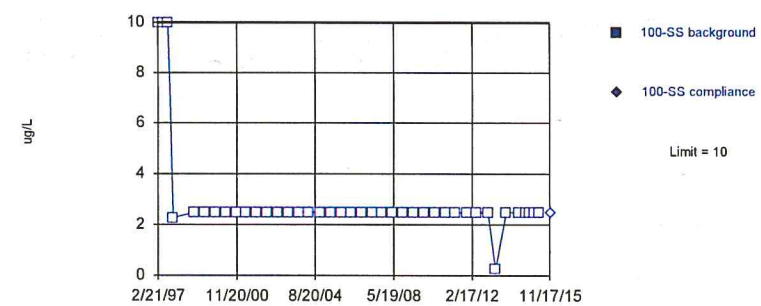
Constituent: Chromium Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

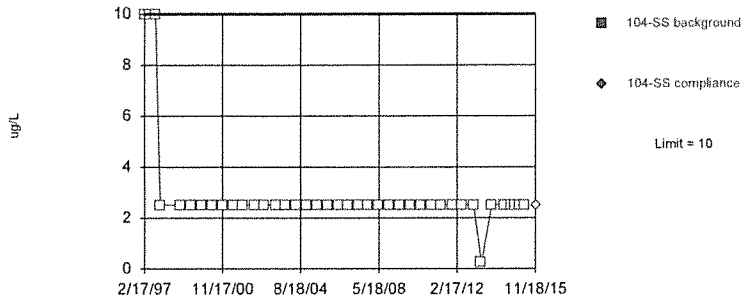
Constituent: Cobalt Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

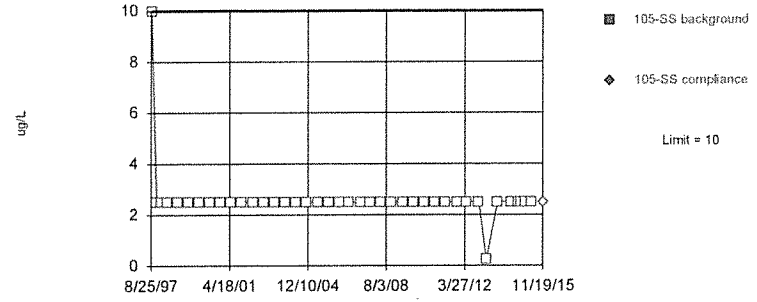
Constituent: Cobalt Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

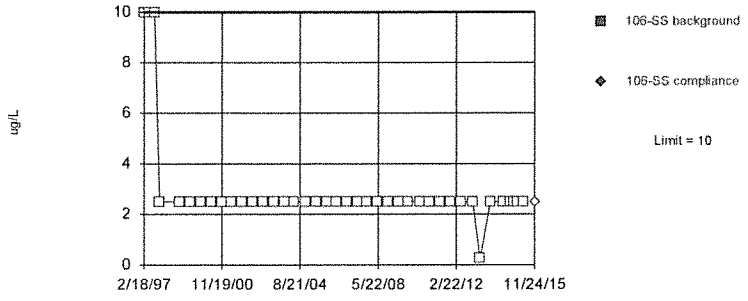
Constituent: Cobalt Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

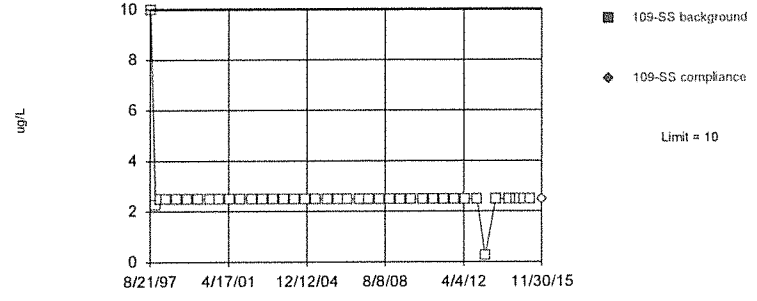
Constituent: Cobalt Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

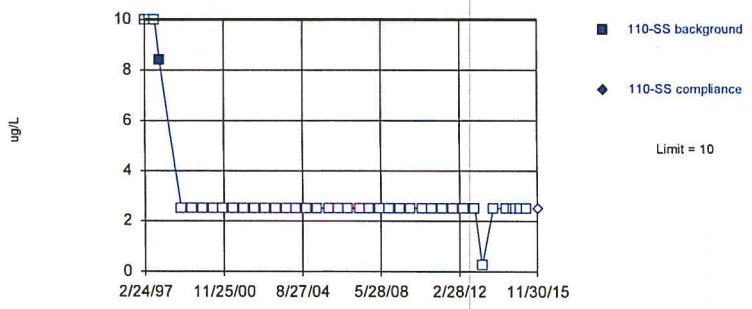
Constituent: Cobalt Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:53 AM

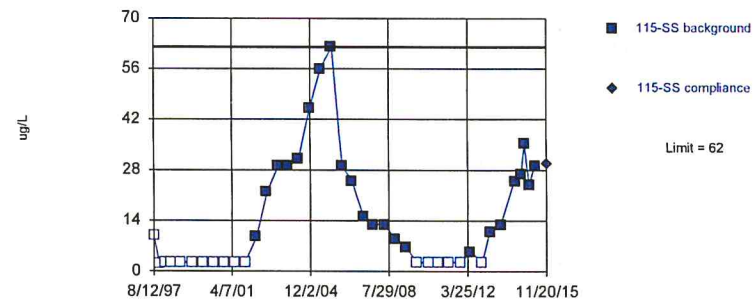
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:53 AM

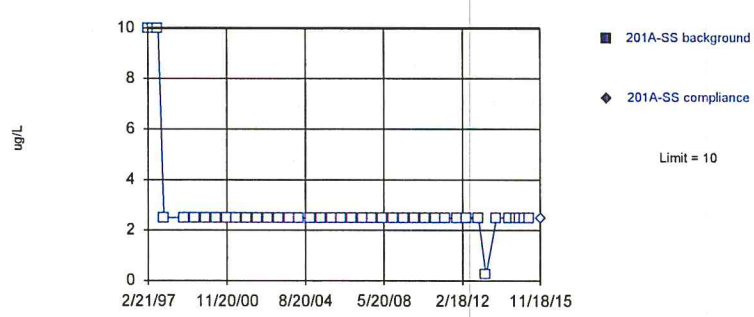
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:53 AM

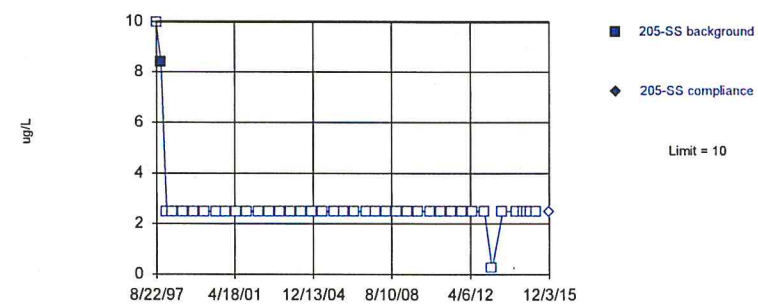
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:53 AM

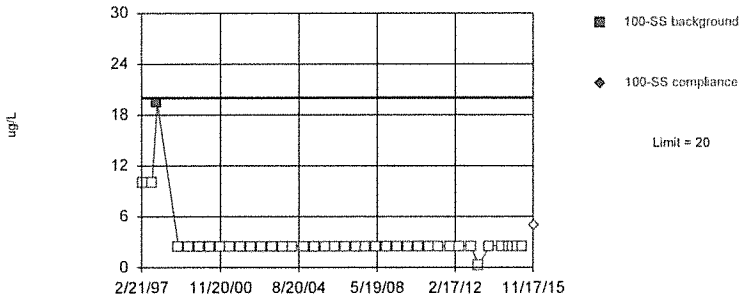
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

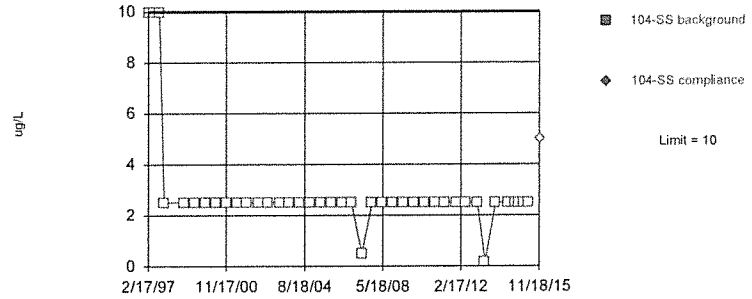
Constituent: Copper Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

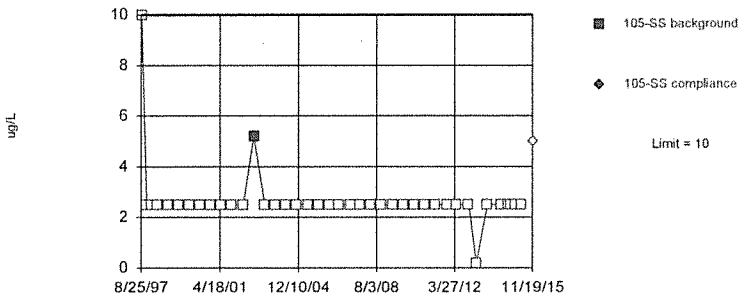
Constituent: Copper Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

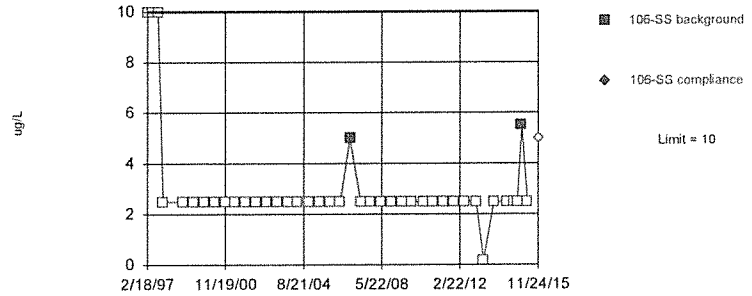
Constituent: Copper Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

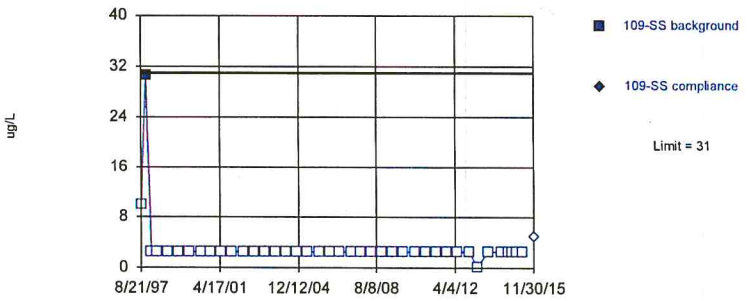
Constituent: Copper Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

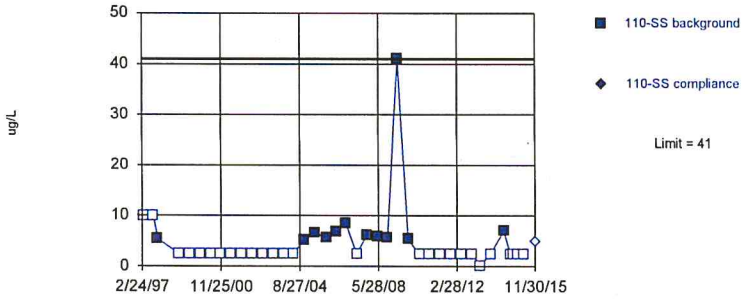
Constituent: Copper Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

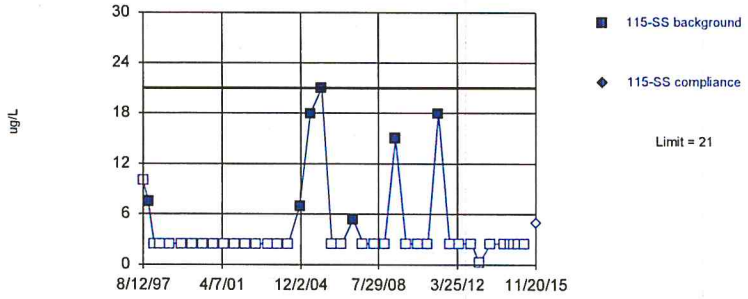
Constituent: Copper Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

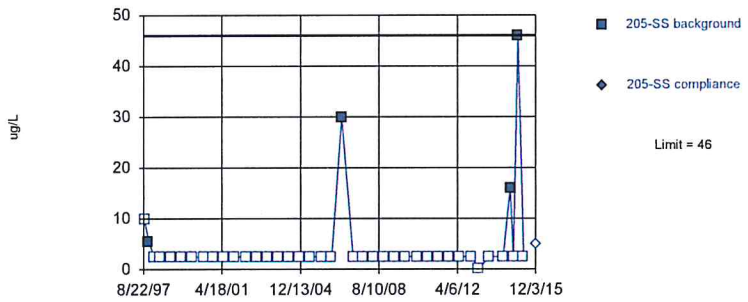
Constituent: Copper Total Analysis Run 1/7/2016 11:53 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

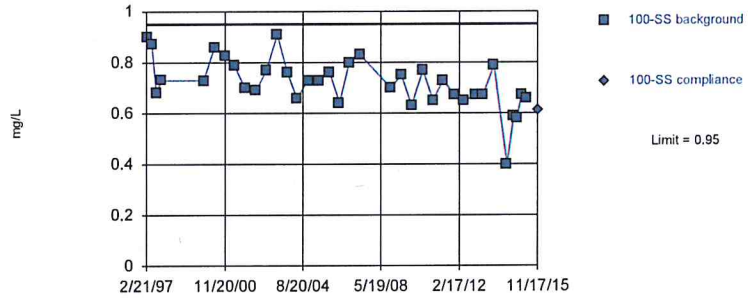
Constituent: Copper Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.5288, Std. Dev.=0.1384, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9718, critical = 0.912. Kappa = 2.654 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. Two background outliers were removed: 0.34 (11/12/1998); <0.25 (5/18/1999).

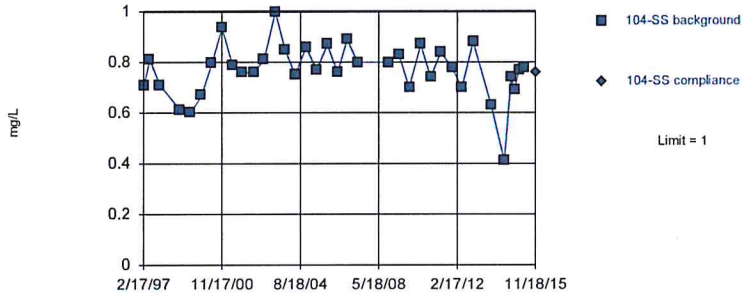
Constituent: Fluoride Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.6021, Std. Dev.=0.1549, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9846, critical = 0.912. Kappa = 2.654 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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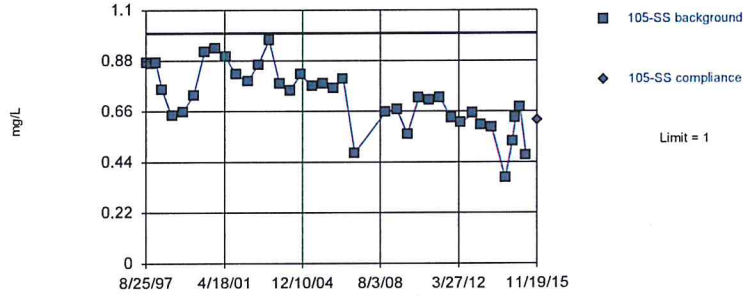
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.5356, Std. Dev.=0.1924, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9853, critical = 0.916. Kappa = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. No background outliers were found.

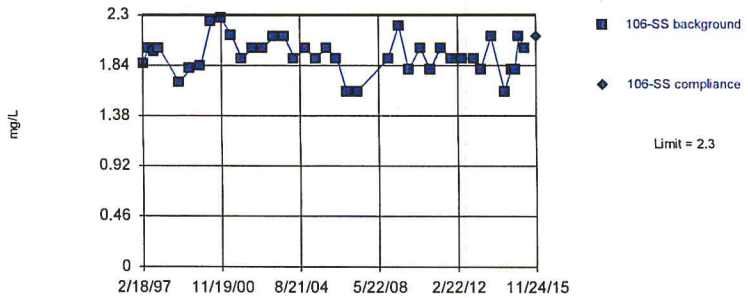
Constituent: Fluoride Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=3.753, Std. Dev.=0.6283, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9571, critical = 0.916. Kappa = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

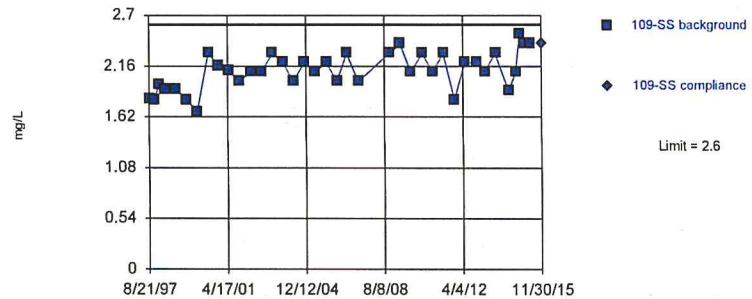
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=4.511, Std. Dev.=0.8301, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9677, critical = 0.916. Kappa = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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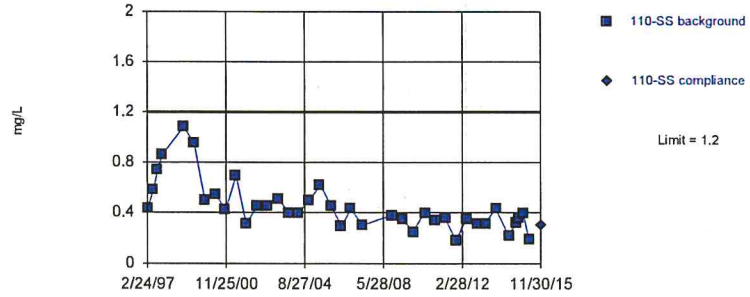
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.8815, Std. Dev.=0.3992, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9706, critical = 0.916. Kappa = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

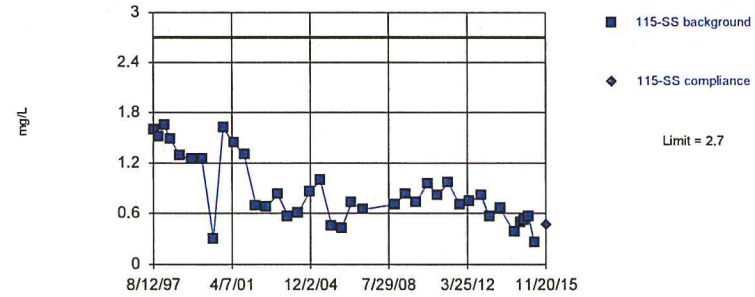
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.2445, Std. Dev.=0.4675, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9612, critical = 0.916. Kappa = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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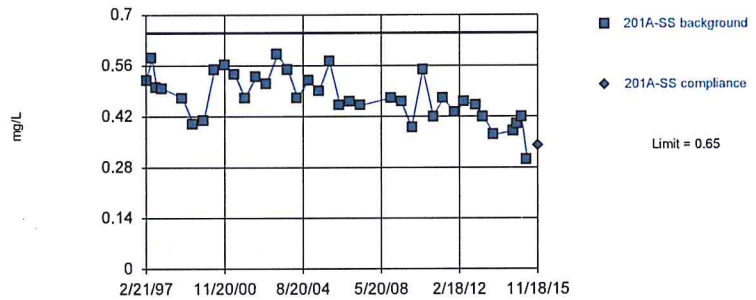
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4724, Std. Dev.=0.06629, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9765, critical = 0.914. Kappa = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 0.2 (5/28/2014).

Constituent: Fluoride Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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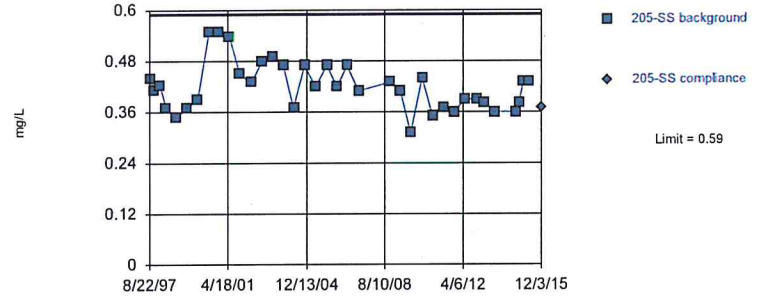
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.8772, Std. Dev.=0.1331, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.971, critical = 0.914. Kappa = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 0.18 (5/28/2014).

Constituent: Fluoride Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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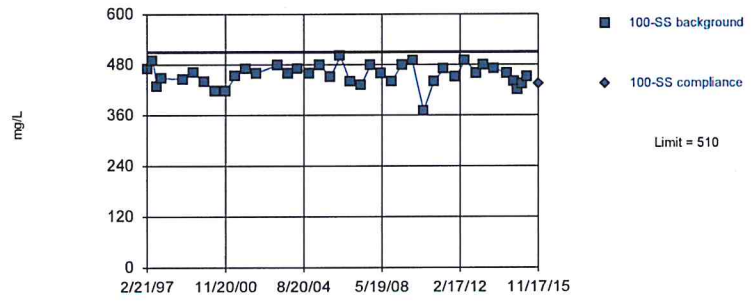
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 150 (11/19/2002).

Constituent: Hardness Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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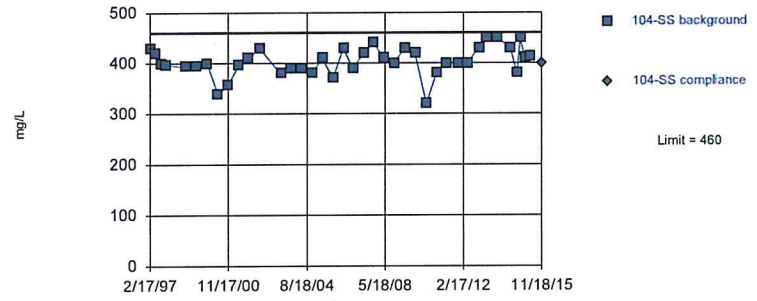
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 130 (11/19/2002).

Constituent: Hardness Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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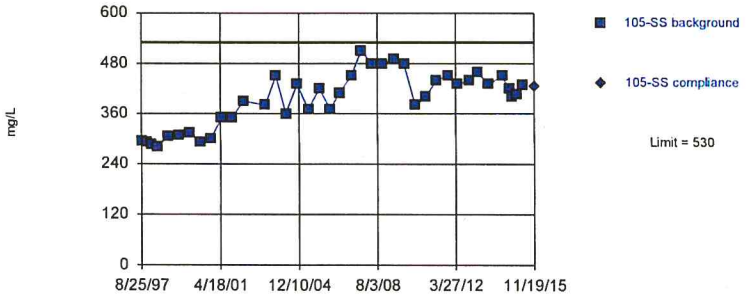
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 130 (11/19/2002).

Constituent: Hardness Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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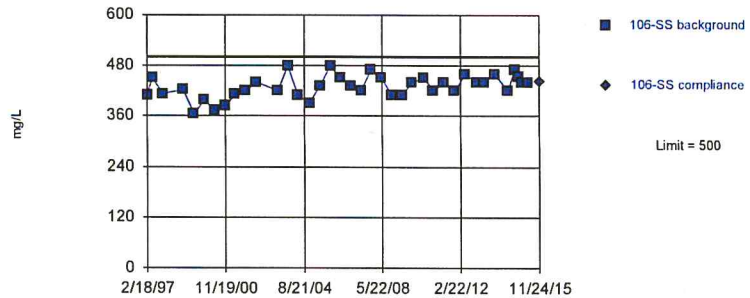
Within Limit

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 = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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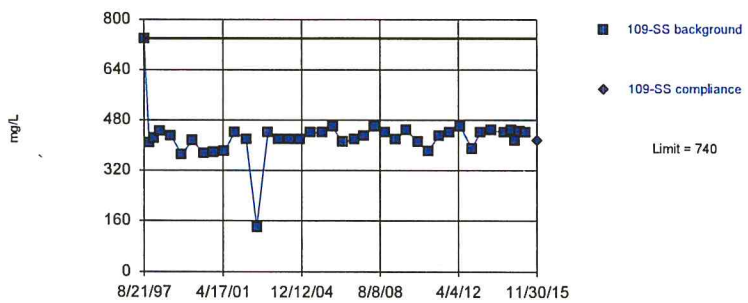
Within Limit

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: Hardness Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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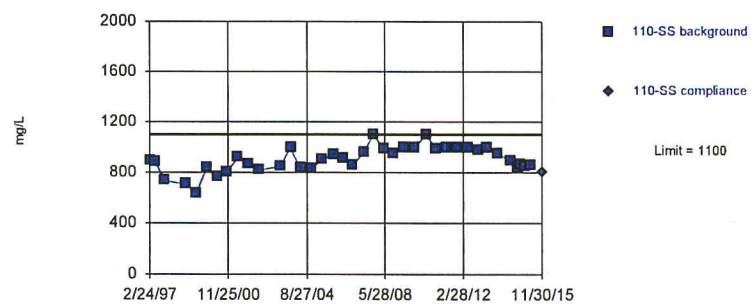
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=828828, Std. Dev.=178557, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9687, critical = 0.916. Kappa = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. Two background outliers were removed: 437 (8/22/1997); 270 (11/19/2002).

Constituent: Hardness Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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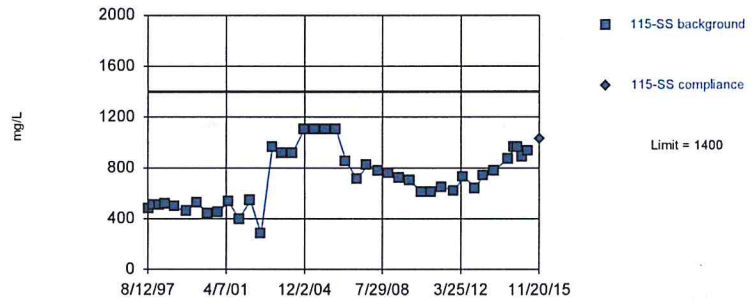
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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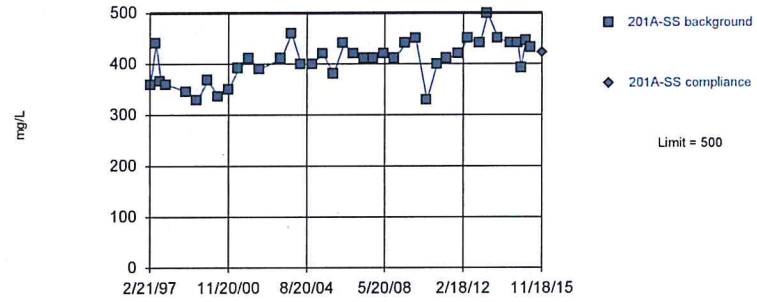
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 120 (11/19/2002).

Constituent: Hardness Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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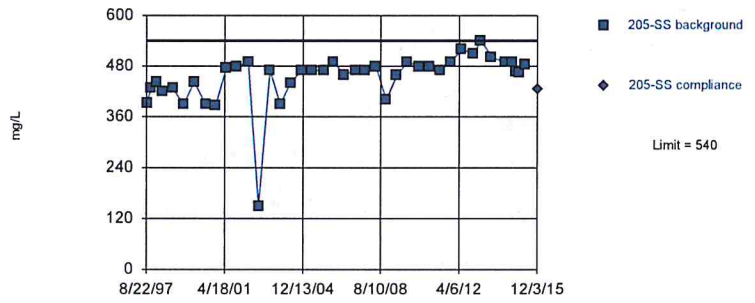
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Hardness Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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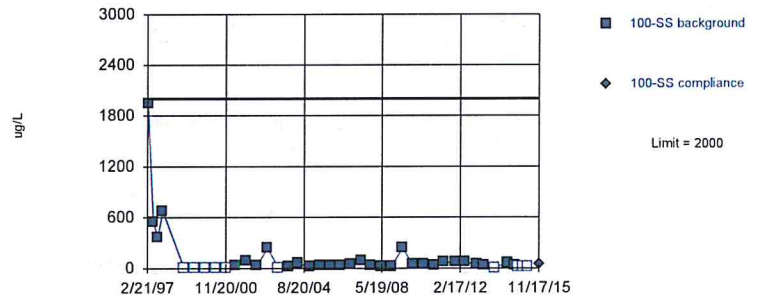
Hollow symbols indicate censored values.

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. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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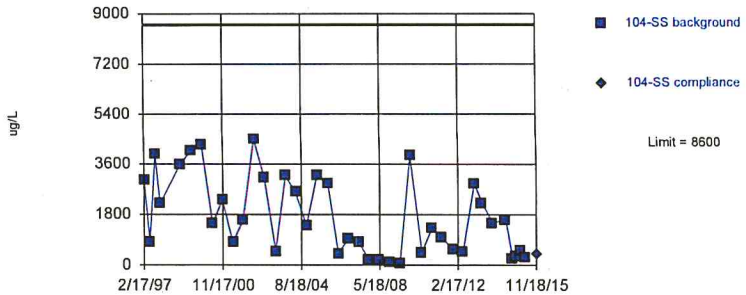
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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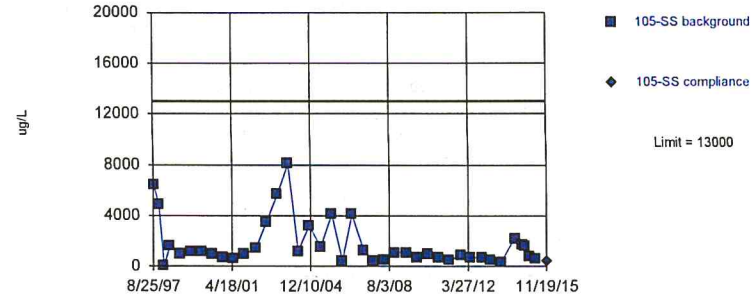
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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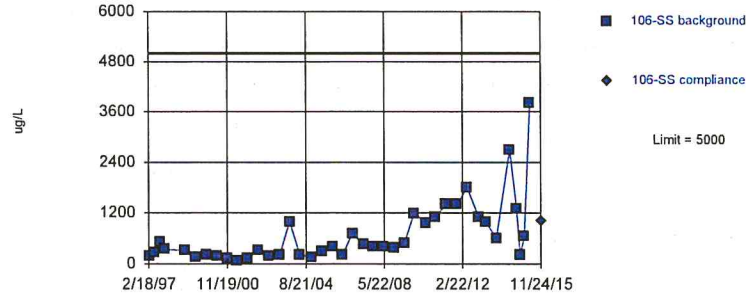
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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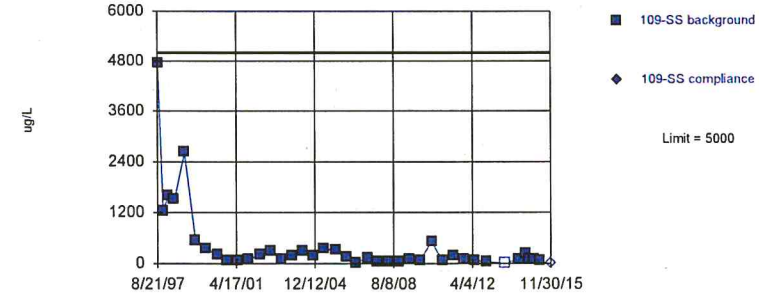
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.098, Std. Dev.=1.304, n=39, 2.564% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9621, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: <3 (4/11/2013).

Constituent: Iron Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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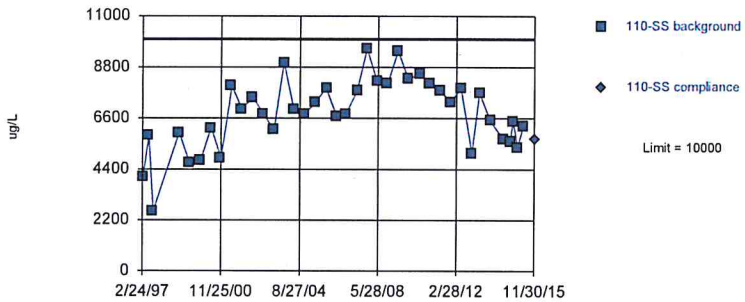
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=4.9e7, Std. Dev.=2.0e7, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9841, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: <18.2 (11/8/1997).

Constituent: Iron Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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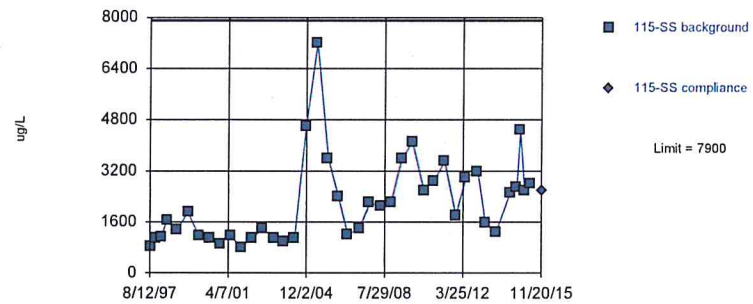
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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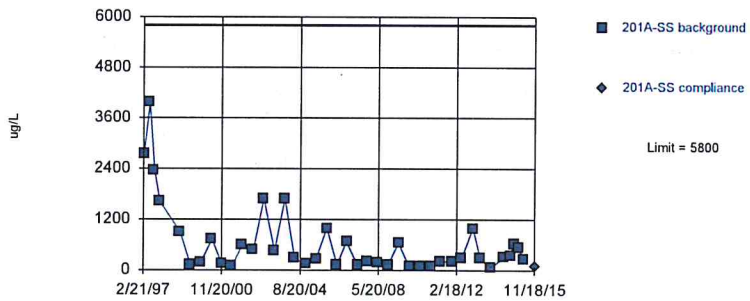
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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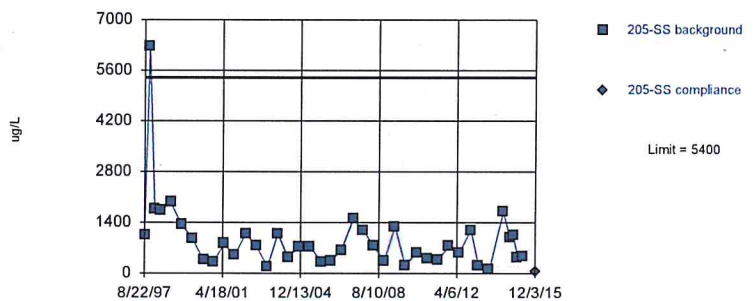
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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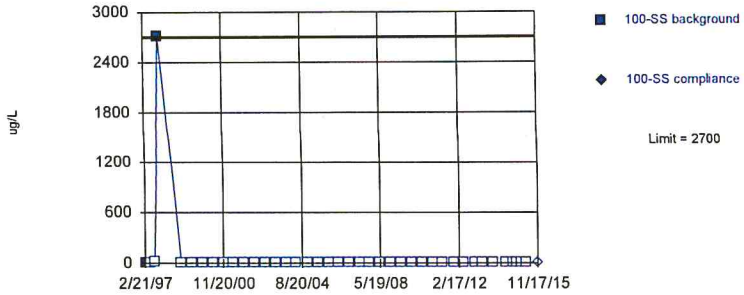
Hollow symbols indicate censored values.

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: Lead Total Analysis Run 1/7/2016 11:54 AM

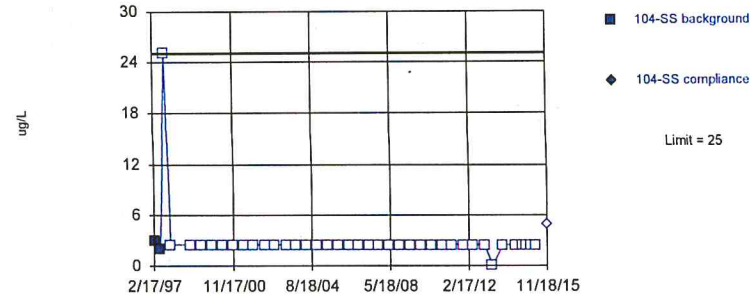
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:54 AM

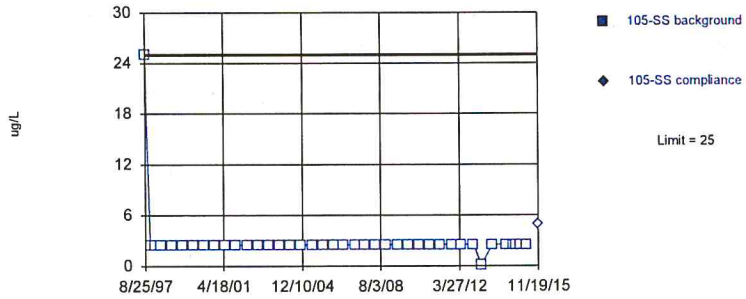
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:54 AM

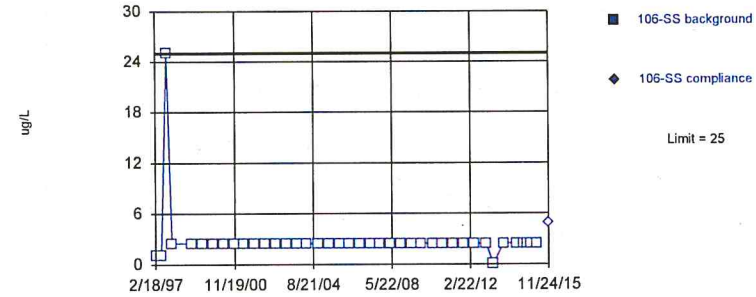
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:54 AM

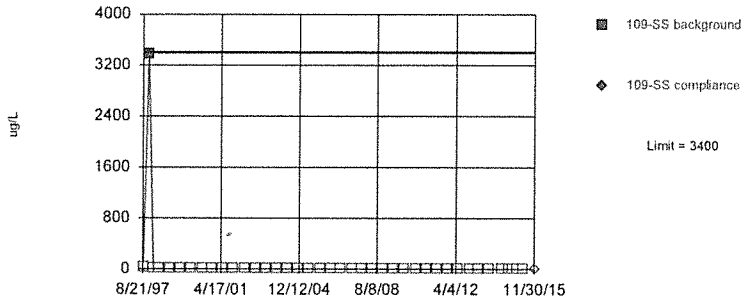
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

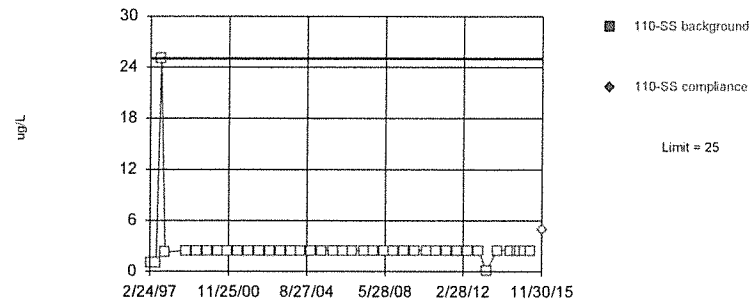
Constituent: Lead Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

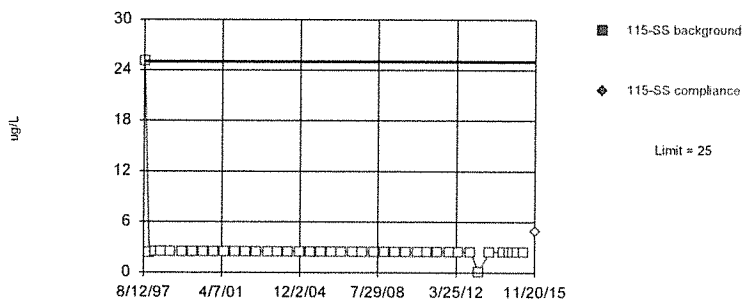
Constituent: Lead Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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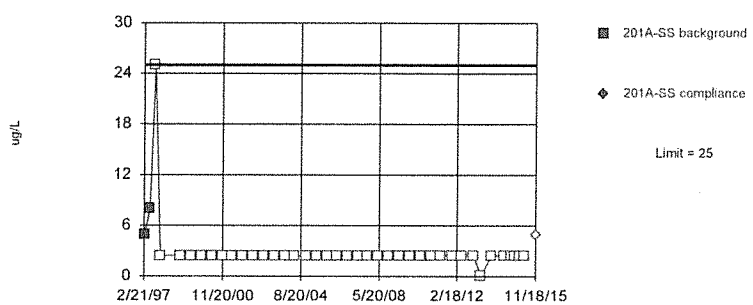
Hollow symbols indicate censored values.

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: Lead Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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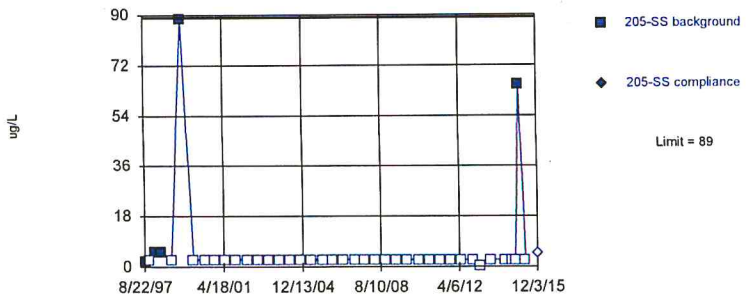
Hollow symbols indicate censored values.

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: Lead Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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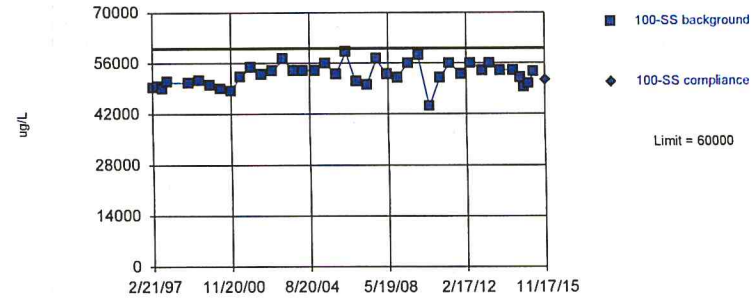
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Magnesium Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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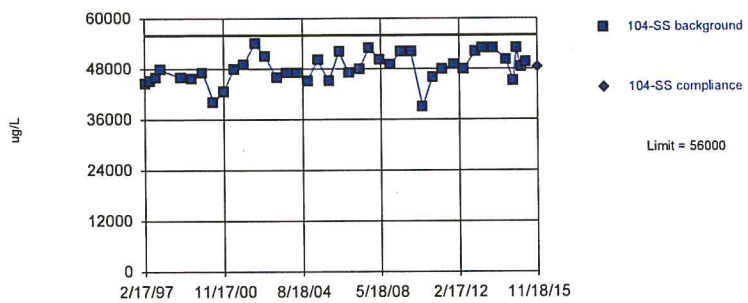
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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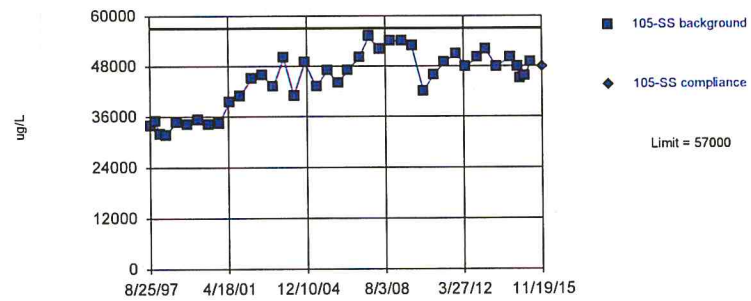
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Magnesium Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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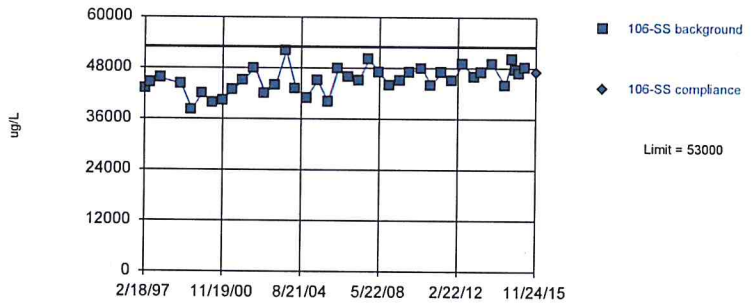
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 28000 (8/25/1997).

Constituent: Magnesium Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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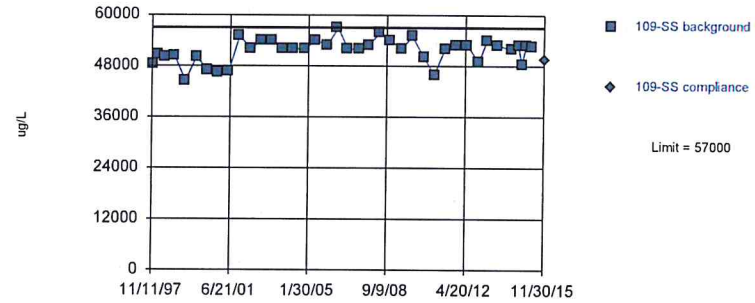
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 74000 (8/21/1997).

Constituent: Magnesium Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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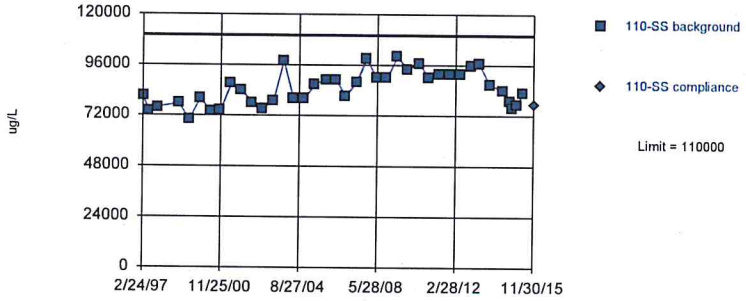
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.35, Std. Dev.=0.09625, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9548, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 51000 (8/22/1997).

Constituent: Magnesium Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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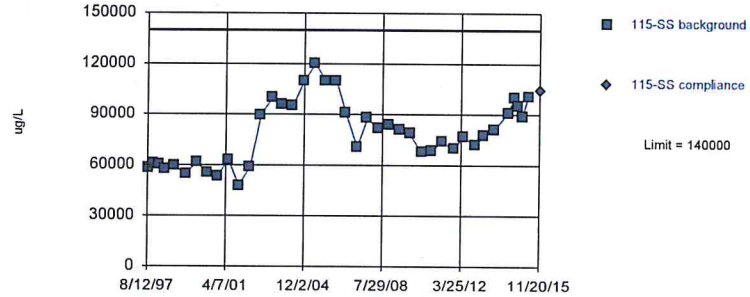
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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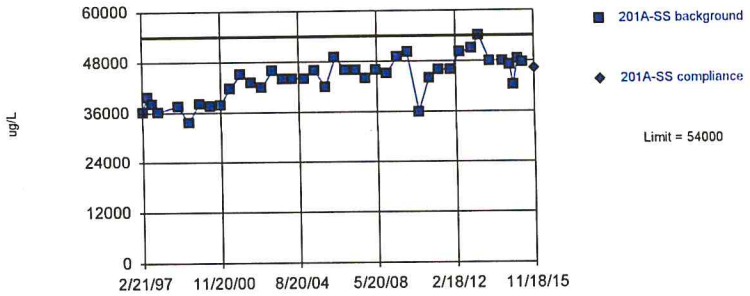
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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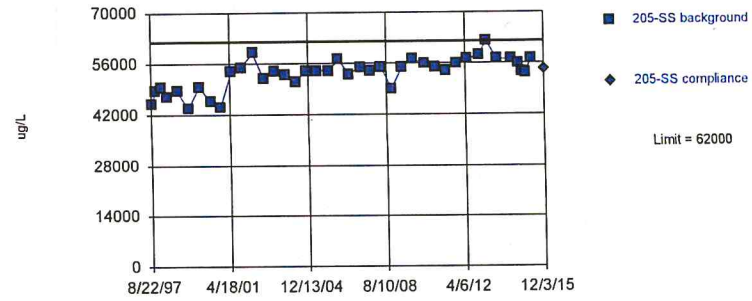
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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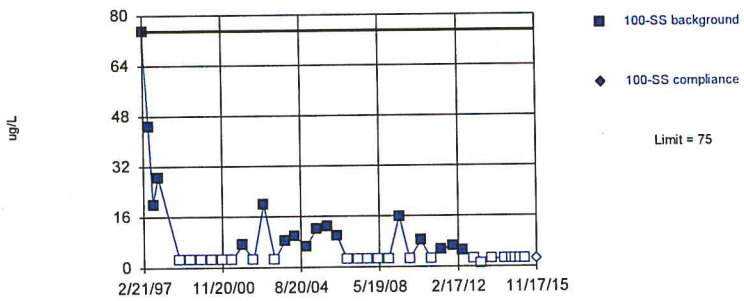
Hollow symbols indicate censored values.

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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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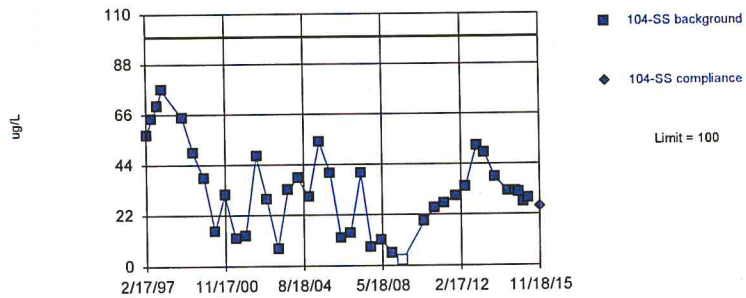
Hollow symbols indicate censored values.

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 160 (11/4/2009).

Constituent: Manganese Total Analysis Run 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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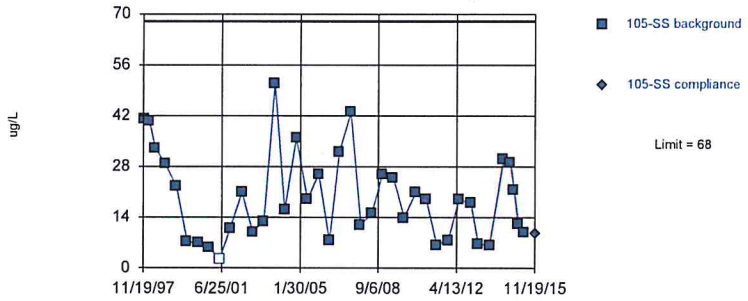
Hollow symbols indicate censored values.

Within 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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 240 (8/25/1997).

Constituent: Manganese Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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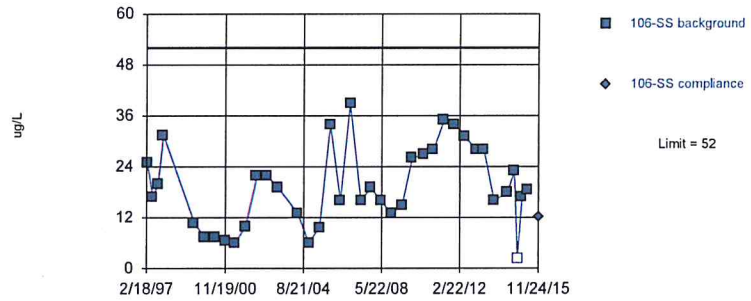
Hollow symbols indicate censored values.

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 = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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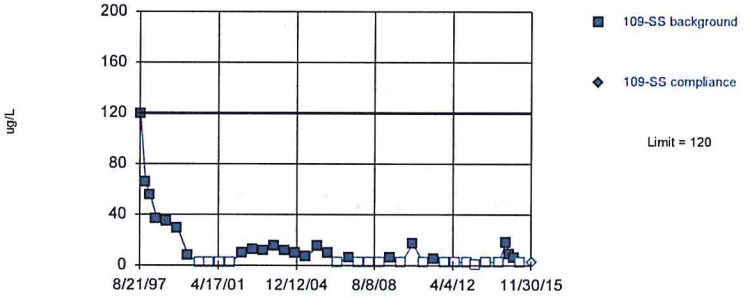
Hollow symbols indicate censored values.

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 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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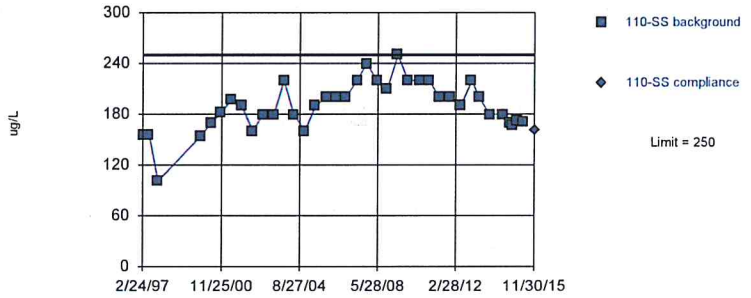
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=36863, Std. Dev.=10568, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9697, critical = 0.914. Kappa = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. Three background outliers were removed: 20 (8/22/1997); 70.8 (11/13/1998); 54.5 (5/18/1999).

Constituent: Manganese Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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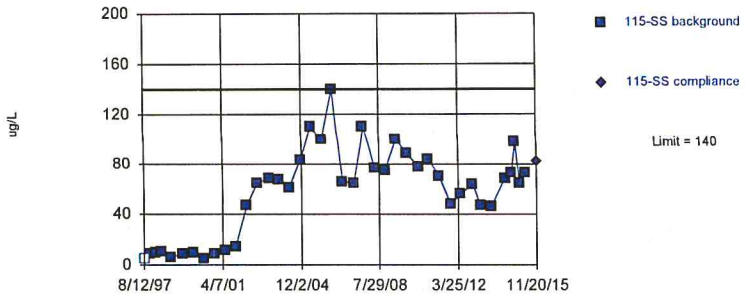
Hollow symbols indicate censored values.

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. 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 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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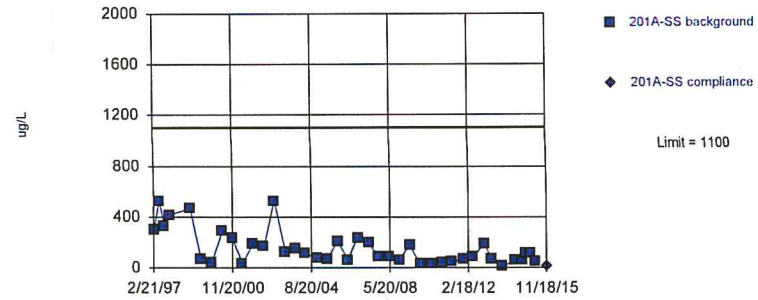
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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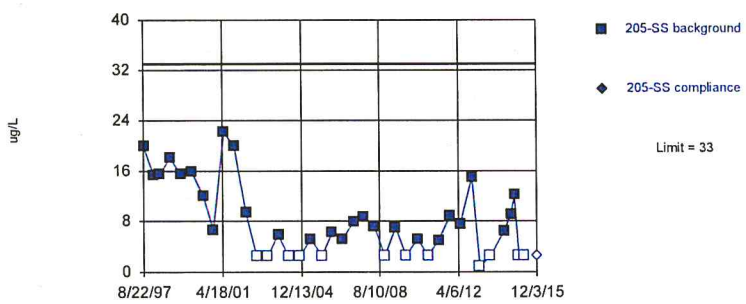
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.78, Std. Dev.=0.54, n=39, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9305, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 101 (11/8/1997).

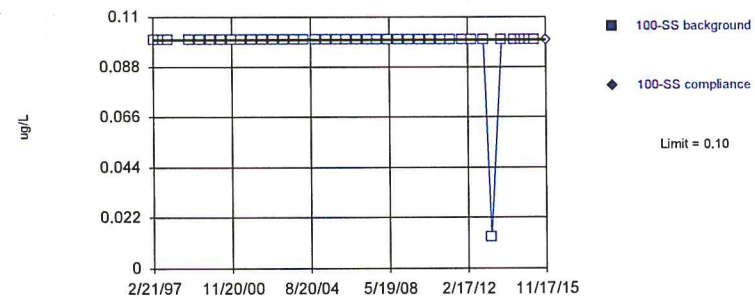
Constituent: Manganese Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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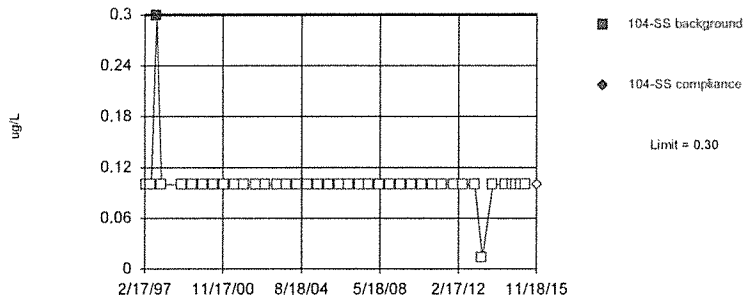
Hollow symbols indicate censored values.

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: Mercury Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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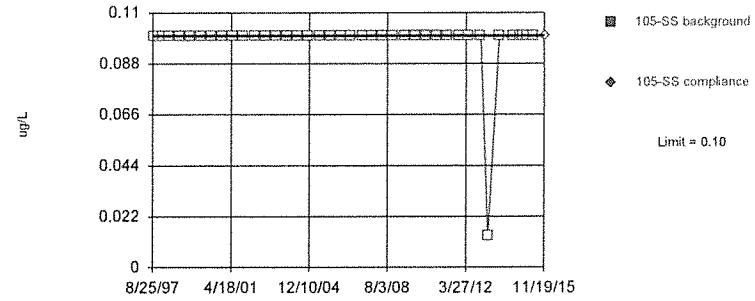
Hollow symbols indicate censored values.

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. 100% 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.

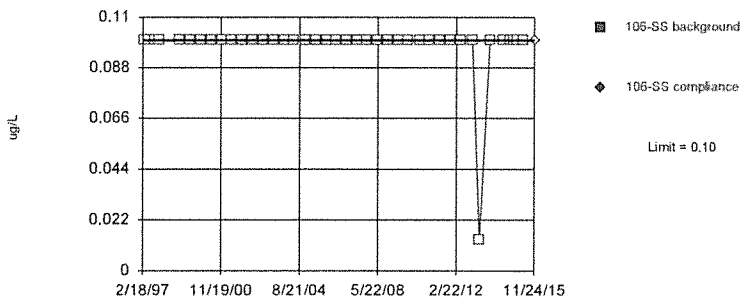
Constituent: Mercury Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

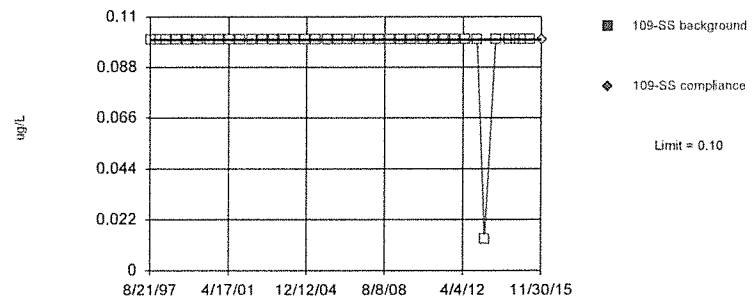
Constituent: Mercury Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

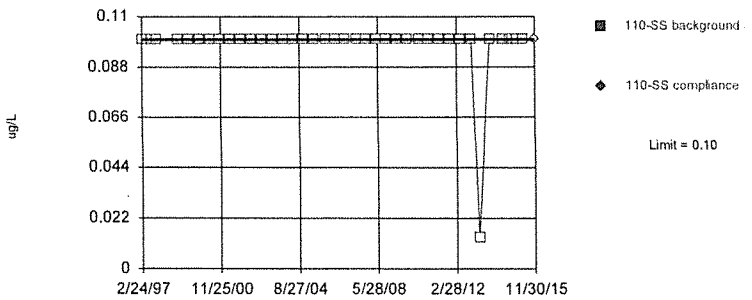
Constituent: Mercury Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

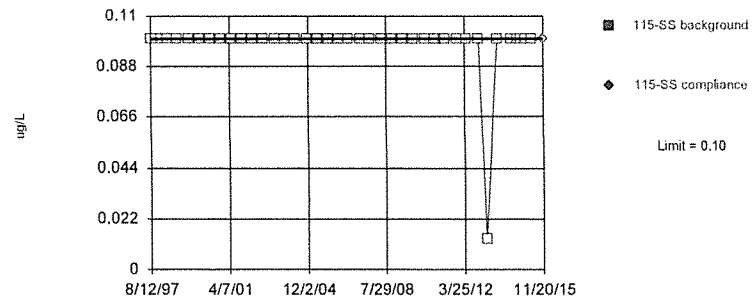
Constituent: Mercury Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

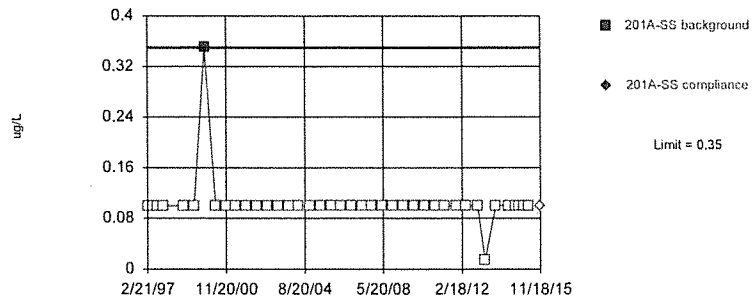
Constituent: Mercury Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

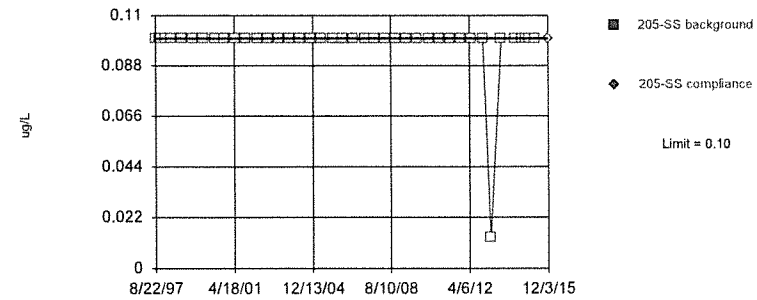
Constituent: Mercury Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

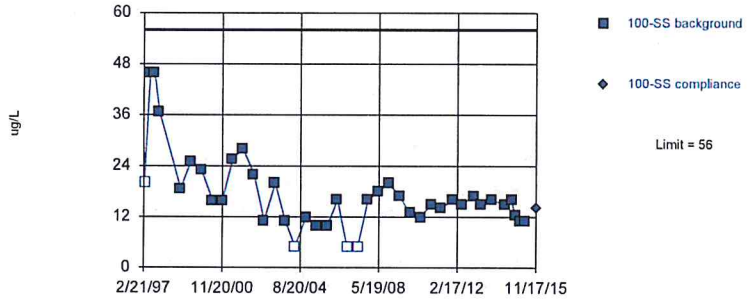
Constituent: Mercury Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

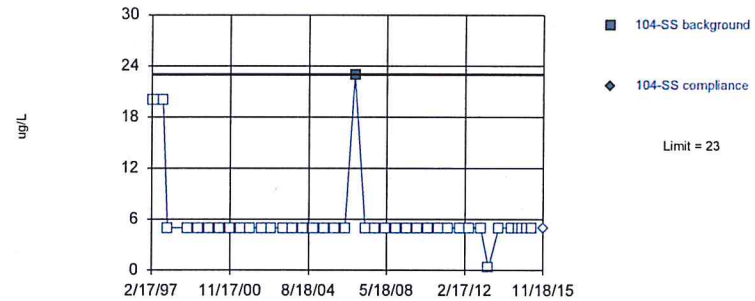
Constituent: Nickel Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

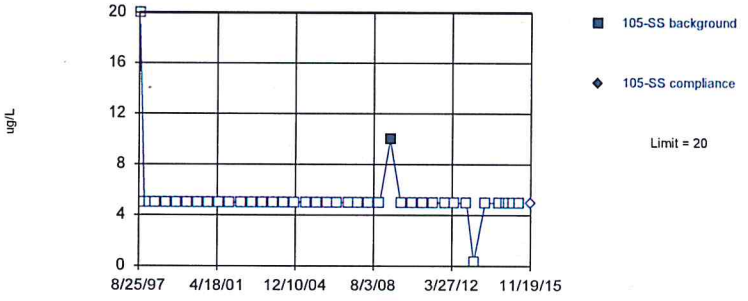
Constituent: Nickel Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

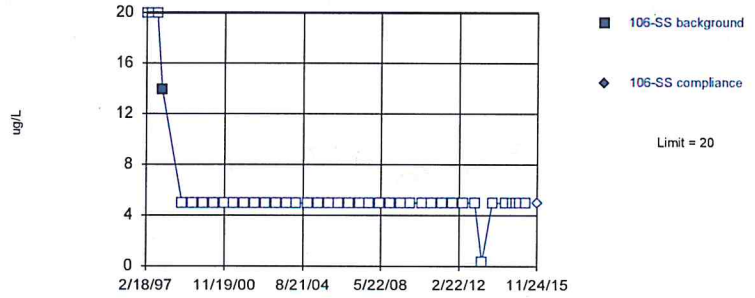
Constituent: Nickel Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

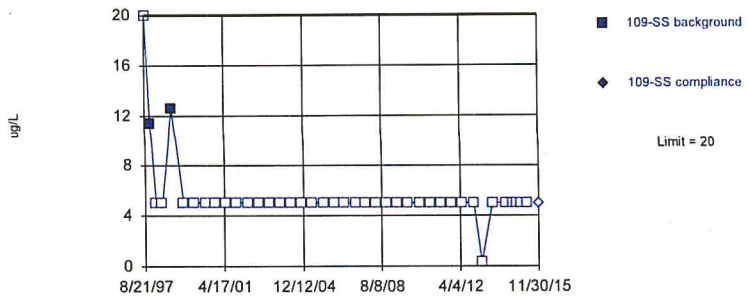
Constituent: Nickel Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:54 AM

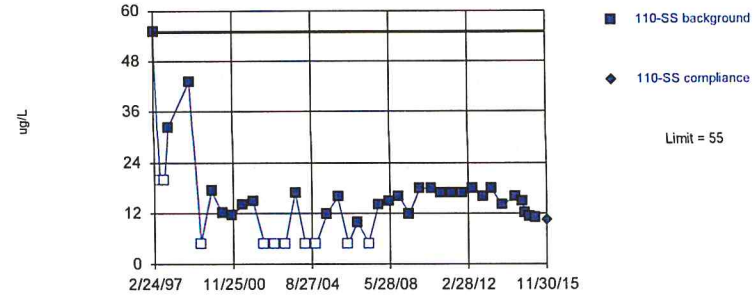
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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: Nickel Total Analysis Run 1/7/2016 11:54 AM

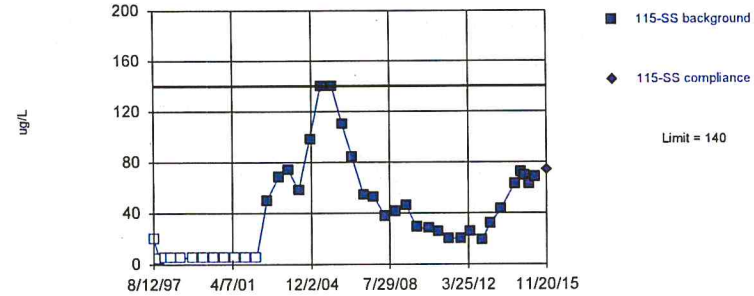
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:54 AM

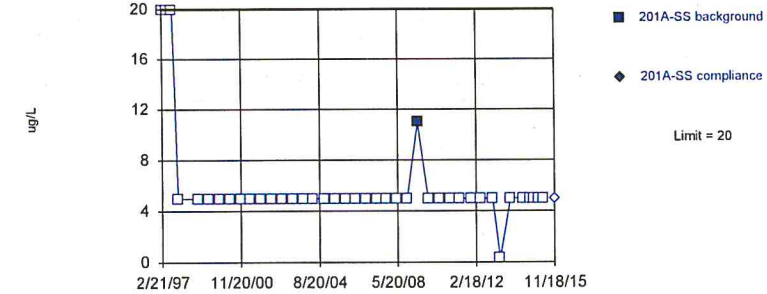
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:54 AM

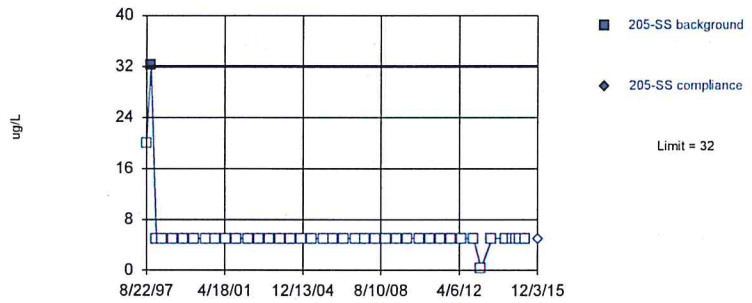
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

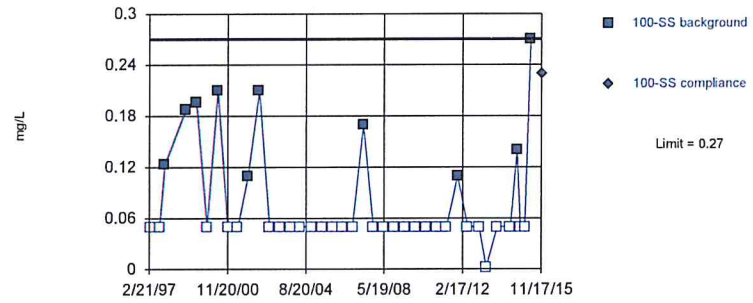
Constituent: Nickel Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

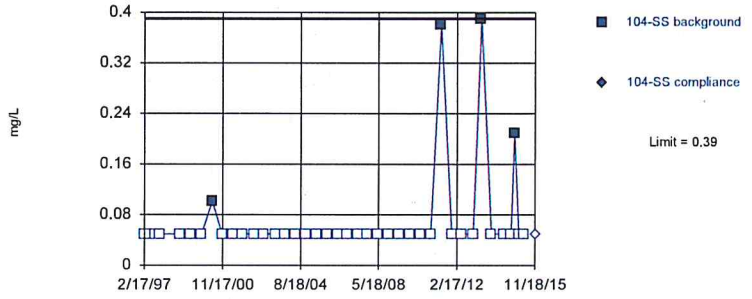
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

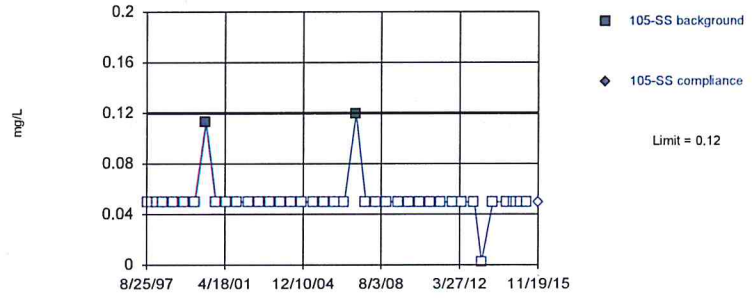
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

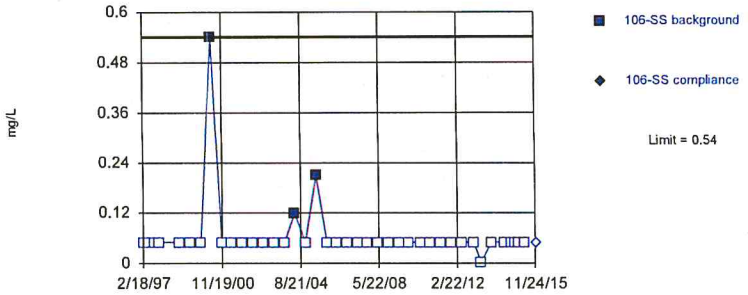
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

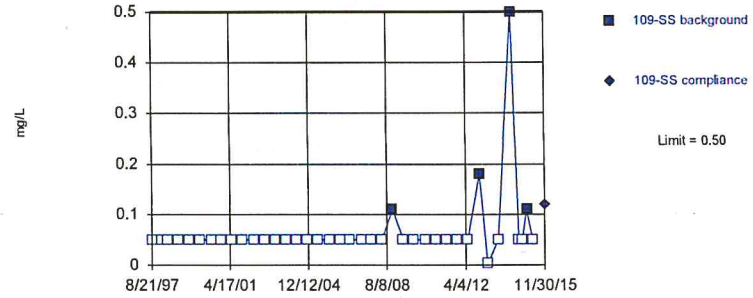
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

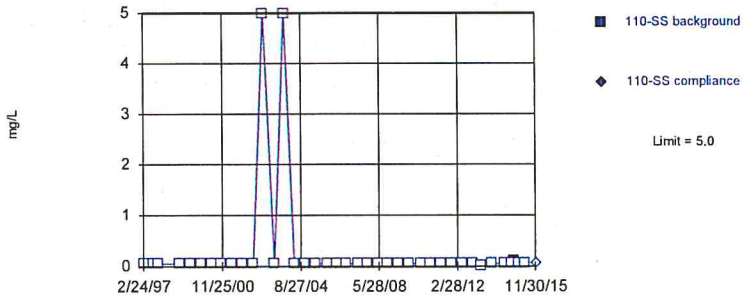
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

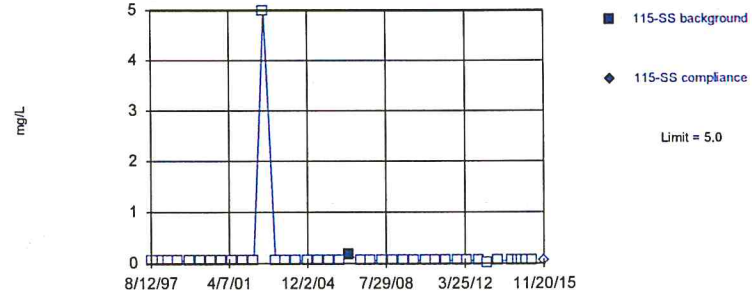
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

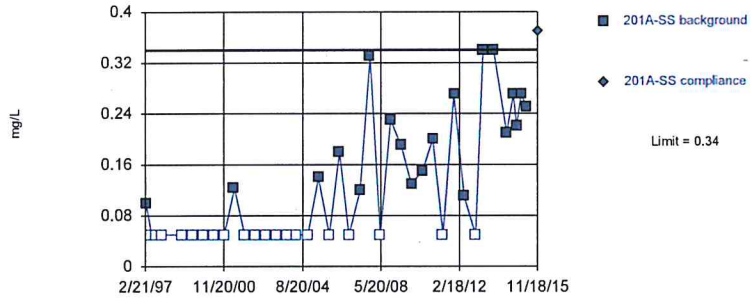
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

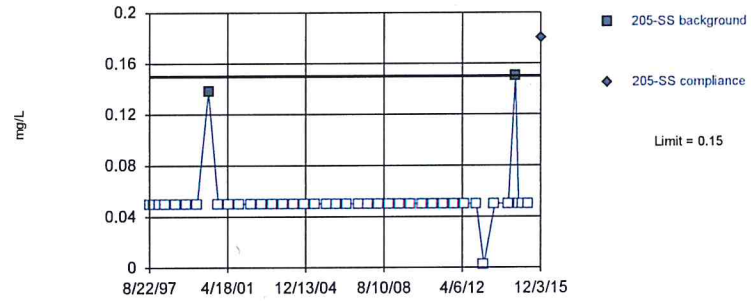
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 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.

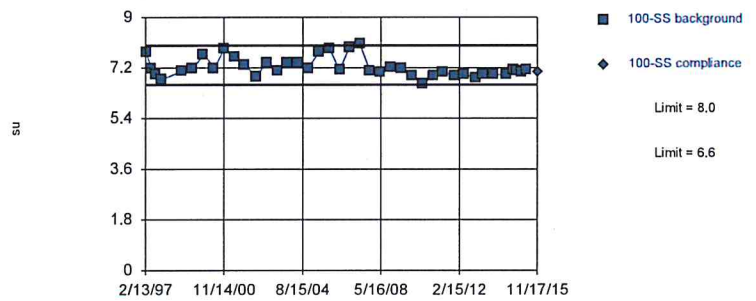
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

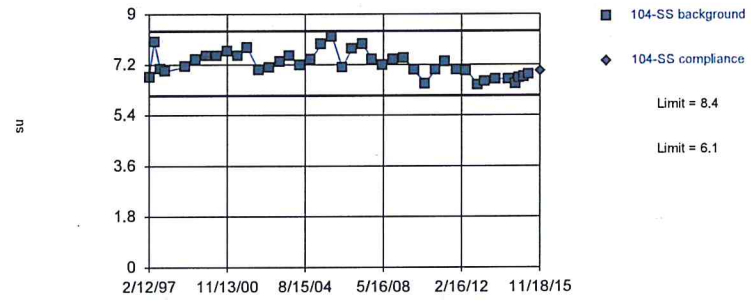
Constituent: pH [Field] Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

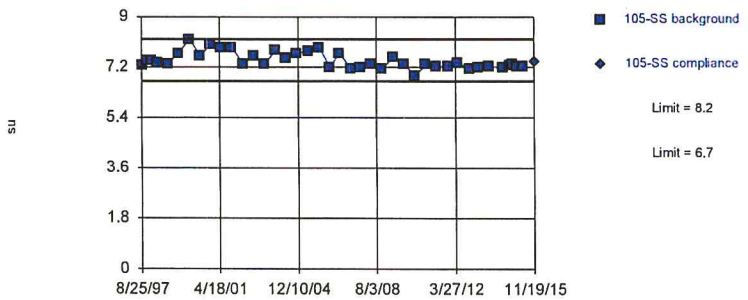
Constituent: pH [Field] Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

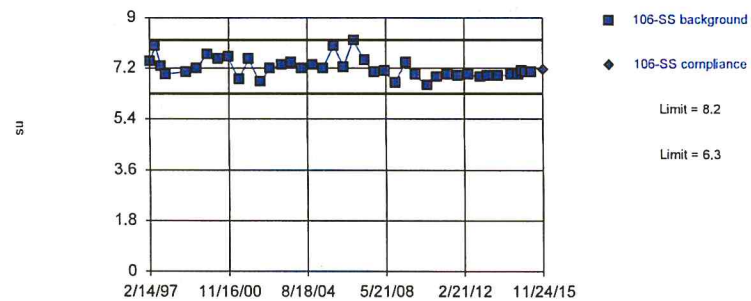
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

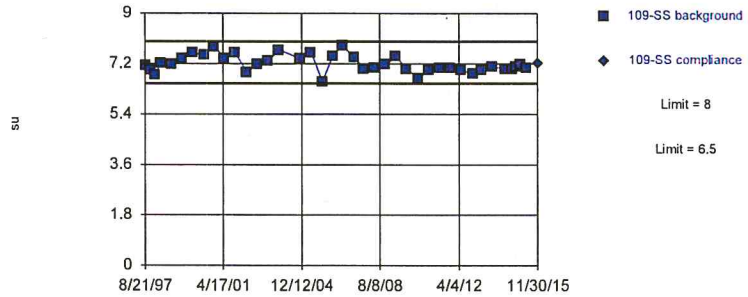
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

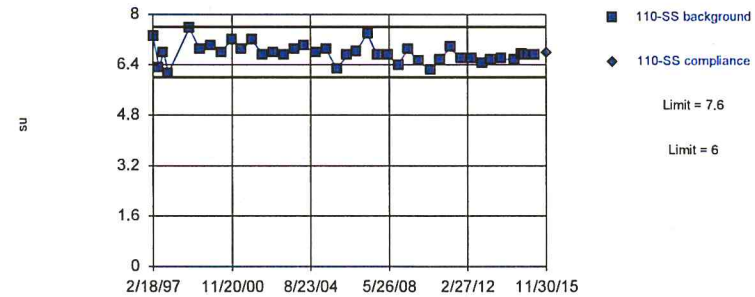
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.=0.04443, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9747, critical = 0.919. Kappa = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

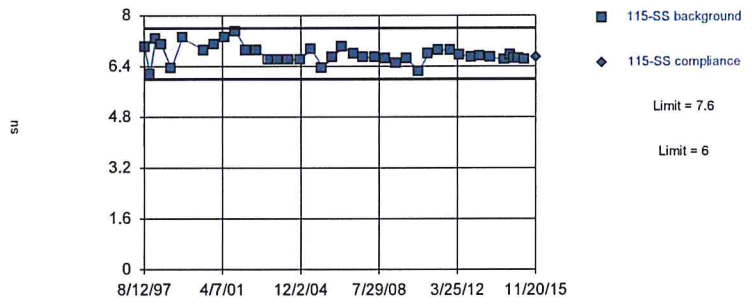
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

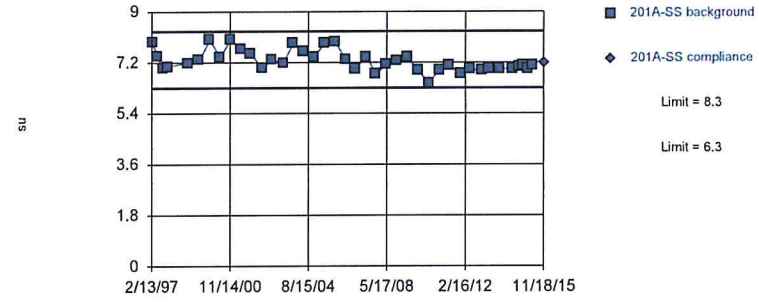
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

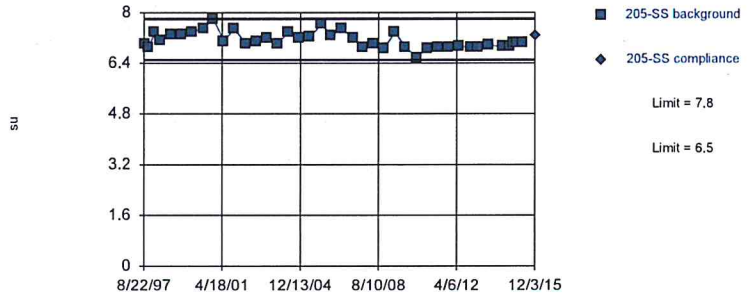
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:54 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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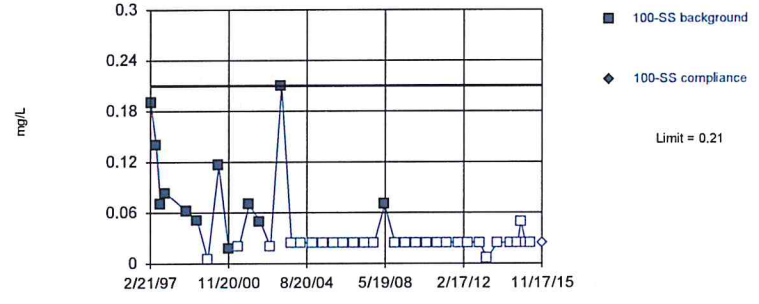
Hollow symbols indicate censored values.

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. 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 1/7/2016 11:54 AM

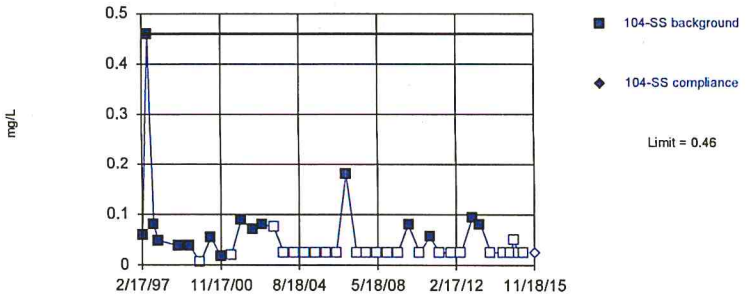
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

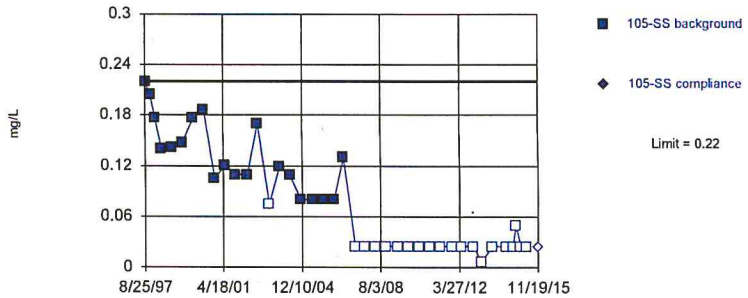
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

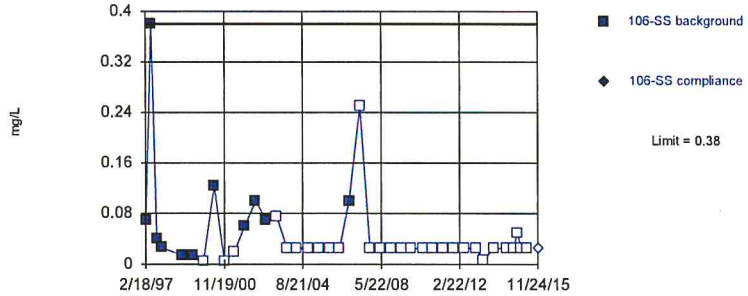
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

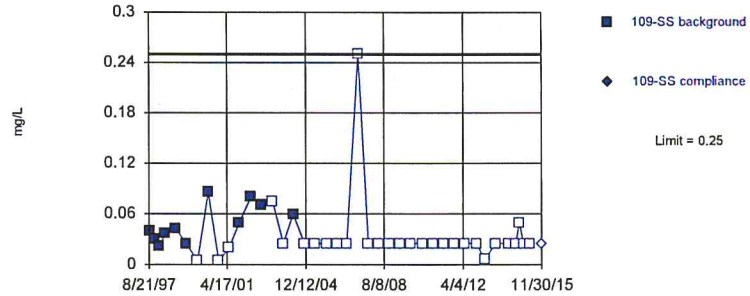
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:54 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

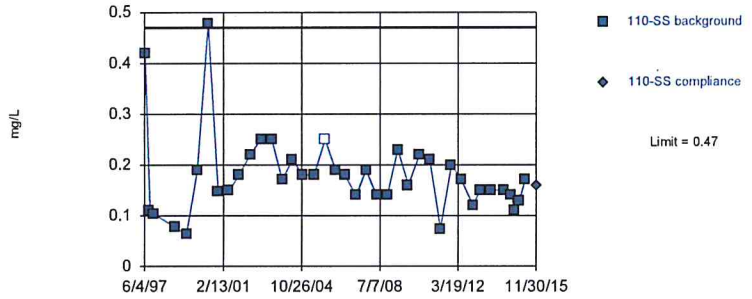
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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=-1.798, Std. Dev.=0.3985, n=39, 2.564% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.957, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 1.4 (2/24/1997).

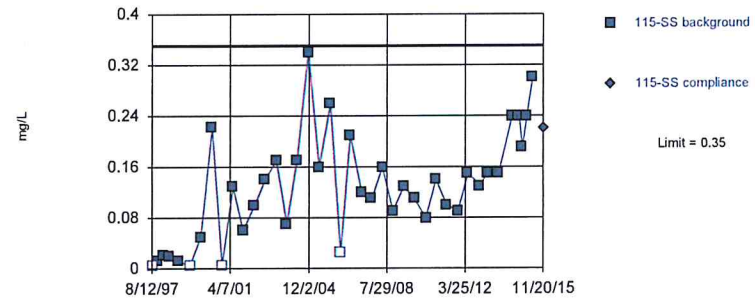
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

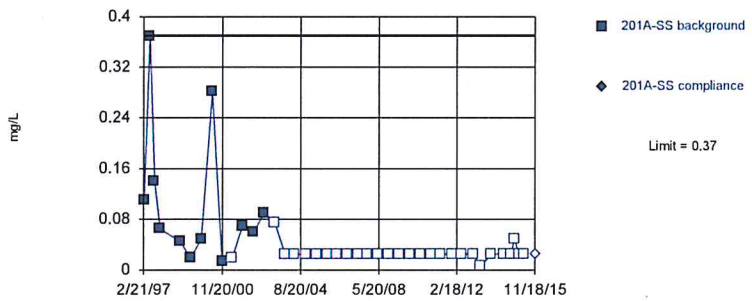
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

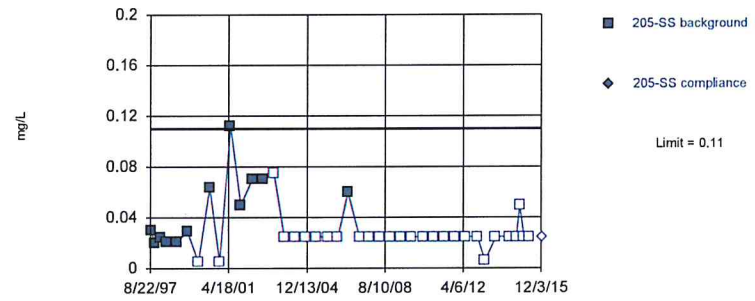
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

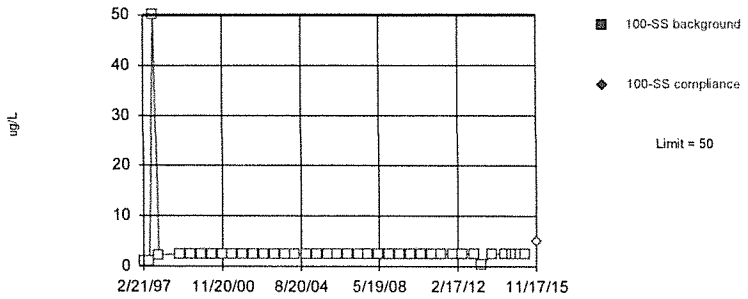
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

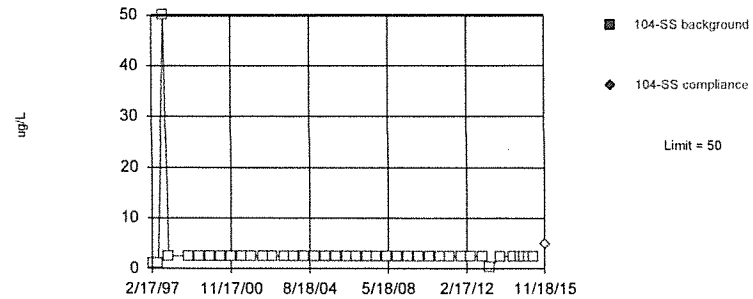
Constituent: Selenium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

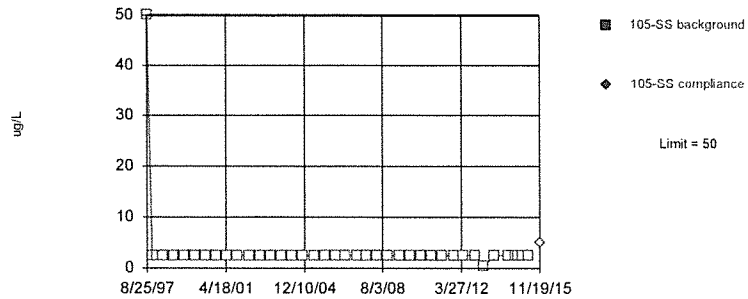
Constituent: Selenium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

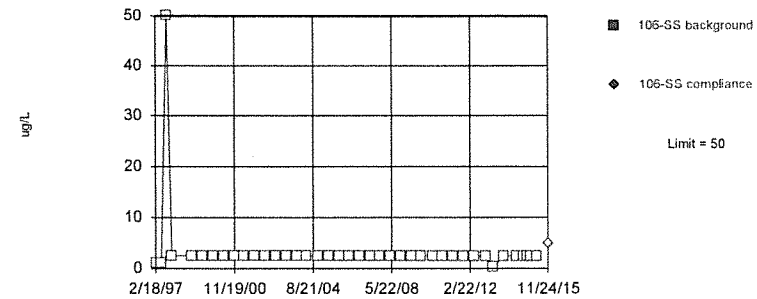
Constituent: Selenium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

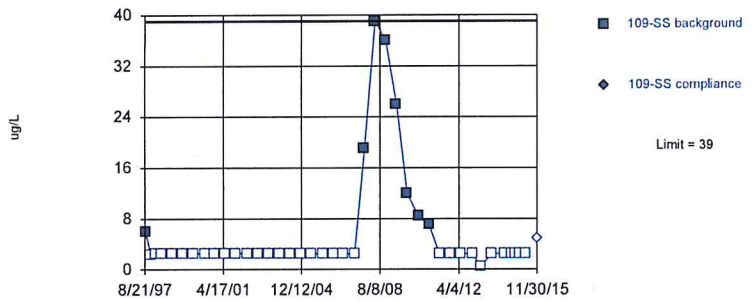
Constituent: Selenium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

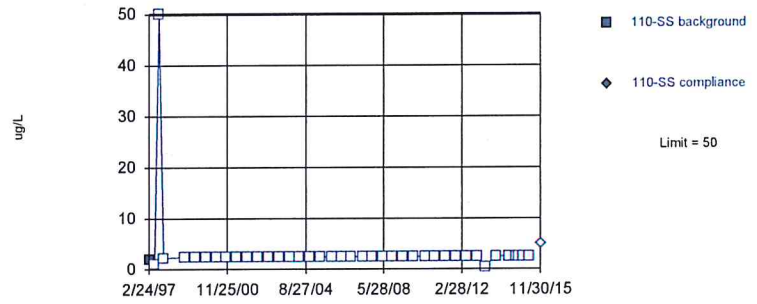
Constituent: Selenium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

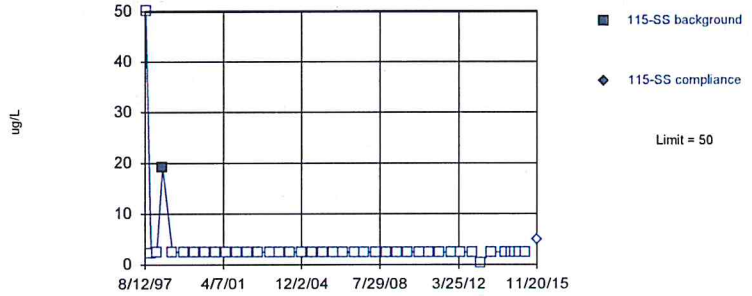
Constituent: Selenium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

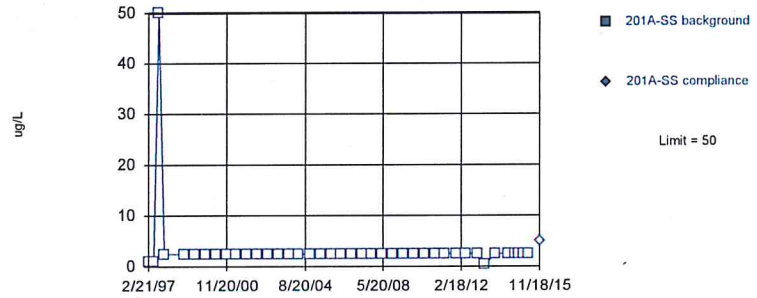
Constituent: Selenium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

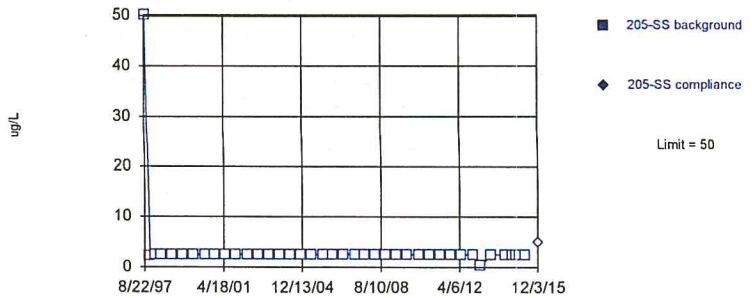
Constituent: Selenium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:55 AM

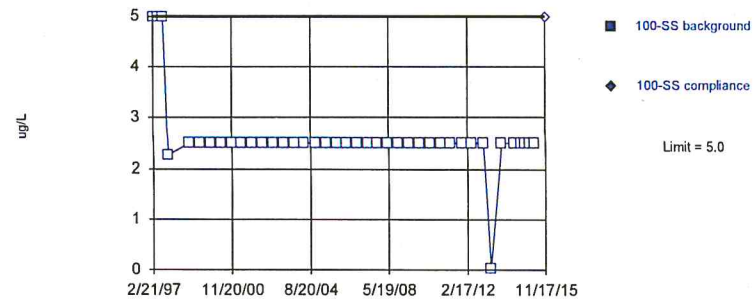
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:55 AM

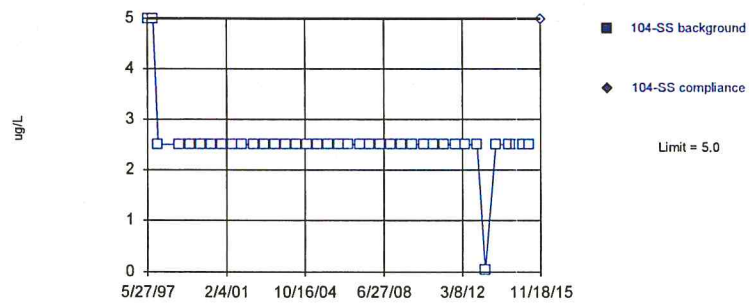
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 39 background values. 100% 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: Silver Total Analysis Run 1/7/2016 11:55 AM

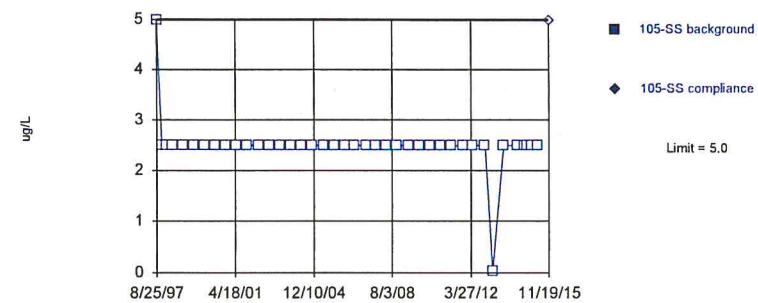
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:55 AM

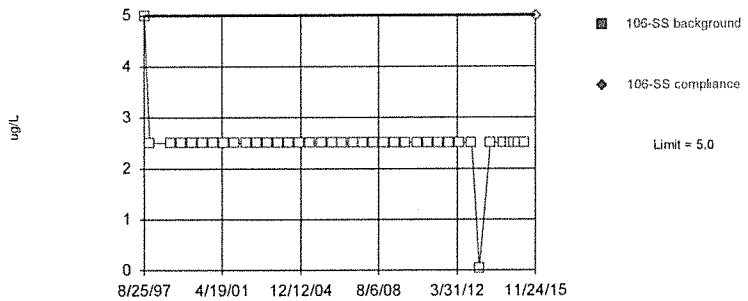
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v 9.5.20 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 38 background values. 100% NDs. 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.

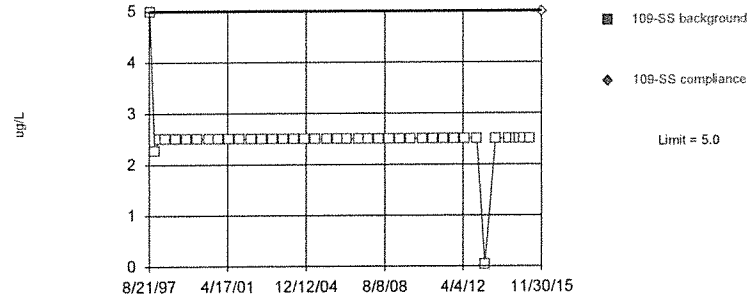
Constituent: Silver Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v 9.5.20 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. 100% 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.

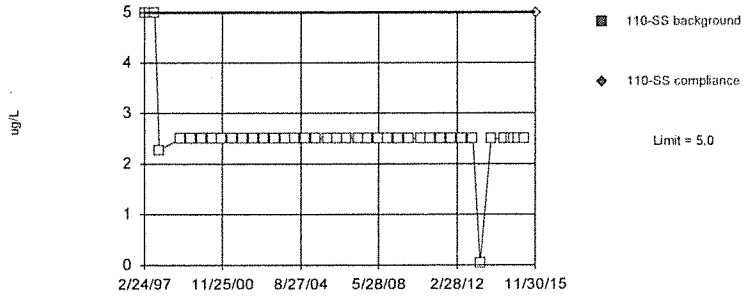
Constituent: Silver Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v 9.5.20 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. 100% 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.

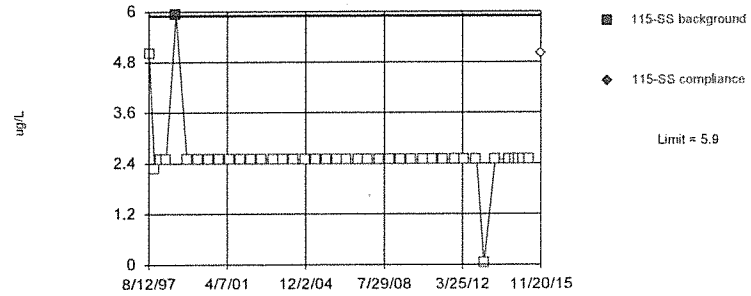
Constituent: Silver Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v 9.5.20 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.

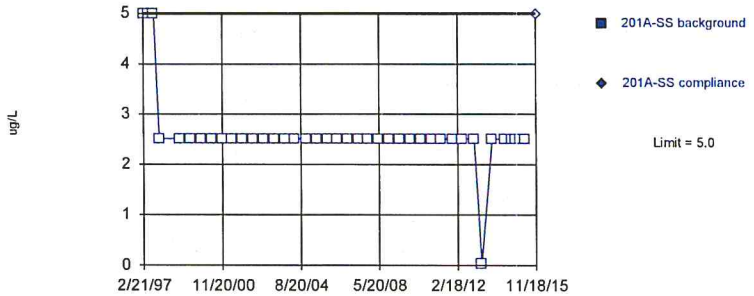
Constituent: Silver Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

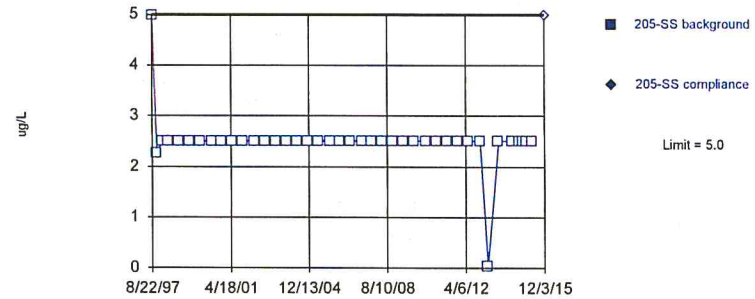
Constituent: Silver Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

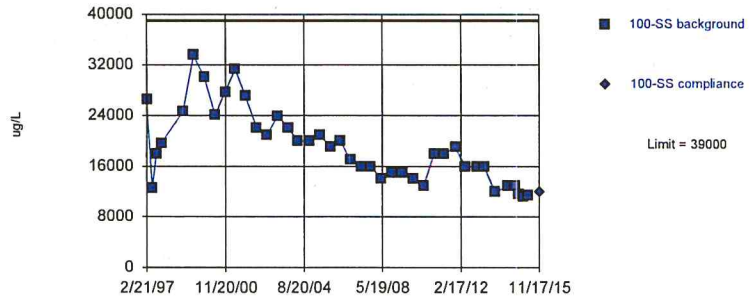
Constituent: Silver Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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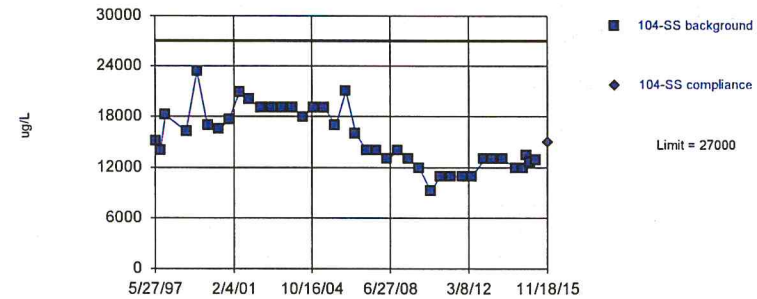
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 34800 (2/17/1997).

Constituent: Sodium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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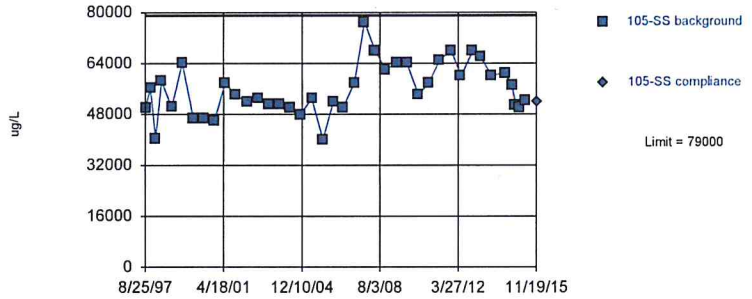
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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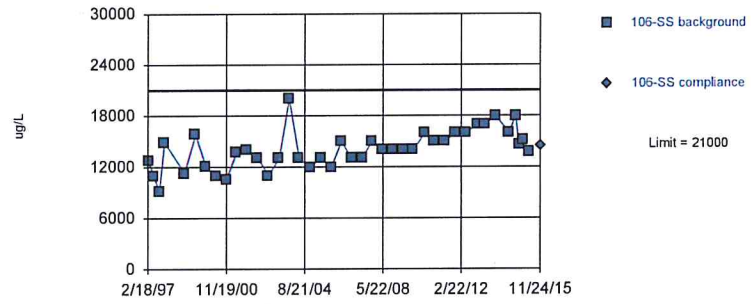
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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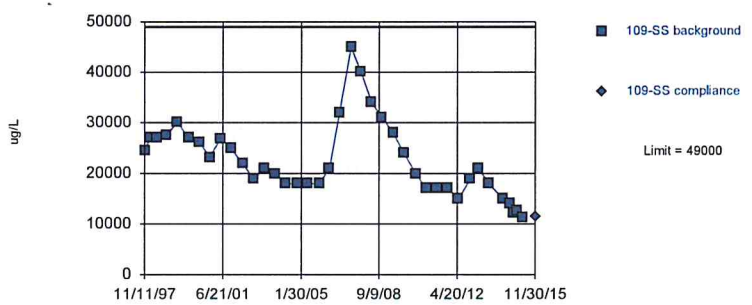
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 68000 (8/21/1997).

Constituent: Sodium Total Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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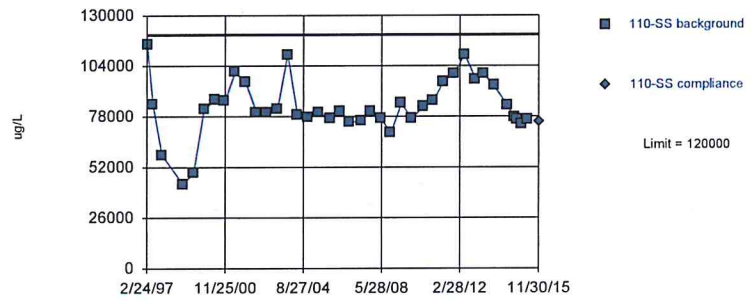
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=83210, Std. Dev.=14554, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9317, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 19000 (8/22/1997).

Constituent: Sodium Total Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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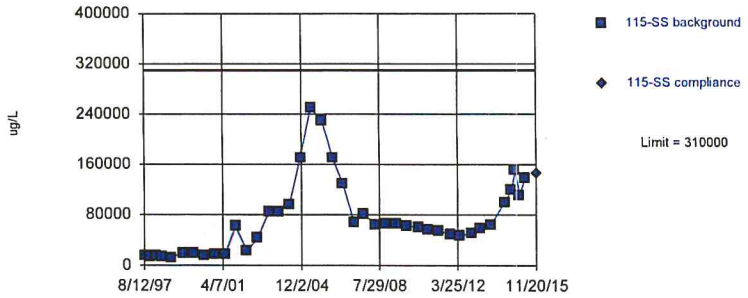
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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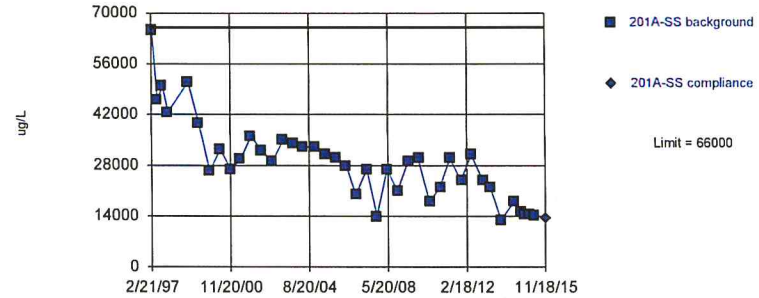
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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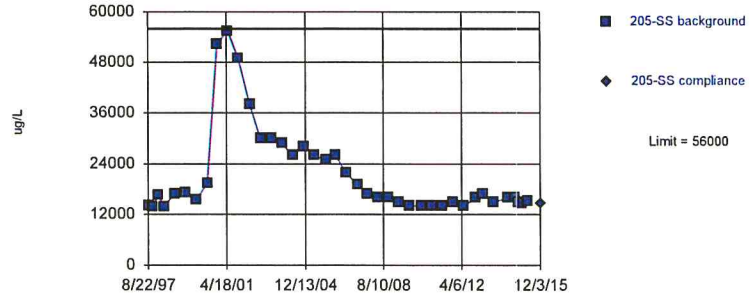
Within Limit

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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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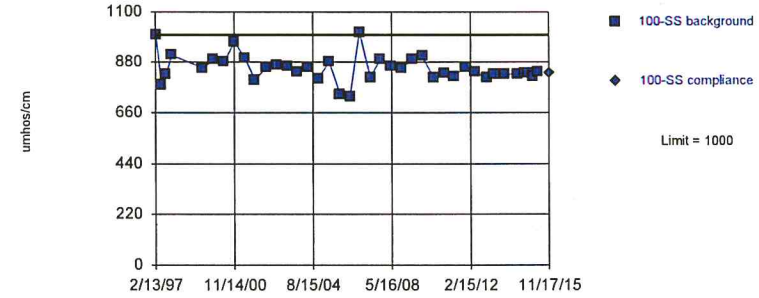
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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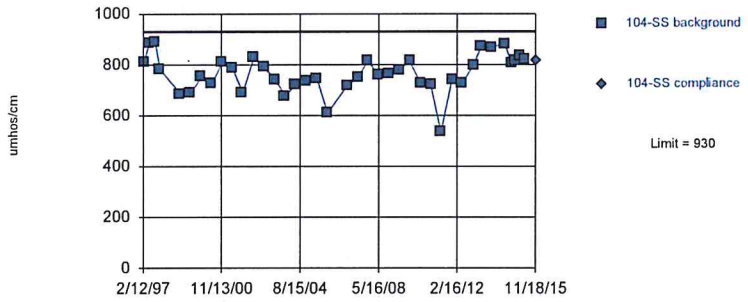
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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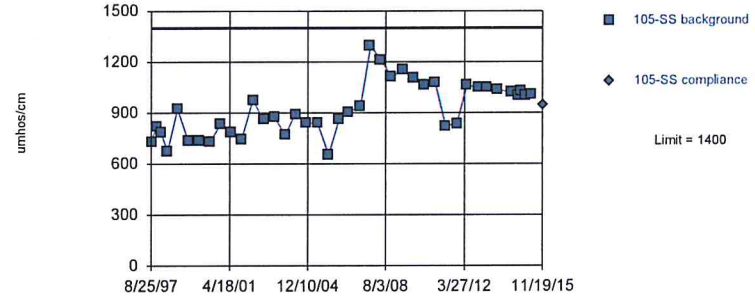
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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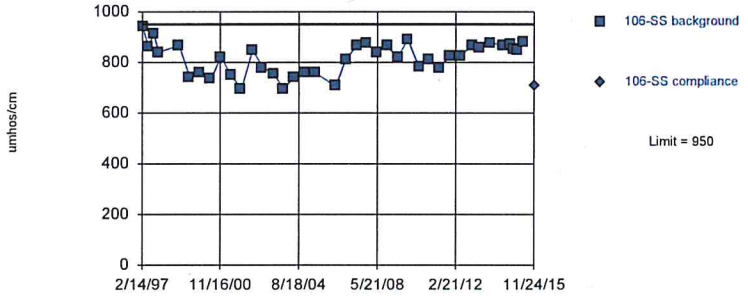
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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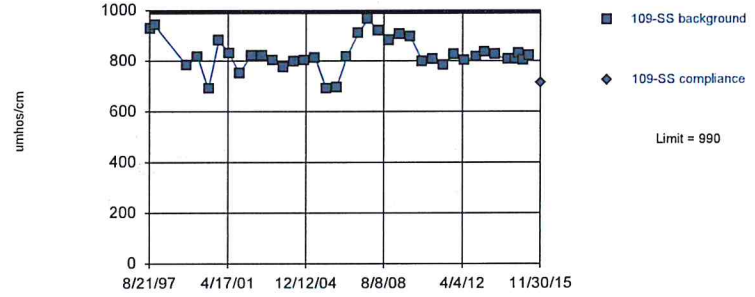
Within Limit

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 = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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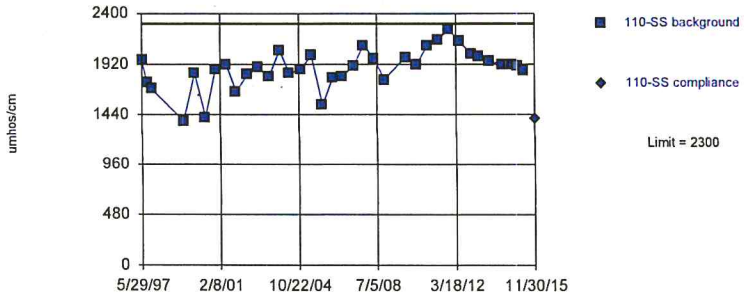
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=6.8e9, Std. Dev.=1.8e9, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9753, critical = 0.914. Kappa = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. Three background outliers were removed: 1010 (2/18/1997); 1240 (11/13/1998); 2930 (5/7/2009).

Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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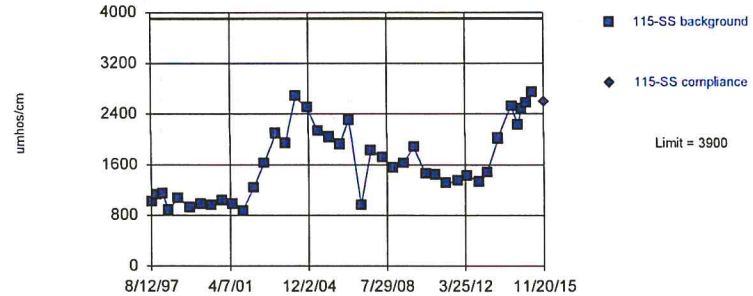
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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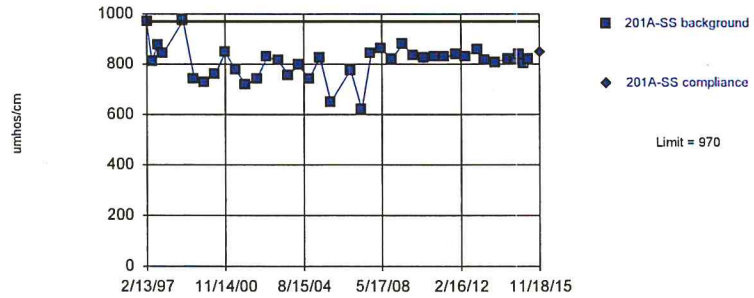
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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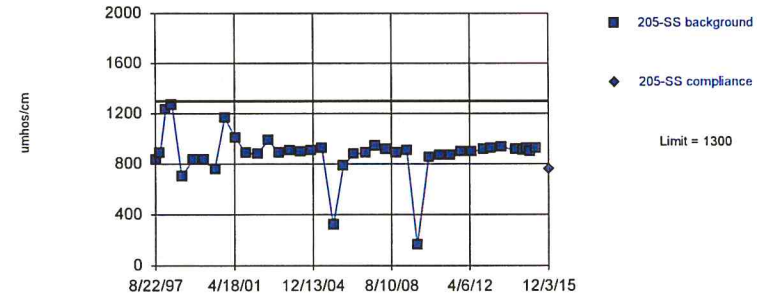
Within Limit

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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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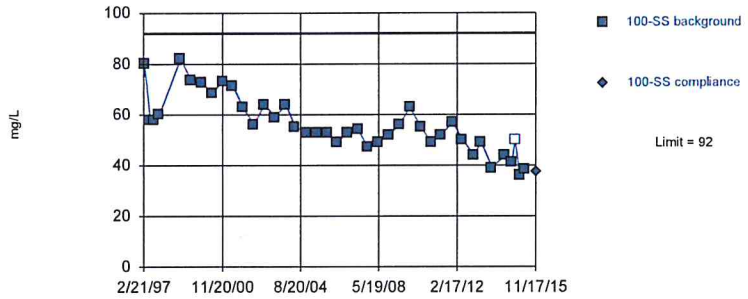
Hollow symbols indicate censored values.

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 as SO4 Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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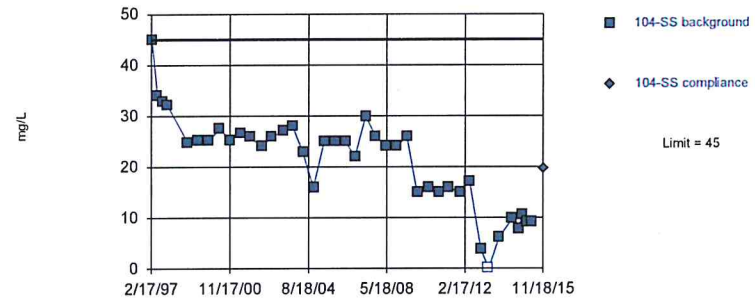
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=21.16, Std. Dev.=9.259, n=40, 2.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9478, critical = 0.919. Kappa = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Distribution was found to be non-normal after removal of suspect values, so outliers could not be indentified.

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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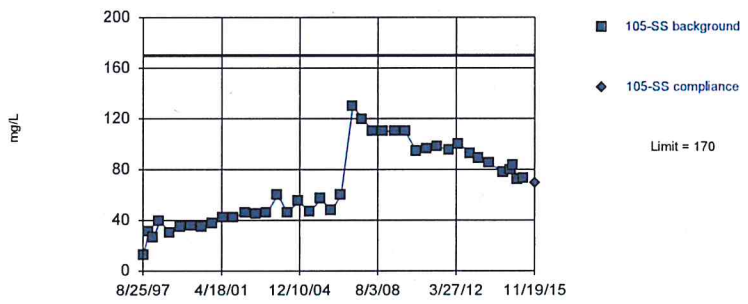
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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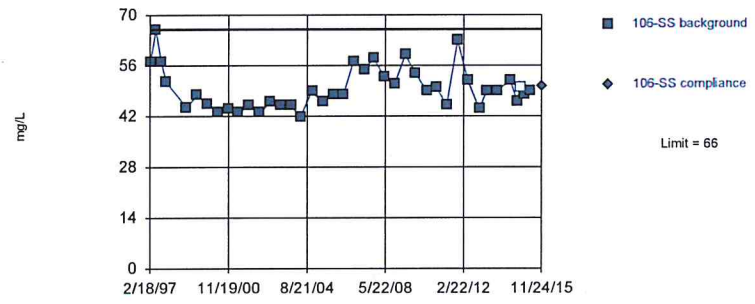
Hollow symbols indicate censored values.

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 as SO4 Analysis Run 1/7/2016 11:55 AM

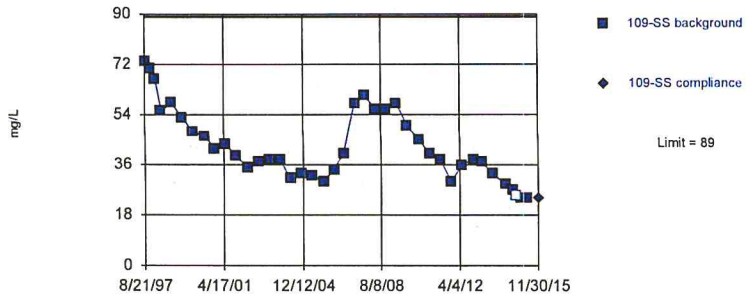
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 as SO4 Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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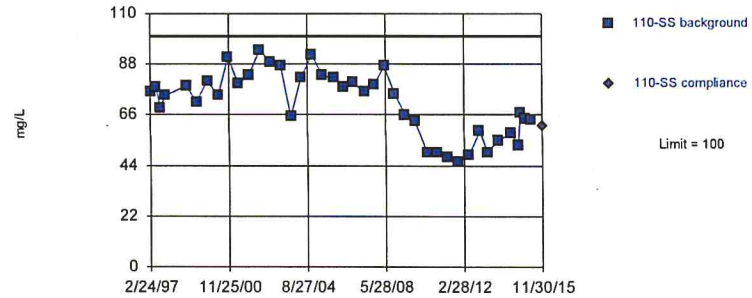
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=5251, Std. Dev.=1909, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.919. Kappa = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 as SO4 Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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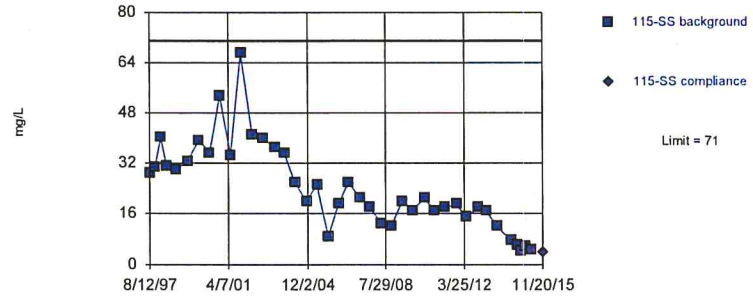
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 as SO4 Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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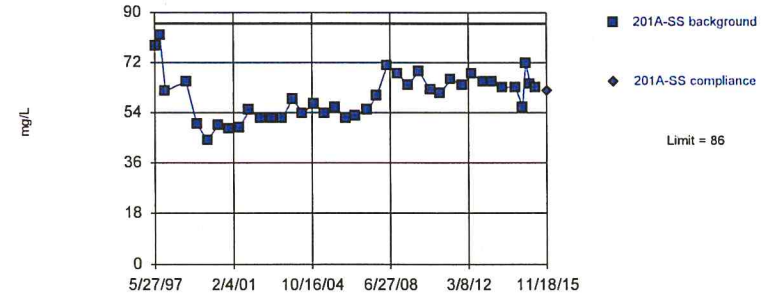
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 99 (2/21/1997).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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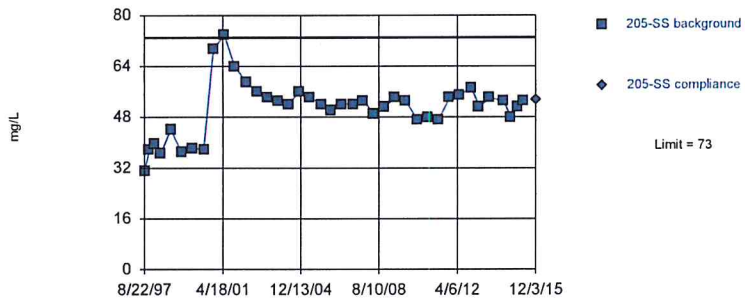
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 109 (11/20/2014).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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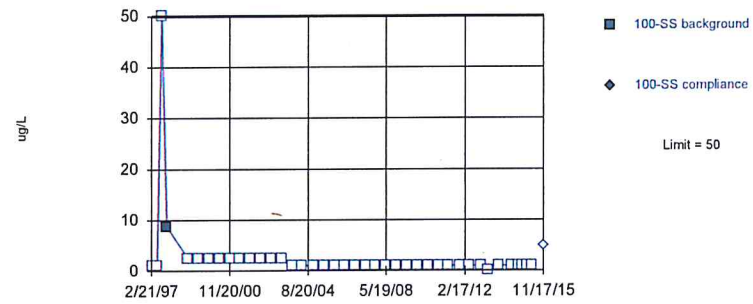
Hollow symbols indicate censored values.

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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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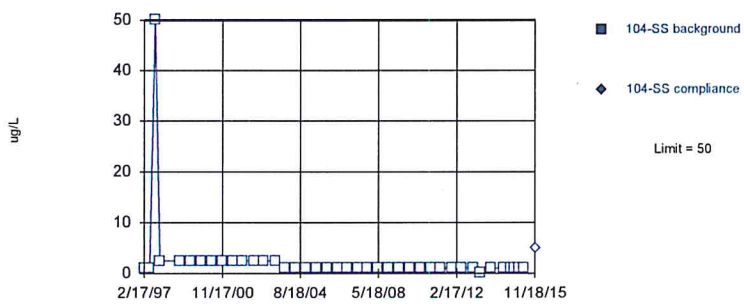
Hollow symbols indicate censored values.

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. 100% 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 1/7/2016 11:55 AM

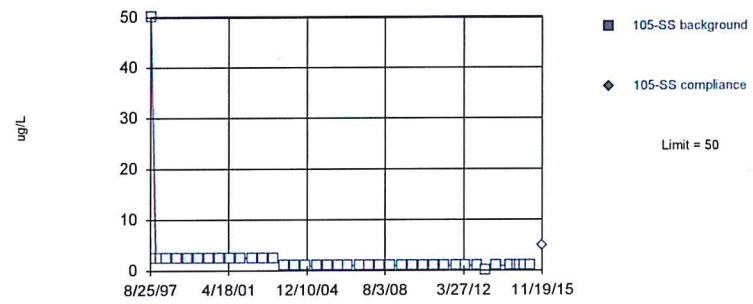
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:55 AM

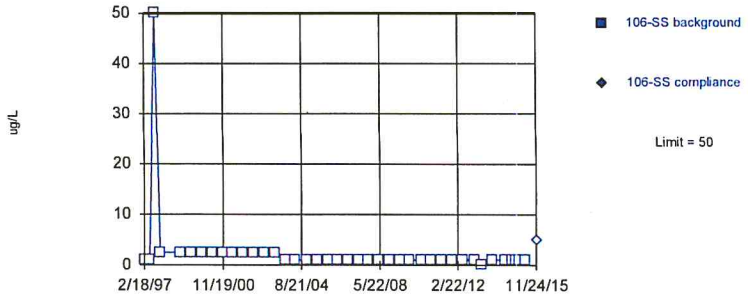
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:55 AM

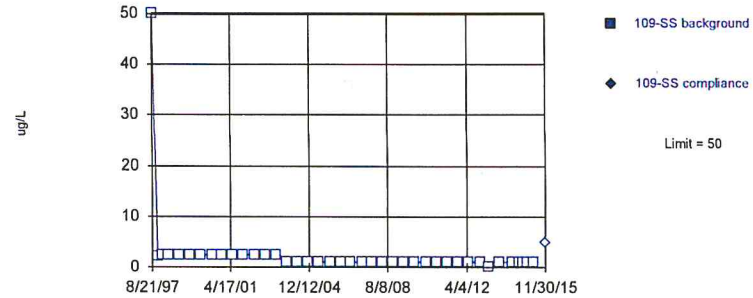
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:55 AM

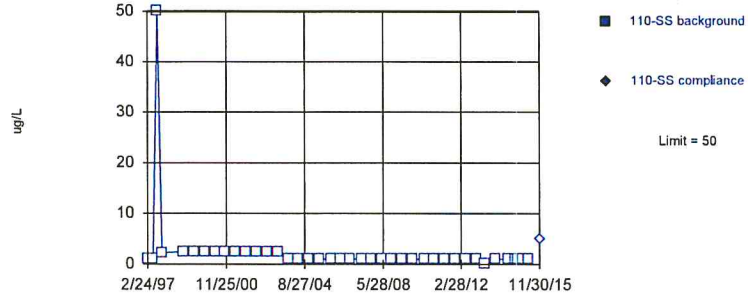
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:55 AM

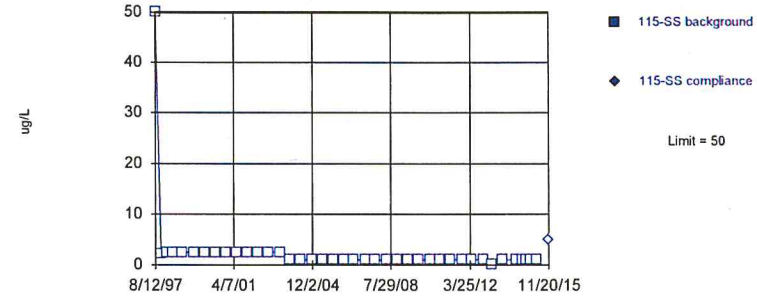
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:55 AM

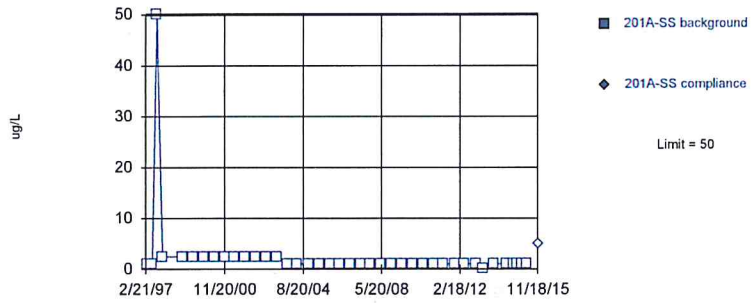
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

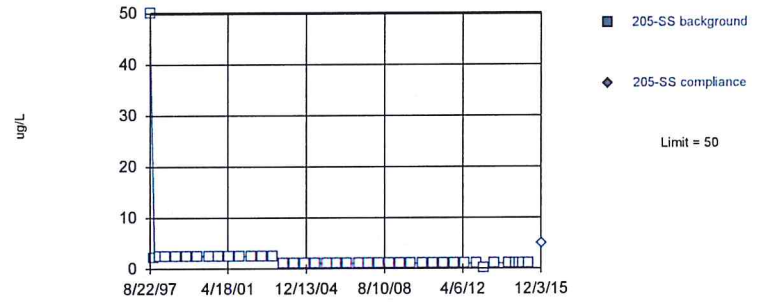
Constituent: Thallium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

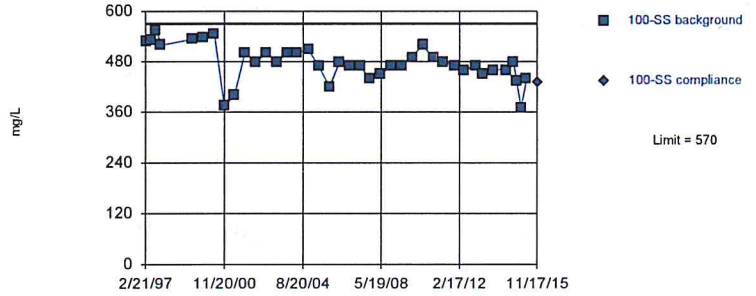
Constituent: Thallium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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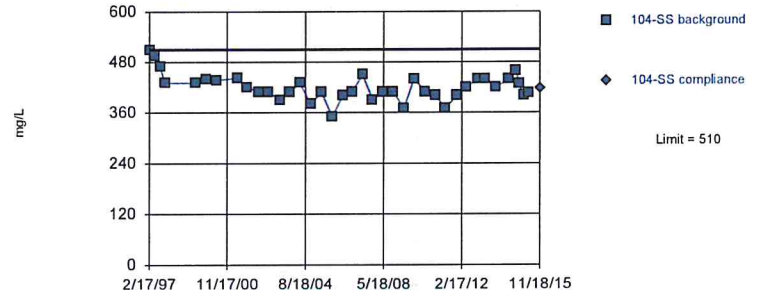
Within Limit

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 = 2.635 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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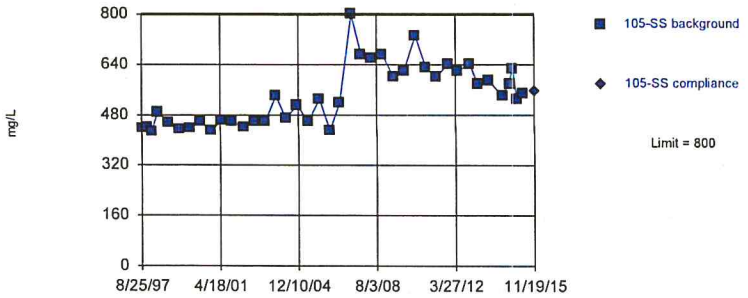
Within Limit

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: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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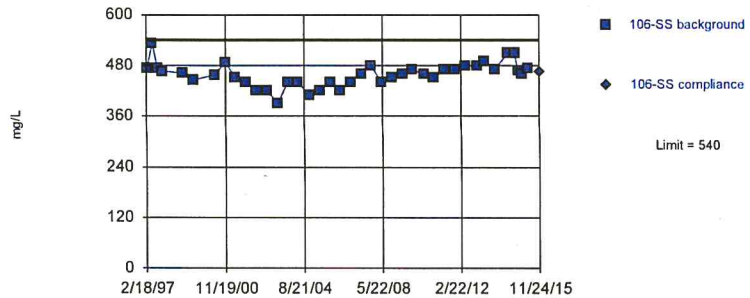
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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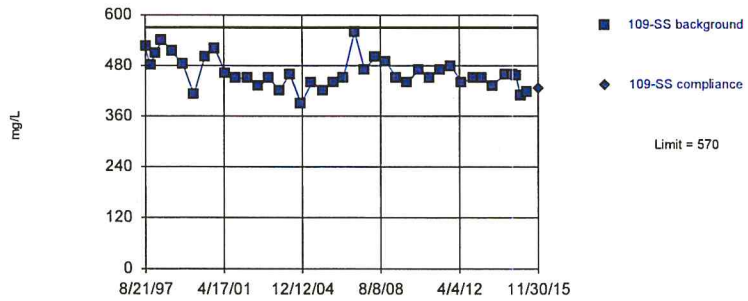
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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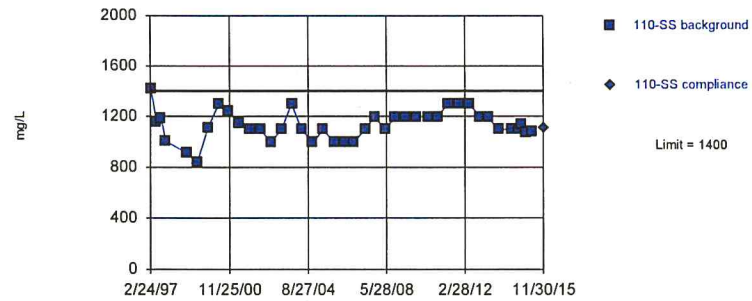
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1135, Std. Dev.=116.3, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9659, critical = 0.919. Kappa = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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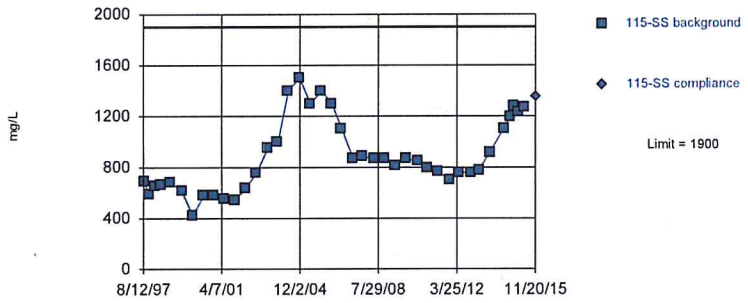
Within Limit

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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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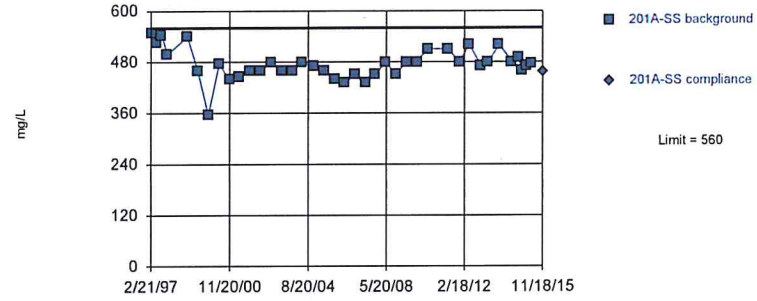
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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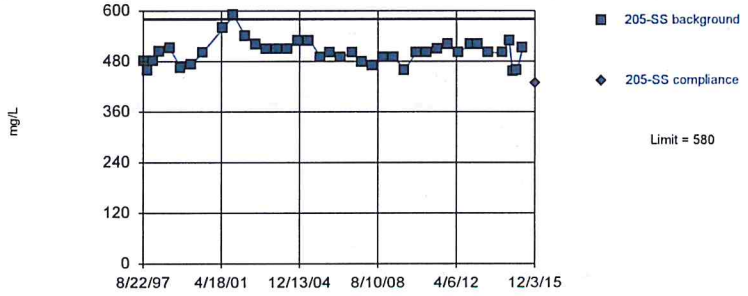
Within Limit

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 = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 611 (11/14/2000).

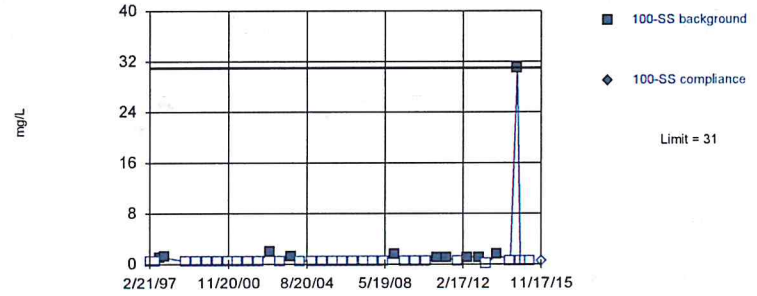
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

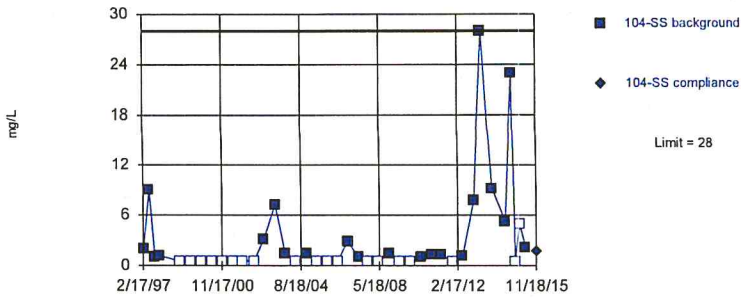
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

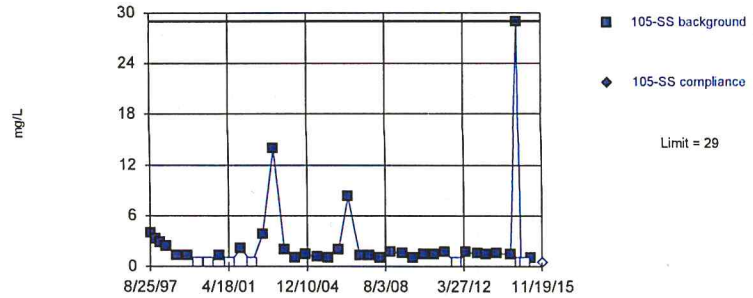
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

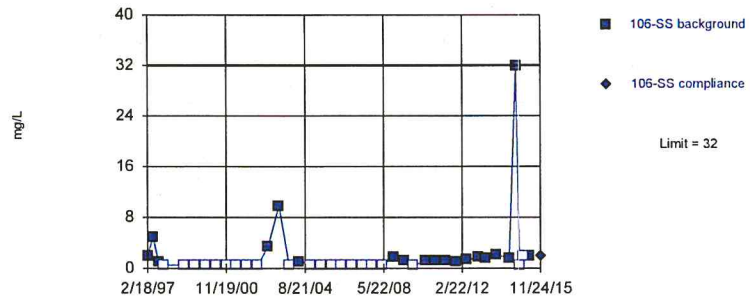
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

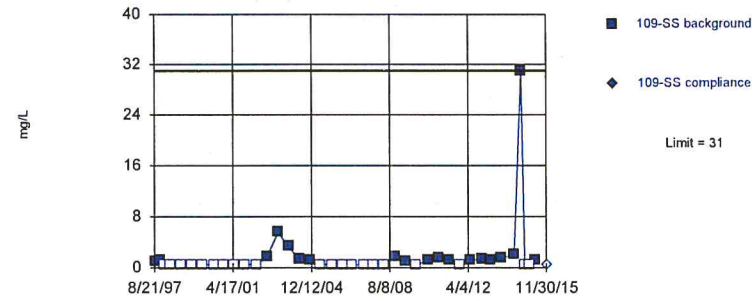
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

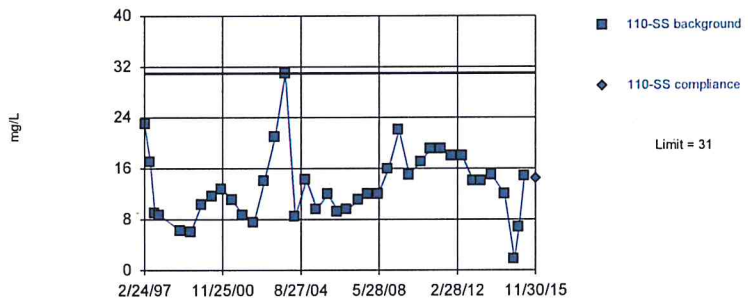
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=3.564, Std. Dev.=0.7759, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9871, critical = 0.917. Kappa = 2.626 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 66 (9/23/2014).

Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:55 AM

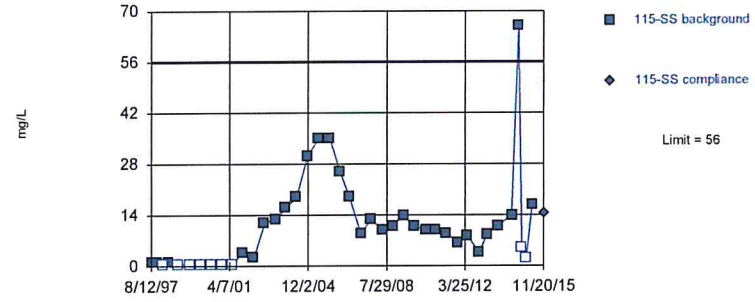
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:55 AM

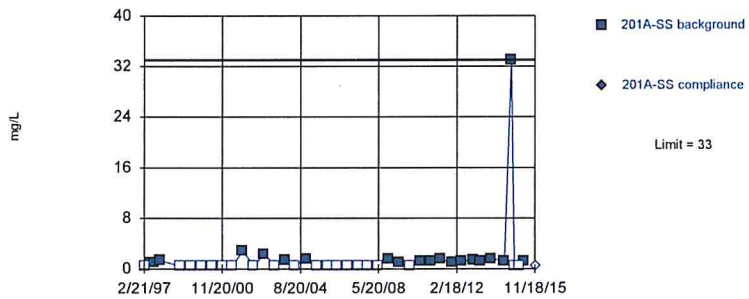
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:55 AM

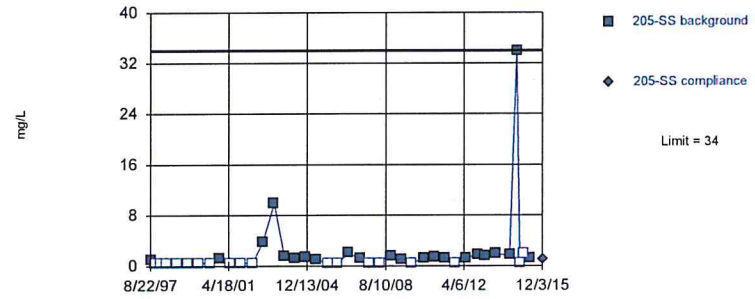
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:55 AM

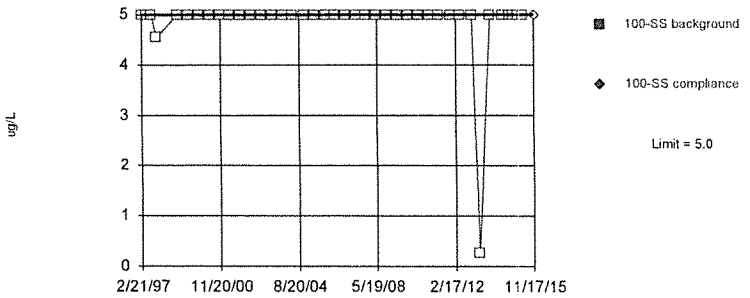
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

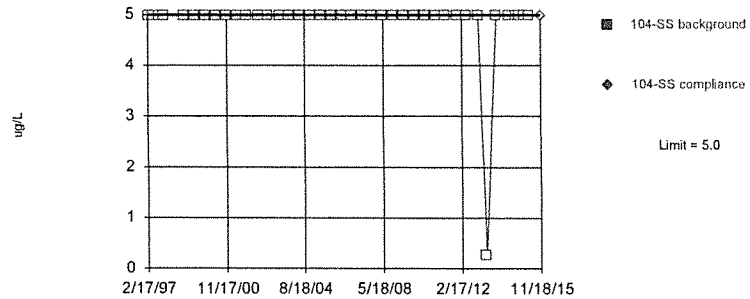
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

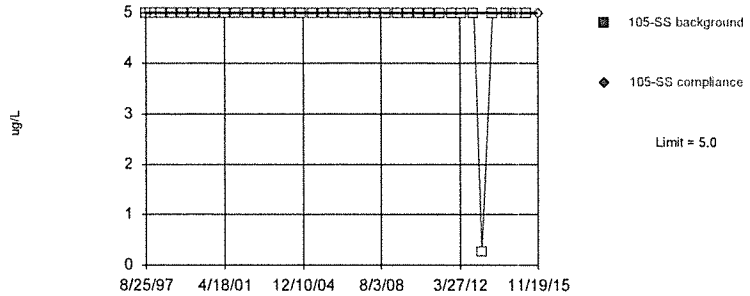
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

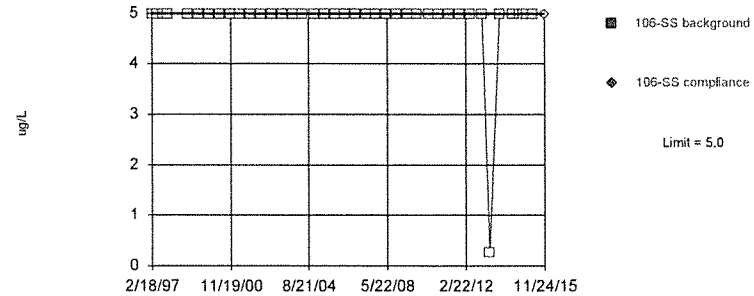
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

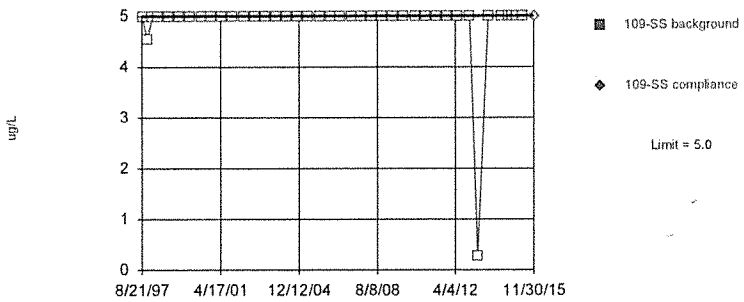
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

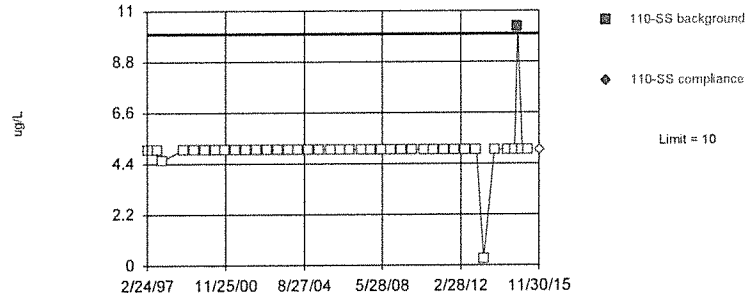
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

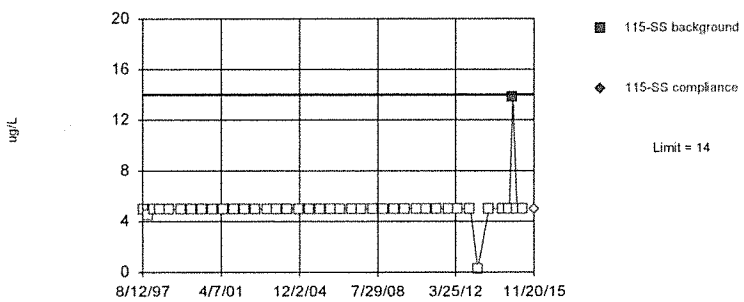
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

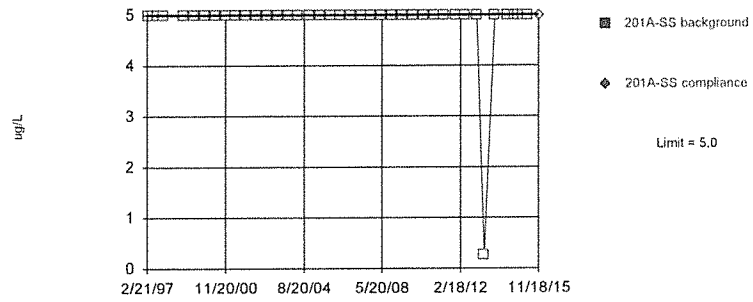
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

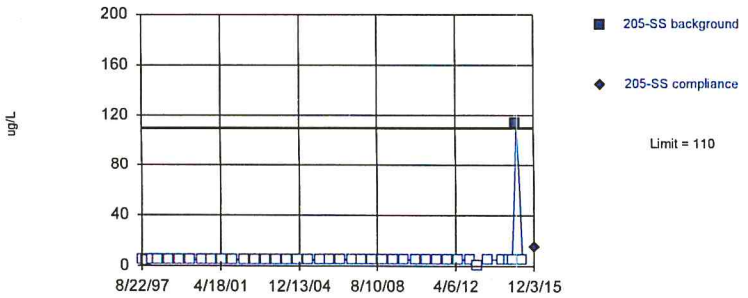
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

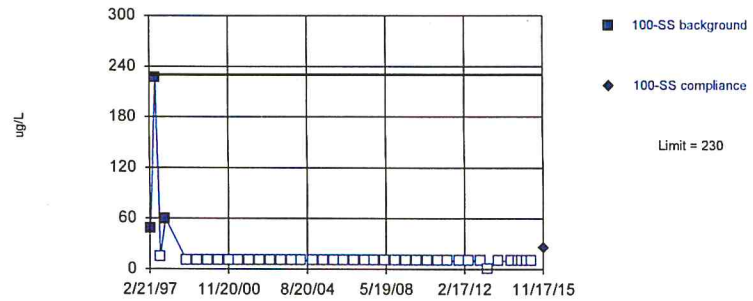
Constituent: Vanadium Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

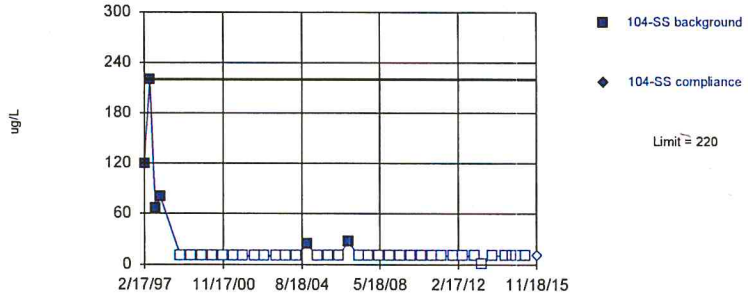
Constituent: Zinc Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

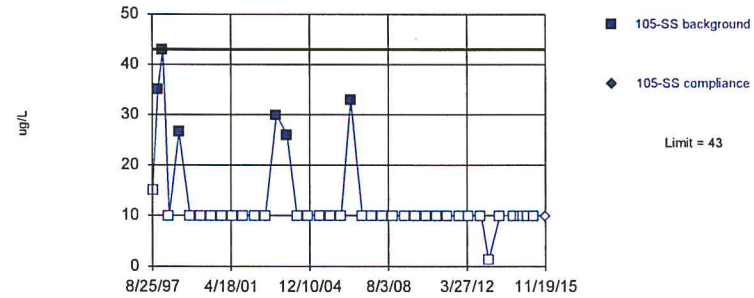
Constituent: Zinc Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

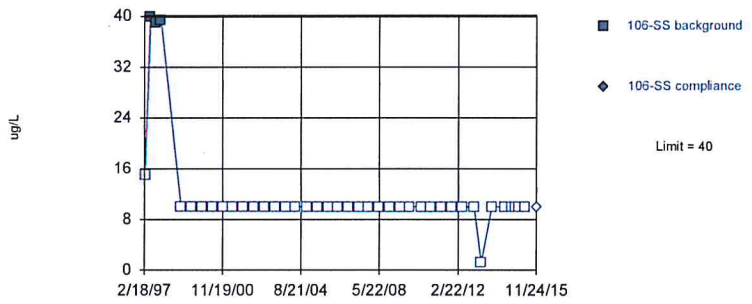
Constituent: Zinc Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

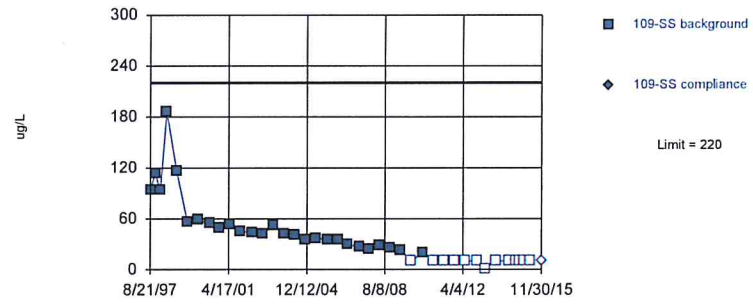
Constituent: Zinc Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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=2.709, Std. Dev.=1.255, n=40, 32.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9428, critical = 0.919. Kappa = 2.616 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. After outlier removal distribution was non-normal, so outlier results were invalidated.

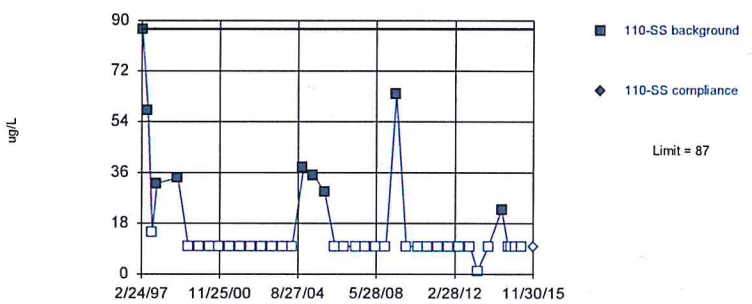
Constituent: Zinc Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

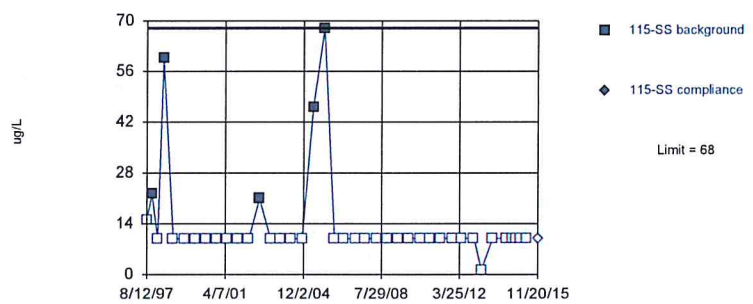
Constituent: Zinc Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

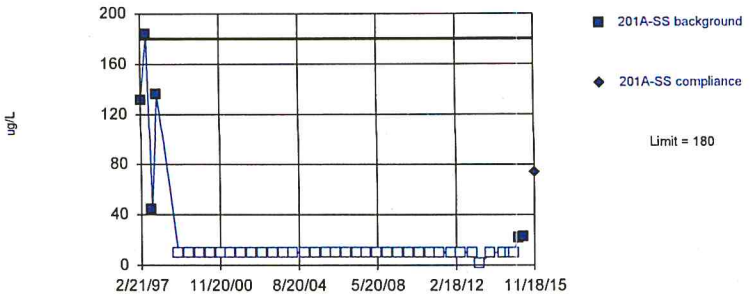
Constituent: Zinc Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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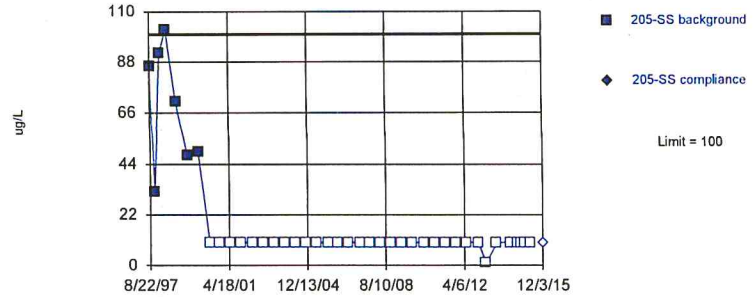
Hollow symbols indicate censored values.

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: Zinc Total Analysis Run 1/7/2016 11:55 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 3:27 PM

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	11/20/2015	5ND	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	11/18/2015	106	No	36	8075	1743	0	None	x^2	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	105-SS	190	n/a	11/19/2015	154	No	13	4.594	0.3338	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	110-SS	280	n/a	11/30/2015	244	No	22	42528	13153	0	None	x^2	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	115-SS	600	n/a	11/20/2015	482	No	35	228	139.9	0	None	No	0.00008608	Param Intra 1 of 2
Barium Total (ug/L)	205-SS	180	n/a	12/3/2015	120	No	36	n/a	n/a	0	n/a	n/a	0.00142	NP Intra (normality) 1 of 2
Boron Total (ug/L)	**100-SS**	**140**	**n/a**	**11/17/2015**	**158**	**Yes**	**32**	**1.7e8**	**9.7e7**	**12.5**	**None**	**x^4**	**0.00008608**	**Param Intra 1 of 2**
Boron Total (ug/L)	104-SS	160	n/a	11/18/2015	137	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	11/20/2015	461	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**	**87000**	**n/a**	**11/19/2015**	**90900**	**Yes**	**11**	**11.08**	**0.07786**	**0**	**None**	**ln(x)**	**0.00008608**	**Param Intra 1 of 2**
Calcium Total (ug/L)	106-SS	110000	n/a	11/24/2015	99100	No	29	11.46	0.06699	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	110-SS	260000	n/a	11/30/2015	195000	No	20	8.6e15	2.9e15	0	None	x^3	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	115-SS	350000	n/a	11/20/2015	241000	No	36	11.89	0.3286	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	201A-SS	100000	n/a	11/18/2015	92500	No	22	85186	6232	0	None	No	0.00008608	Param Intra 1 of 2
Calcium Total (ug/L)	205-SS	100000	n/a	12/3/2015	80800	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	11/18/2015	3.7	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**	**26**	**n/a**	**11/19/2015**	**76.3**	**Yes**	**7**	**2.586**	**0.1213**	**0**	**None**	**ln(x)**	**0.00008608**	**Param Intra 1 of 2**
Chloride (mg/L)	**106-SS**	**17**	**n/a**	**11/24/2015**	**23.3**	**Yes**	**29**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.002152**	**NP Intra (normality) 1 of 2**
Chloride (mg/L)	110-SS	280	n/a	11/30/2015	173	No	28	176	36.15	0	None	No	0.00008608	Param Intra 1 of 2
Chloride (mg/L)	115-SS	680	n/a	11/20/2015	422	No	37	13.59	4.687	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Chloride (mg/L)	201A-SS	4.0	n/a	11/18/2015	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	12/3/2015	32	No	32	2.998	0.2584	0	None	x^(1/3)	0.00008608	Param Intra 1 of 2
Fluoride (mg/L)	109-SS	2.5	n/a	11/30/2015	2.4	No	35	9.297	2.313	0	None	x^3	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	105-SS	510	n/a	11/19/2015	425	No	15	5.79	0.1385	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	106-SS	510	n/a	11/24/2015	441	No	29	20.59	0.6924	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	110-SS	1000	n/a	11/30/2015	805	No	19	6.2e8	1.8e8	0	None	x^3	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	115-SS	1600	n/a	11/20/2015	1030	No	35	6.483	0.3251	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	201A-SS	500	n/a	11/18/2015	422	No	21	19.72	0.9201	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Hardness Total (mg/L)	205-SS	520	n/a	12/3/2015	425	No	23	8.0e15	3.9e15	0	None	x^6	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	106-SS	1400	n/a	11/24/2015	1030	No	26	5.605	0.5835	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Iron Total (ug/L)	115-SS	7200	n/a	11/20/2015	2600	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	11/18/2015	48300	No	32	1.1e14	2.3e13	0	None	x^3	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	**105-SS**	**47000**	**n/a**	**11/19/2015**	**48000**	**Yes**	**11**	**10.46**	**0.07764**	**0**	**None**	**ln(x)**	**0.00008608**	**Param Intra 1 of 2**
Magnesium Total (ug/L)	106-SS	54000	n/a	11/24/2015	47000	No	25	10.69	0.07281	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	110-SS	100000	n/a	11/30/2015	77100	No	17	11.28	0.07957	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	115-SS	140000	n/a	11/20/2015	104000	No	37	11.23	0.2383	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	201A-SS	51000	n/a	11/18/2015	46300	No	13	10.57	0.08112	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Magnesium Total (ug/L)	205-SS	64000	n/a	12/3/2015	54200	No	17	224	9.563	0	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Manganese Total (ug/L)	110-SS	230	n/a	11/30/2015	161	No	10	30012	5451	0	None	x^2	0.00008608	Param Intra 1 of 2
Manganese Total (ug/L)	**115-SS**	**19**	**n/a**	**11/20/2015**	**82.1**	**Yes**	**11**	**8.983**	**2.739**	**9.091**	**None**	**No**	**0.00008608**	**Param Intra 1 of 2**
Nickel Total (ug/L)	115-SS	140	n/a	11/20/2015	73.9	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**	**11/18/2015**	**0.37**	**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	11/18/2015	6.98	No	35	1.983	0.05825	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	105-SS	8.3	6.7	11/19/2015	7.37	No	32	2.012	0.04035	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	106-SS	8.3	6.3	11/24/2015	7.13	No	31	1.98	0.05226	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	110-SS	7.7	6	11/30/2015	6.8	No	33	1.914	0.04822	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	201A-SS	8.5	6.4	11/18/2015	7.2	No	30	1.993	0.05282	0	None	ln(x)	0.00004304	Param Intra 1 of 2
pH [Field] (su)	205-SS	7.9	6.5	12/3/2015	7.26	No	32	1.969	0.03712	0	None	ln(x)	0.00004304	Param Intra 1 of 2
Phosphorus Total (mg/L)	115-SS	0.45	n/a	11/20/2015	0.22	No	31	0.2985	0.1361	12.9	None	sqrt(x)	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	105-SS	80000	n/a	11/19/2015	51900	No	29	10.89	0.1457	0	None	ln(x)	0.00008608	Param Intra 1 of 2

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 3:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sodium Total (ug/L)	106-SS	17000	n/a	11/24/2015	14500	No	26	1.7e8	4.0e7	0	None	x^2	0.00008608	Param Intra 1 of 2
Sodium Total (ug/L)	115-SS	460000	n/a	11/20/2015	146000	No	35	10.78	0.8461	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	105-SS	1100	n/a	11/19/2015	942	No	22	813.5	87.59	0	None	No	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	110-SS	2200	n/a	11/30/2015	1402	No	23	1.9e16	1.0e16	0	None	x^5	0.00008608	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	115-SS	3500	n/a	11/20/2015	2600	No	36	7.284	0.335	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	**105-SS**	**47**	**n/a**	**11/19/2015**	**69.5**	**Yes**	**8**	**40346**	**14371**	**0**	**None**	**x^3**	**0.00008608**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	201A-SS	86	n/a	11/18/2015	61.9	No	37	4.083	0.141	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**105-SS**	**540**	**n/a**	**11/19/2015**	**556**	**Yes**	**20**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.004219**	**NP Intra (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	115-SS	1800	n/a	11/20/2015	1350	No	37	6.71	0.3007	0	None	ln(x)	0.00008608	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	106-SS	32	n/a	11/24/2015	2	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	12/3/2015	1.1	No	34	n/a	n/a	47.06	n/a	n/a	0.001587	NP Intra (normality) 1 of 2

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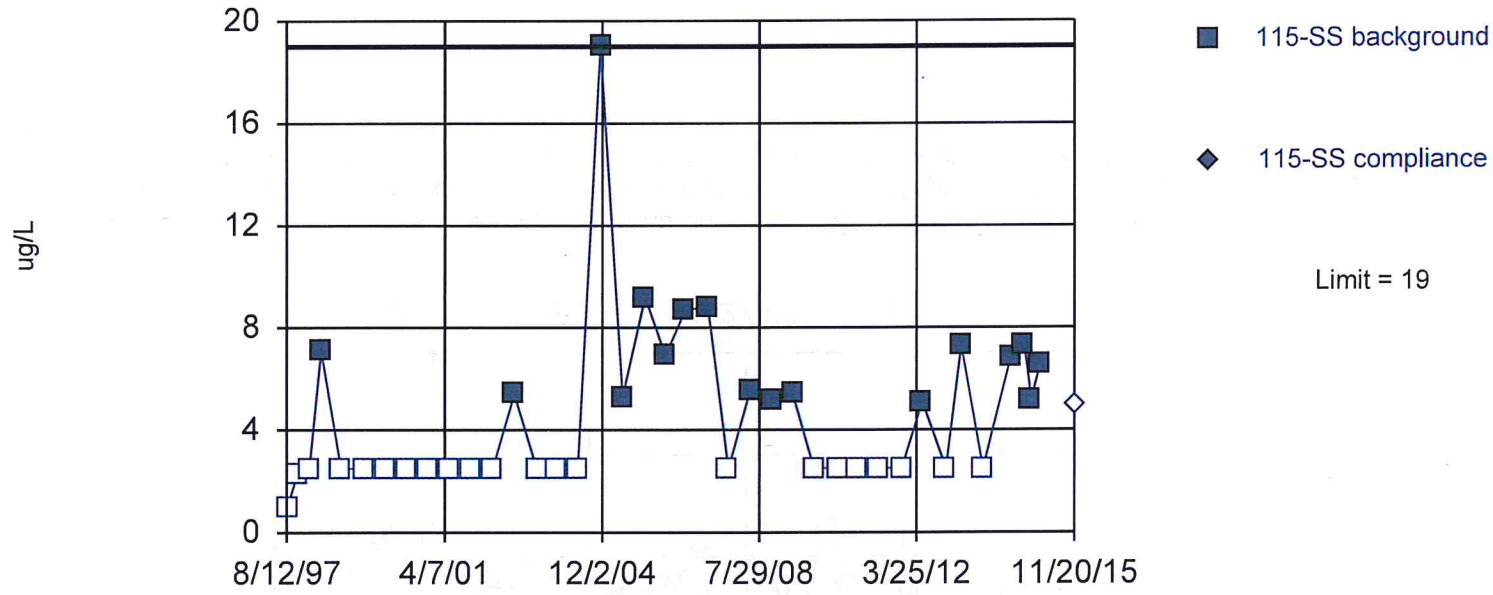
Hollow symbols indicate censored values.

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.

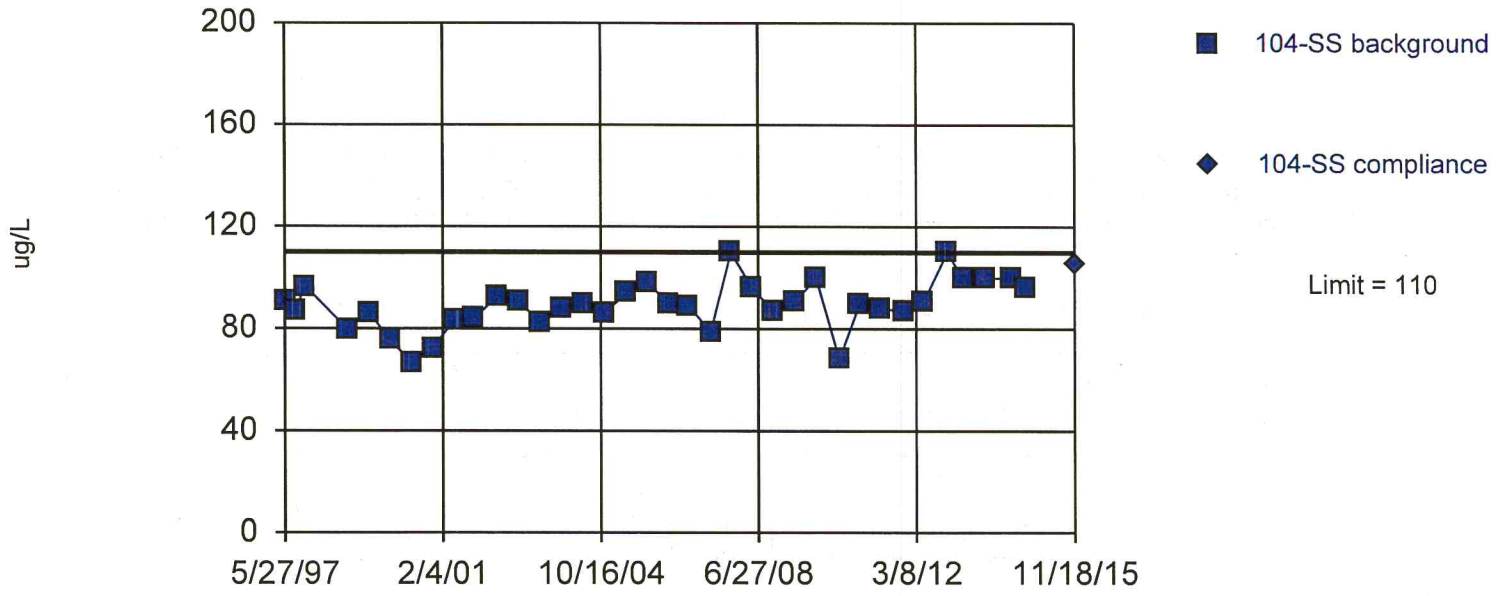
Constituent: Arsenic Total Analysis Run 1/7/2016 2:38 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.654 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 214 (2/17/1997).

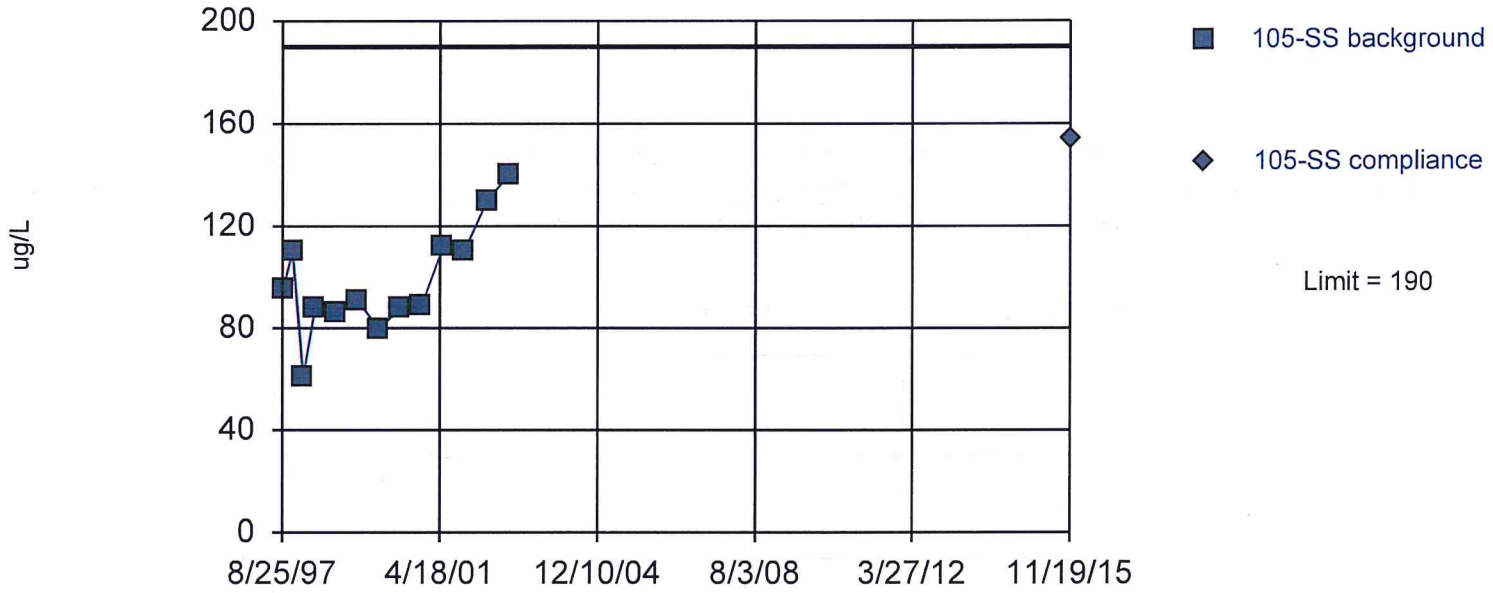
Constituent: Barium Total Analysis Run 1/7/2016 2:41 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 3.446 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

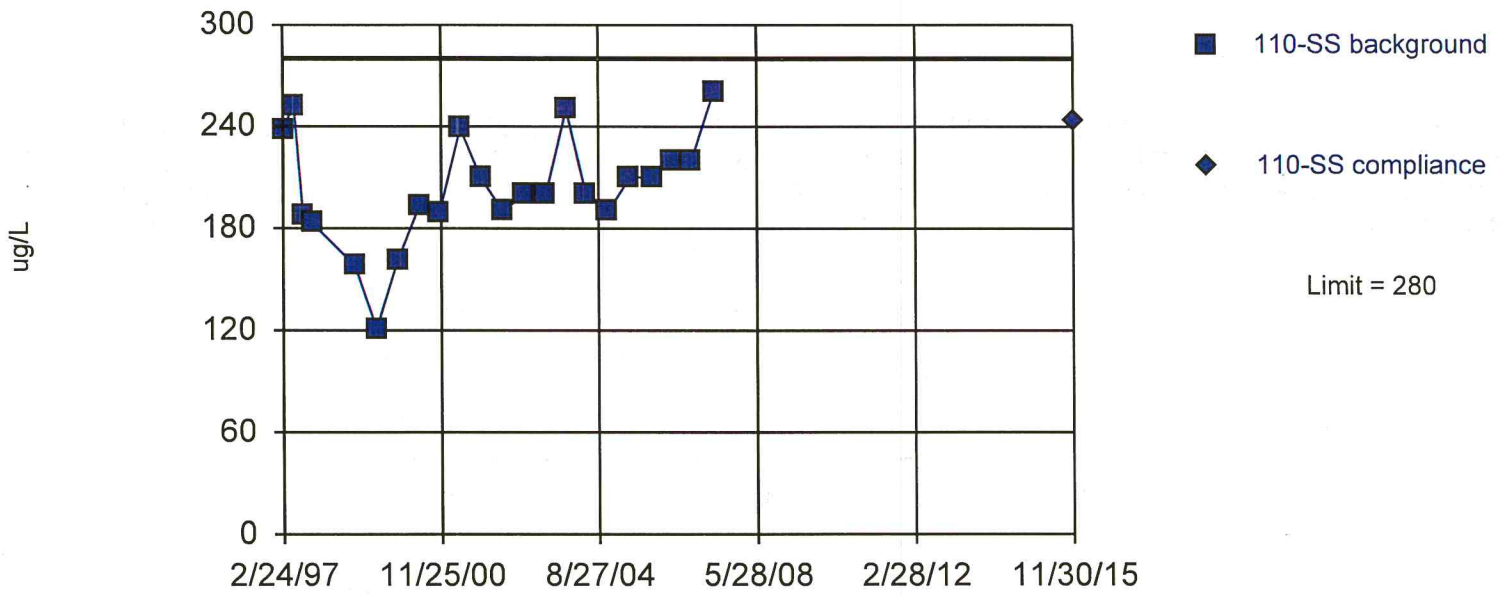
Constituent: Barium Total Analysis Run 1/7/2016 2:42 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=42528, Std. Dev.=13153, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9665, critical = 0.878. Kappa = 2.899 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. No background outliers were found.

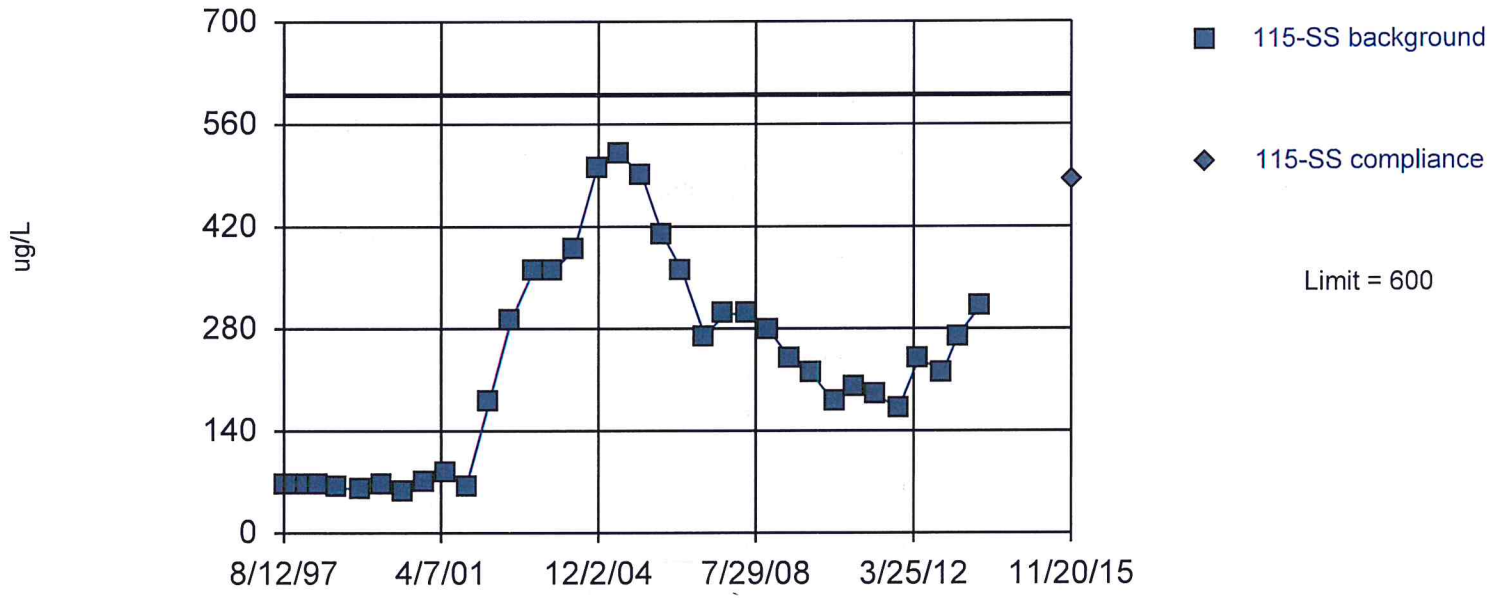
Constituent: Barium Total Analysis Run 1/7/2016 2:42 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.664 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

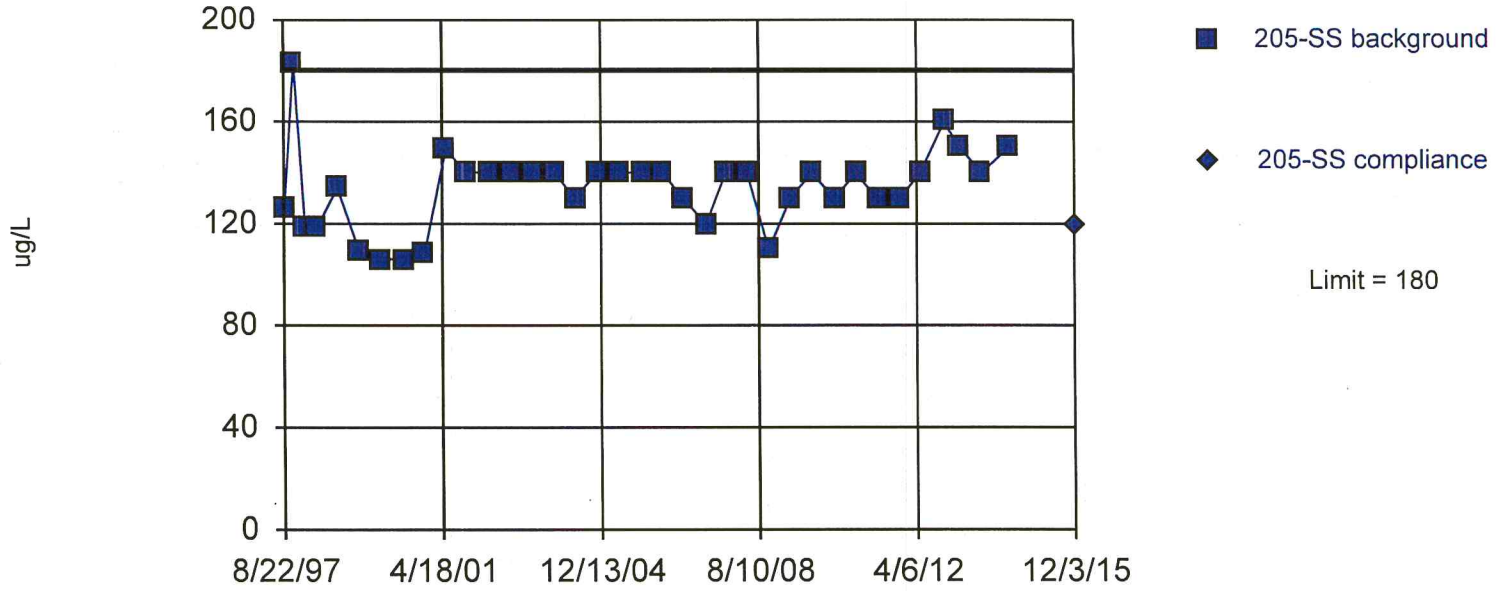
Constituent: Barium Total Analysis Run 1/7/2016 2:43 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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. 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: Barium Total Analysis Run 1/7/2016 2:43 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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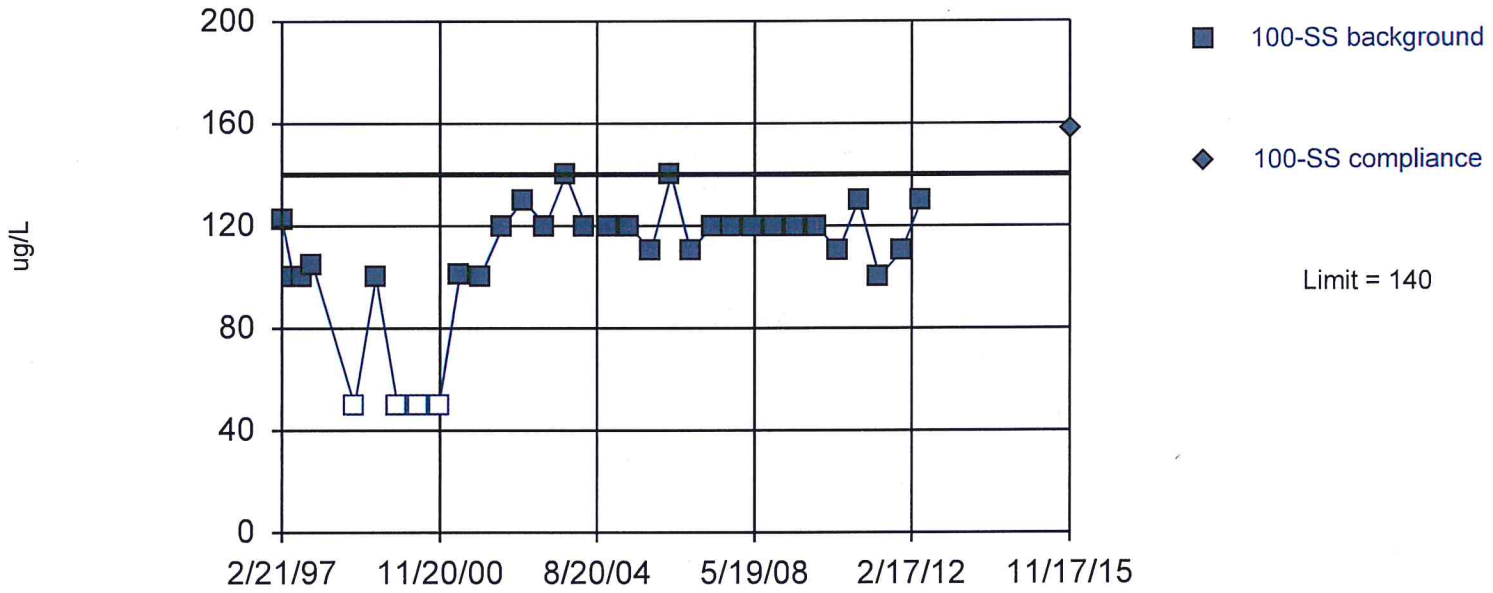
Exceeds Limit

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 = 2.7 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Boron Total Analysis Run 1/7/2016 2:44 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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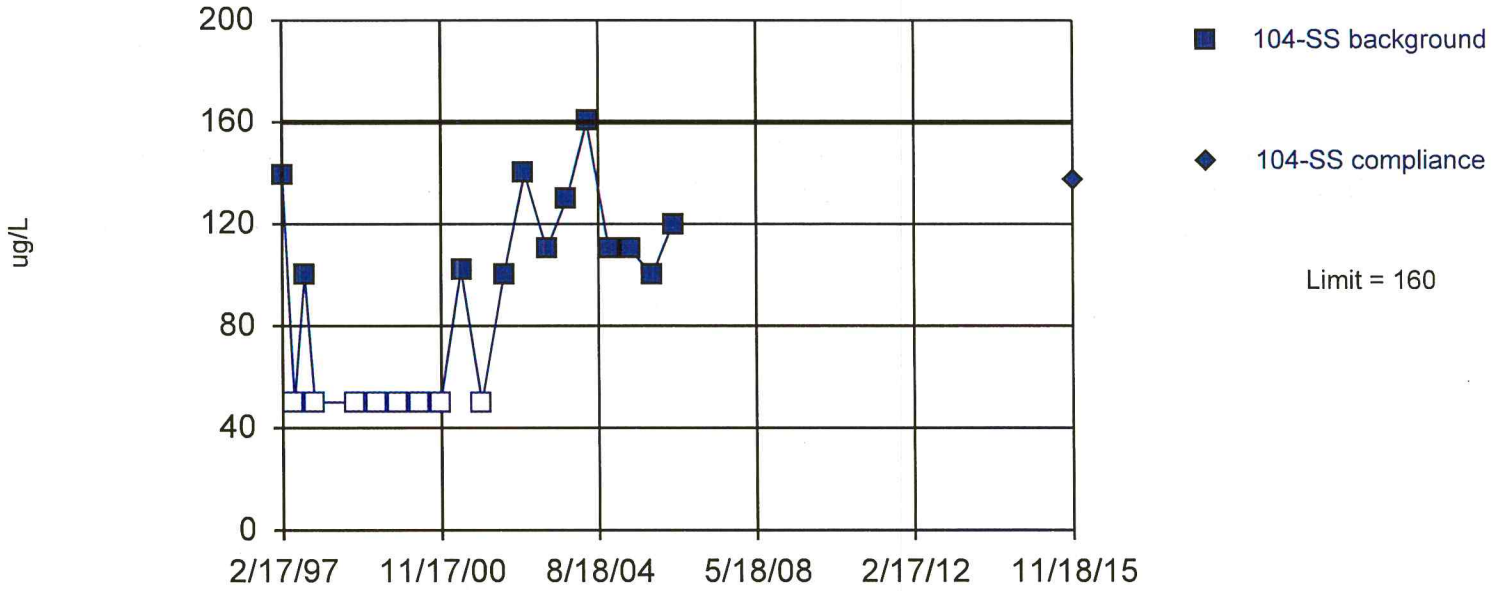
Hollow symbols indicate censored values.

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 1/7/2016 2:45 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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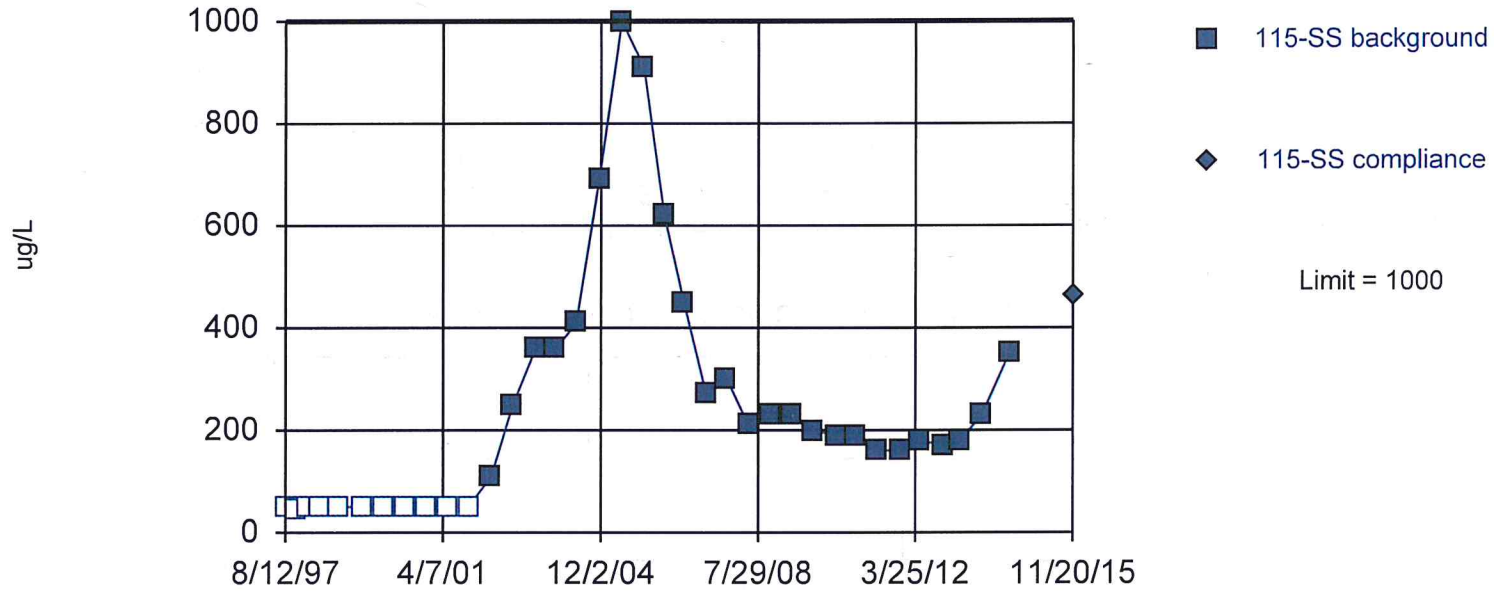
Hollow symbols indicate censored values.

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.

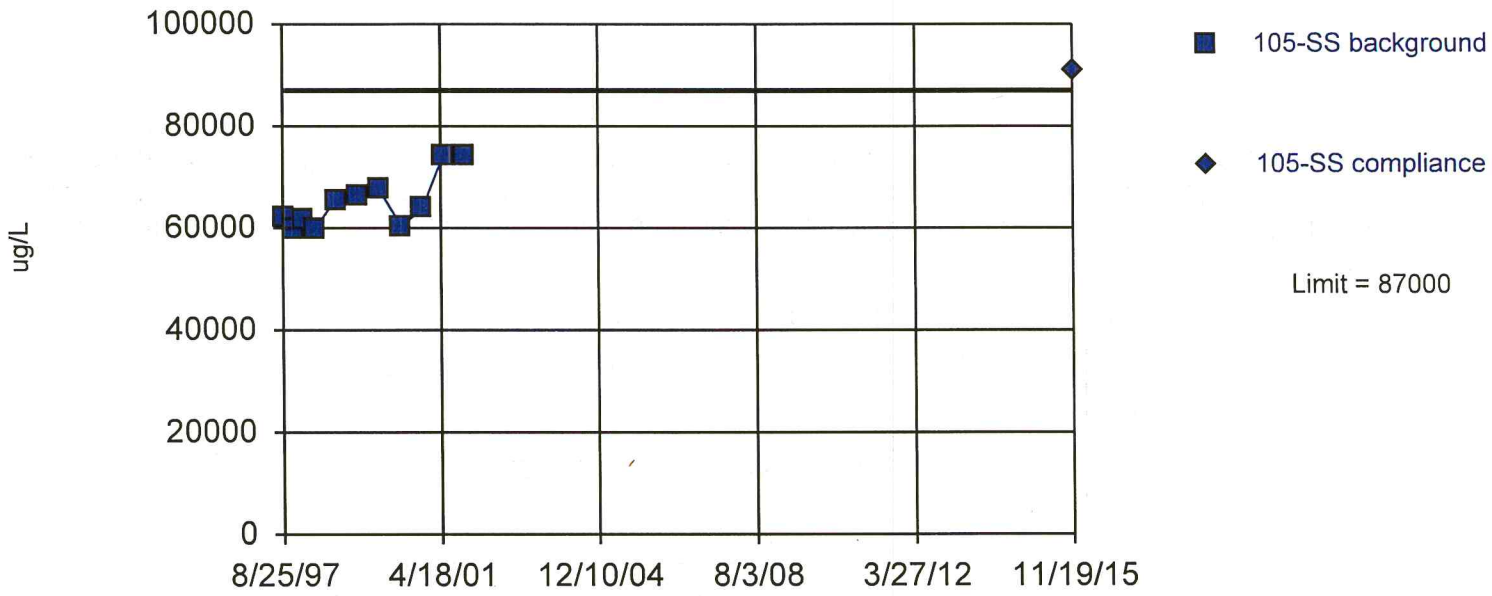
Constituent: Boron Total Analysis Run 1/7/2016 2:45 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 3.728 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

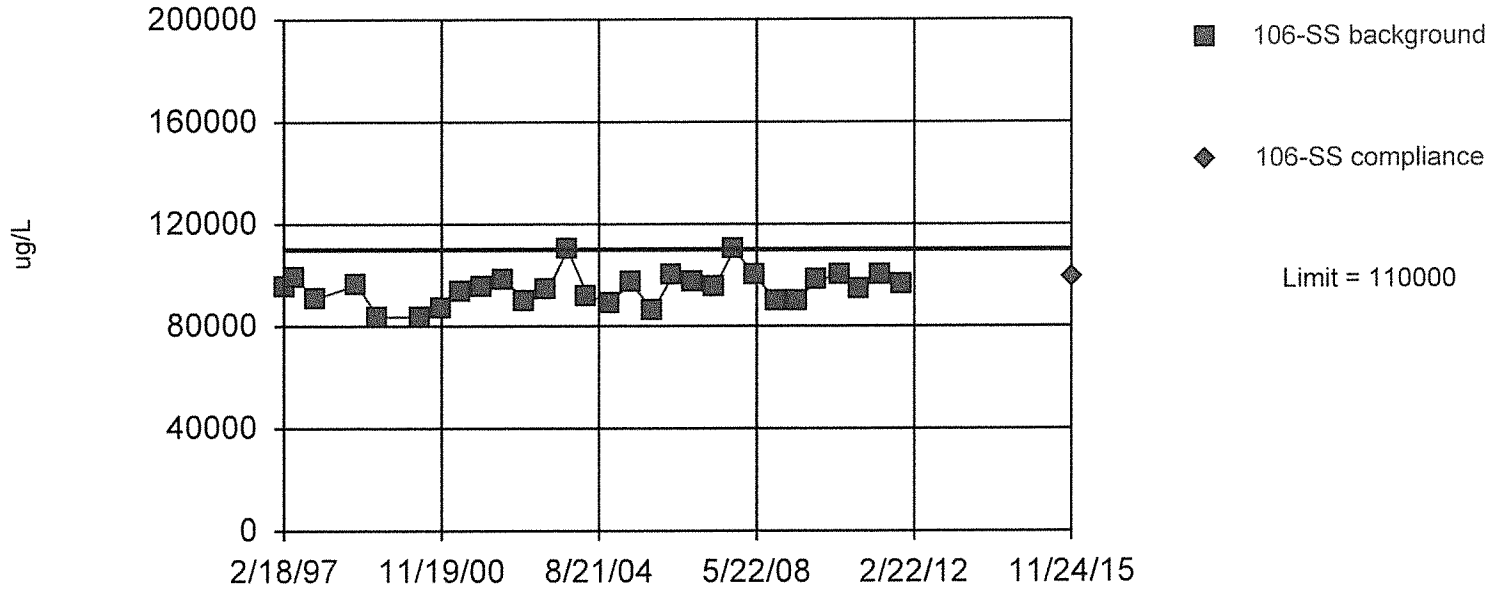
Constituent: Calcium Total Analysis Run 1/7/2016 2:48 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.741 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. Two background outliers were removed: 60000 (8/25/1997); 9000 (11/19/1999).

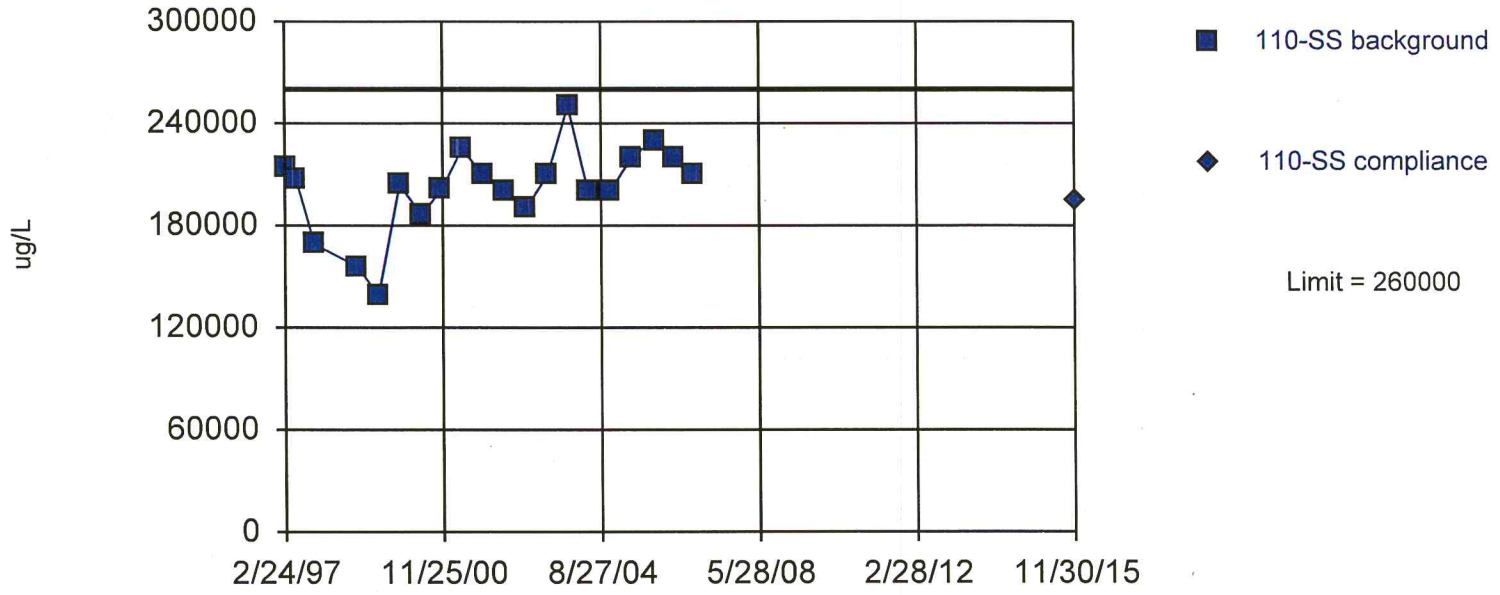
Constituent: Calcium Total Analysis Run 1/7/2016 2:48 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=8.6e15, Std. Dev.=2.9e15, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.966, critical = 0.868. Kappa = 2.957 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. One background outlier was removed: 91000 (8/22/1997).

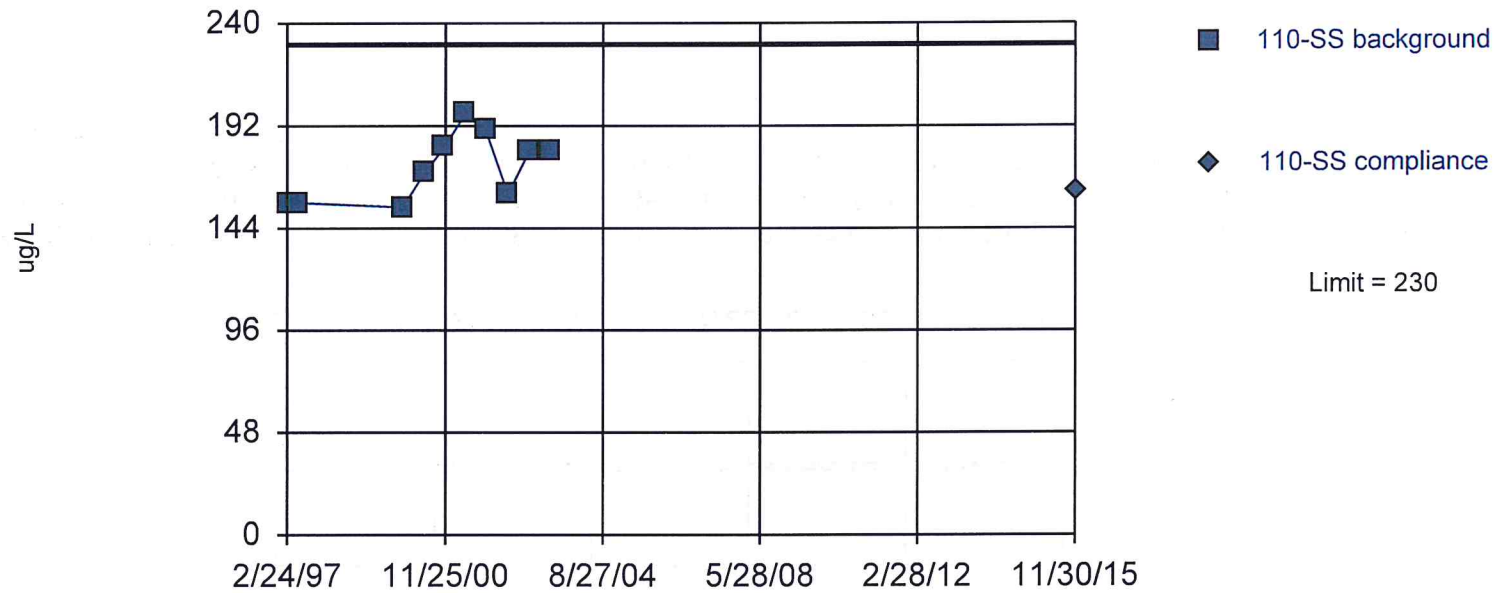
Constituent: Calcium Total Analysis Run 1/7/2016 2:49 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=30012, Std. Dev.=5451, n=10. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9116, critical = 0.842. Kappa = 3.913 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. Four background outliers were removed: 20 (8/22/1997); 101 (11/8/1997); 70.8 (11/13/1998); 54.5 (5/18/1999).

Constituent: Manganese Total Analysis Run 1/7/2016 3:08 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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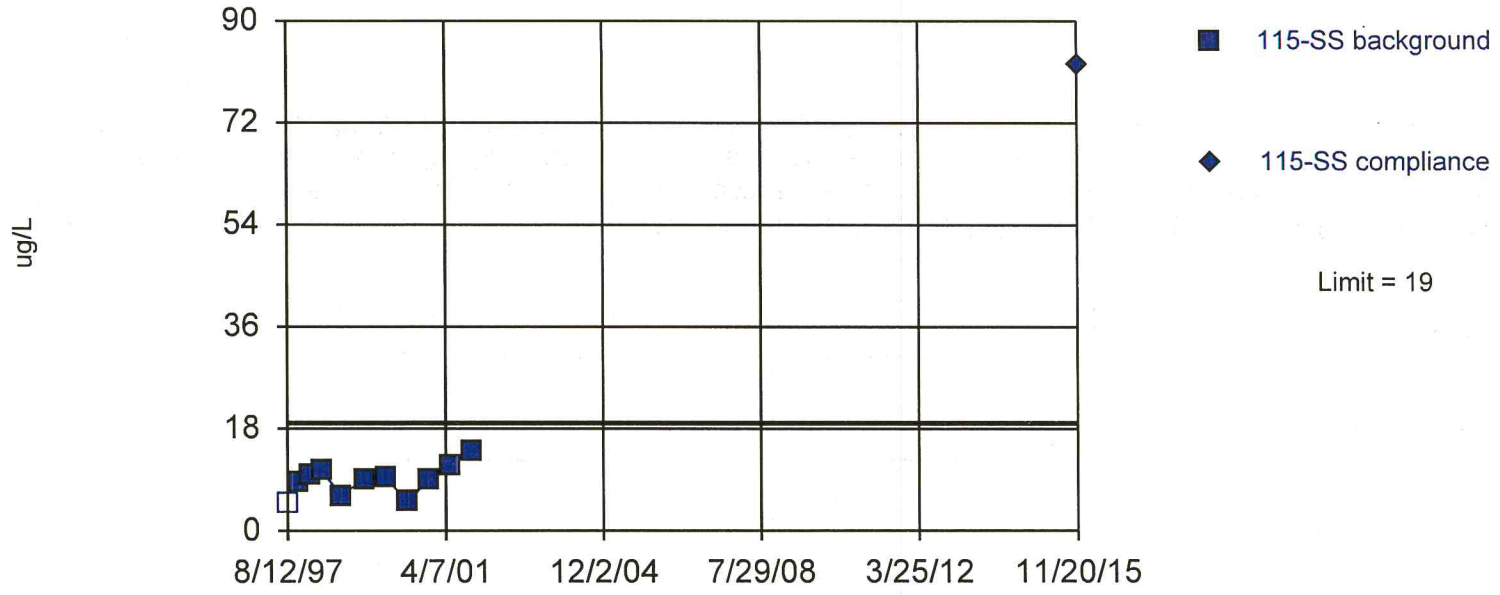
Hollow symbols indicate censored values.

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 = 3.728 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. One background outlier was removed: 47 (5/21/2002).

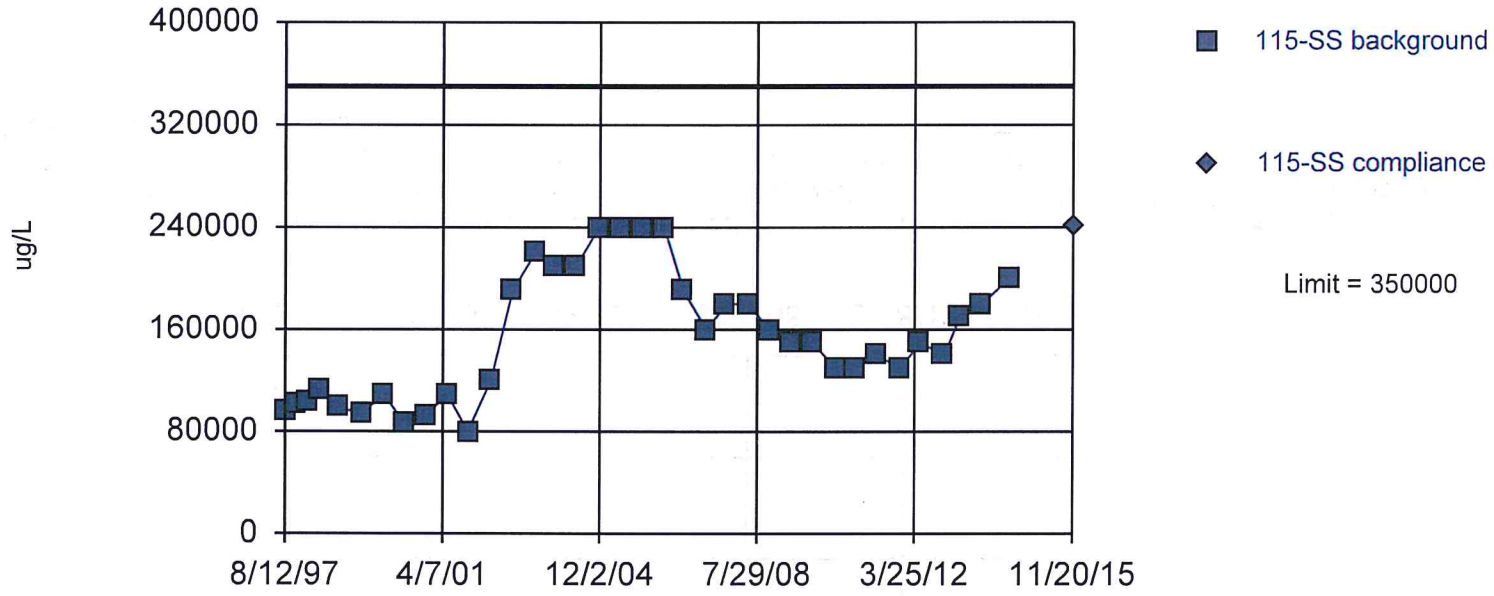
Constituent: Manganese Total Analysis Run 1/7/2016 3:08 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.654 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

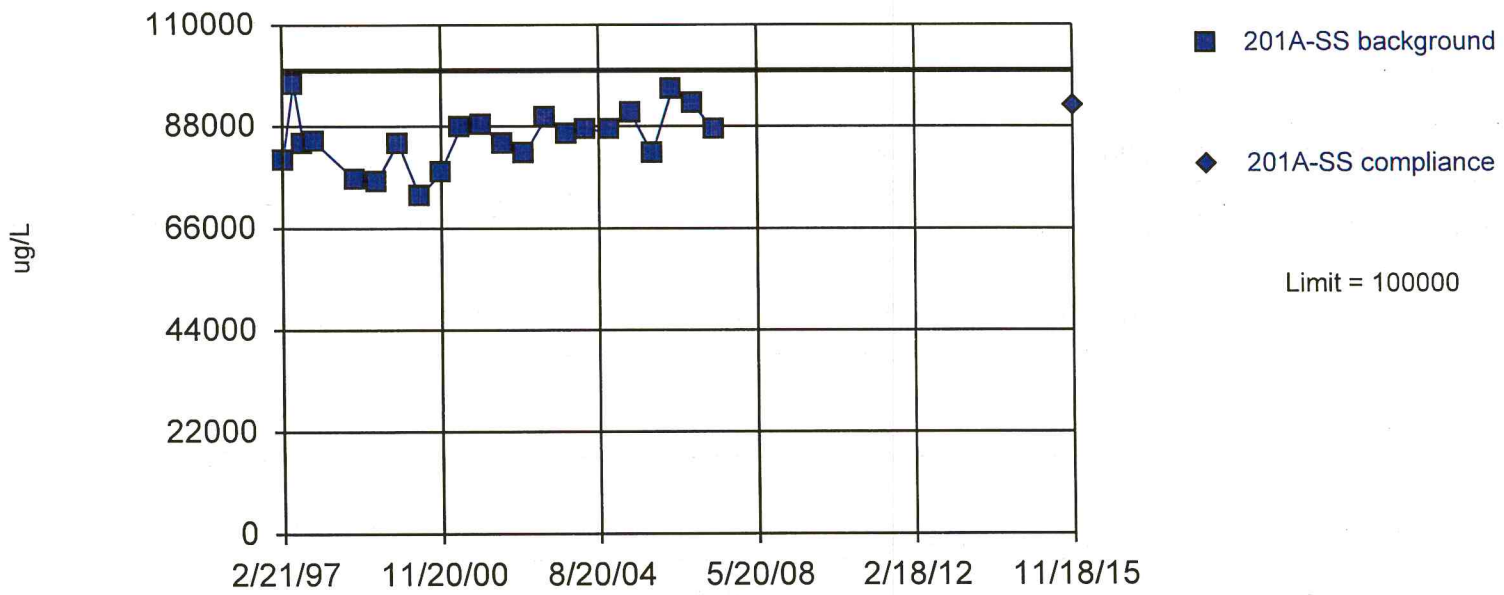
Constituent: Calcium Total Analysis Run 1/7/2016 2:49 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.899 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

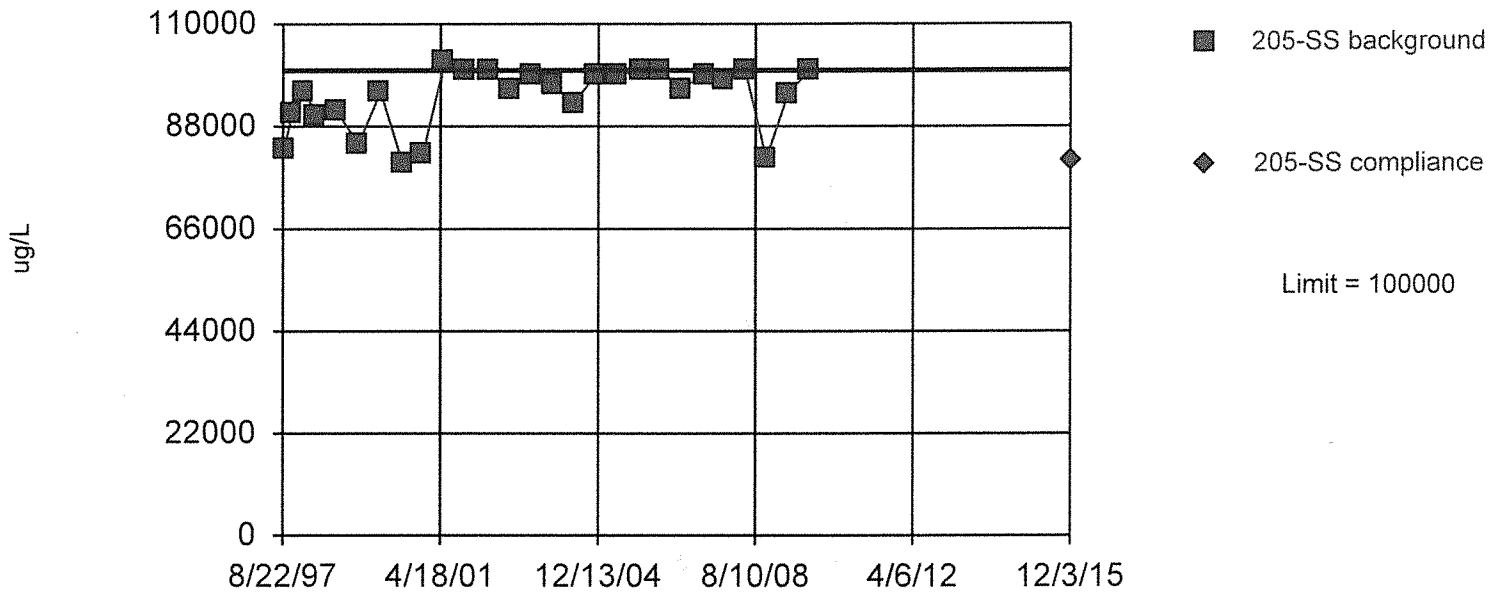
Constituent: Calcium Total Analysis Run 1/7/2016 2:50 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 1/7/2016 2:51 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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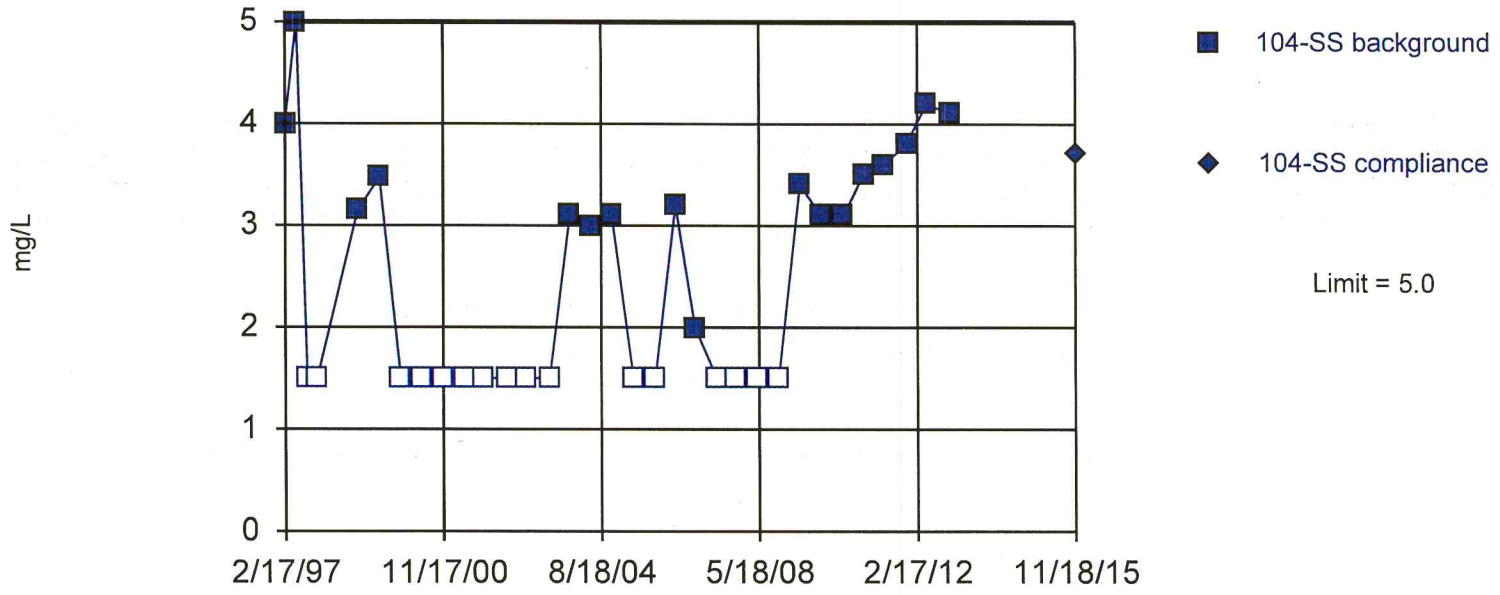
Hollow symbols indicate censored values.

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.

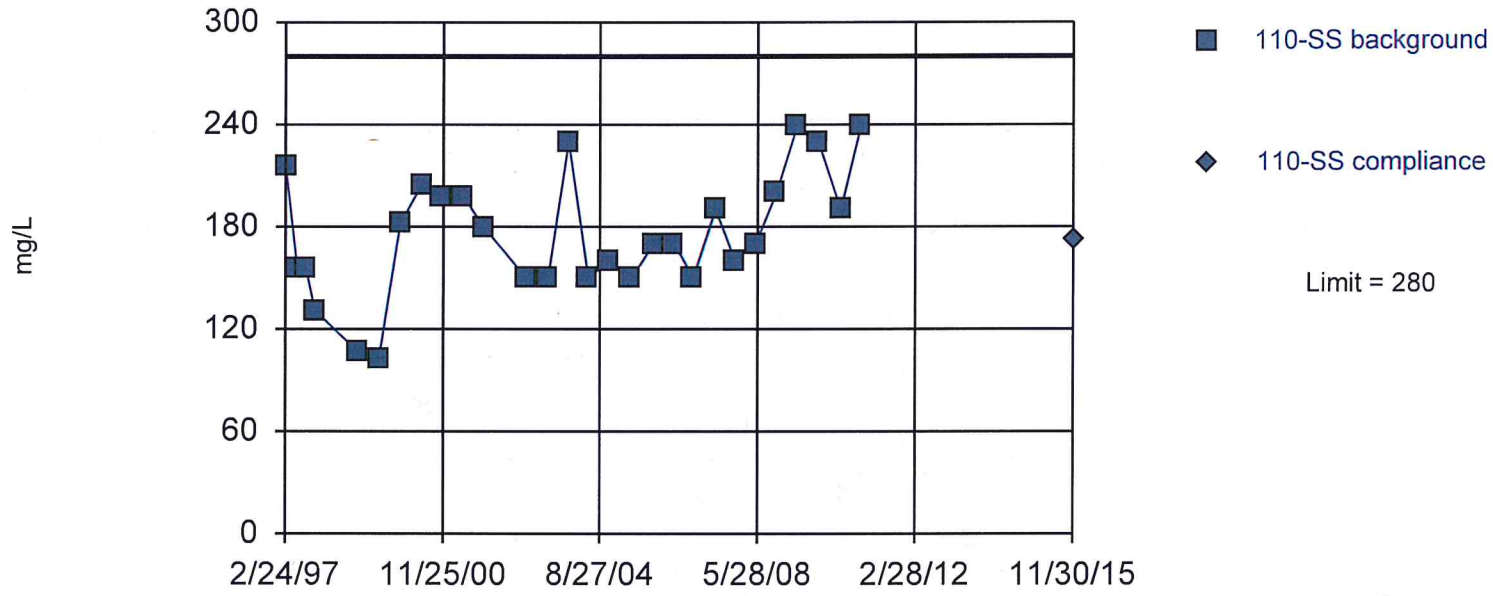
Constituent: Chloride Analysis Run 1/7/2016 2:52 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=176, Std. Dev.=36.15, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.896. Kappa = 2.759 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: <3 (5/21/2002).

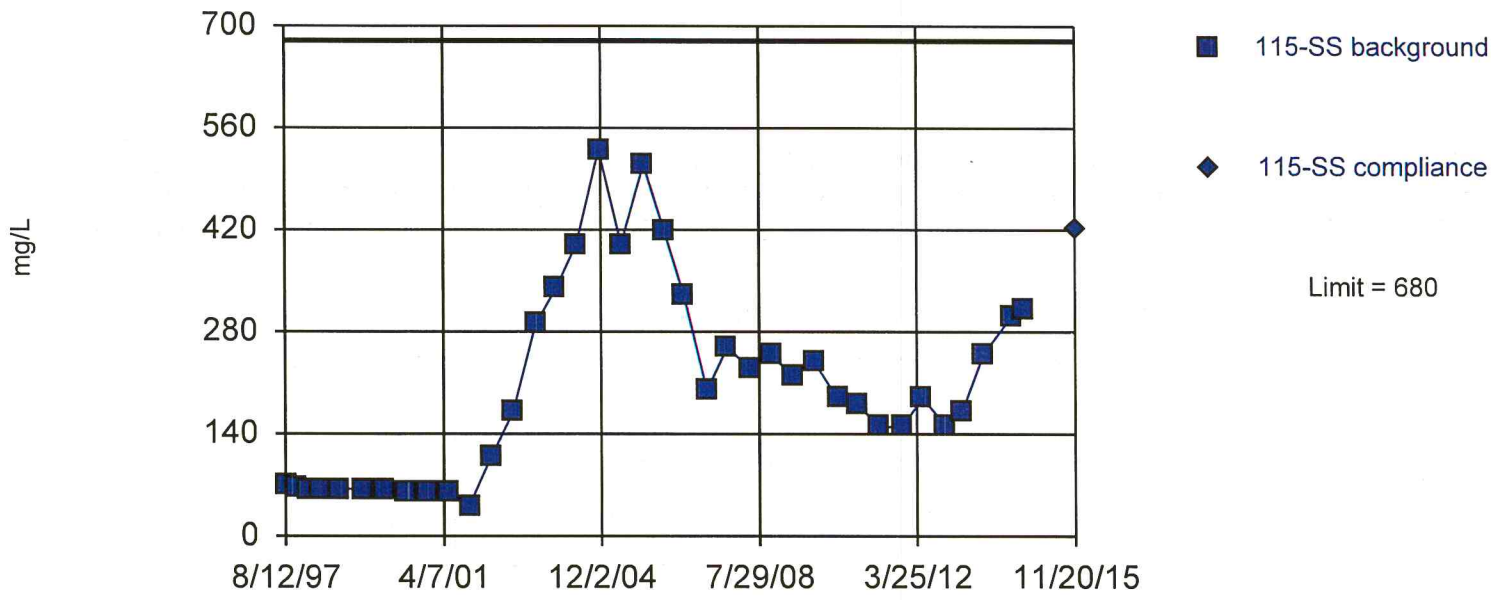
Constituent: Chloride Analysis Run 1/7/2016 2:54 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 2:54 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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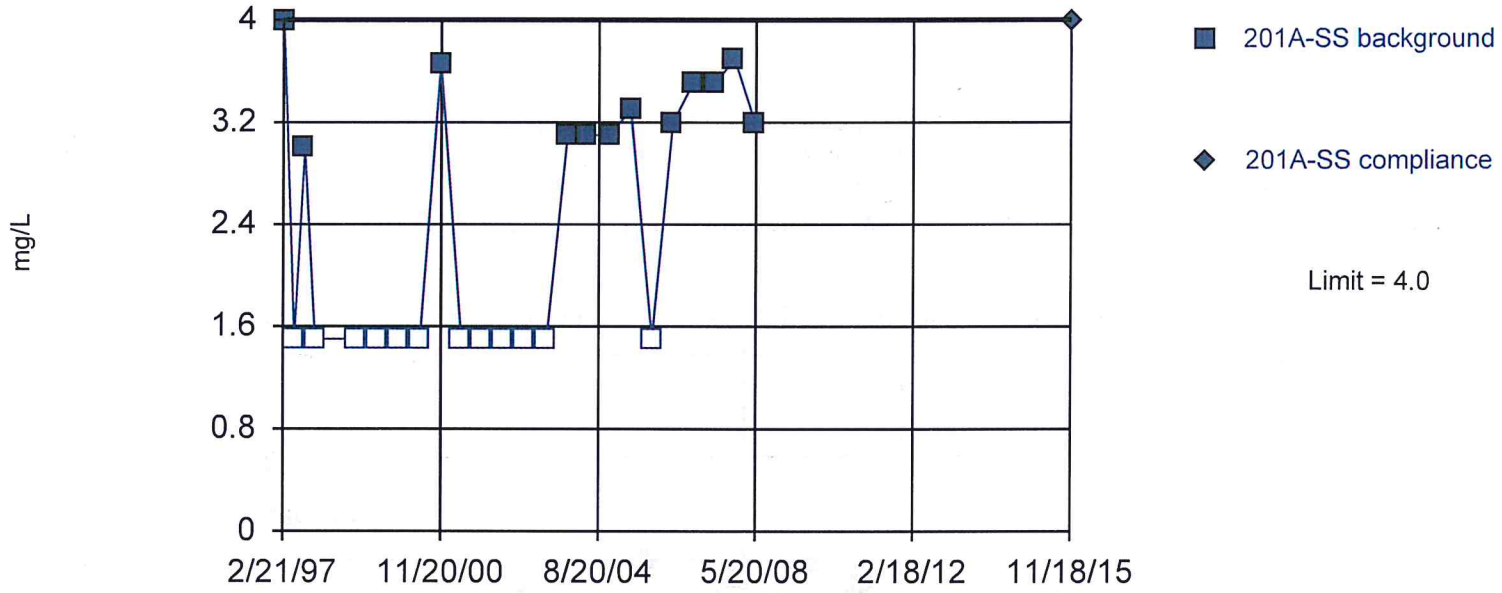
Hollow symbols indicate censored values.

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.

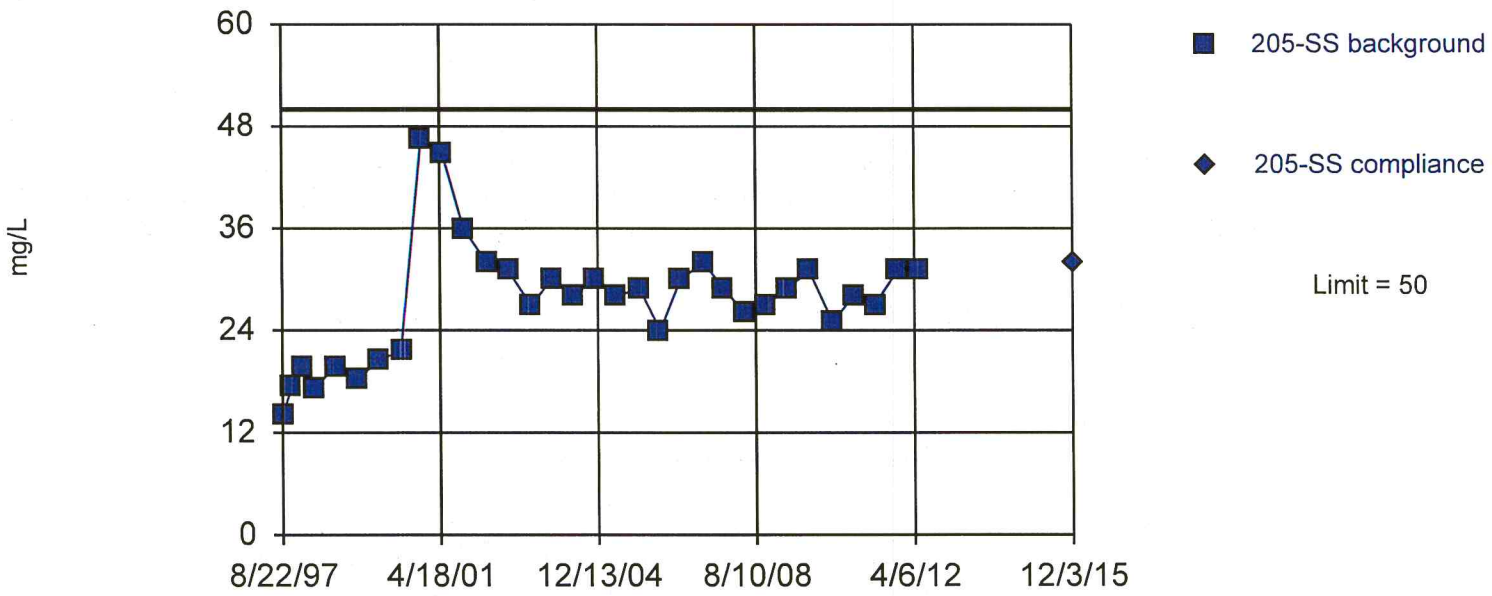
Constituent: Chloride Analysis Run 1/7/2016 2:55 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.7 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

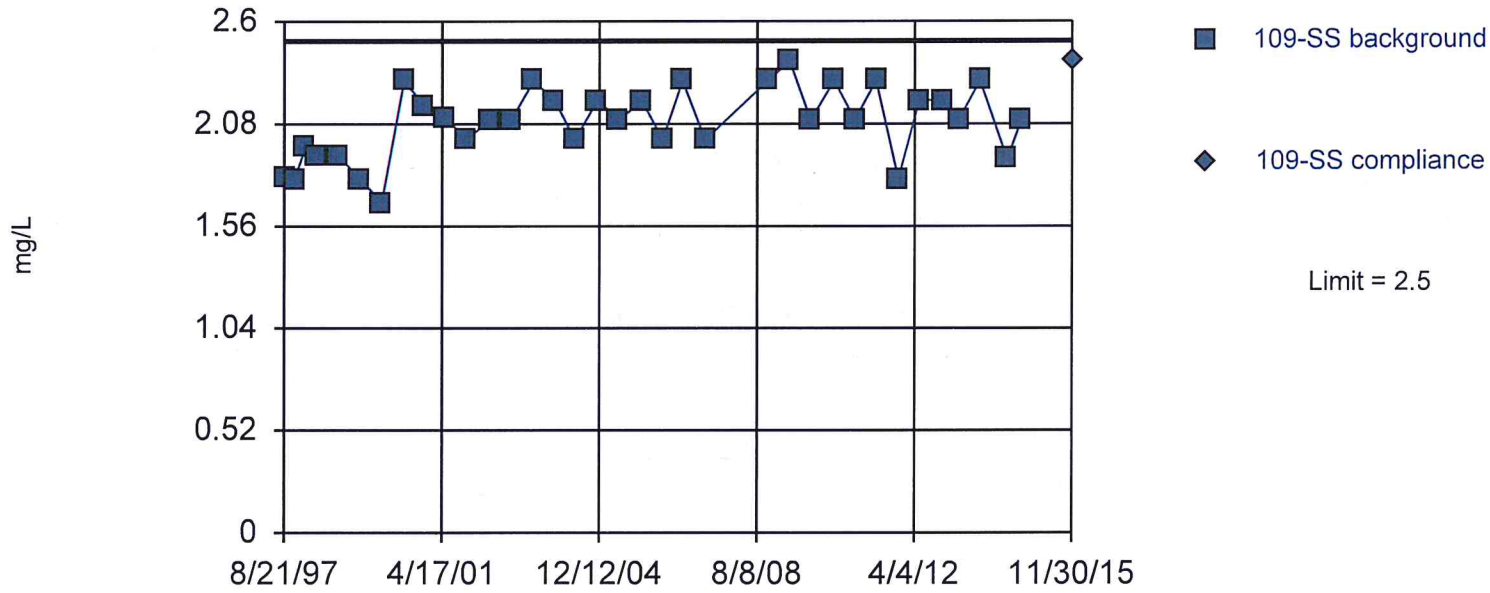
Constituent: Chloride Analysis Run 1/7/2016 2:55 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=9.297, Std. Dev.=2.313, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.952, critical = 0.91. Kappa = 2.664 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

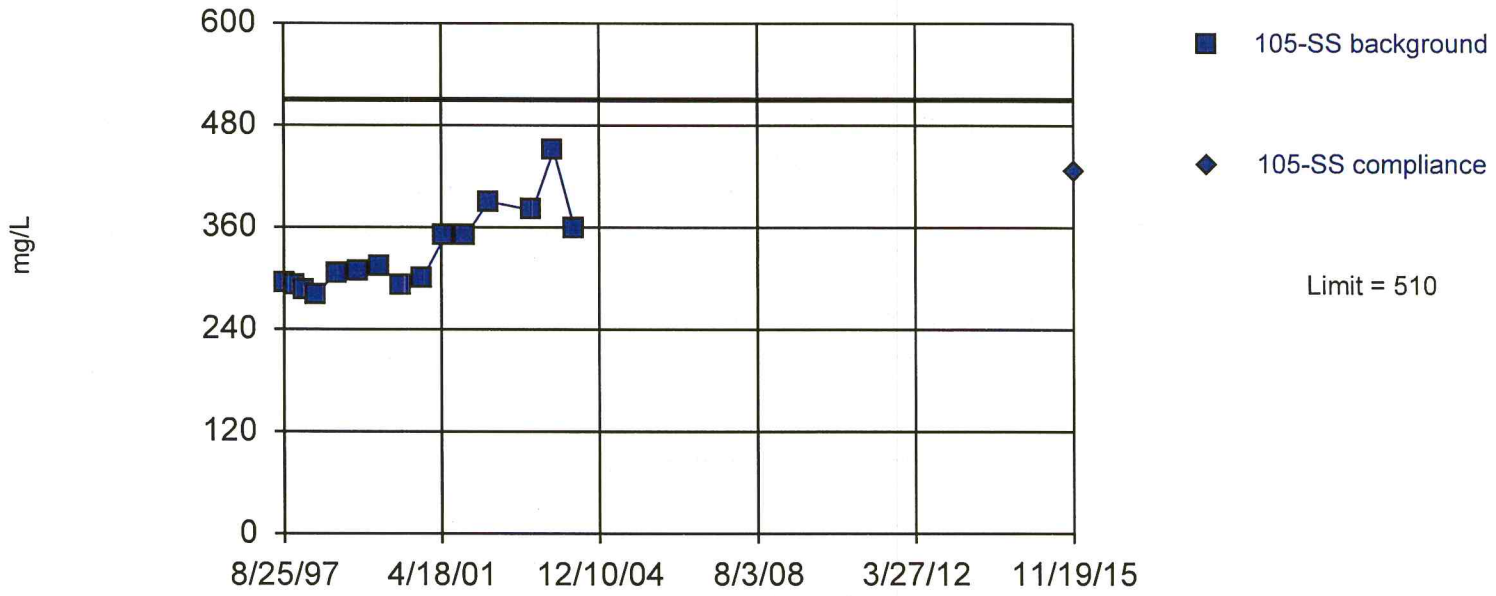
Constituent: Fluoride Analysis Run 1/7/2016 2:56 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 3.25 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. One background outlier was removed: 130 (11/19/2002).

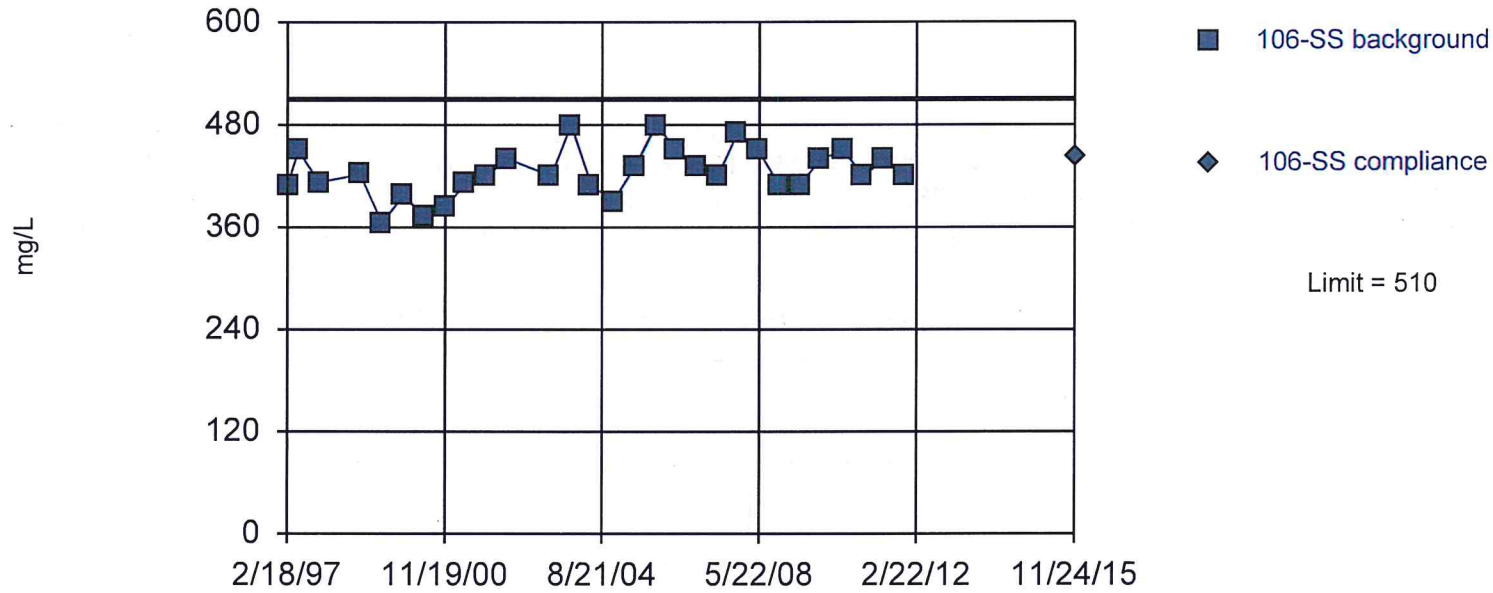
Constituent: Hardness Total Analysis Run 1/7/2016 2:57 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.741 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. Two background outliers were removed: 265 (8/25/1997); 130 (11/19/2002).

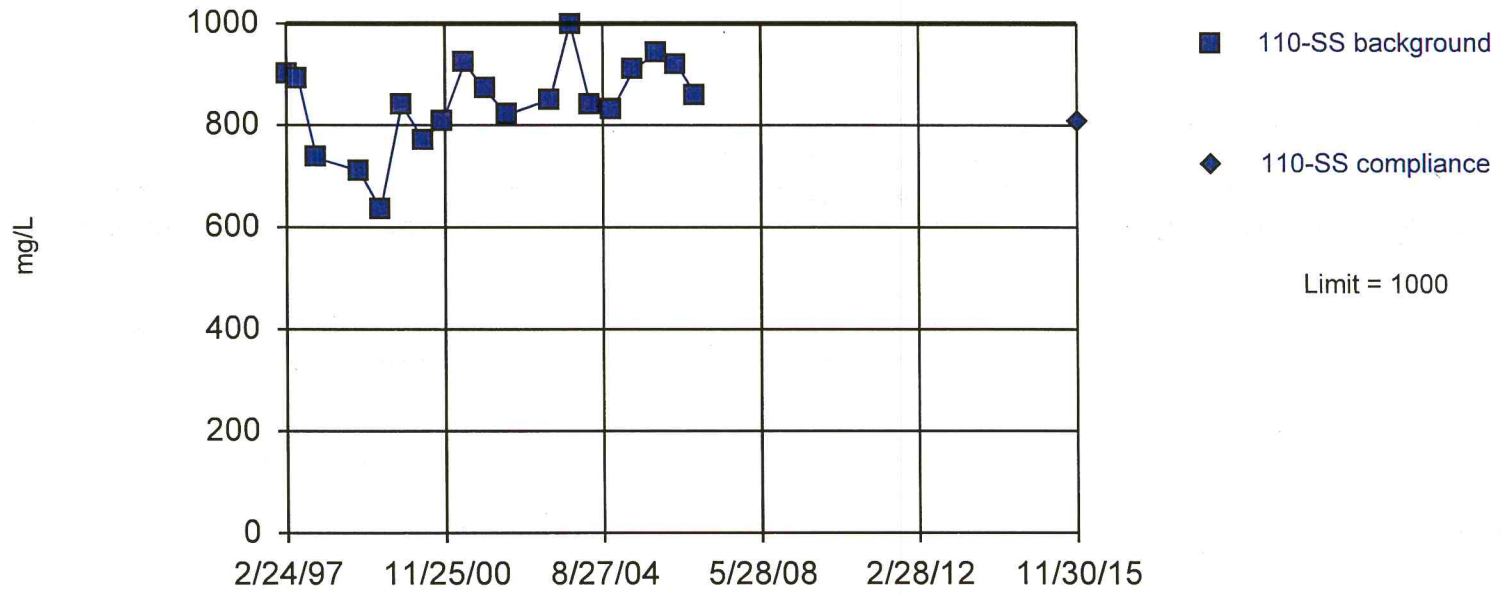
Constituent: Hardness Total Analysis Run 1/7/2016 2:58 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=6.2e8, Std. Dev.=1.8e8, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9879, critical = 0.901. Kappa = 3.006 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. Two background outliers were removed: 437 (8/22/1997); 270 (11/19/2002).

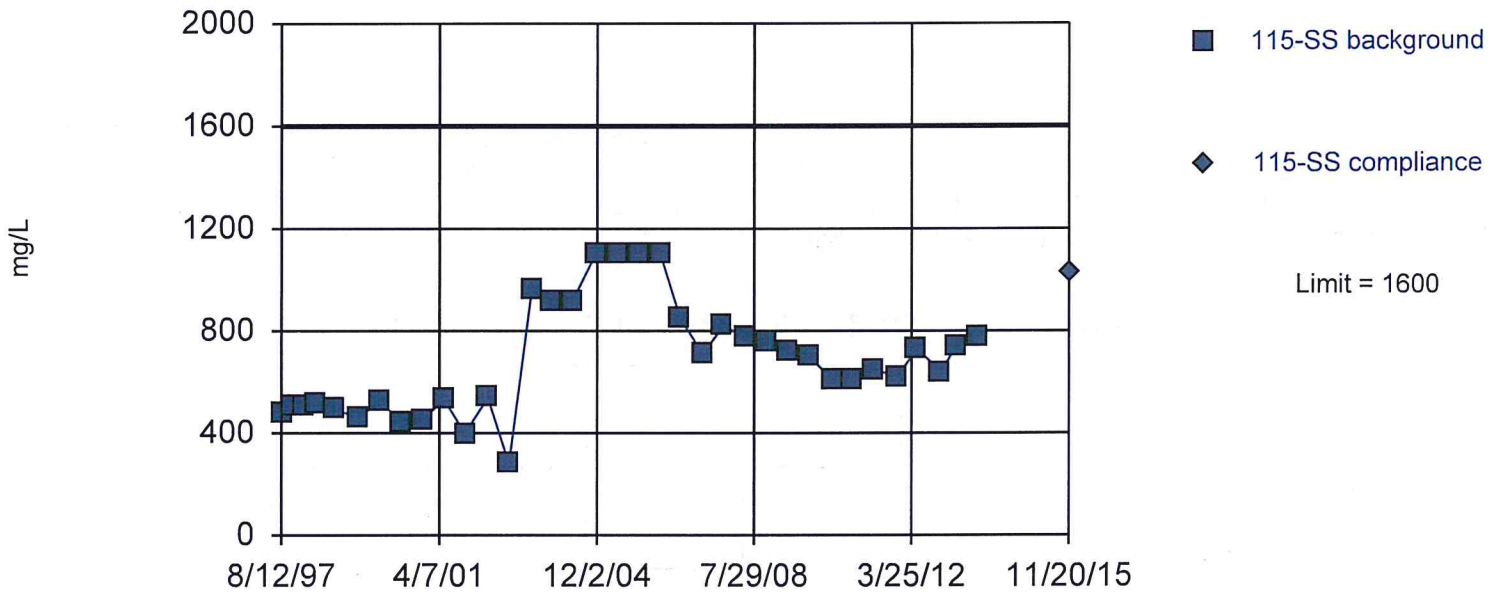
Constituent: Hardness Total Analysis Run 1/7/2016 2:58 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.664 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

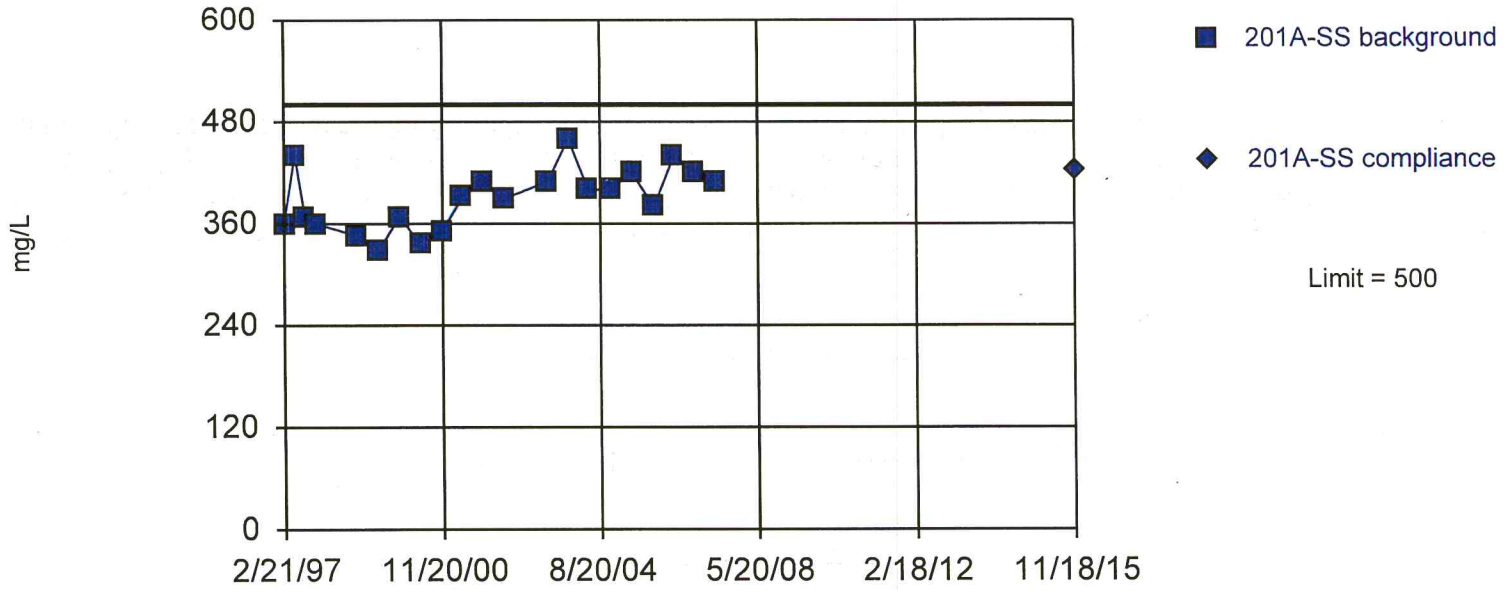
Constituent: Hardness Total Analysis Run 1/7/2016 2:59 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.928 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. One background outlier was removed: 120 (11/19/2002).

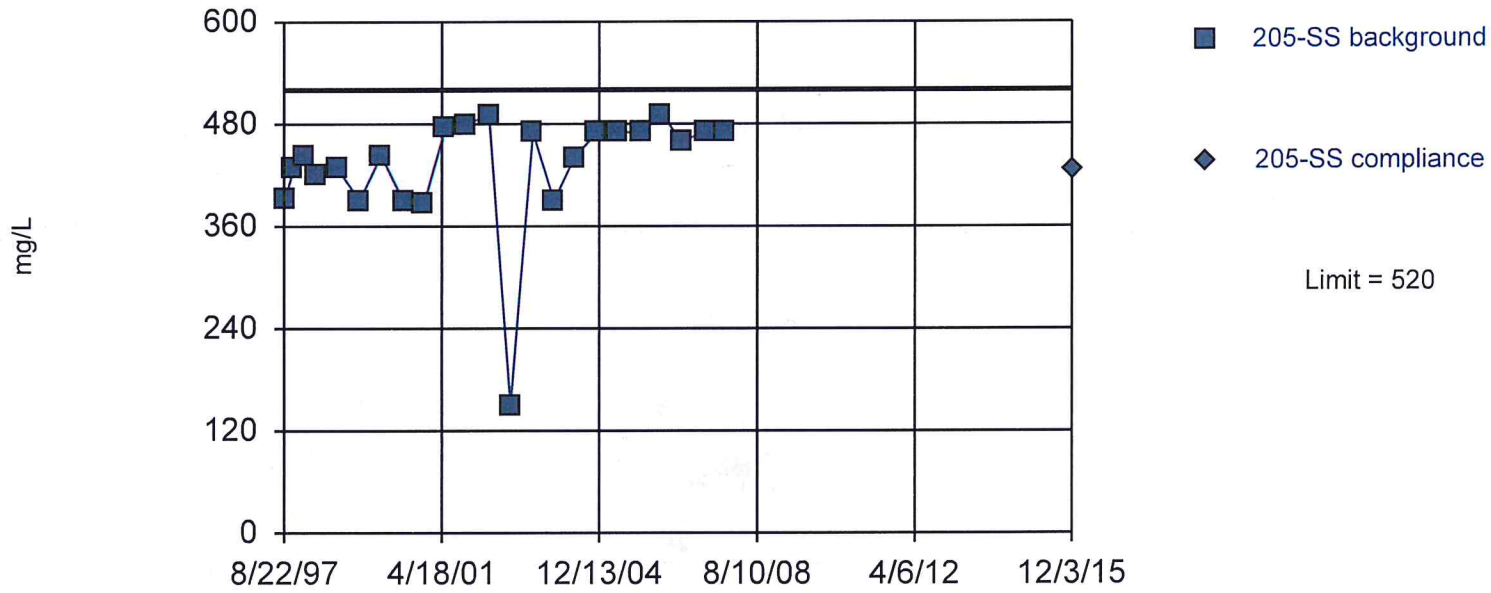
Constituent: Hardness Total Analysis Run 1/7/2016 3:00 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.87 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. After outlier removal distribution was non-normal, so outlier results were invalidated.

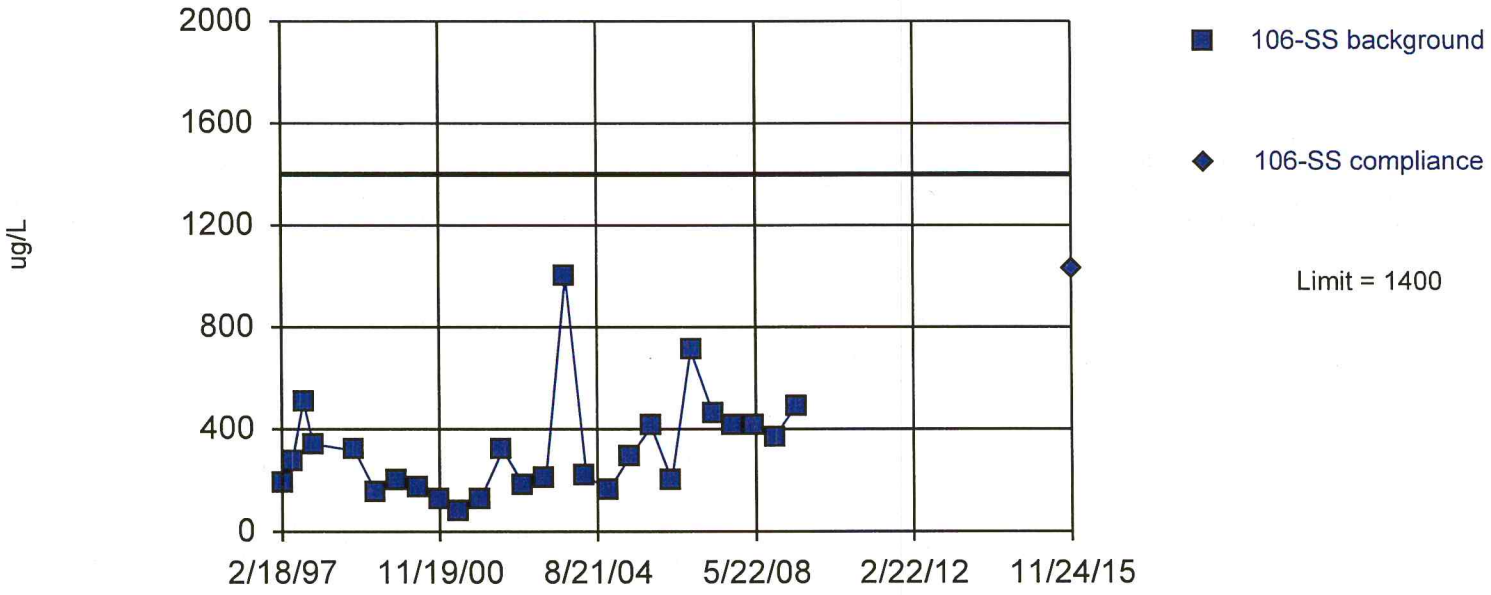
Constituent: Hardness Total Analysis Run 1/7/2016 3:00 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within 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 = 2.795 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

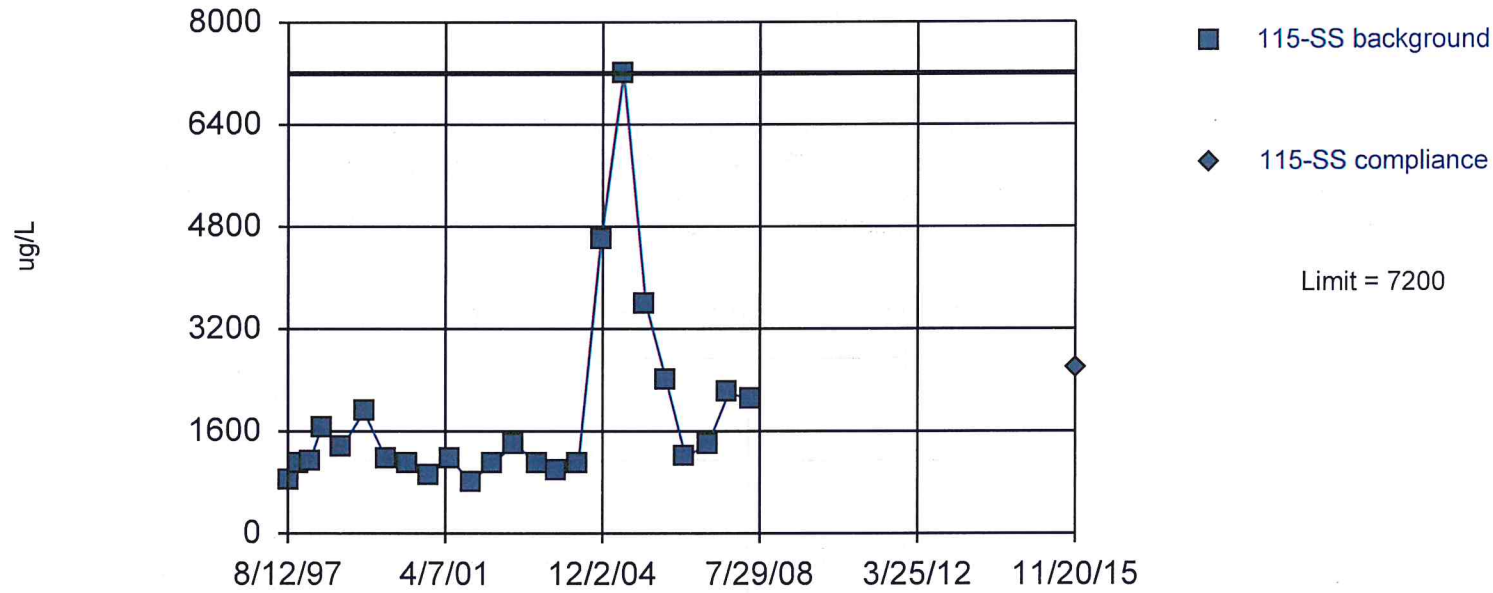
Constituent: Iron Total Analysis Run 1/7/2016 3:01 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

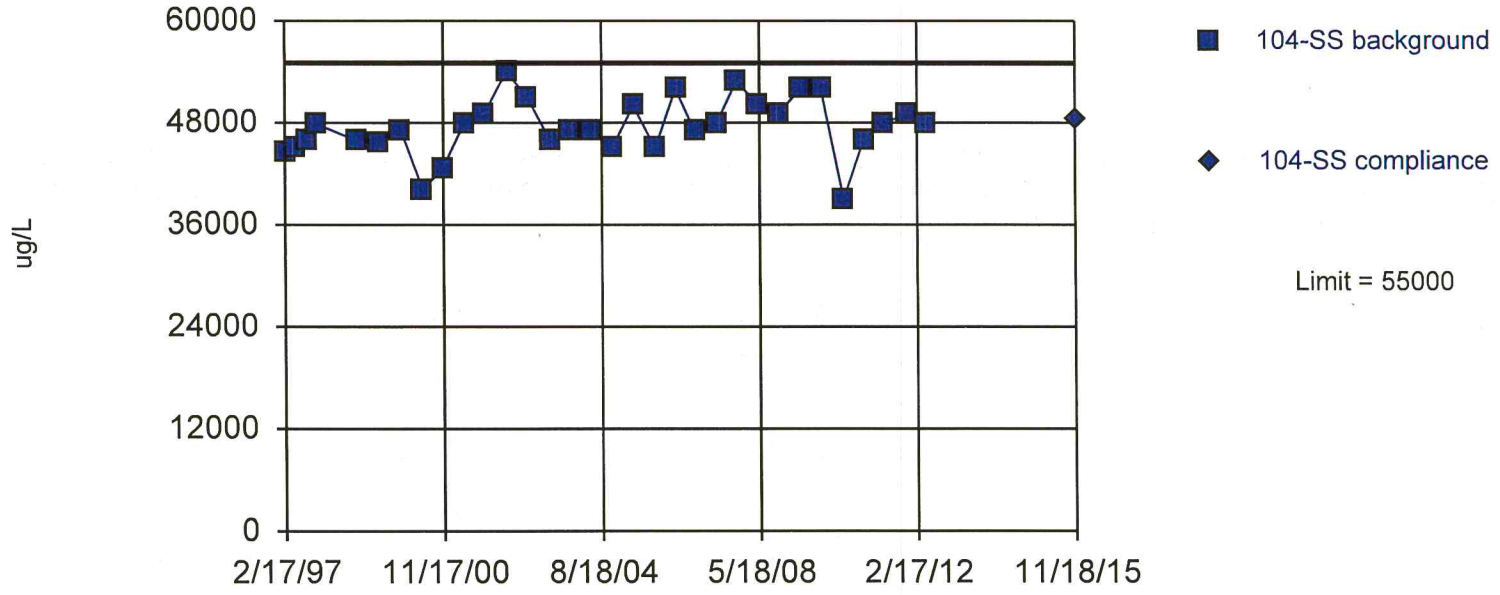
Constituent: Iron Total Analysis Run 1/7/2016 3:01 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.7 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

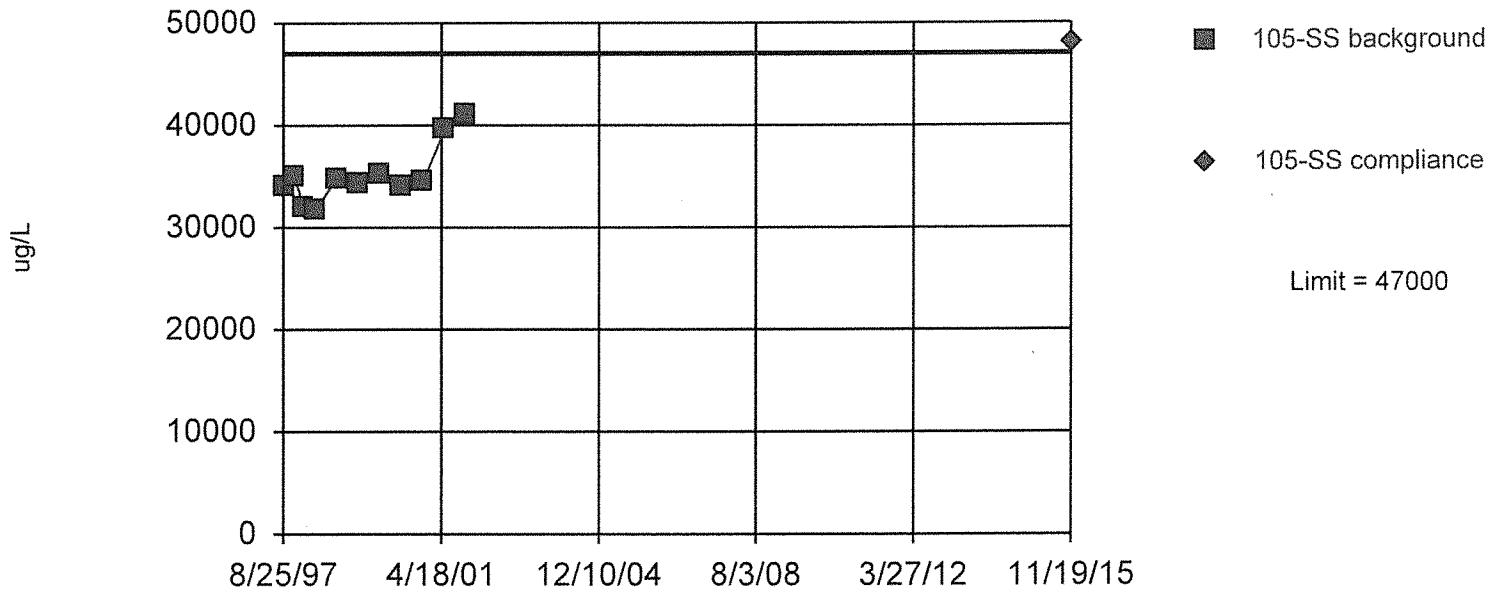
Constituent: Magnesium Total Analysis Run 1/7/2016 3:03 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 3.728 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

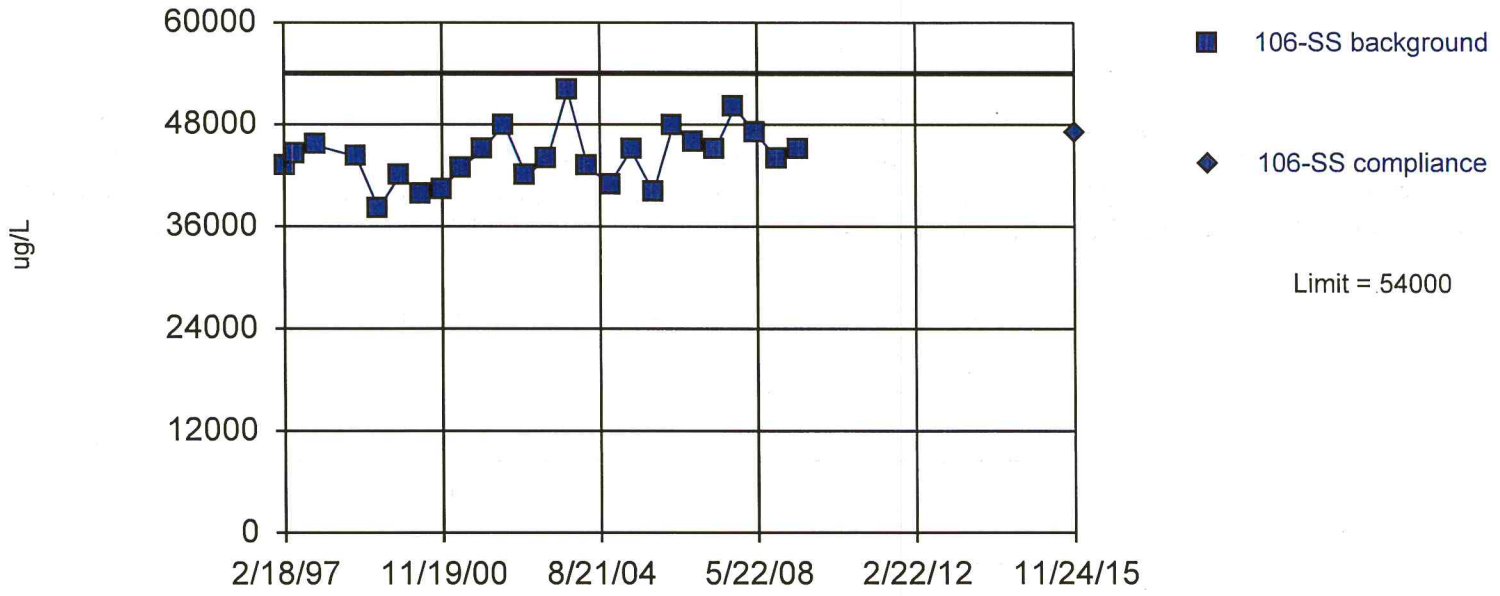
Constituent: Magnesium Total Analysis Run 1/7/2016 3:04 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.812 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 28000 (8/25/1997).

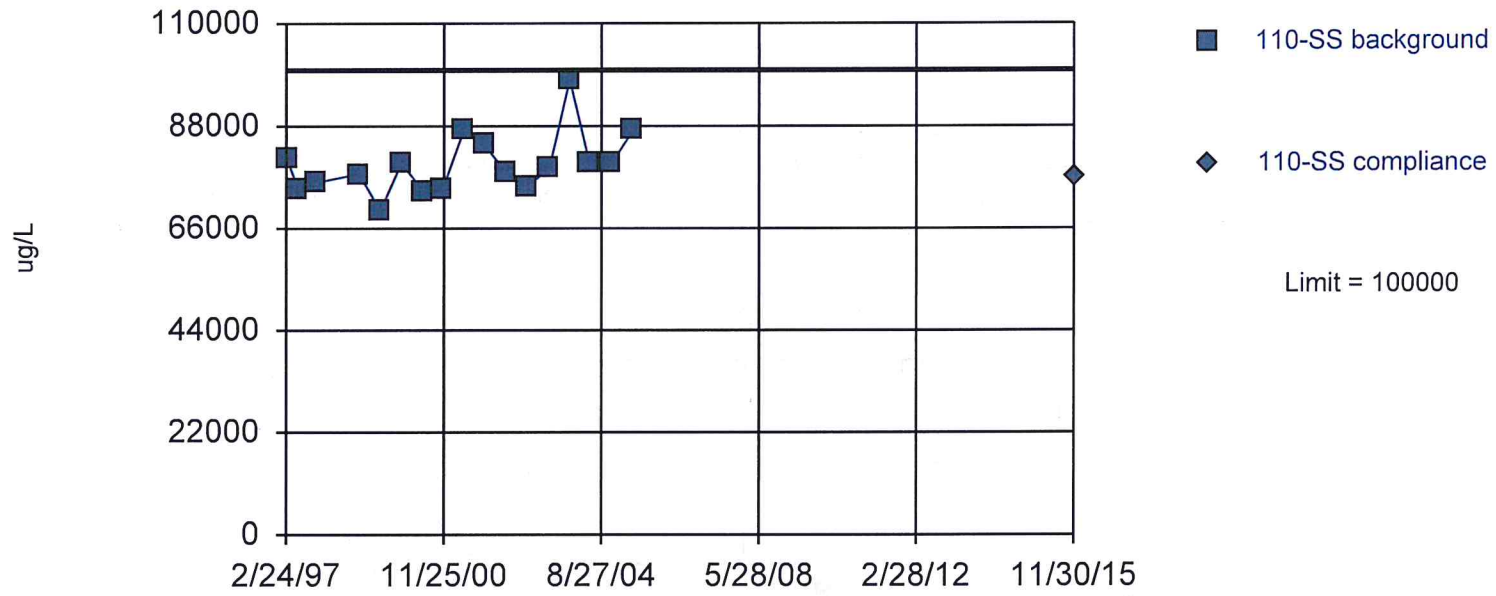
Constituent: Magnesium Total Analysis Run 1/7/2016 3:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=11.28, Std. Dev.=0.07957, n=17. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9293, critical = 0.892. Kappa = 3.104 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. One background outlier was removed: 51000 (8/22/1997).

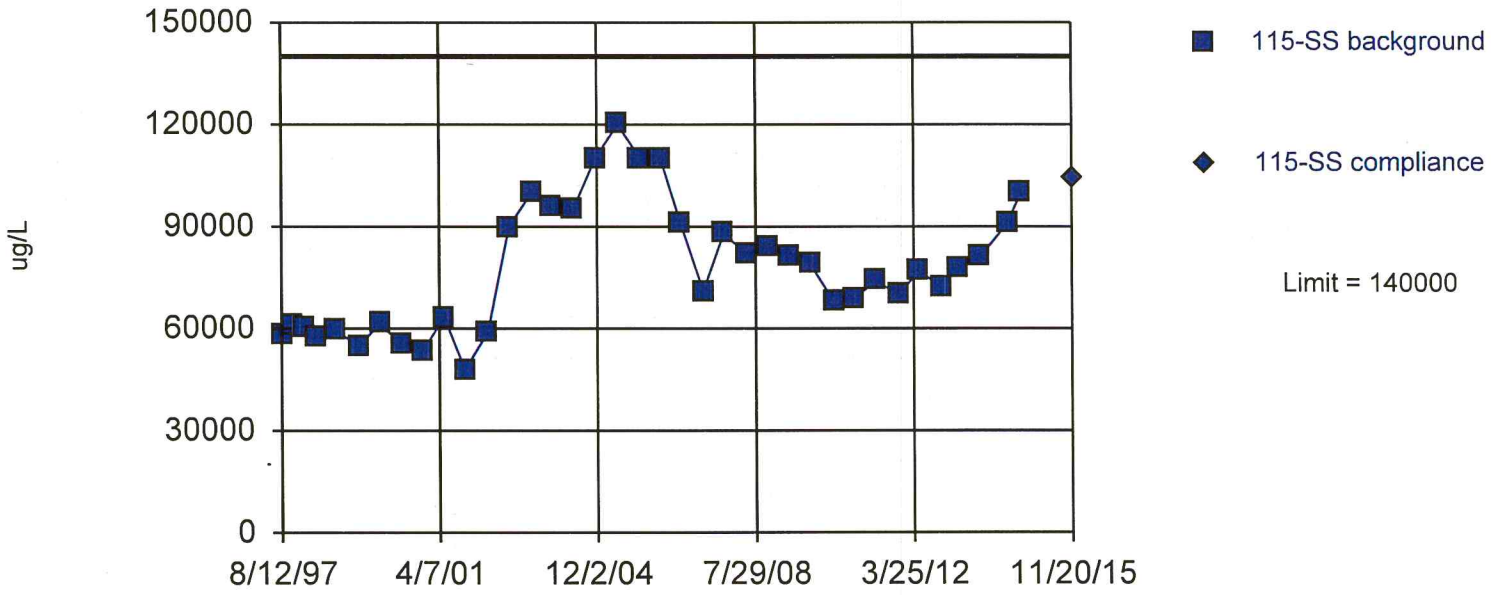
Constituent: Magnesium Total Analysis Run 1/7/2016 3:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

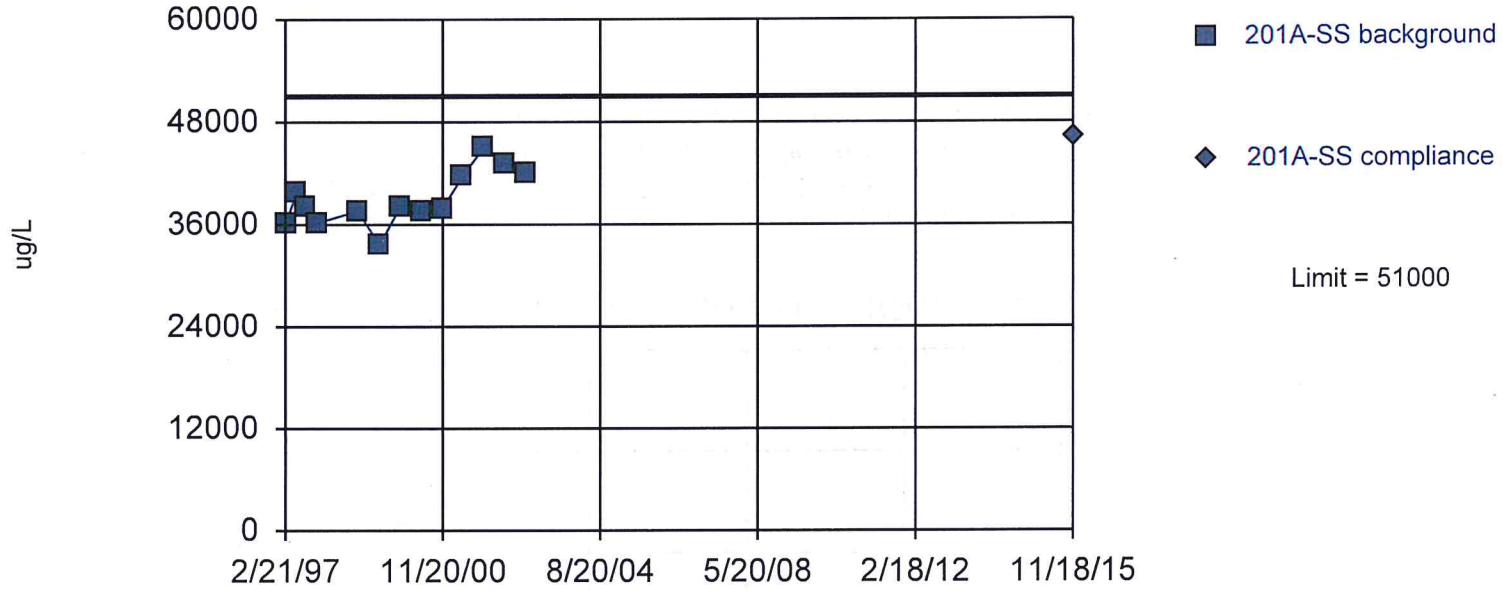
Constituent: Magnesium Total Analysis Run 1/7/2016 3:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 3.446 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

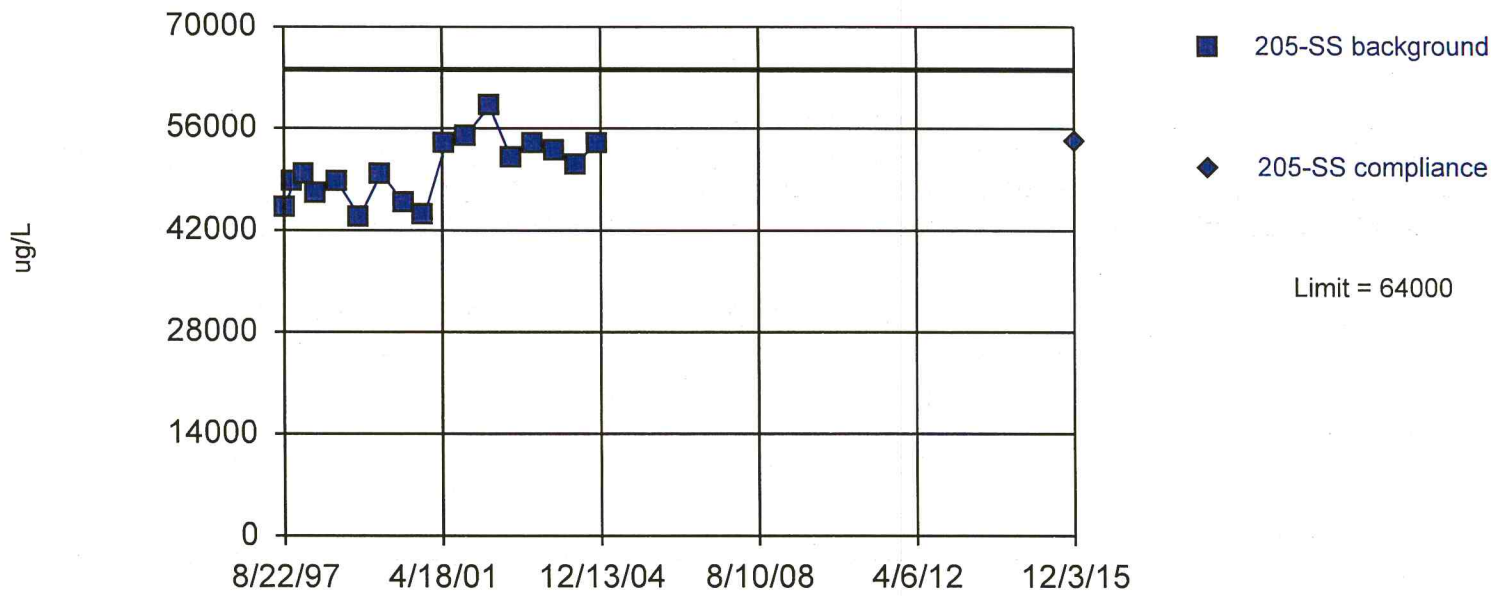
Constituent: Magnesium Total Analysis Run 1/7/2016 3:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 3.104 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 3:07 PM

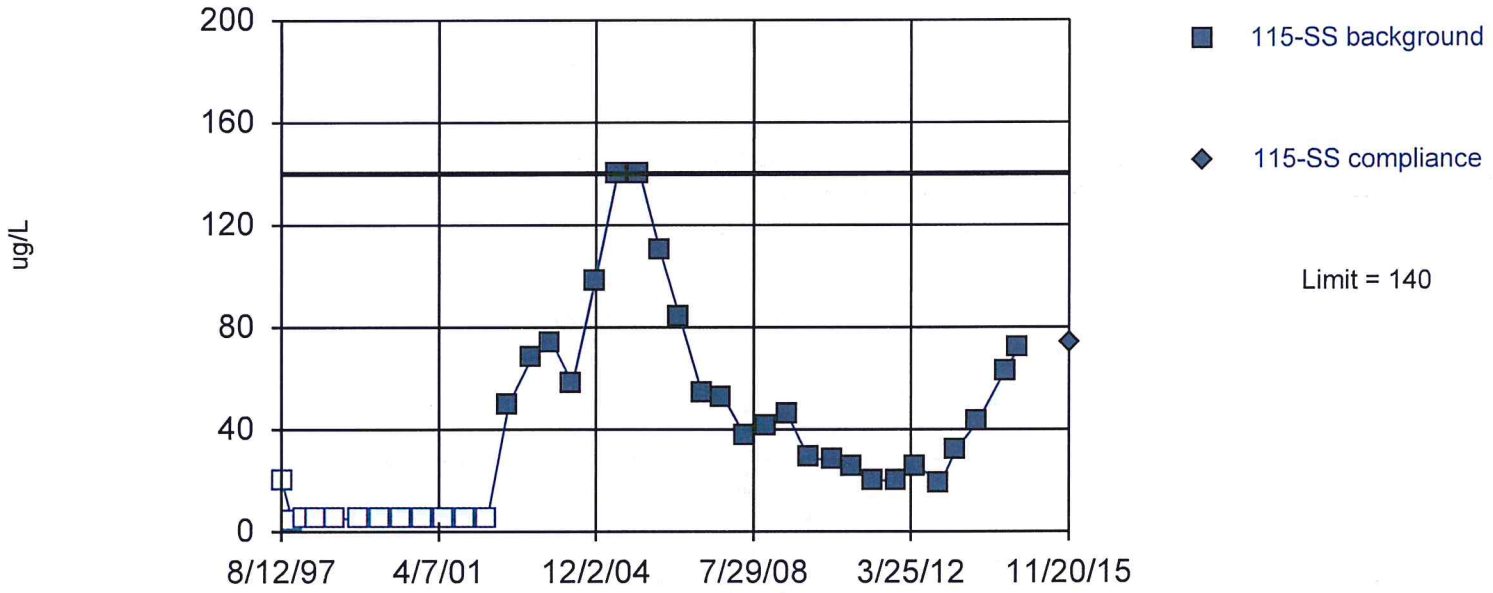
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 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 1/7/2016 3:09 PM

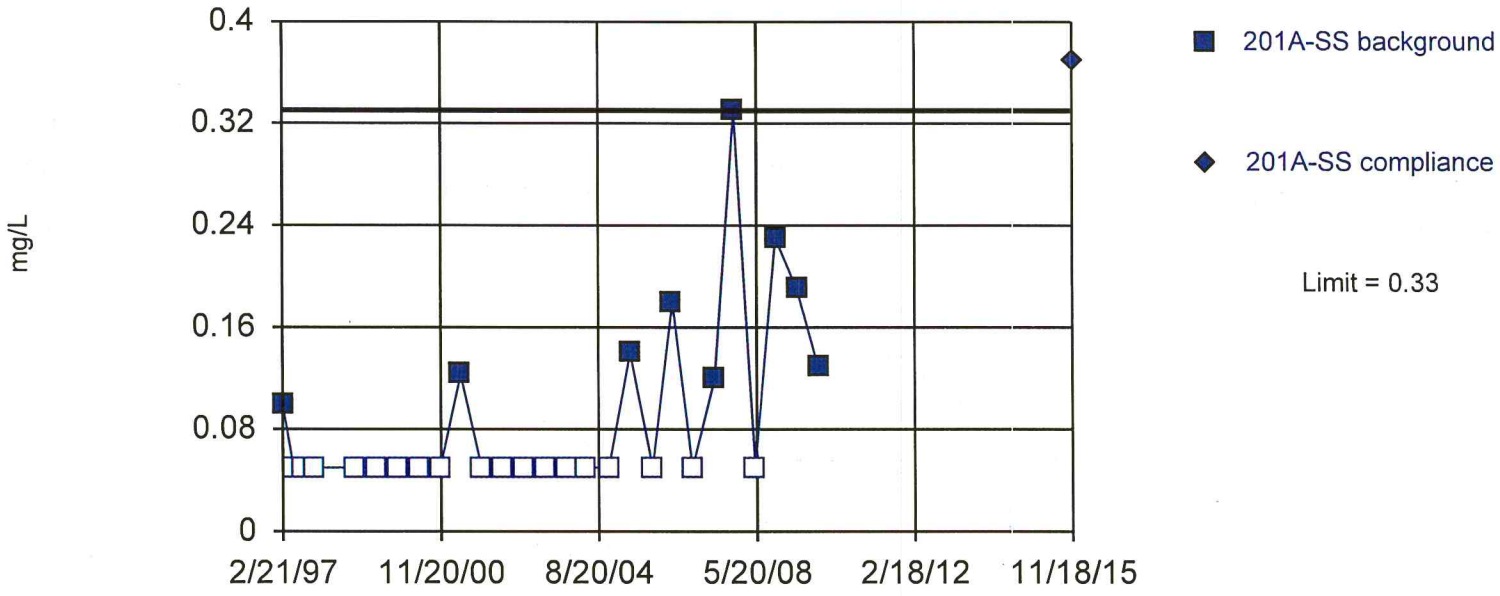
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 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.

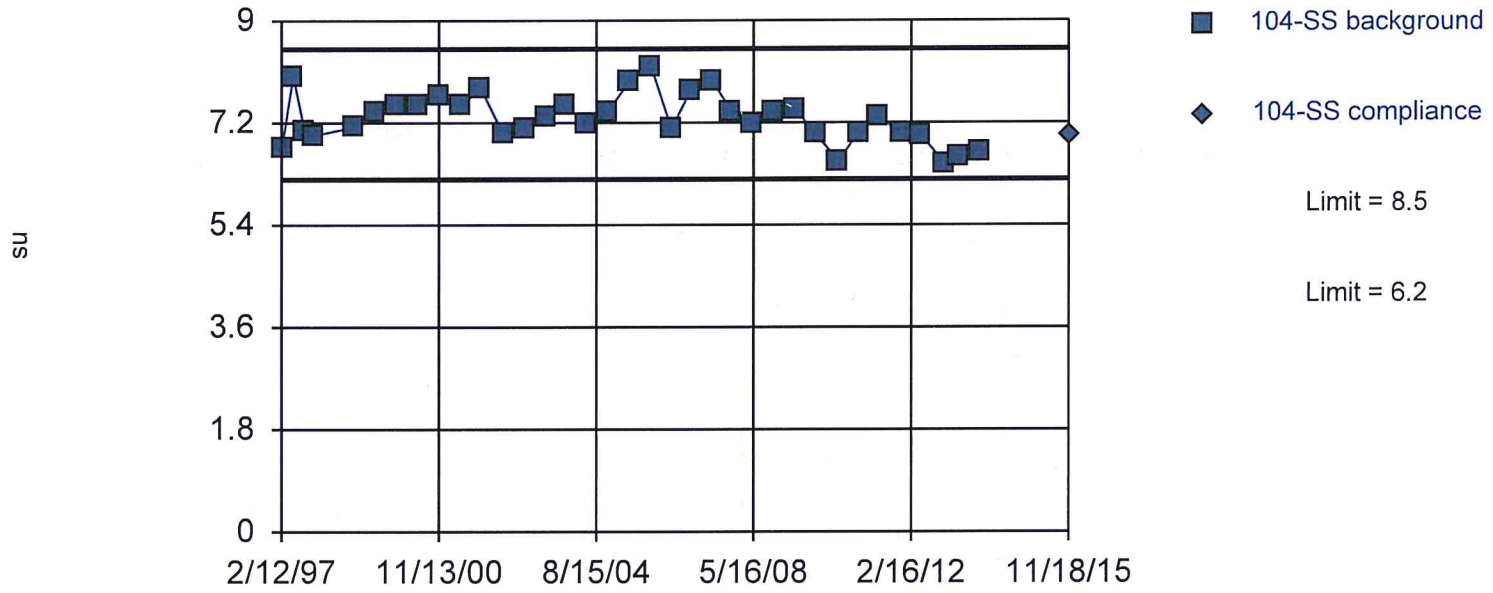
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 3:09 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.664 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

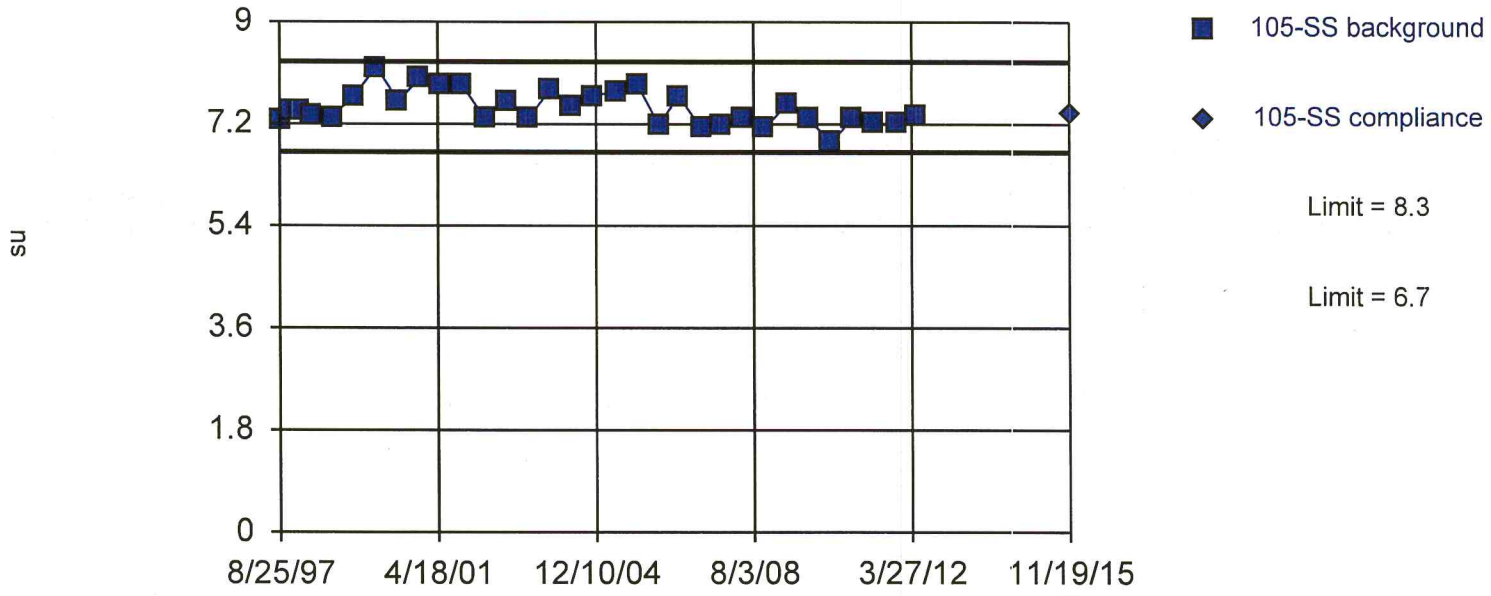
Constituent: pH [Field] Analysis Run 1/7/2016 3:11 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.7 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

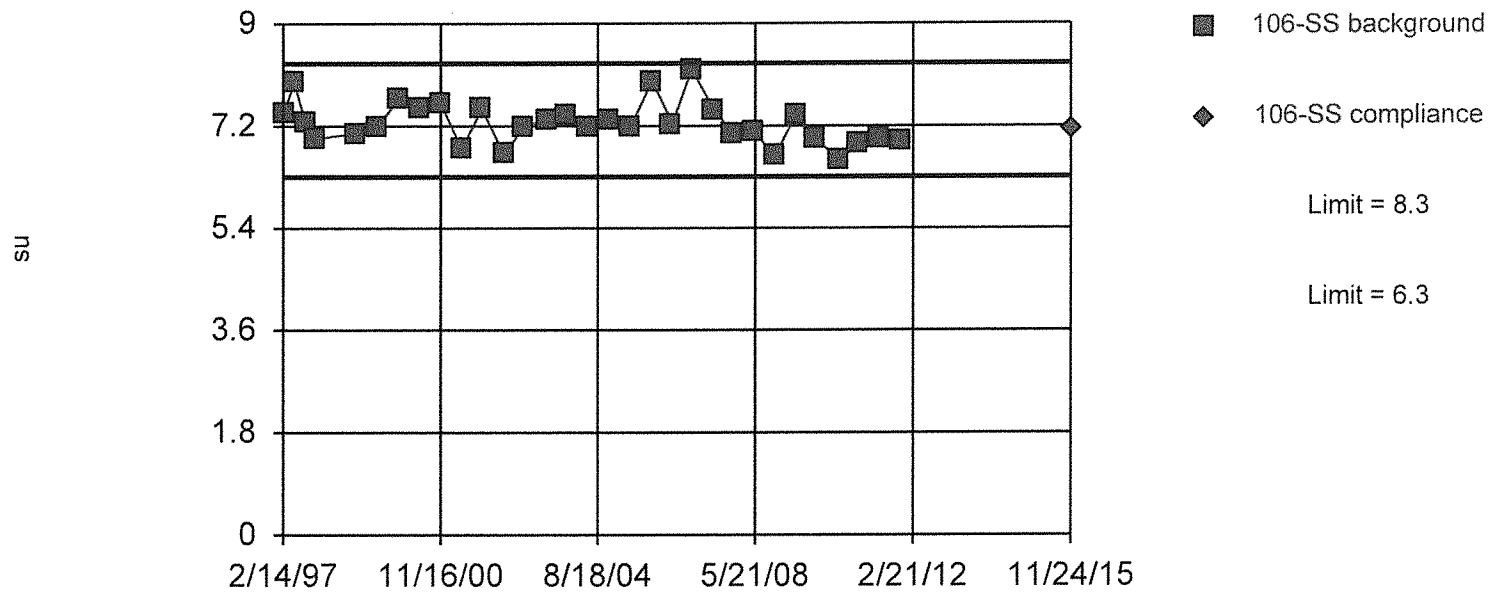
Constituent: pH [Field] Analysis Run 1/7/2016 3:11 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.712 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

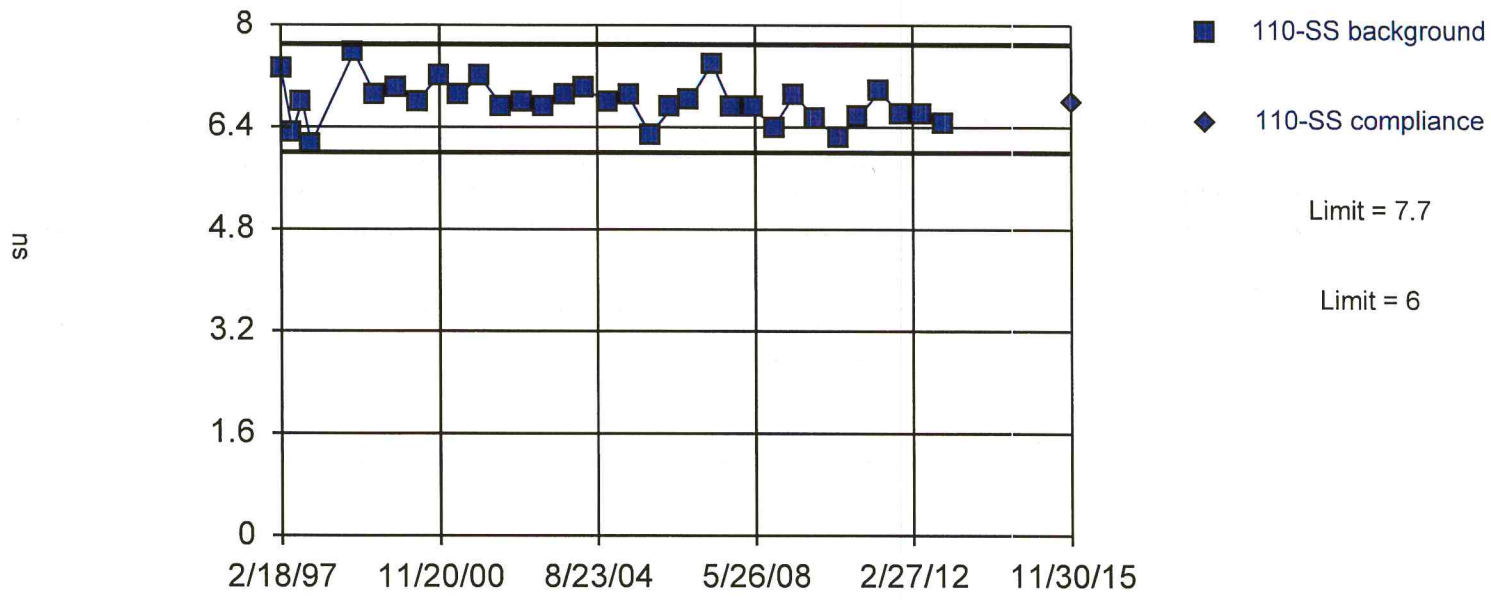
Constituent: pH [Field] Analysis Run 1/7/2016 3:12 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.914, Std. Dev.=0.04822, n=33. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9795, critical = 0.906. Kappa = 2.688 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

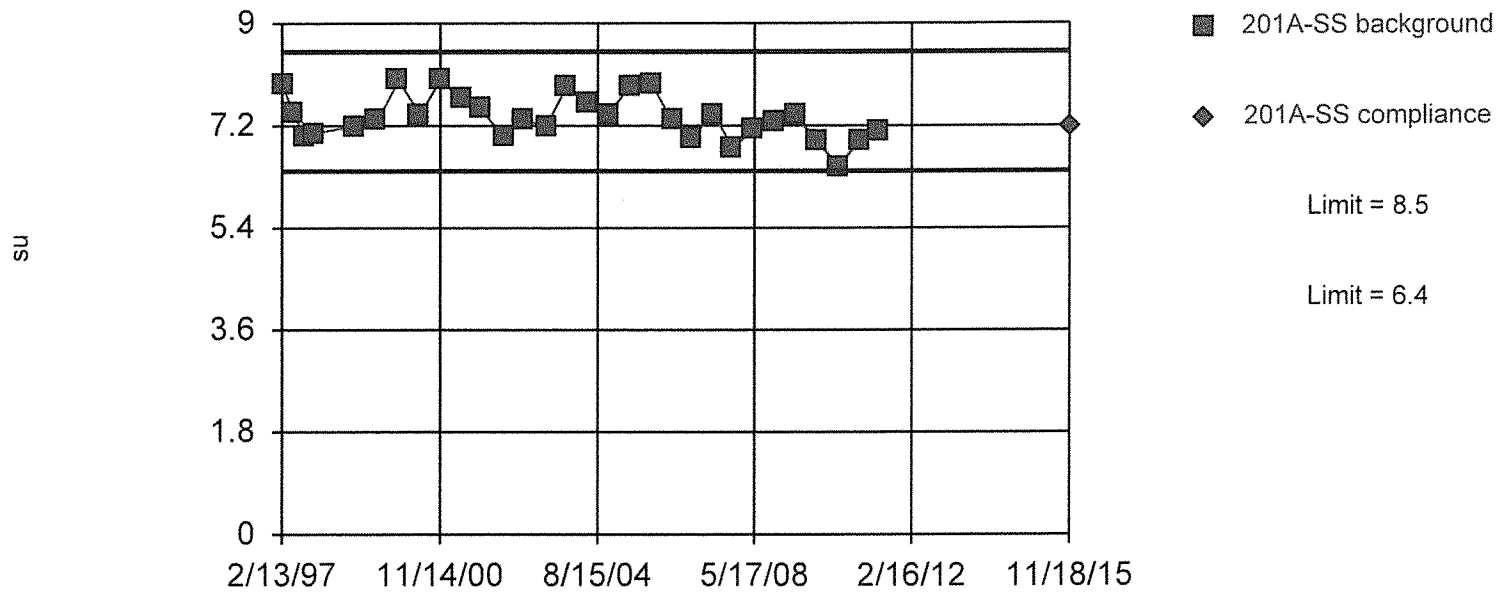
Constituent: pH [Field] Analysis Run 1/7/2016 3:12 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.724 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

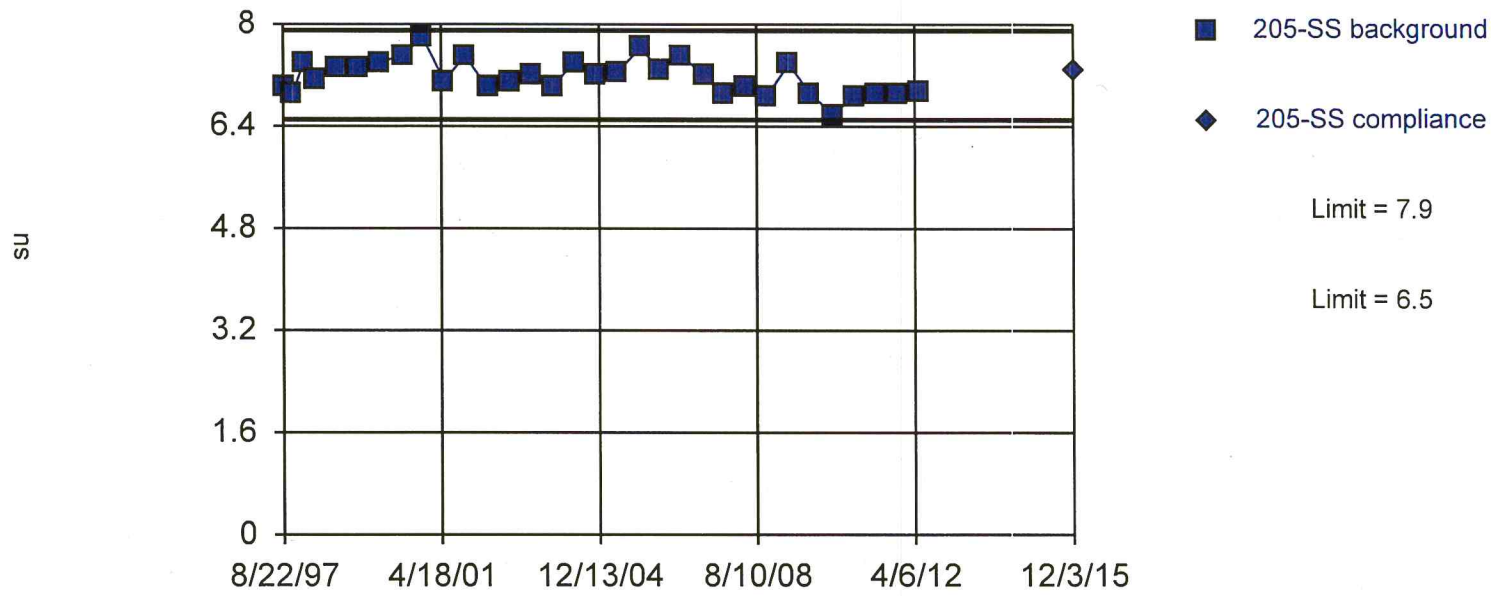
Constituent: pH [Field] Analysis Run 1/7/2016 3:13 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.7 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 3:14 PM

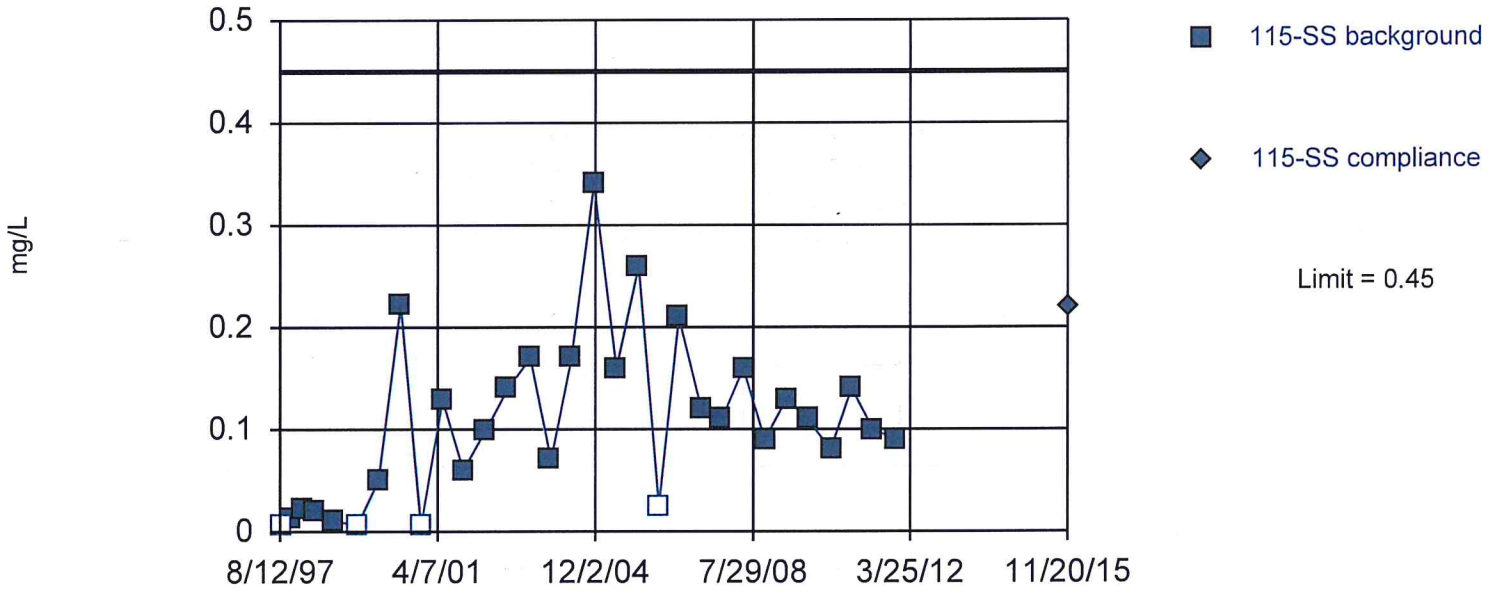
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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=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 = 2.712 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

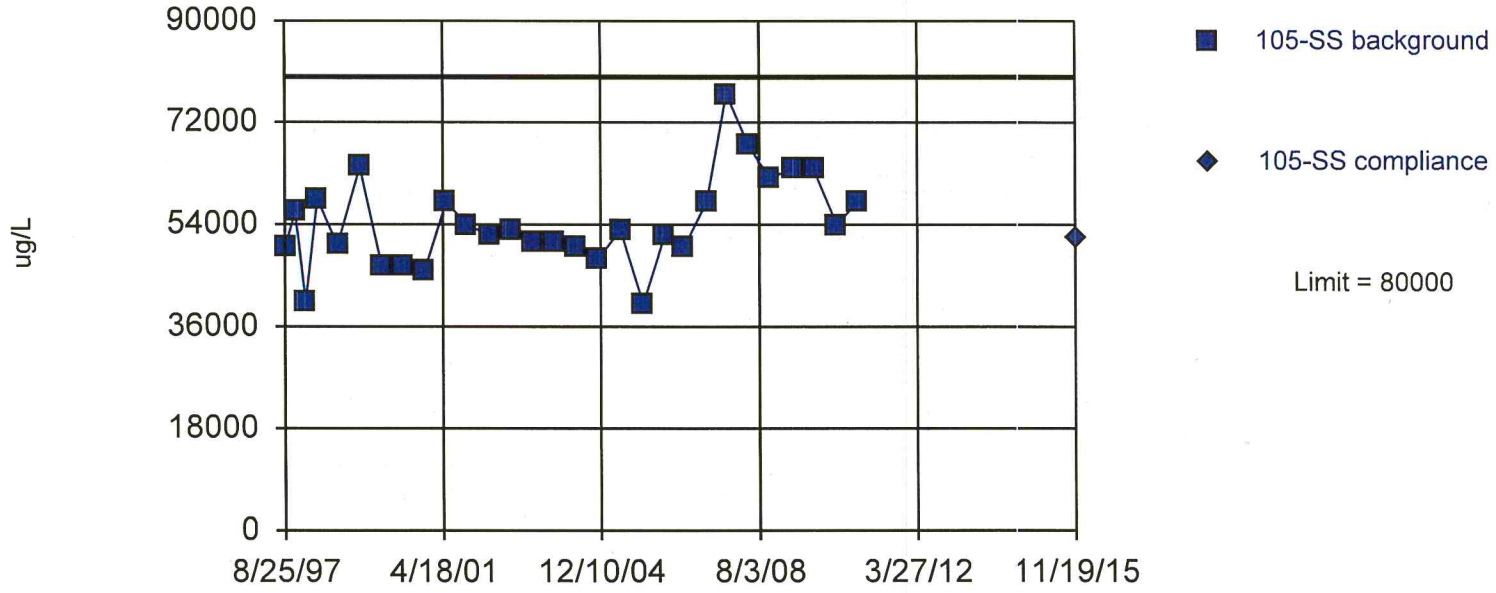
Constituent: Phosphorus Total Analysis Run 1/7/2016 3:14 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.741 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

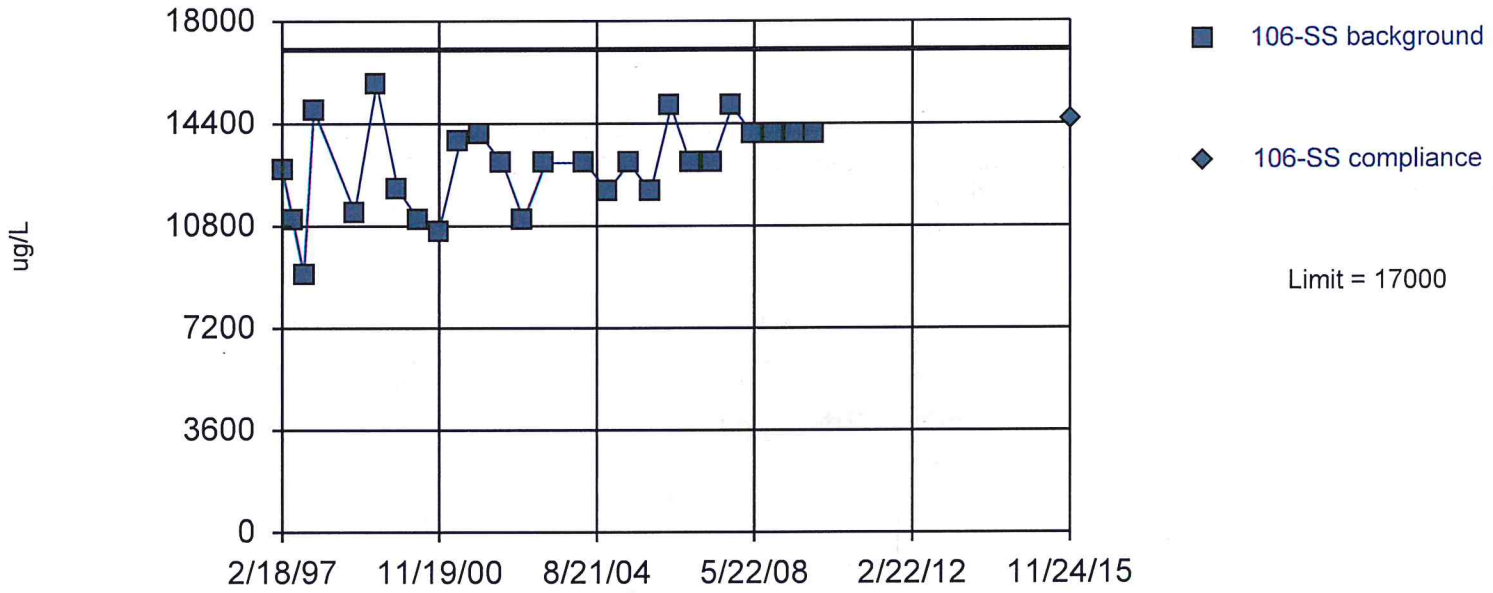
Constituent: Sodium Total Analysis Run 1/7/2016 3:15 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within 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 = 2.795 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 20000 (11/20/2003).

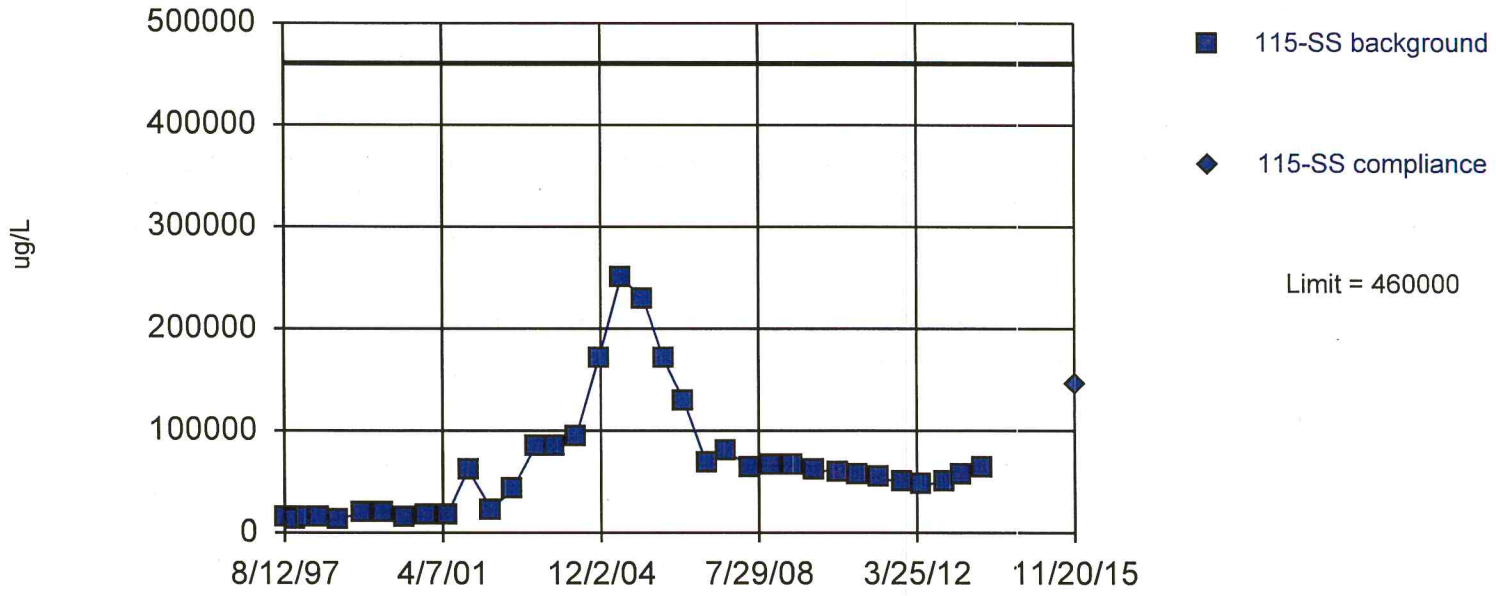
Constituent: Sodium Total Analysis Run 1/7/2016 3:20 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.664 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

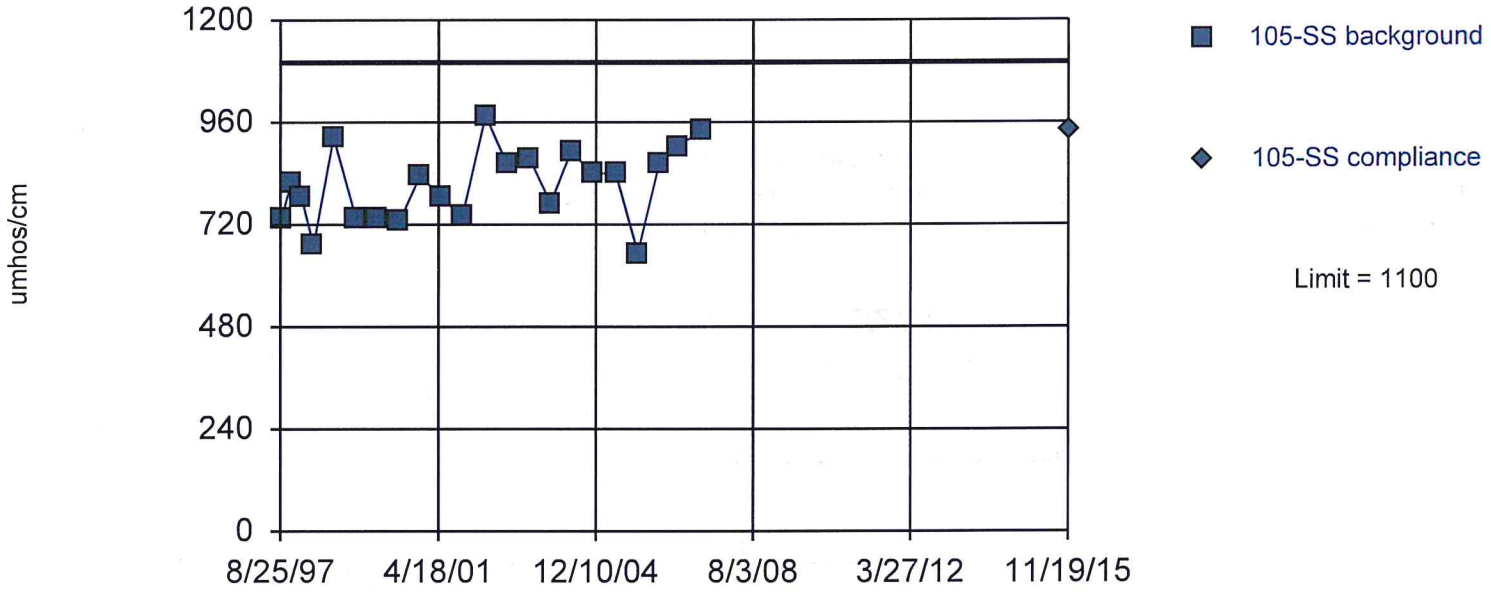
Constituent: Sodium Total Analysis Run 1/7/2016 3:21 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.899 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

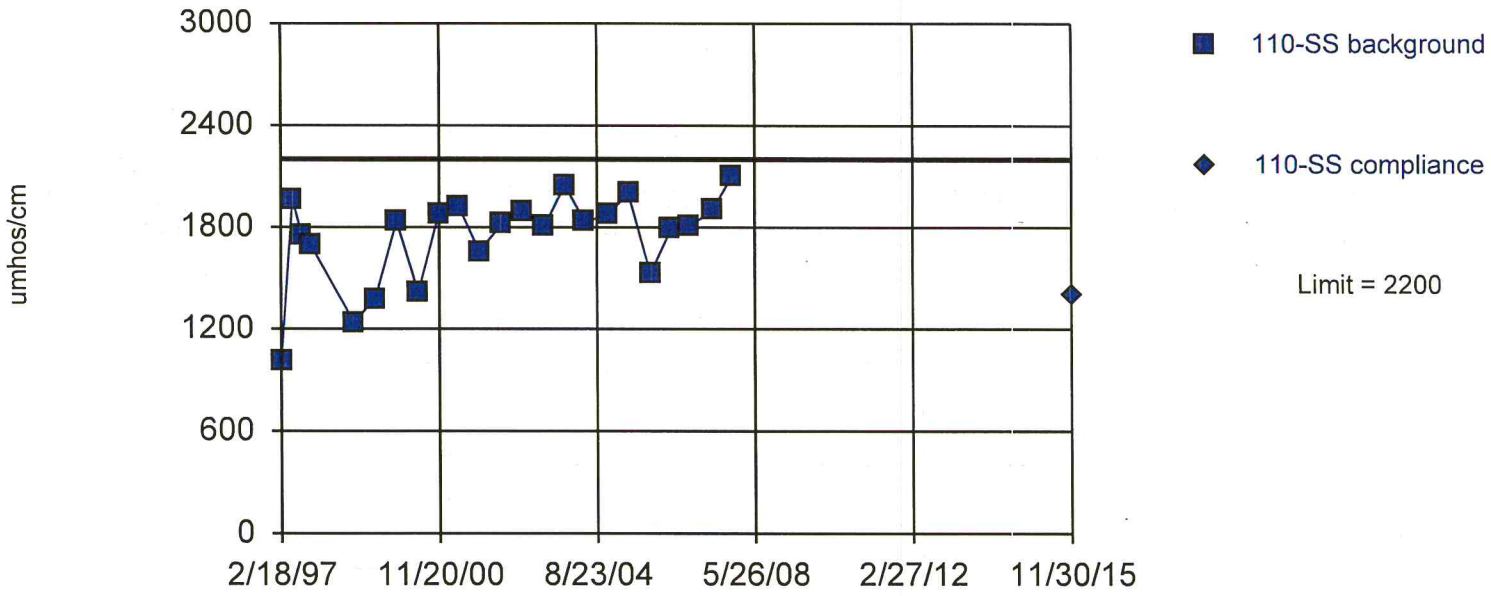
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 3:21 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^5 transformation): Mean=1.9e16, Std. Dev.=1.0e16, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9728, critical = 0.881. Kappa = 2.87 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. No background outliers were found.

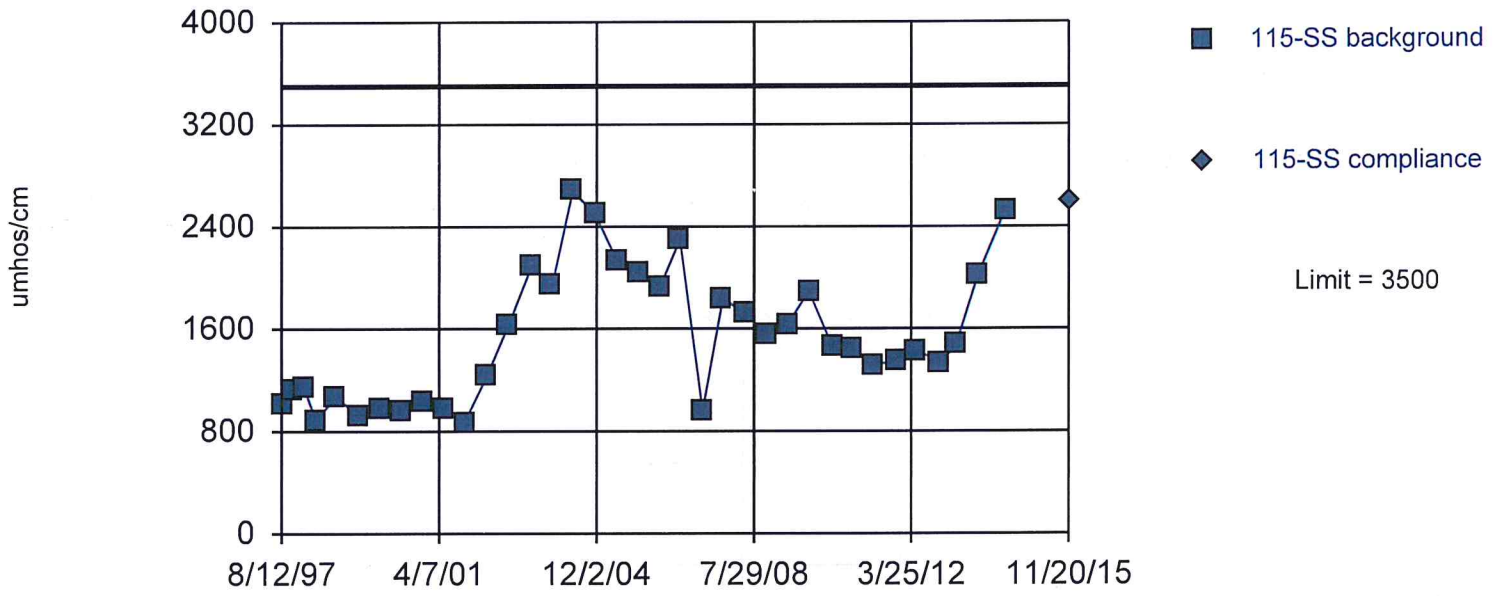
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 3:22 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.654 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

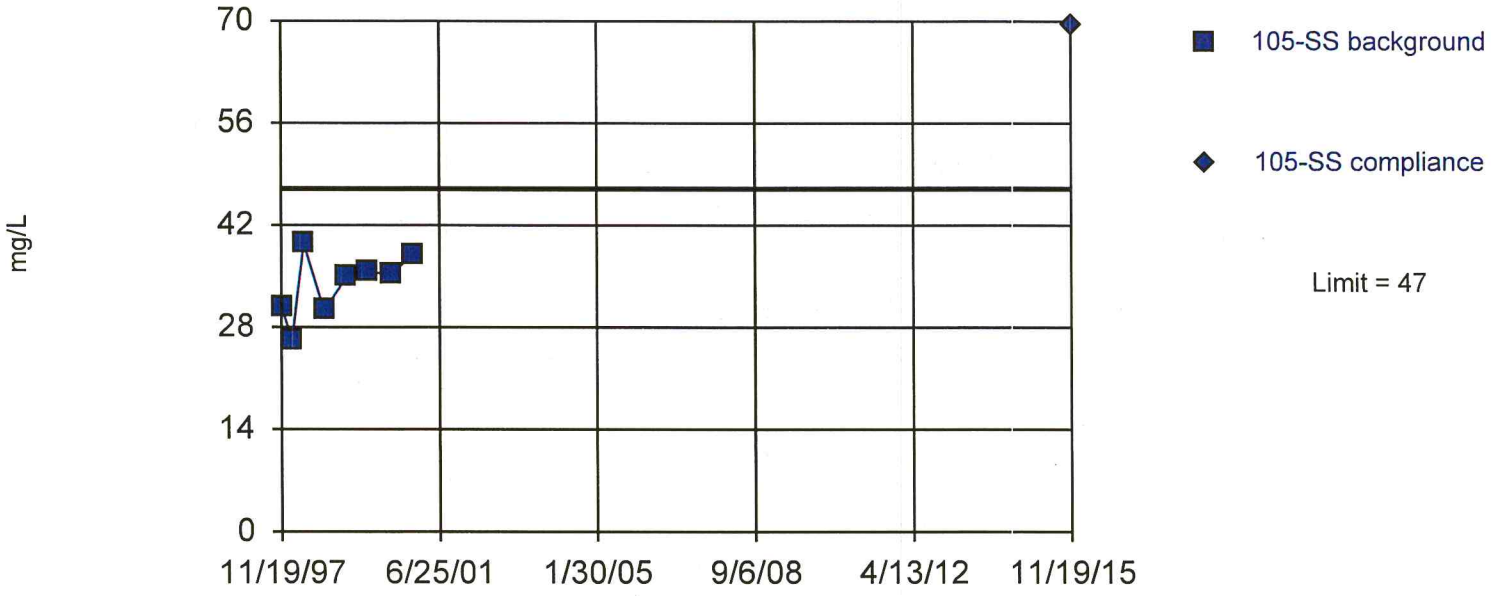
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 3:23 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Exceeds 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 = 4.597 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Dixon's outlier test was performed on the background data. One background outlier was removed: 13 (8/25/1997).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 3:23 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. Rosner's outlier test was performed on the background data. One background outlier was removed: 99 (2/21/1997).

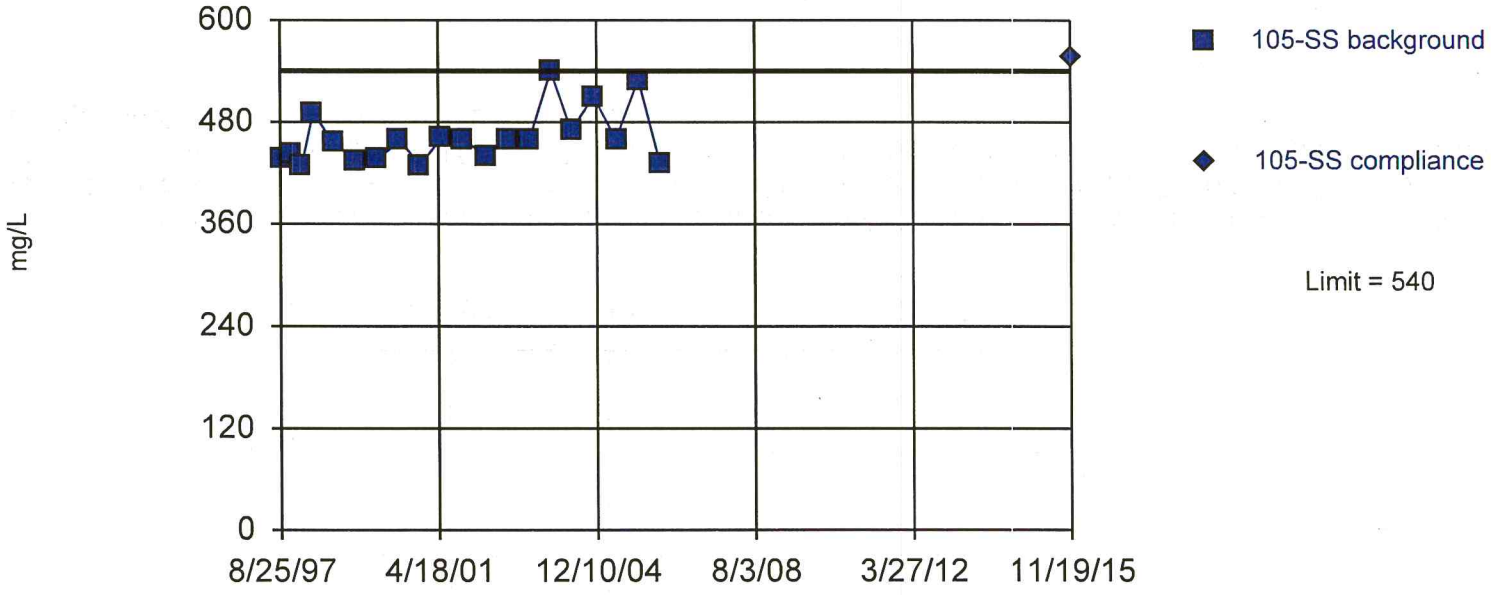
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 3:24 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

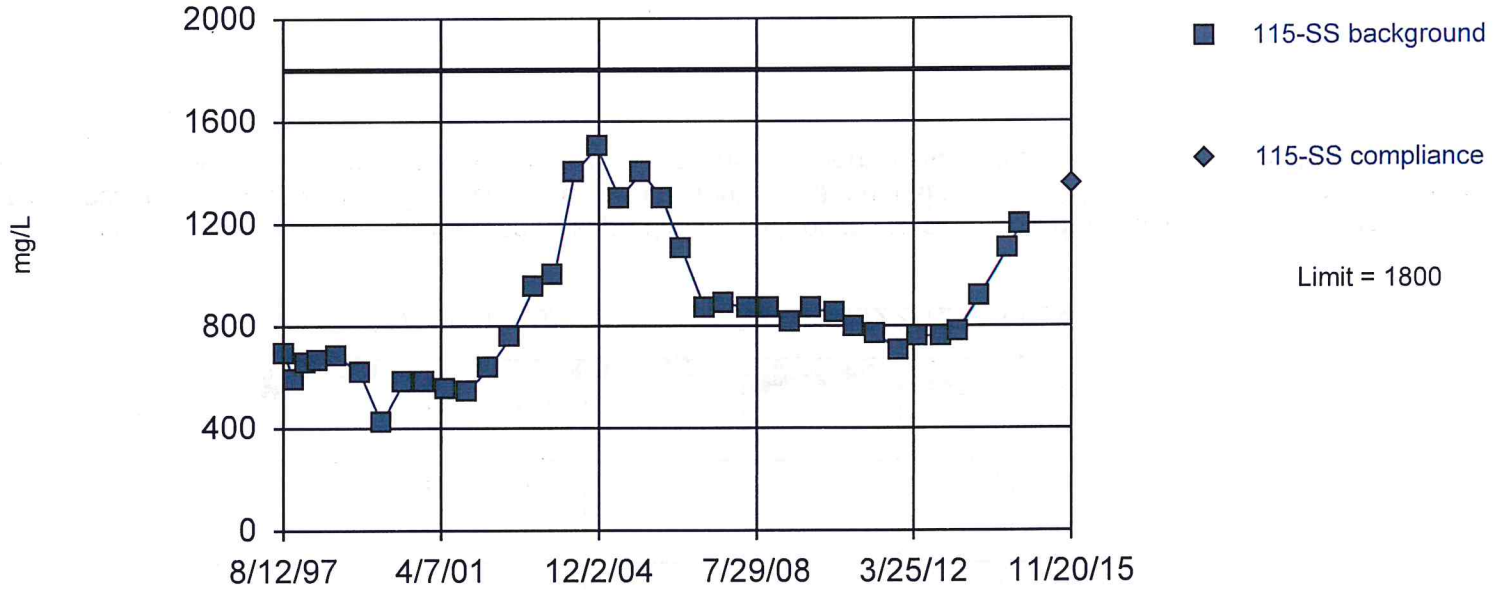
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 3:24 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 2.645 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. 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 1/7/2016 3:25 PM

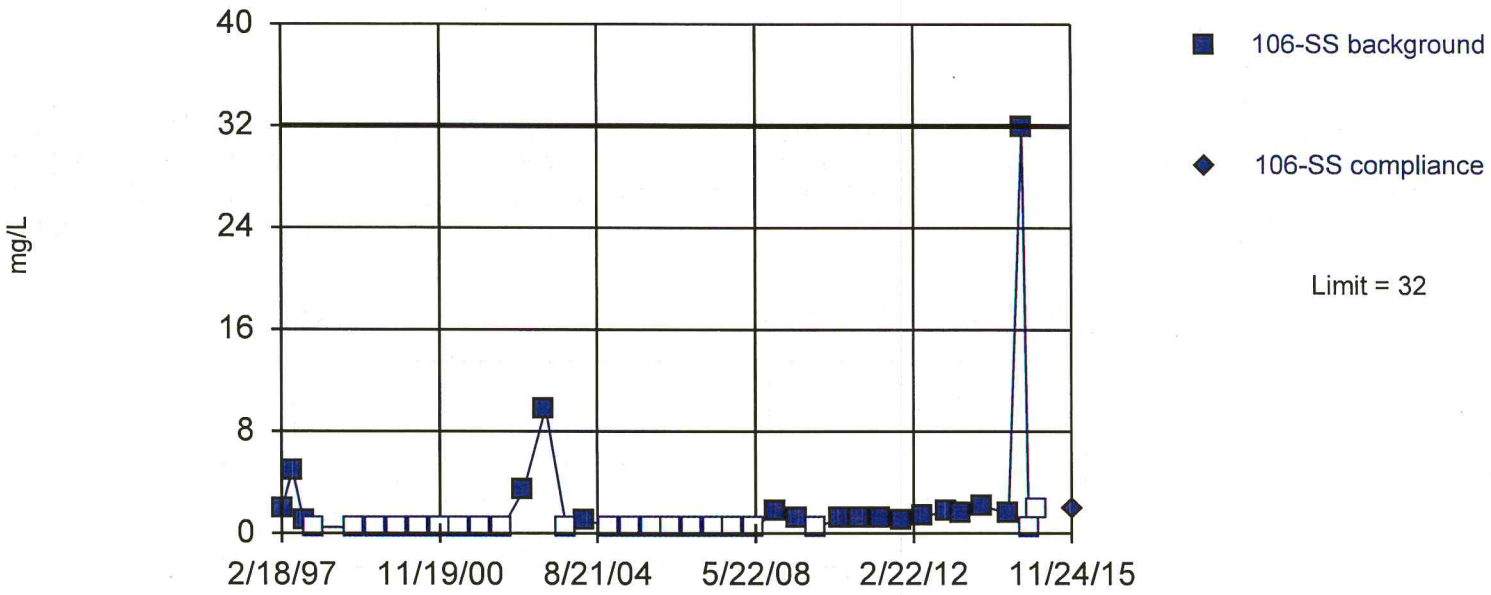
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 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 1/7/2016 3:26 PM

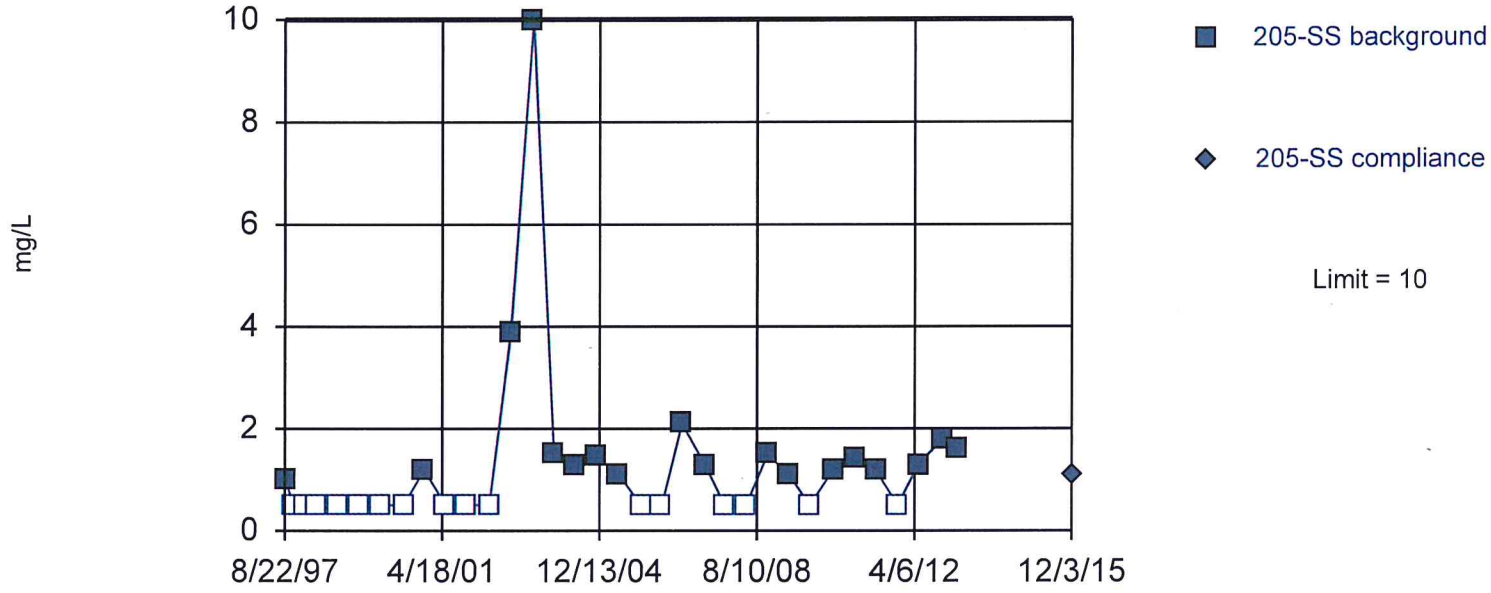
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 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 1/7/2016 3:26 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/22/2016, 10:17 AM

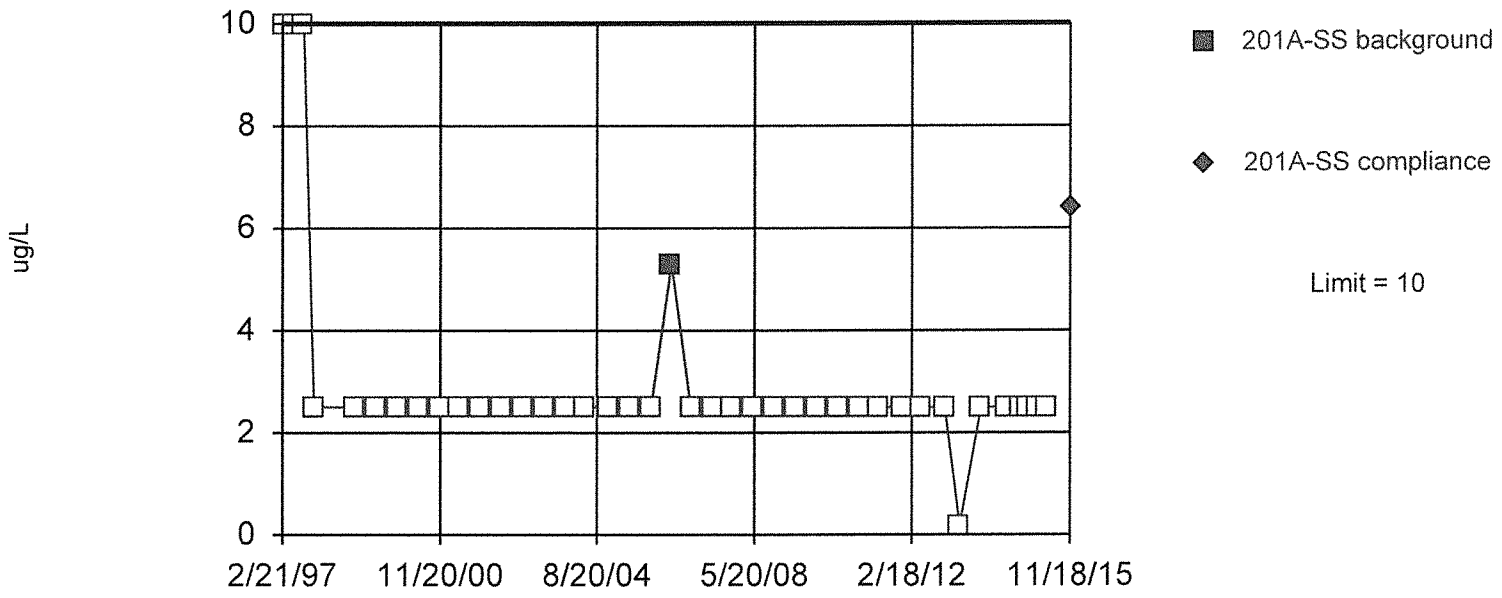
Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper Total (ug/L)	201A-SS	10	n/a	11/18/2015	6.4	No	40	n/a	n/a	97.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

Sanitas™ v.9.5.21 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 1/22/2016 10:16 AM

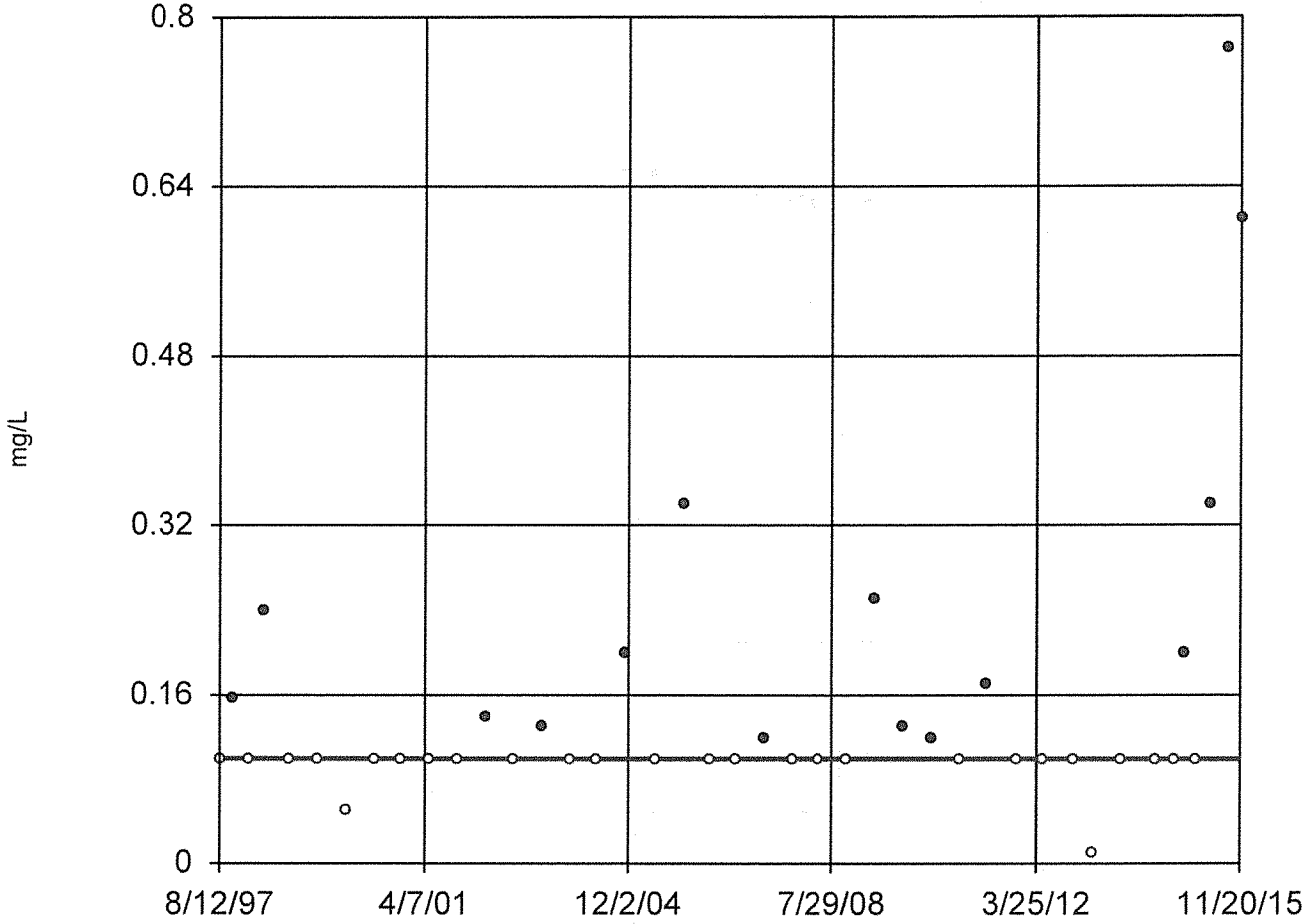
Bridgeton LF Client: RSI Data: BRIDGETON

TREND EVALUATION OF EXCEEDING CONSTITUENTS

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 = 42

Slope = 0
units per year.

Mann-Kendall
normal approx. =
1.322
critical = 2.33

Trend not sig-
nificant at 98%
confidence level
(α = 0.01 per
tail).

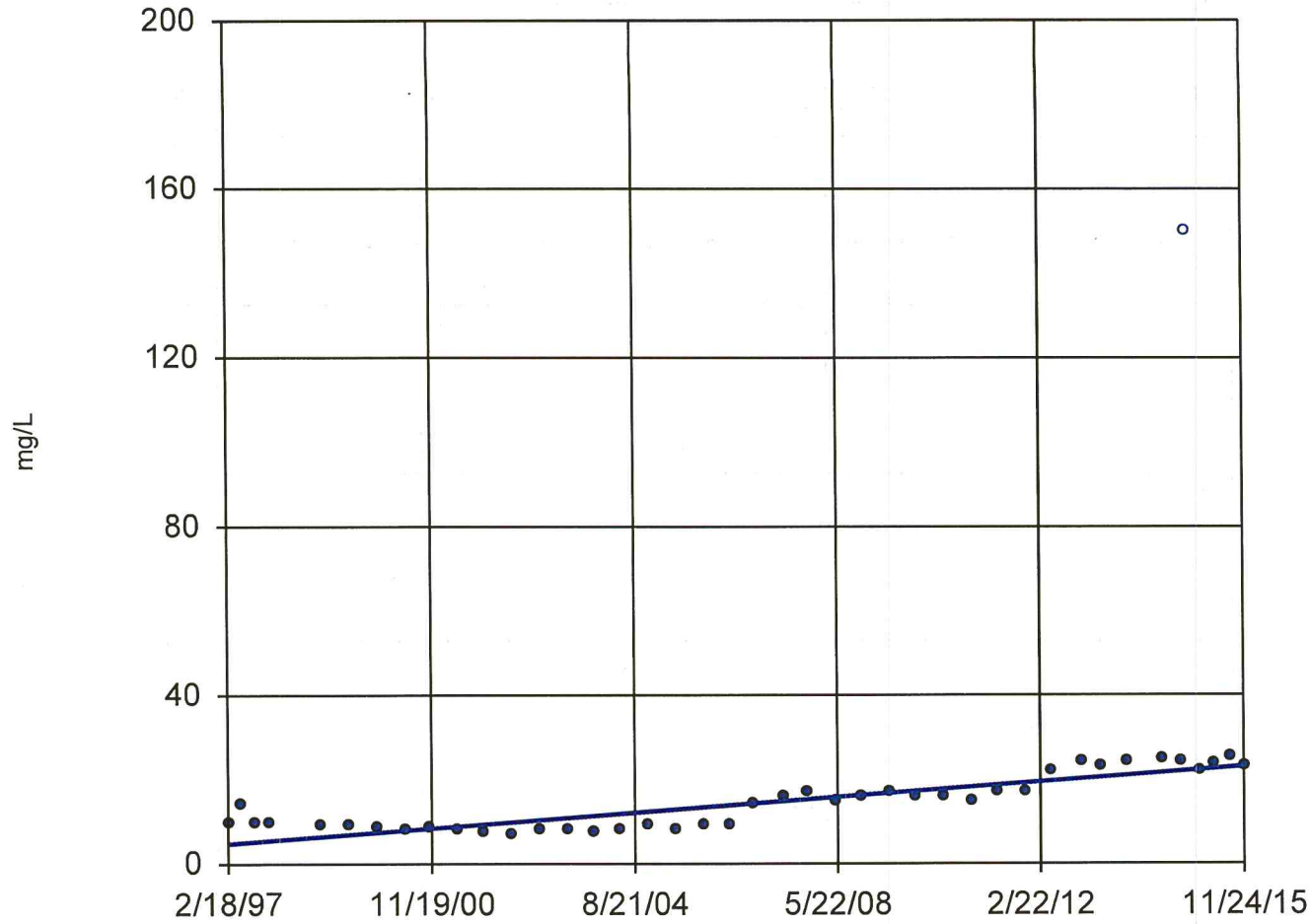
Constituent: Ammonia as N Analysis Run 1/7/2016 5:07 PM

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 = 42

Slope = 0.9723 units per year.

Mann-Kendall normal approx. = 5.601
critical = 2.33

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

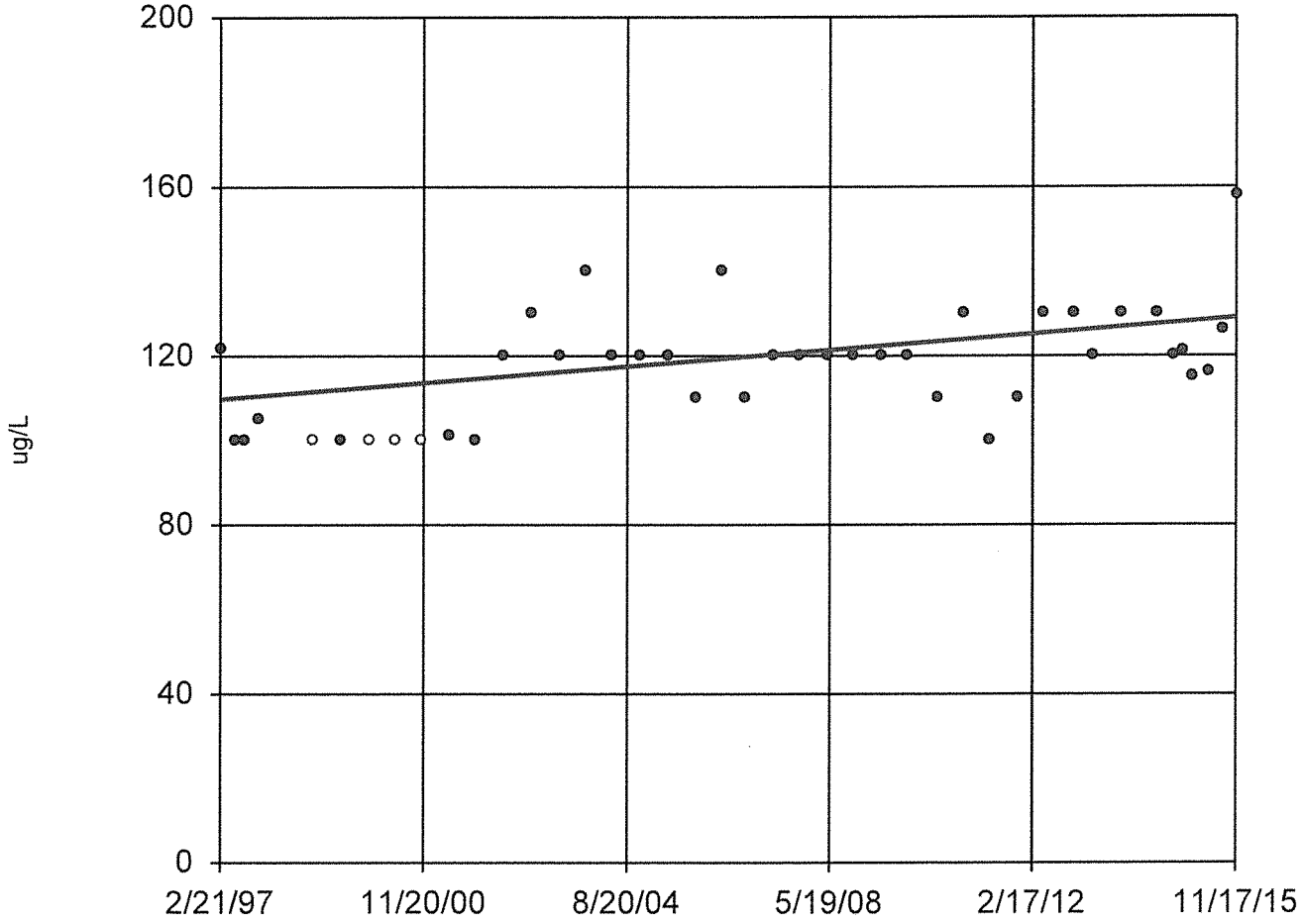
Constituent: Chloride Analysis Run 1/7/2016 5:07 PM

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 = 42

Slope = 1.034 units per year.

Mann-Kendall normal approx. = 3.33
critical = 2.33

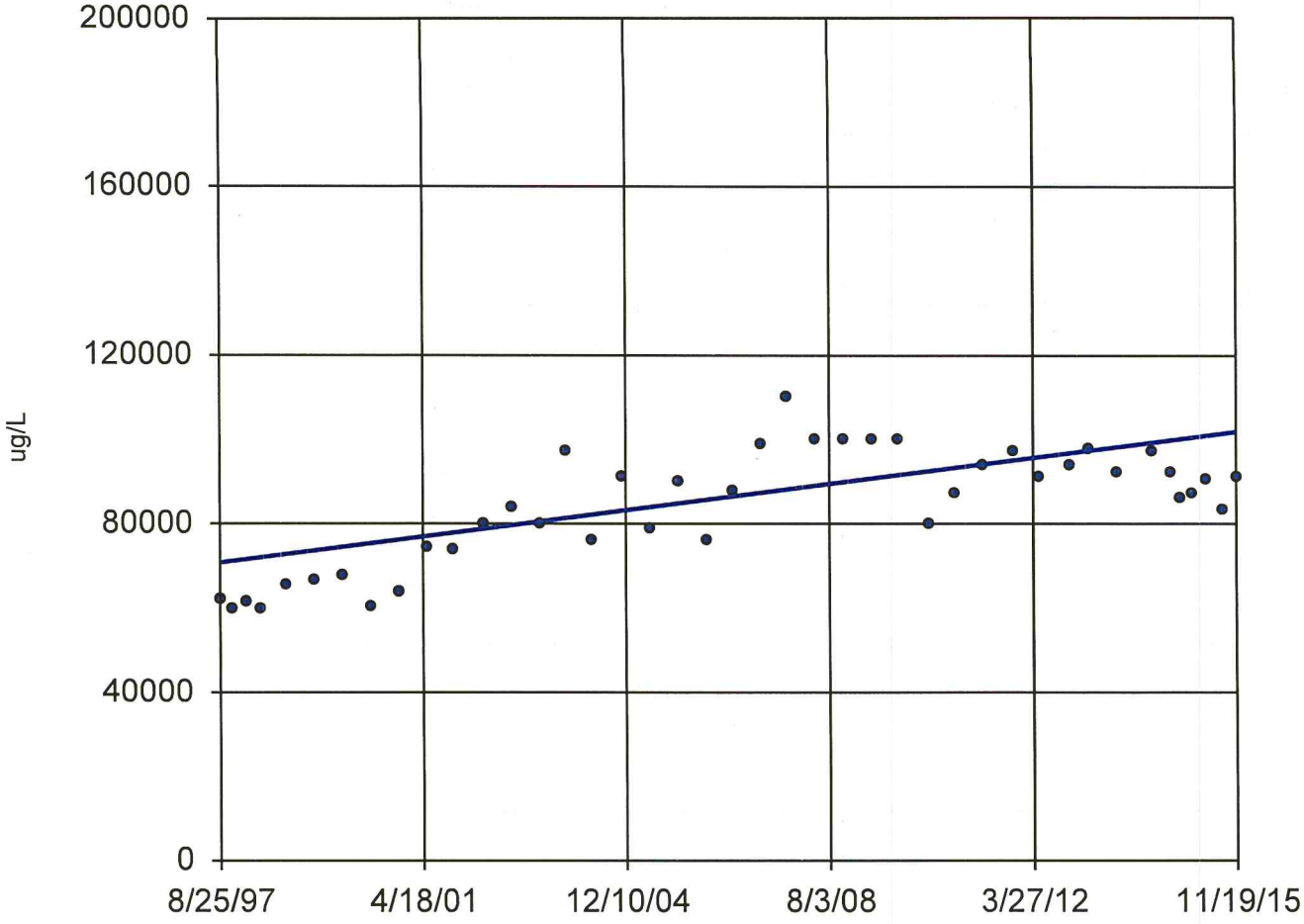
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Boron Total Analysis Run 1/7/2016 5:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

105-SS (bg)



n = 42

Slope = 1715 units per year.

Mann-Kendall normal approx. = 4.395
critical = 2.33

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

Constituent: Calcium Total Analysis Run 1/7/2016 5:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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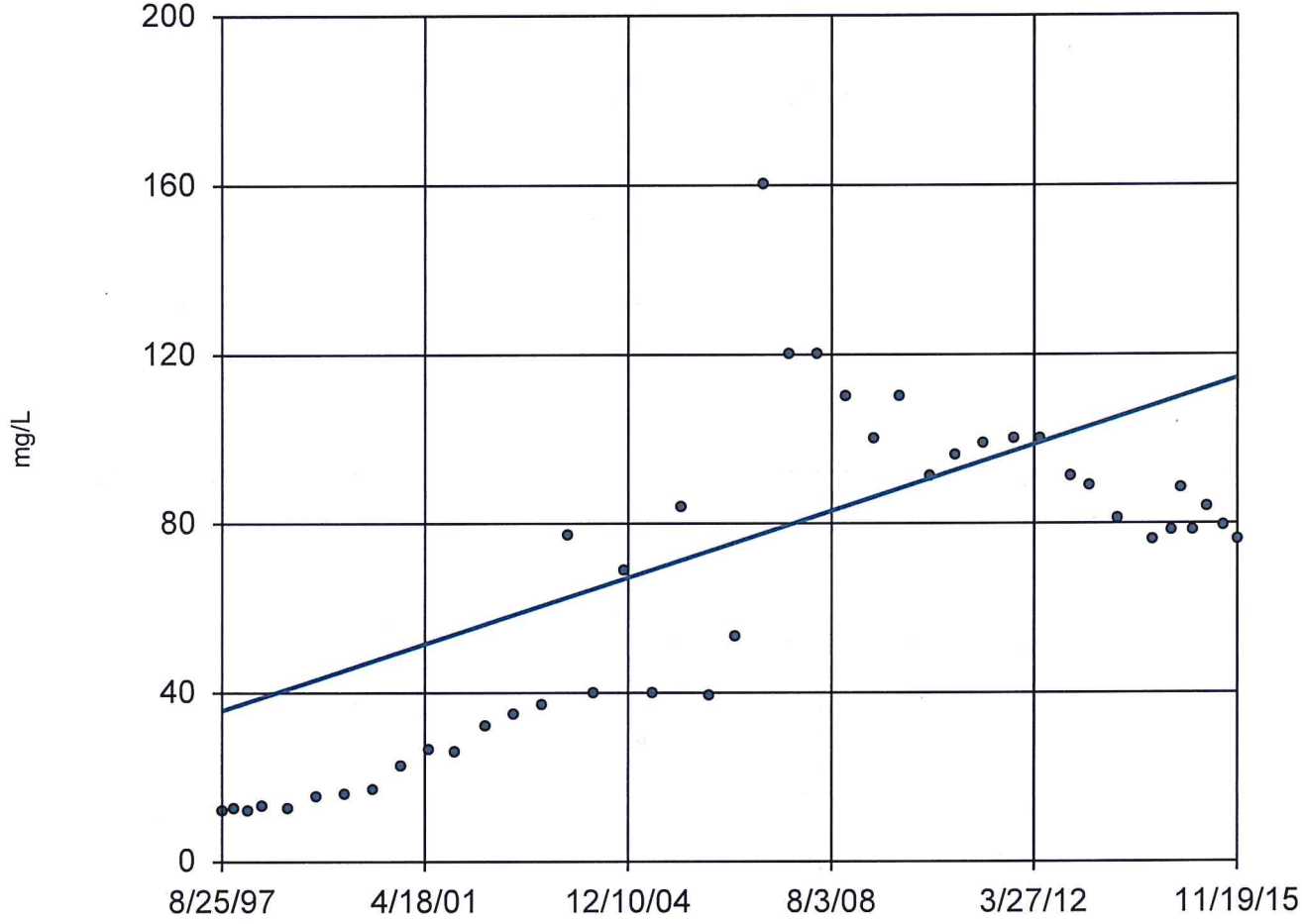
Sen's Slope Estimator

105-SS (bg)



n = 42

Slope = 4.309 units per year.

Mann-Kendall normal approx. = 4.782
critical = 2.33

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

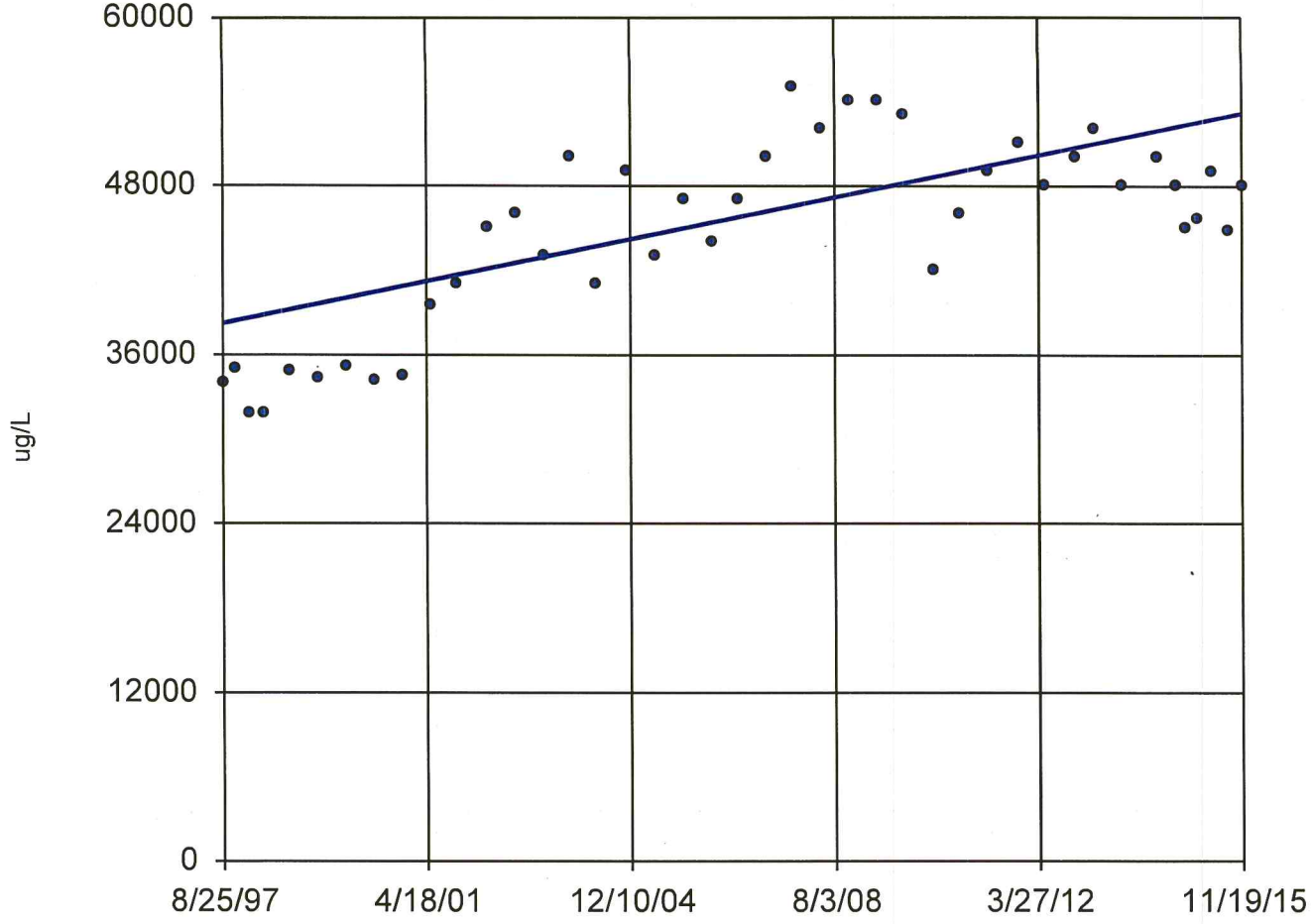
Constituent: Chloride Analysis Run 1/7/2016 5:06 PM

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 = 42

Slope = 819 units per year.

Mann-Kendall normal approx. = 4.342
critical = 2.33

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

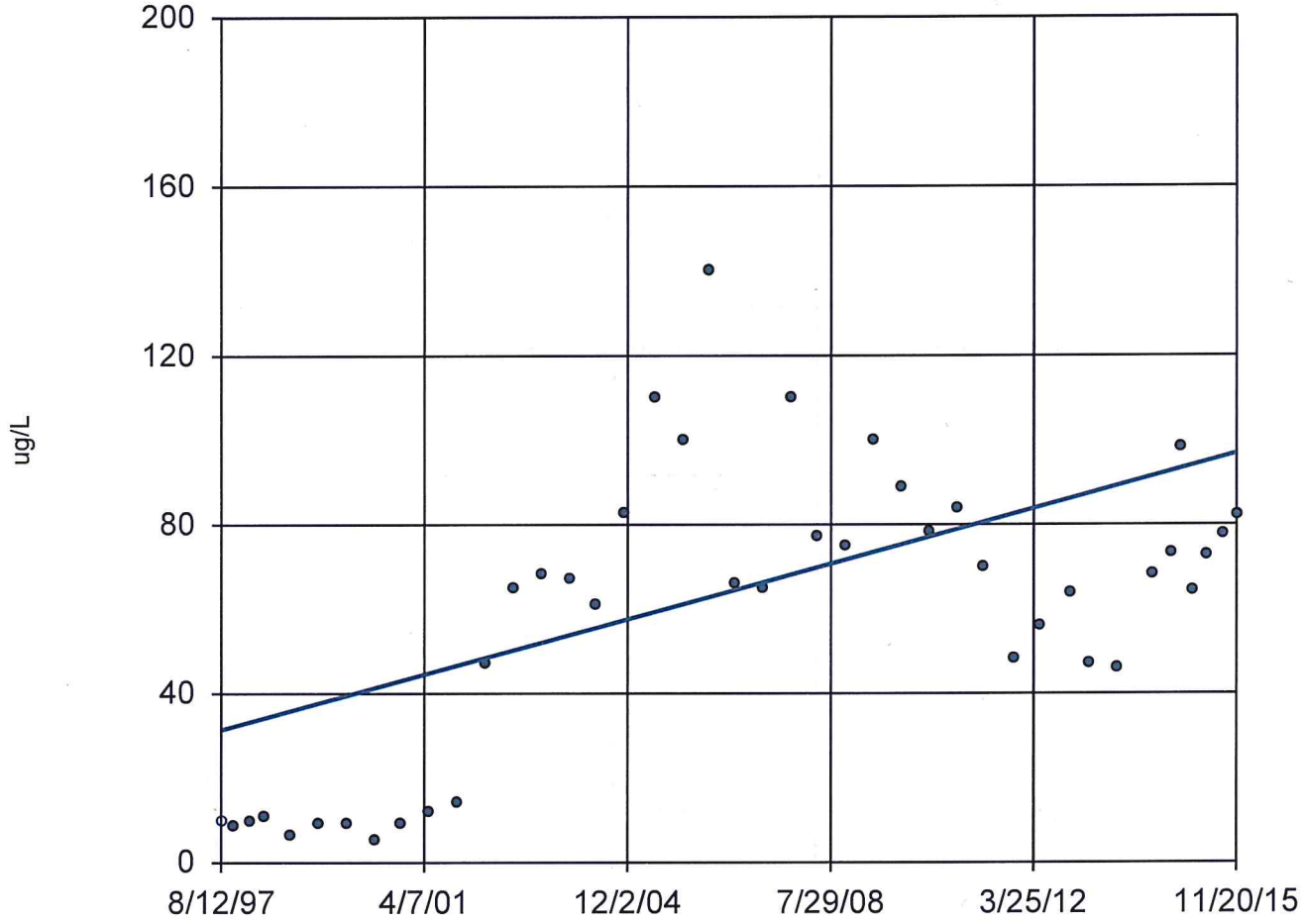
Constituent: Magnesium Total Analysis Run 1/7/2016 5:06 PM

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 = 42

Slope = 3.581 units per year.

Mann-Kendall normal approx. = 3.567
critical = 2.33

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

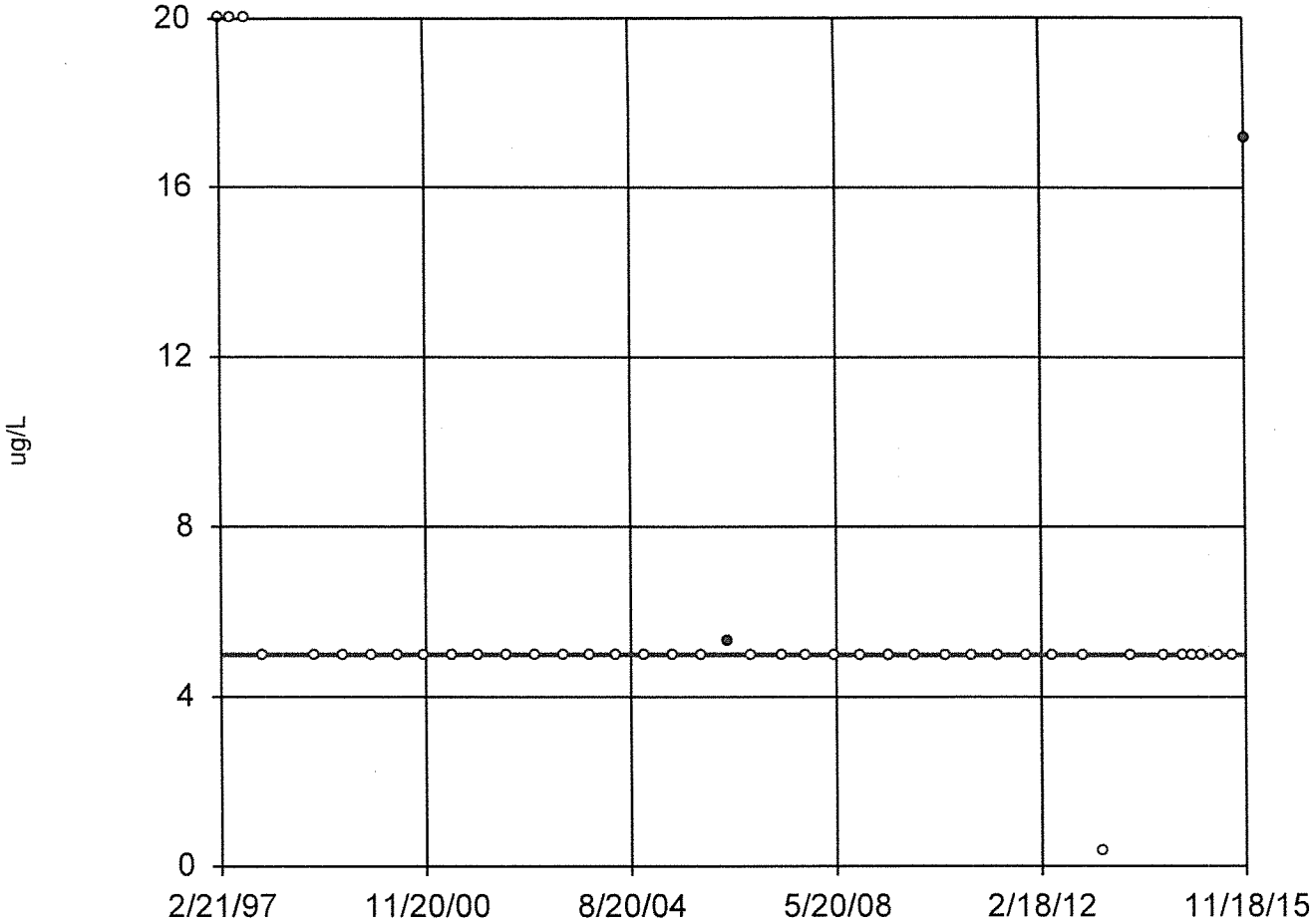
Constituent: Manganese Total Analysis Run 1/7/2016 5:07 PM

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 = 42

Slope = 0
units per year.

Mann-Kendall
normal approx. =
-1.88
critical = -2.33

Trend not sig-
nificant at 98%
confidence level
(α = 0.01 per
tail).

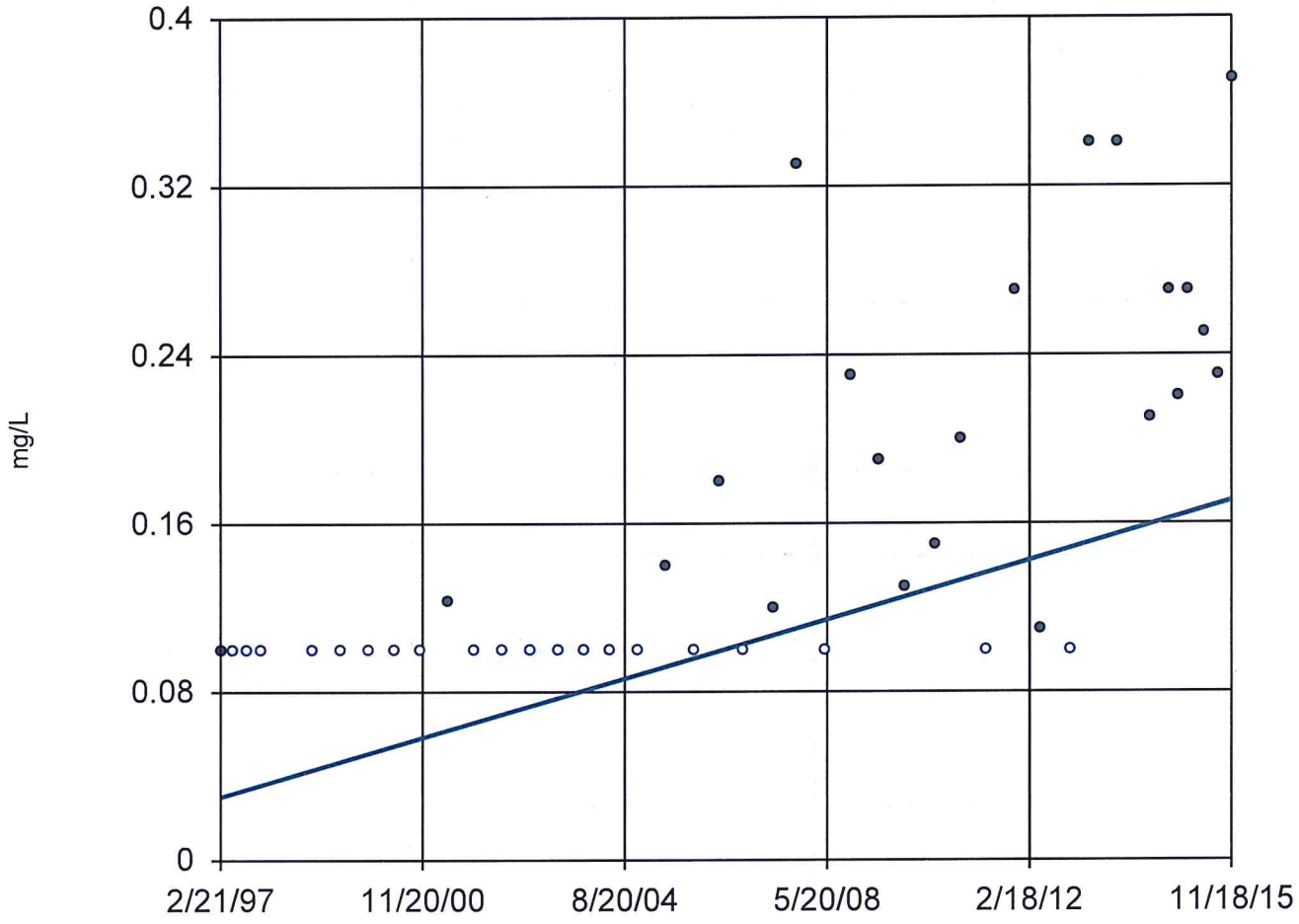
Constituent: Copper Total Analysis Run 1/7/2016 5:08 PM

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 = 42

Slope = 0.00749 units per year.

Mann-Kendall normal approx. = 5.215
critical = 2.33

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

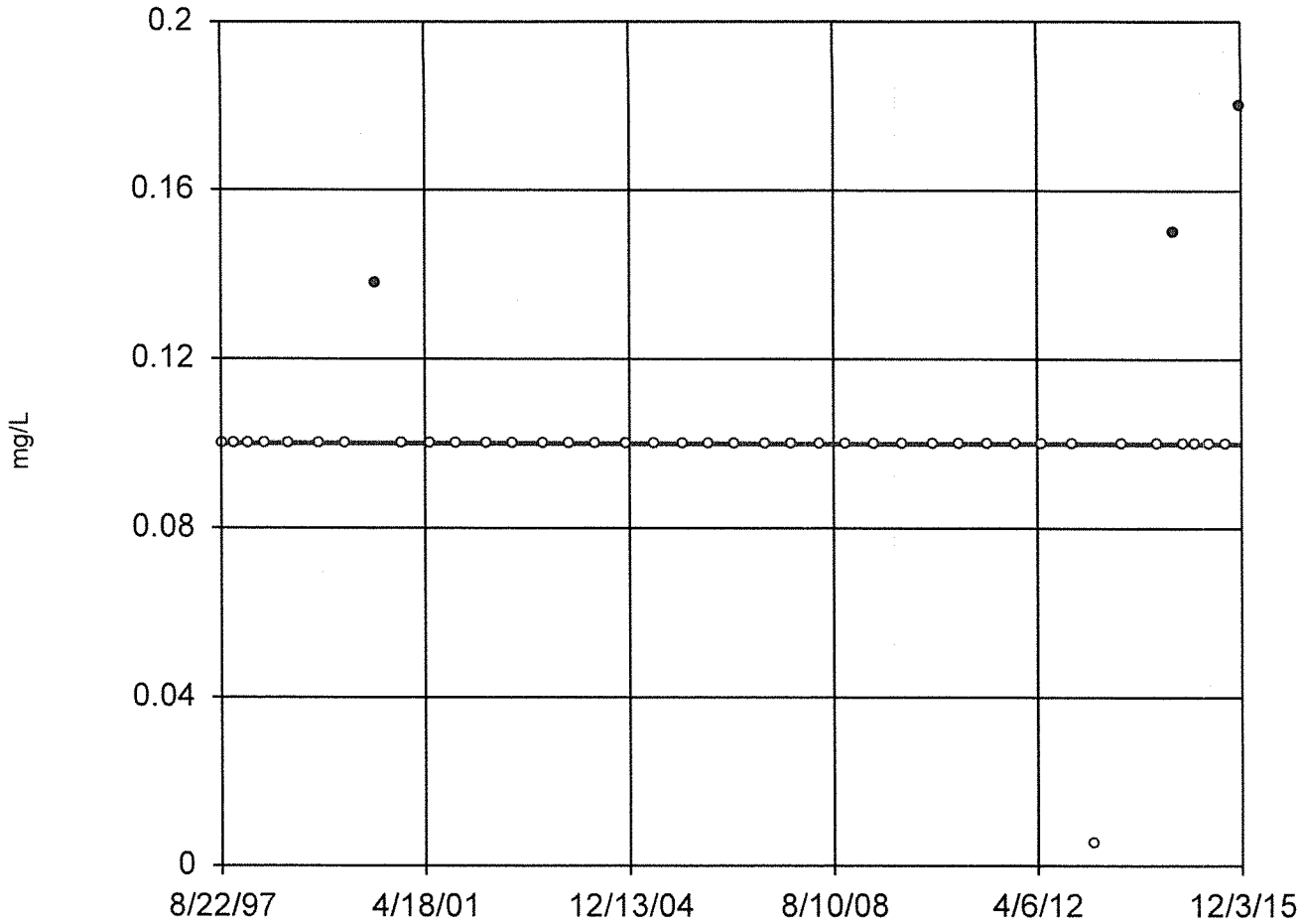
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 5:08 PM

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 = 42

Slope = 0
units per year.

Mann-Kendall
normal approx. =
0.4491
critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

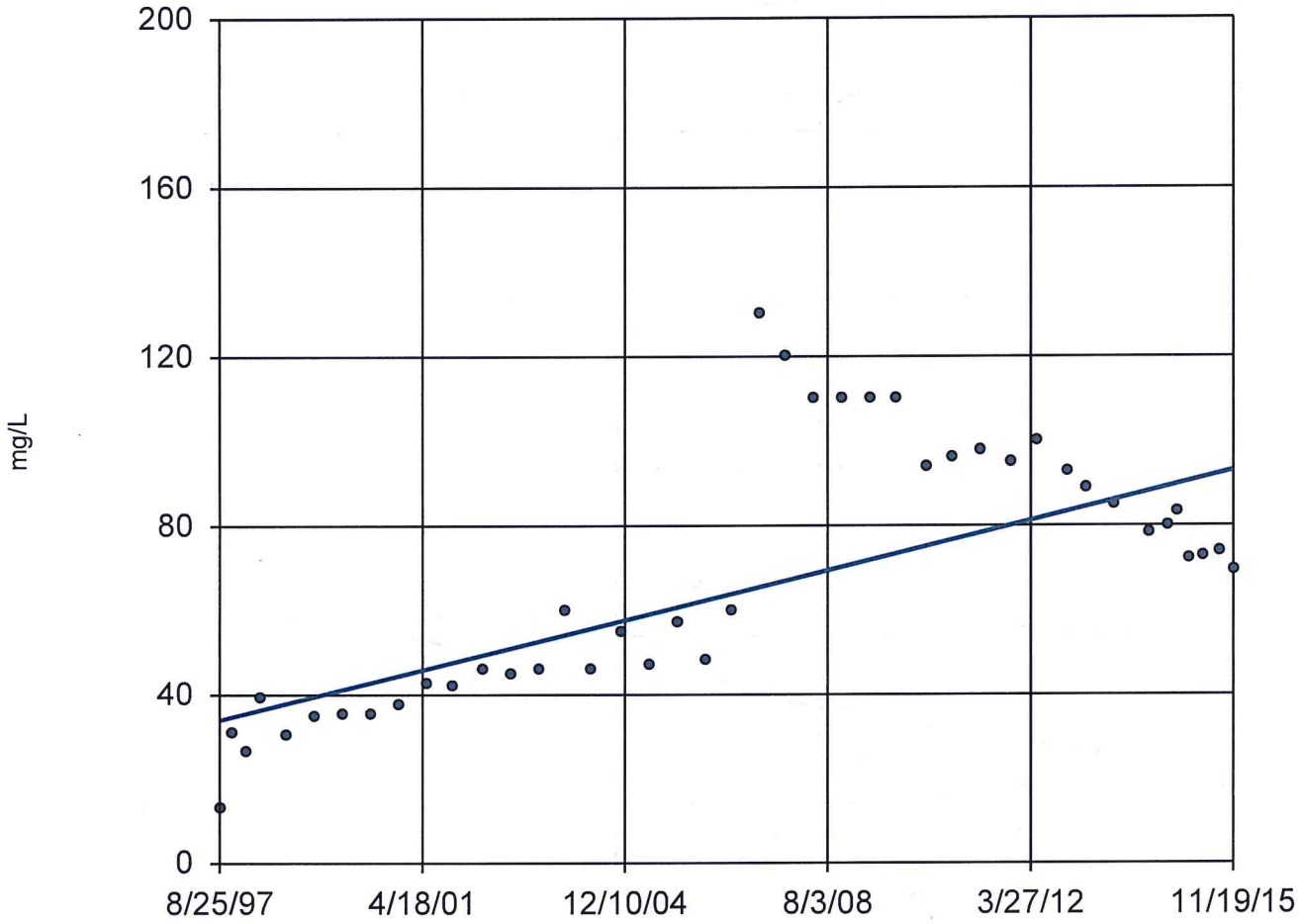
Constituent: Nitrate/Nitrite Analysis Run 1/7/2016 5:08 PM

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 = 42

Slope = 3.232 units per year.

Mann-Kendall normal approx. = 4.707
critical = 2.33

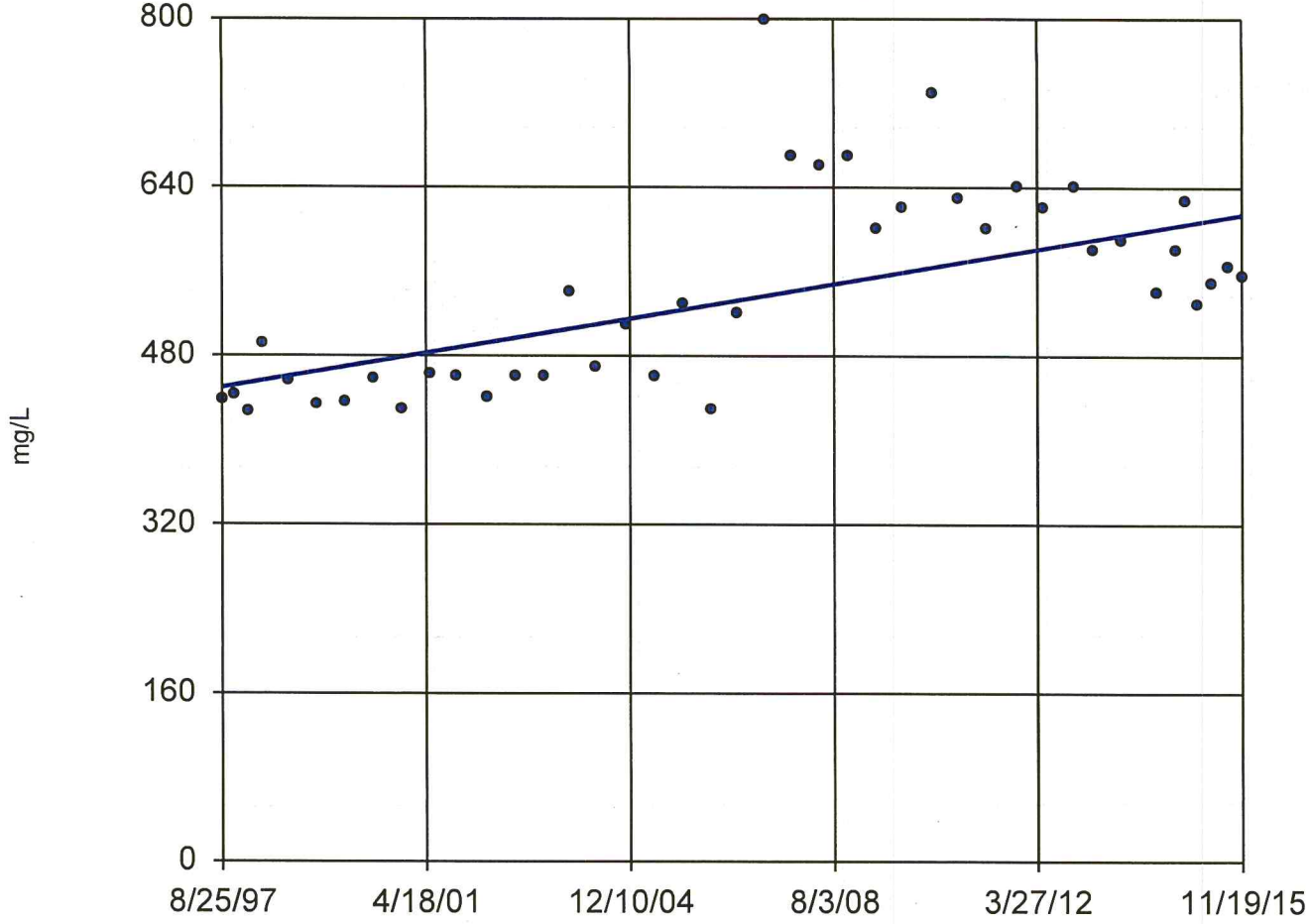
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate as SO4 Analysis Run 1/7/2016 5:07 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

105-SS (bg)



n = 42

Slope = 9.022 units per year.

Mann-Kendall normal approx. = 4.241
critical = 2.33

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

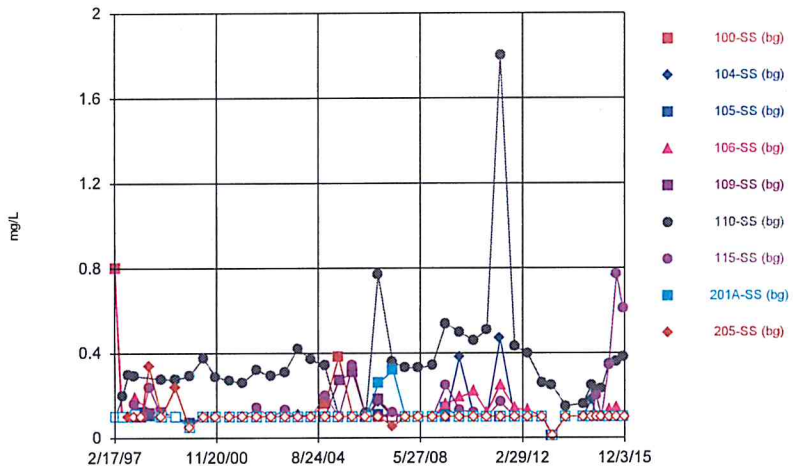
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 5:07 PM

Bridgeton LF Client: RSI Data: BRIDGETON

TIME SERIES GRAPHS

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

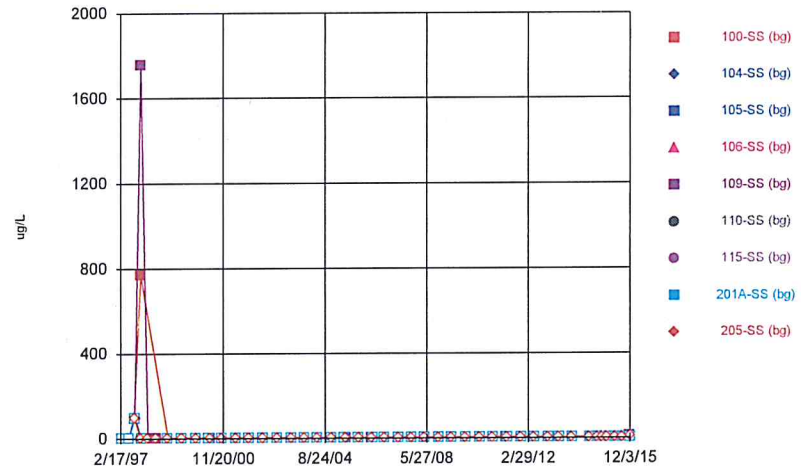
Time Series



Constituent: Ammonia as N Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

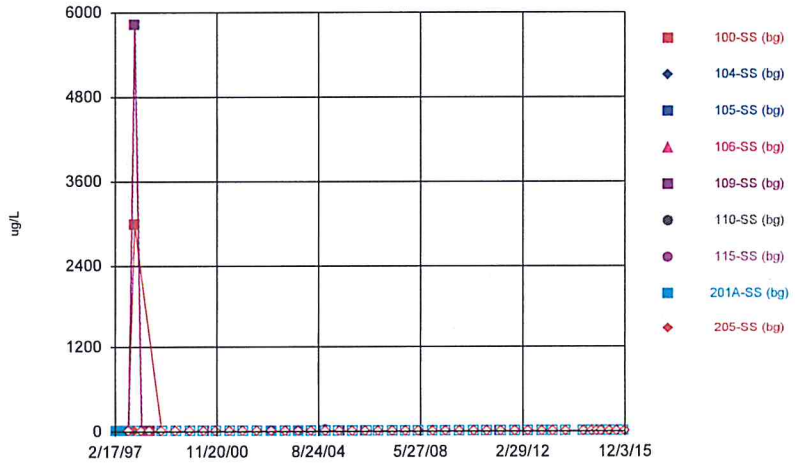
Time Series



Constituent: Antimony Total Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

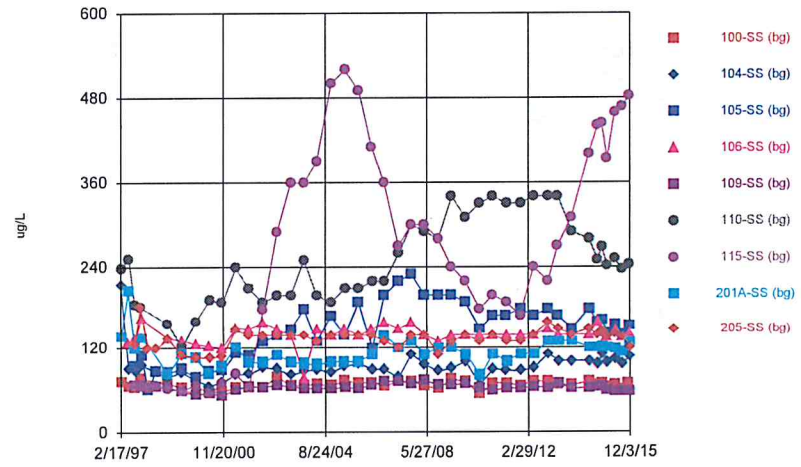
Time Series



Constituent: Arsenic Total Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

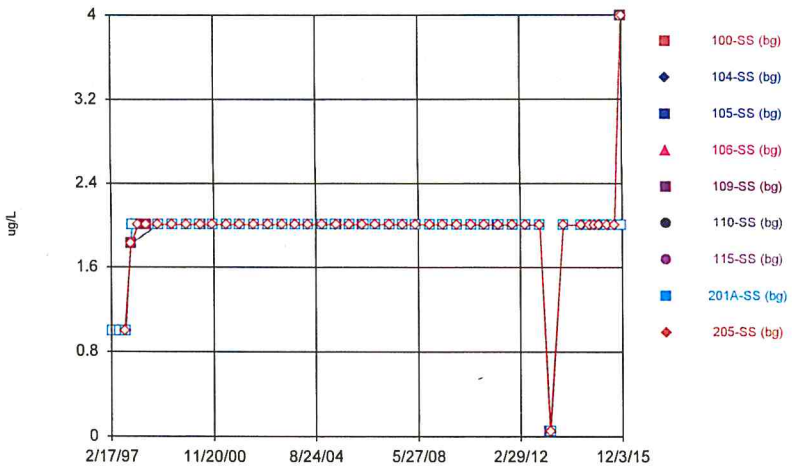
Time Series



Constituent: Barium Total Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

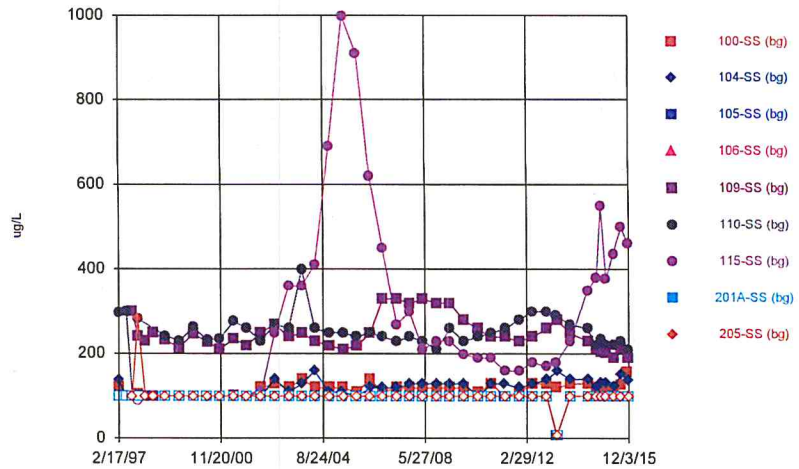
Time Series



Constituent: Beryllium Total Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

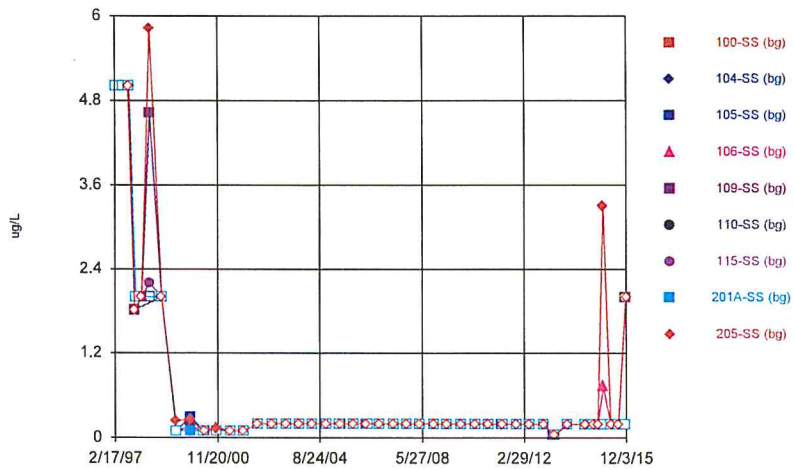
Time Series



Constituent: Boron Total Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cadmium Total Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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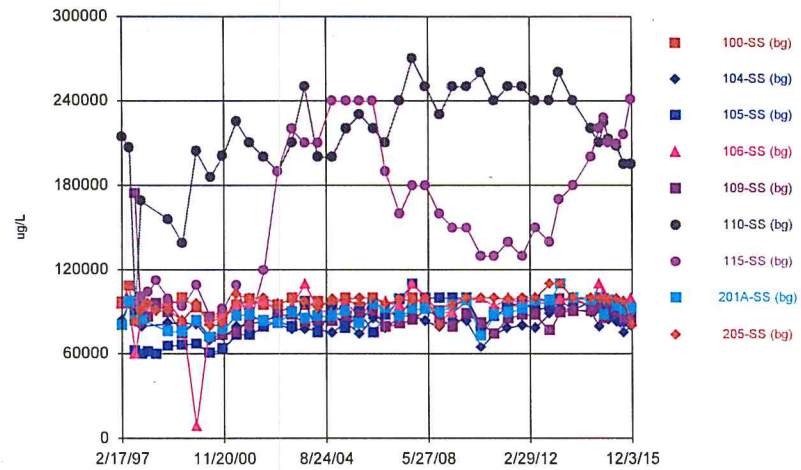
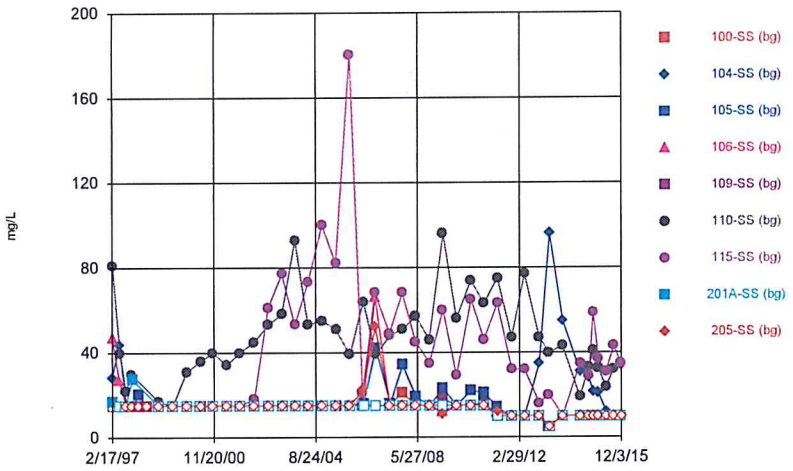
Time Series



Constituent: Calcium Total Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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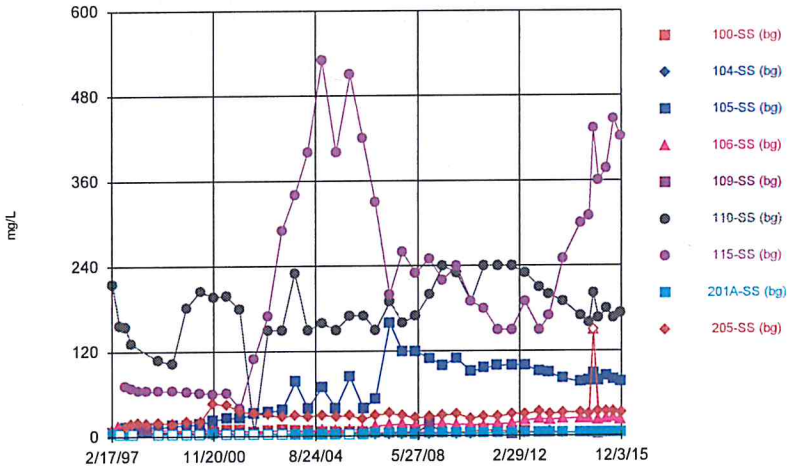
Hollow symbols indicate censored values.

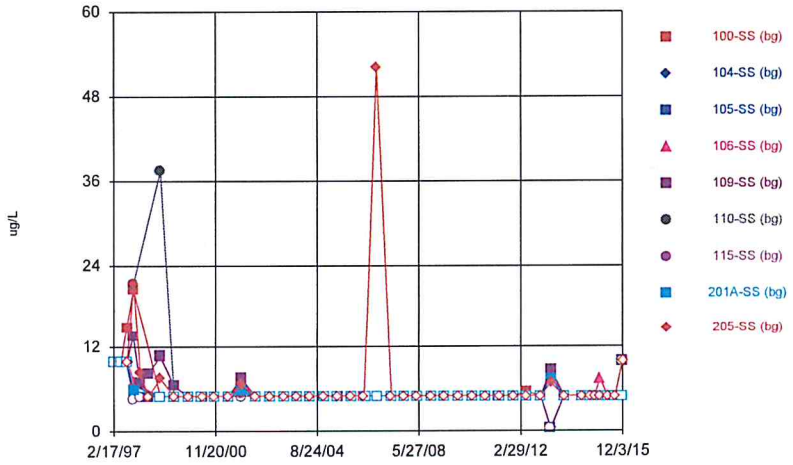
Time Series



Constituent: Chloride Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

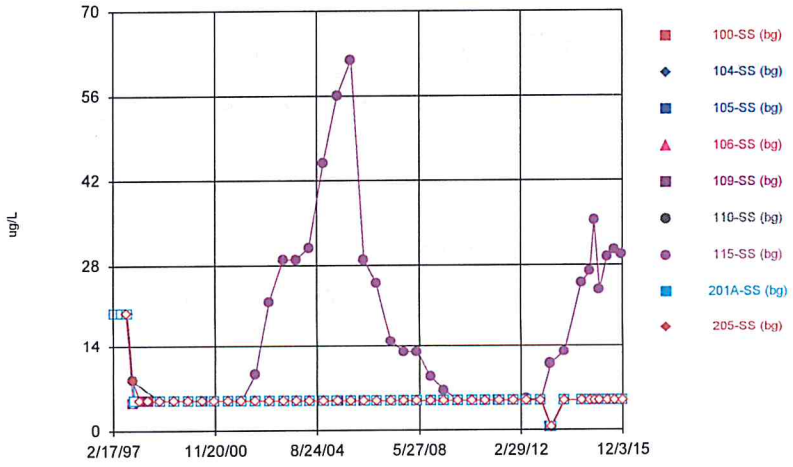
Time Series



Constituent: Chromium Total Analysis Run 1/22/2016 10:56 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

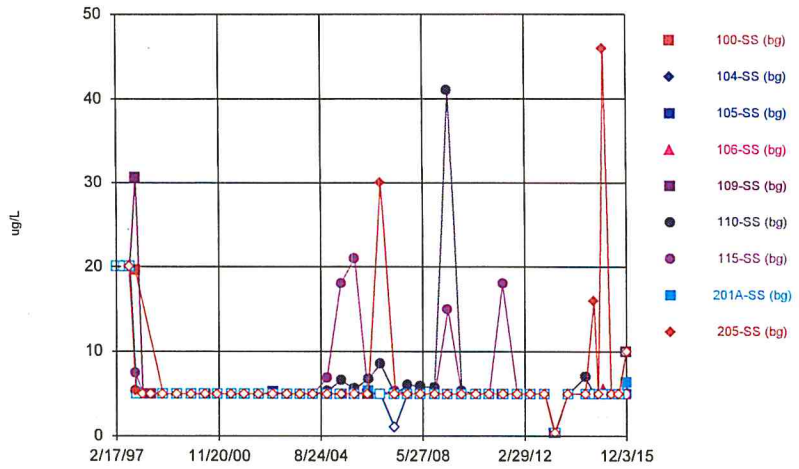
Time Series



Constituent: Cobalt Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

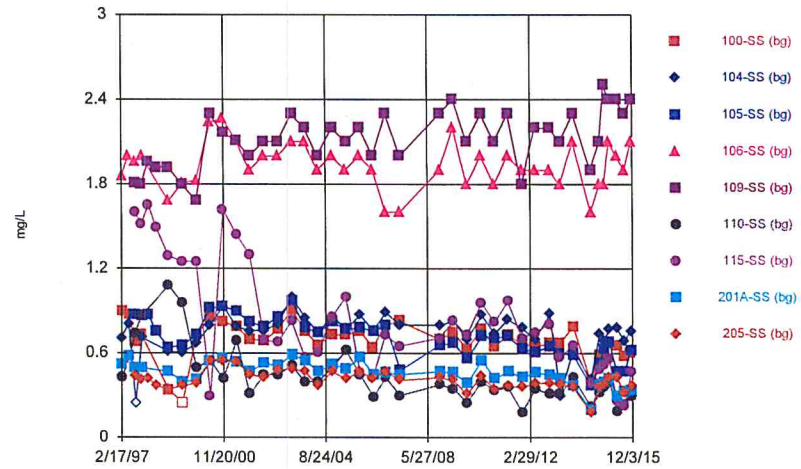
Time Series



Constituent: Copper Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

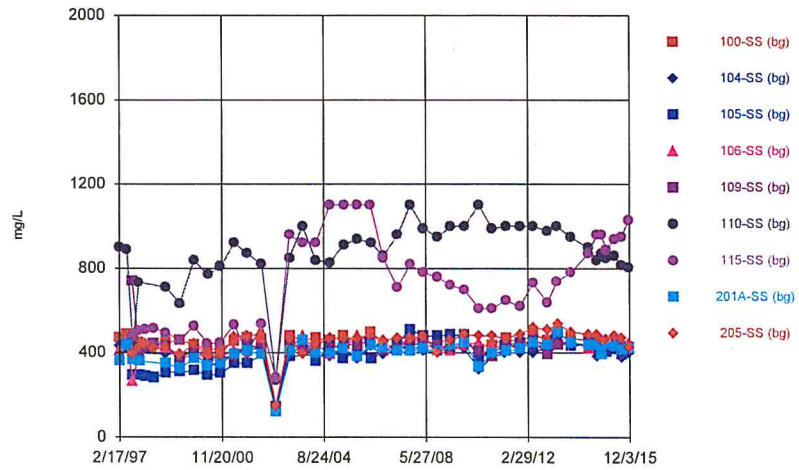
Time Series



Constituent: Fluoride Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

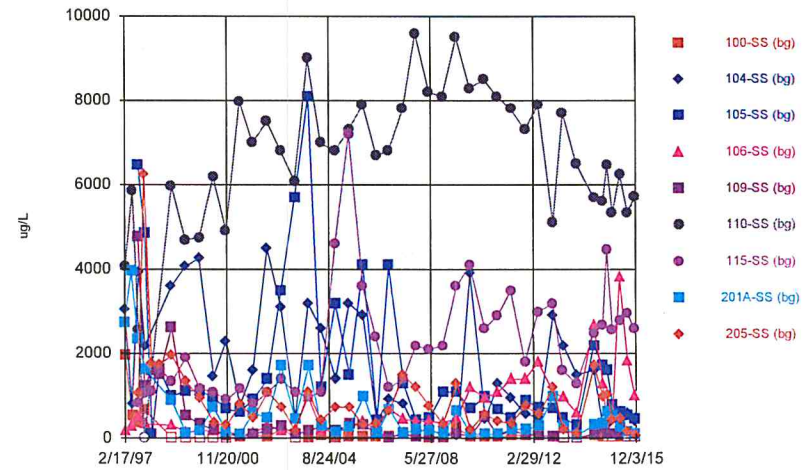
Time Series



Constituent: Hardness Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

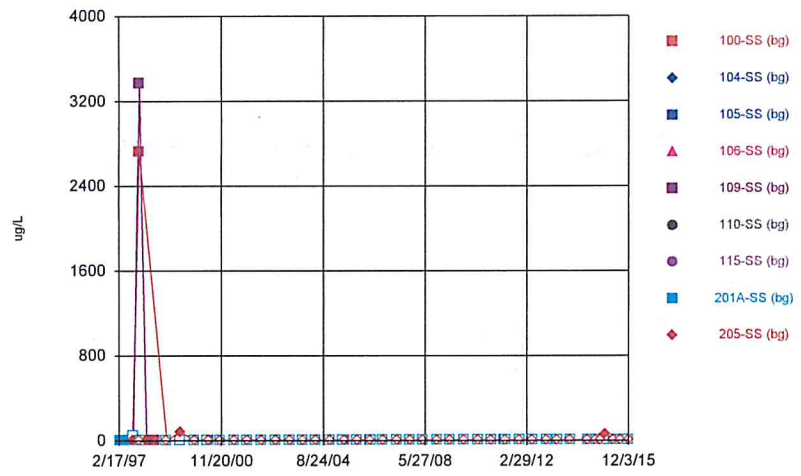
Time Series



Constituent: Iron Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

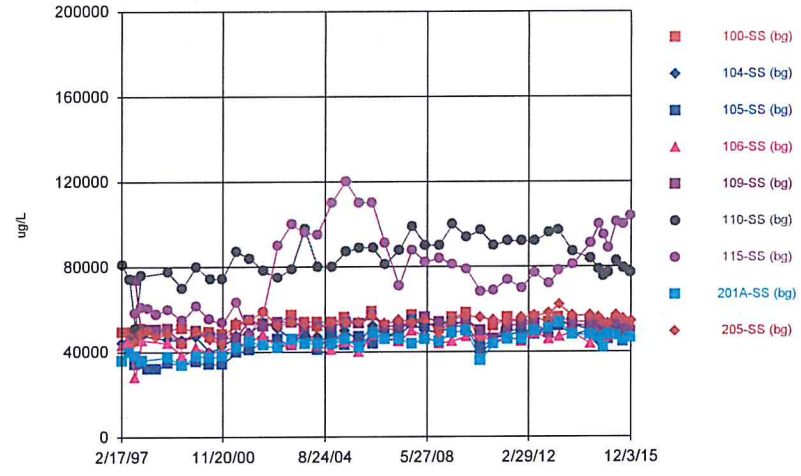
Time Series



Constituent: Lead Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

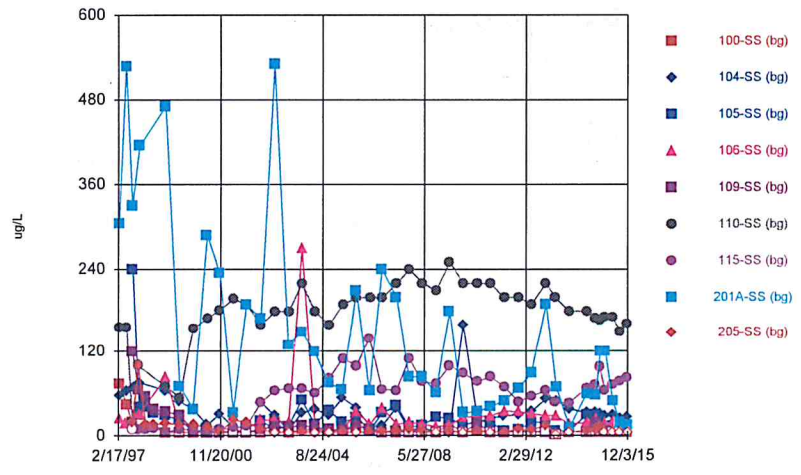
Time Series



Constituent: Magnesium Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

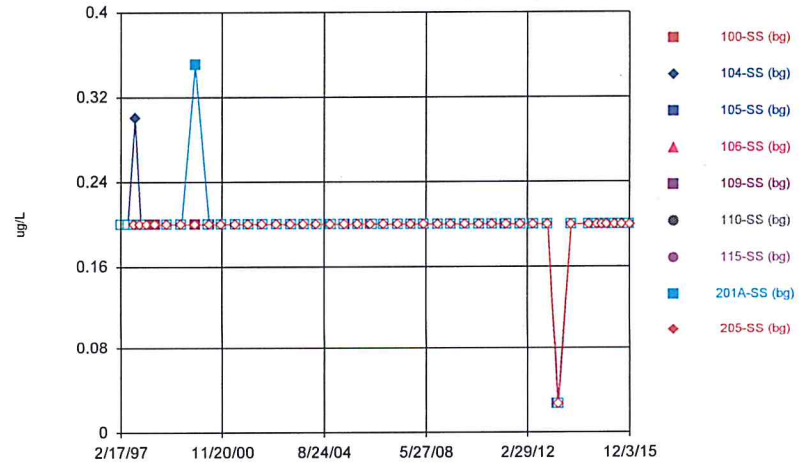
Time Series



Constituent: Manganese Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

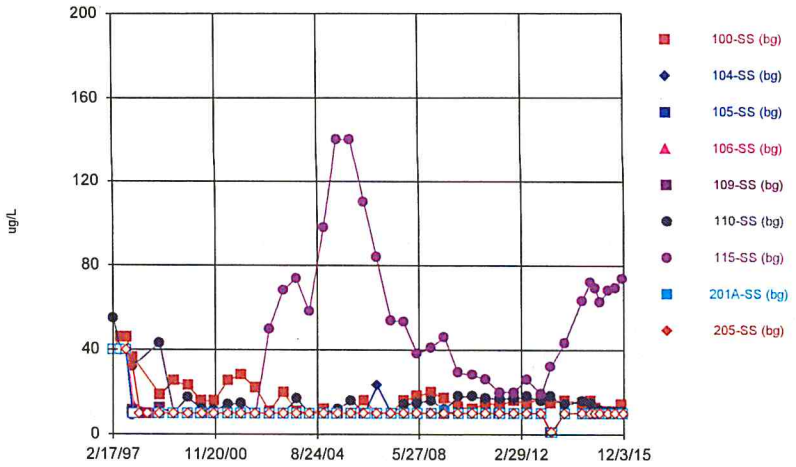
Time Series



Constituent: Mercury Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

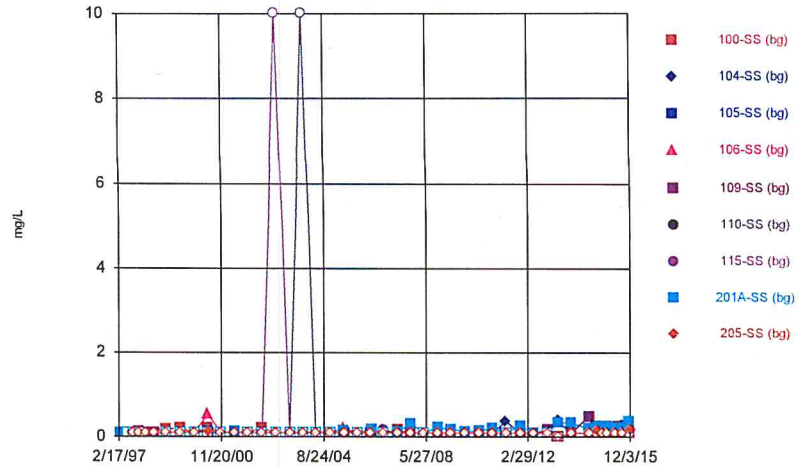
Time Series



Constituent: Nickel Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

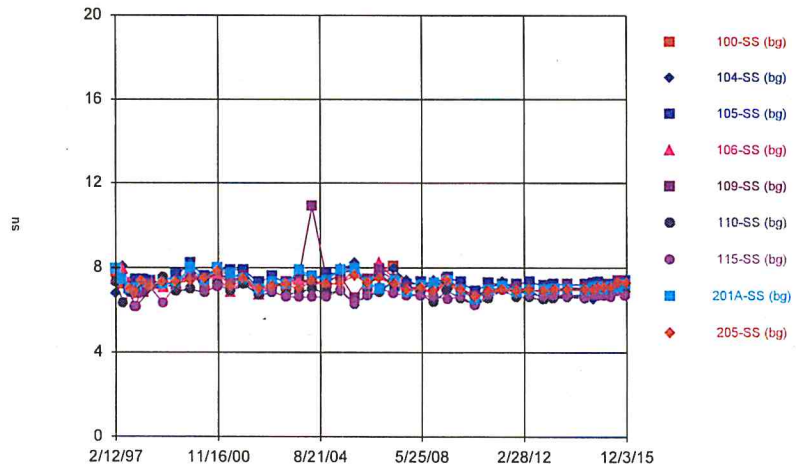
Time Series



Constituent: Nitrate/Nitrite Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

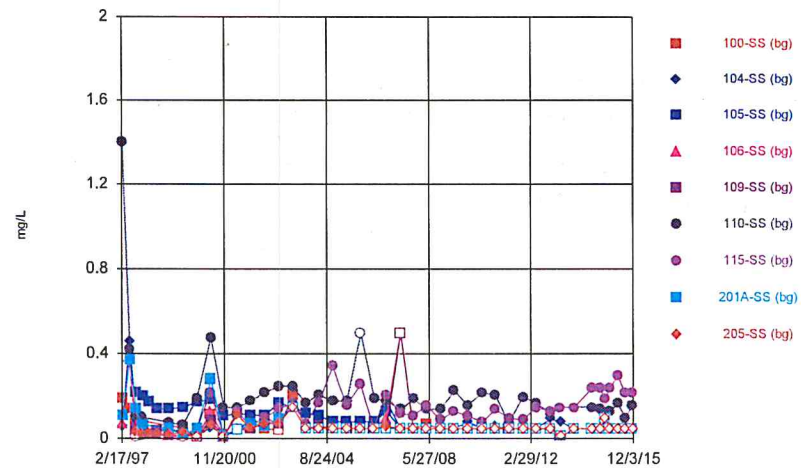
Time Series



Constituent: pH [Field] Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

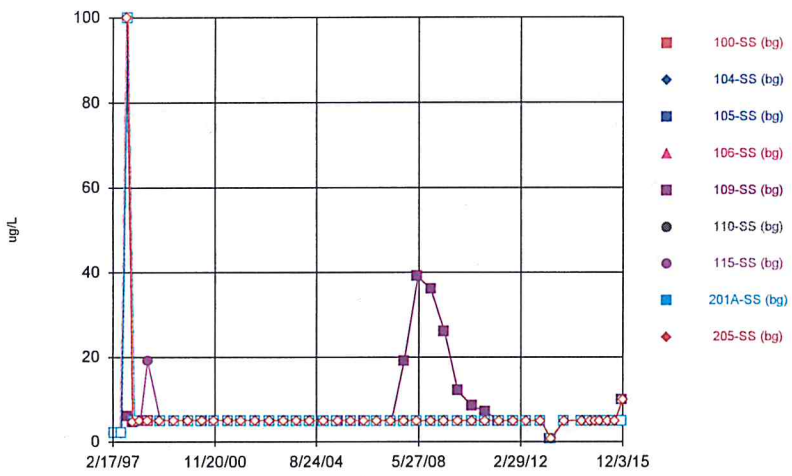
Time Series



Constituent: Phosphorus Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

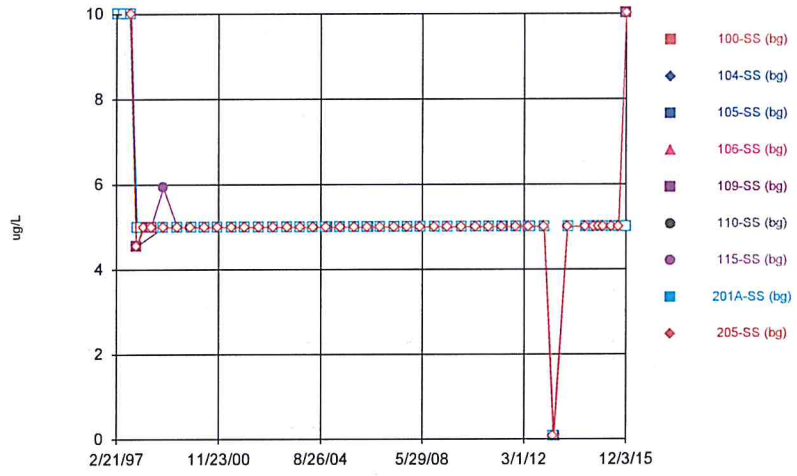
Time Series



Constituent: Selenium Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

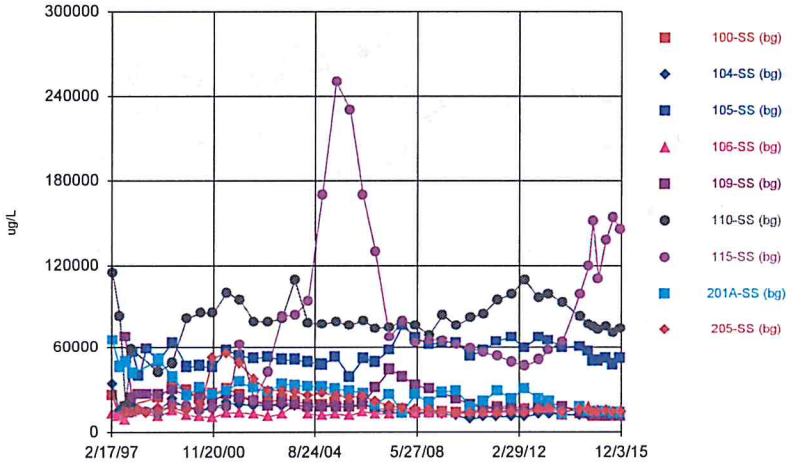
Time Series



Constituent: Silver Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

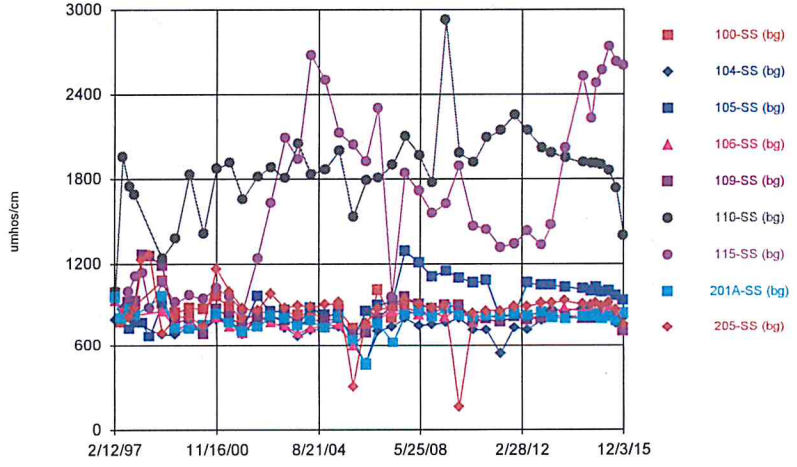
Time Series



Constituent: Sodium Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

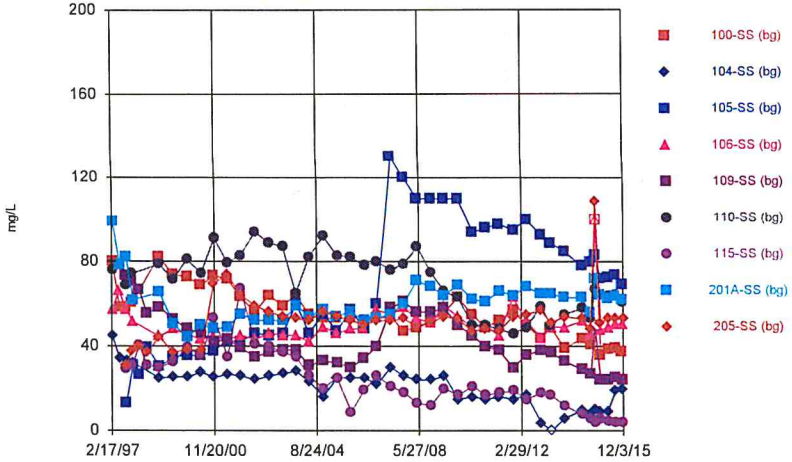
Time Series



Constituent: Specific Conductance [Field] Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

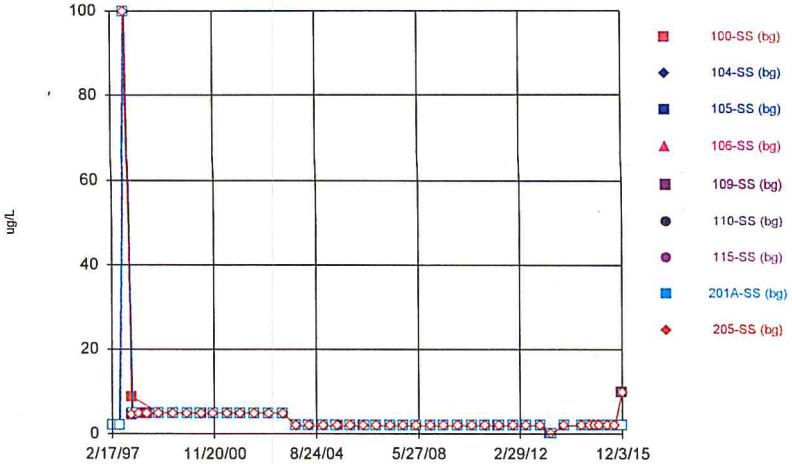
Time Series



Constituent: Sulfate as SO4 Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

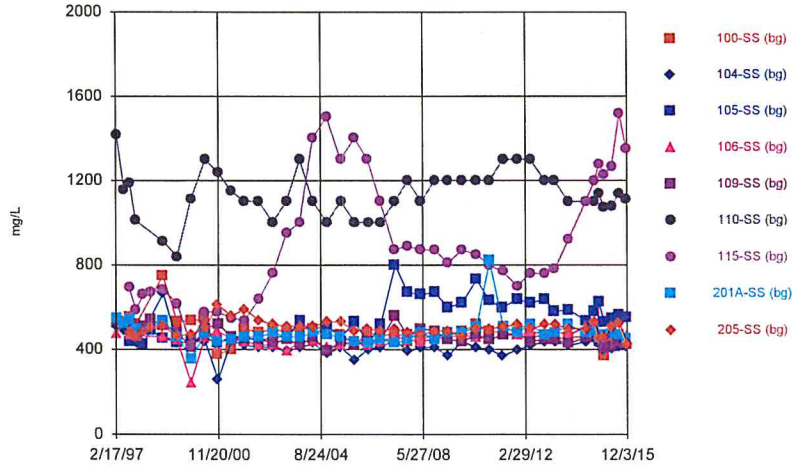
Time Series



Constituent: Thallium Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

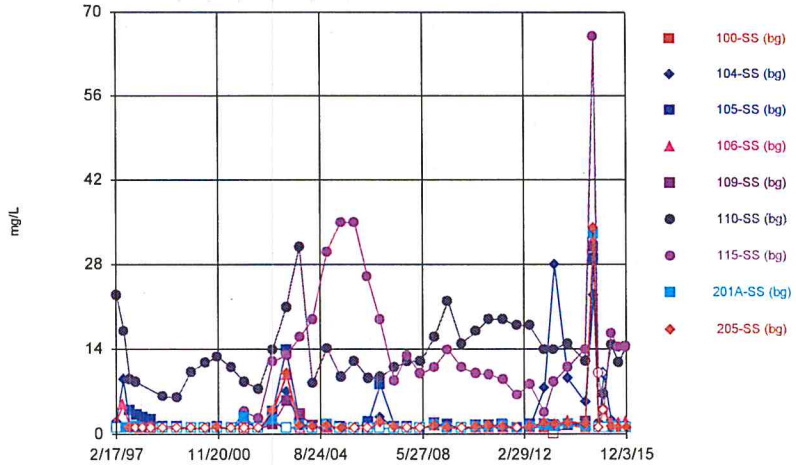
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Organic Carbon [TOC] Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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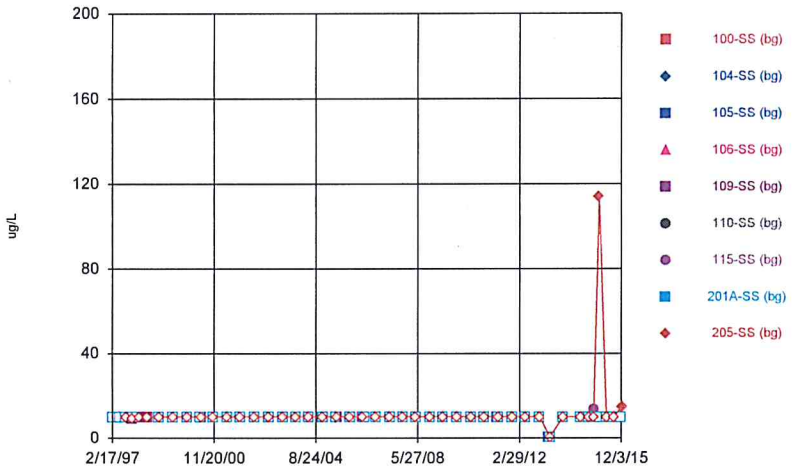
Hollow symbols indicate censored values.

Time Series



Constituent: Vanadium Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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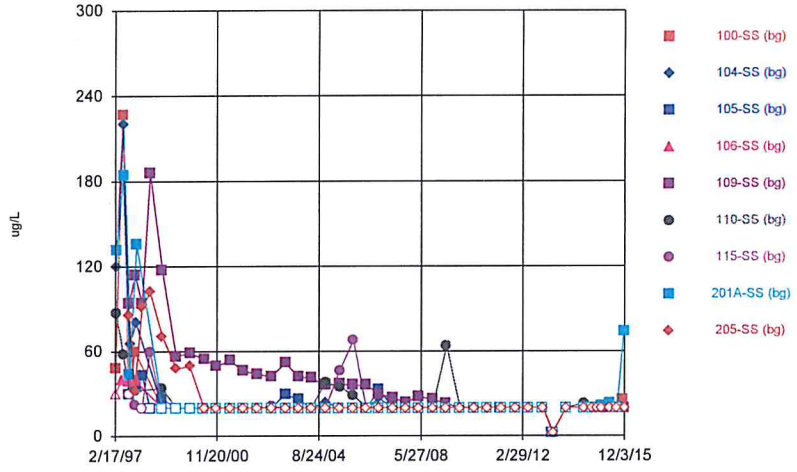
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Total Analysis Run 1/22/2016 10:57 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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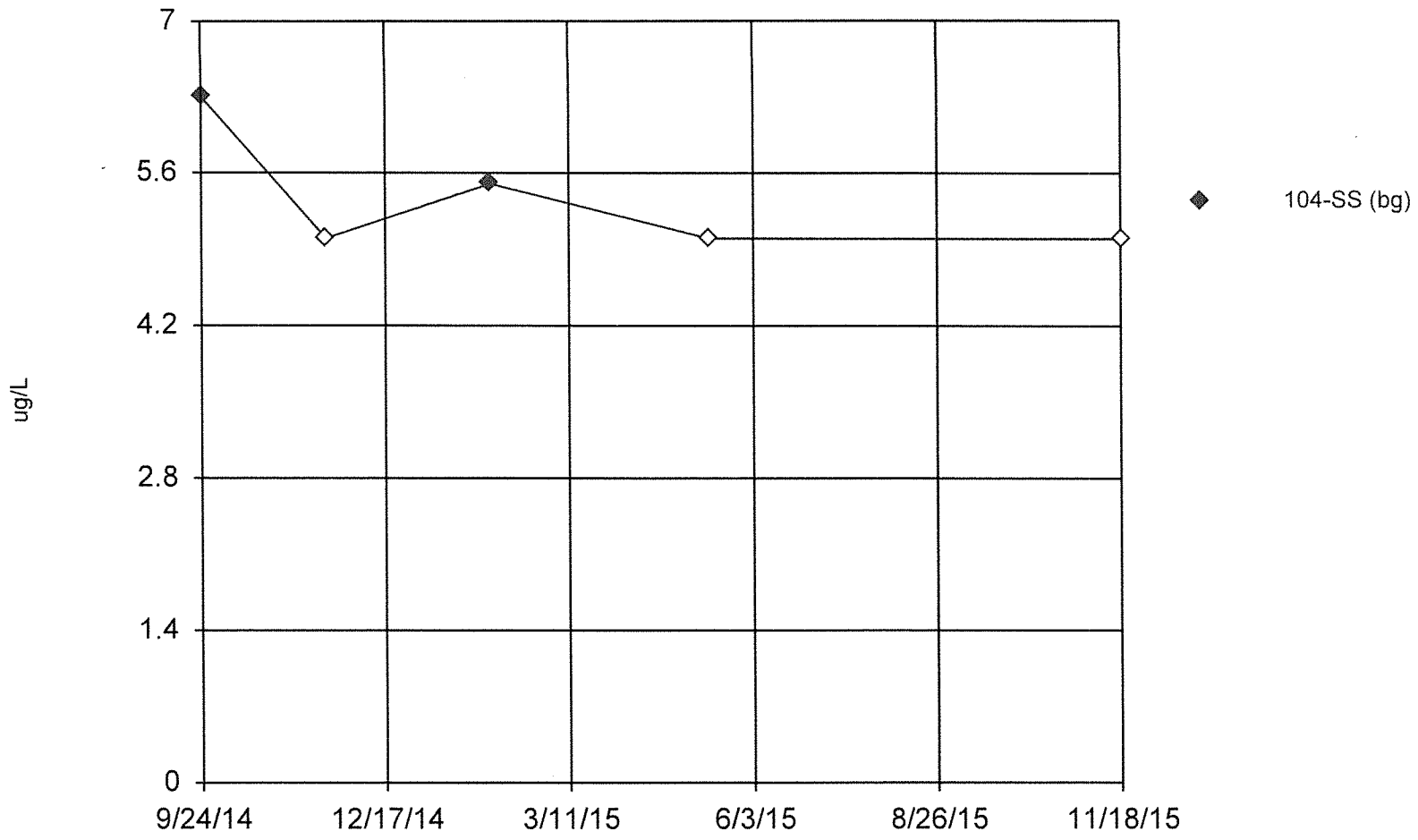
Hollow symbols indicate censored values.

Time Series



Constituent: 124-Trimethylbenzene Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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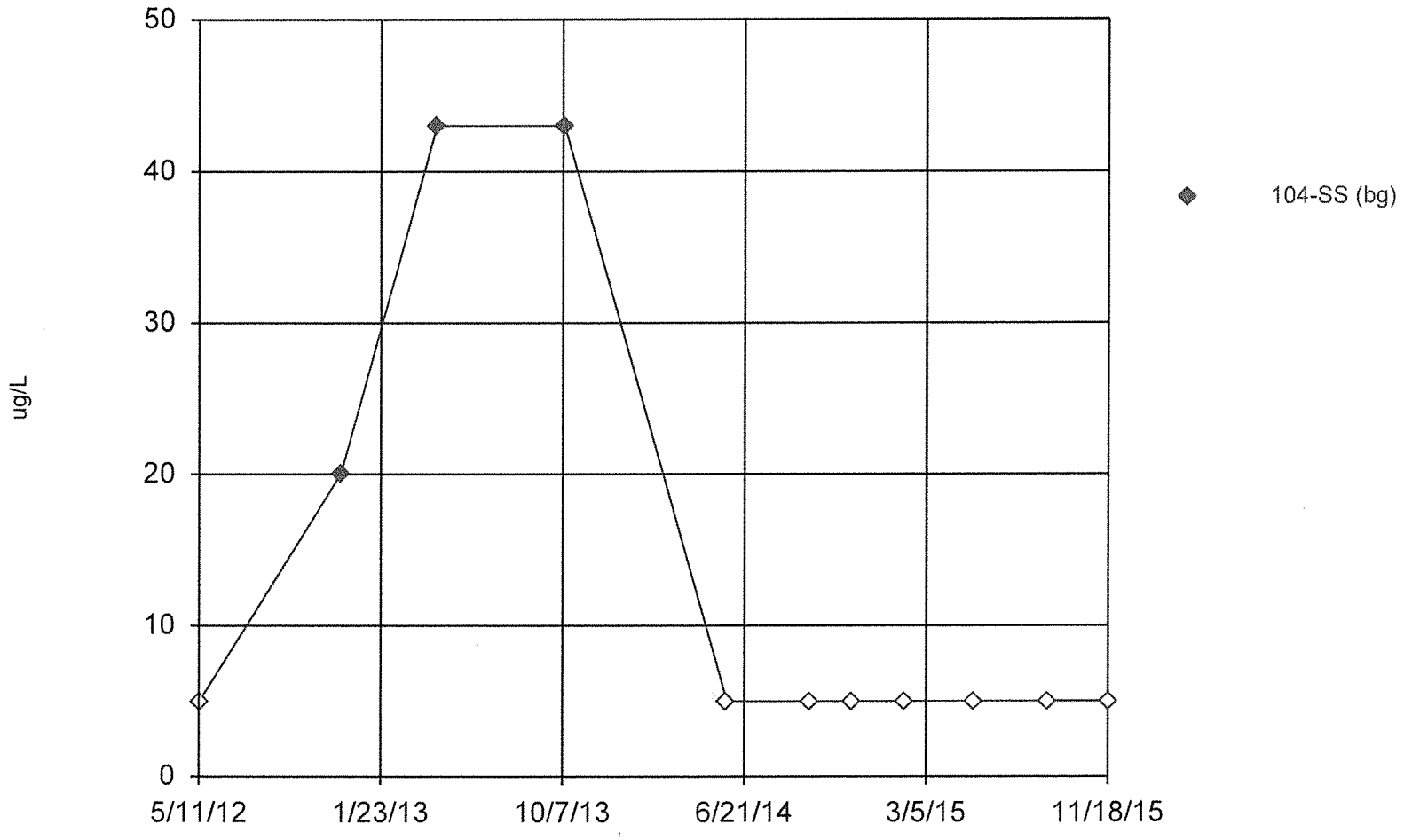
Hollow symbols indicate censored values.

Time Series

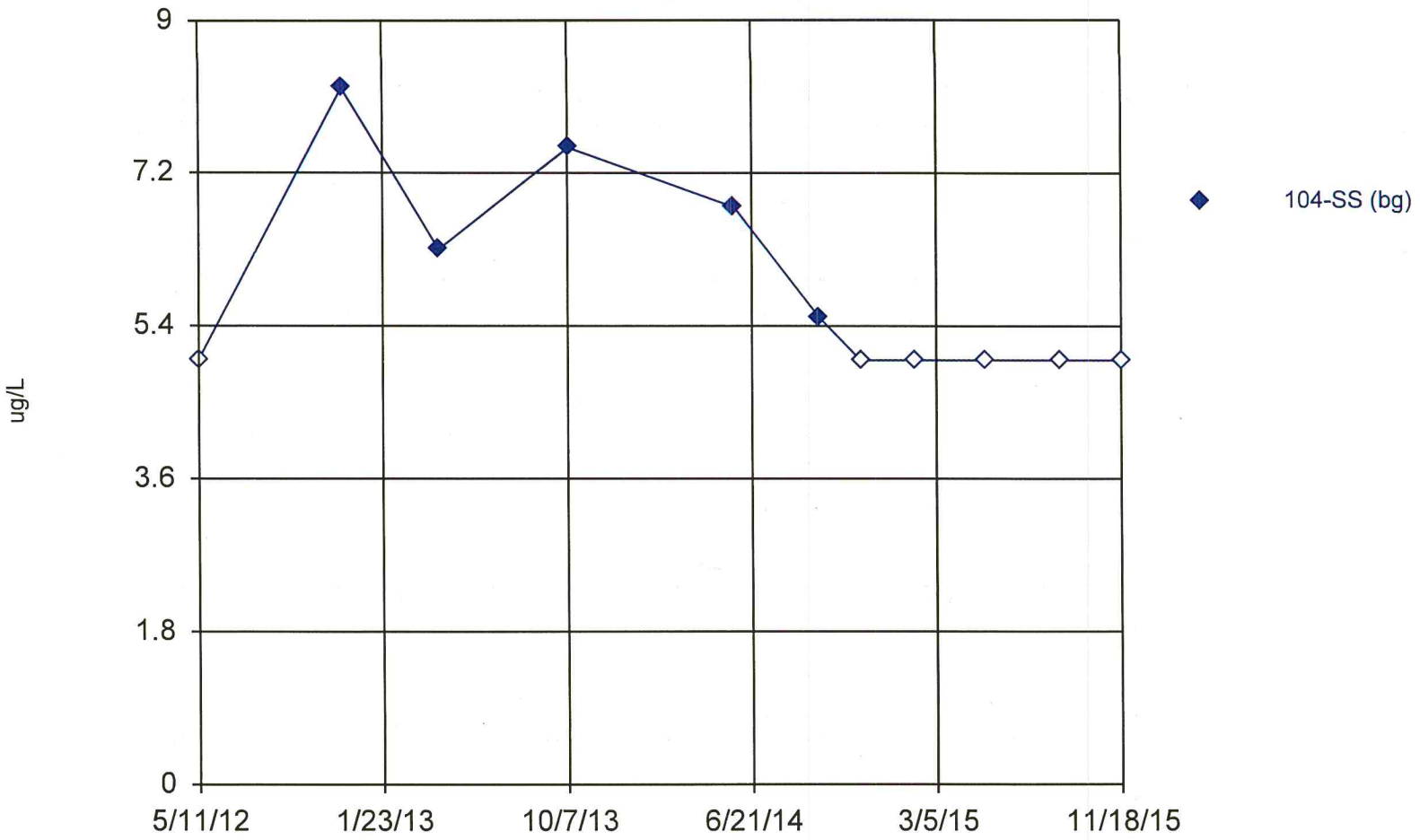


Constituent: 12-Dichloroethane Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

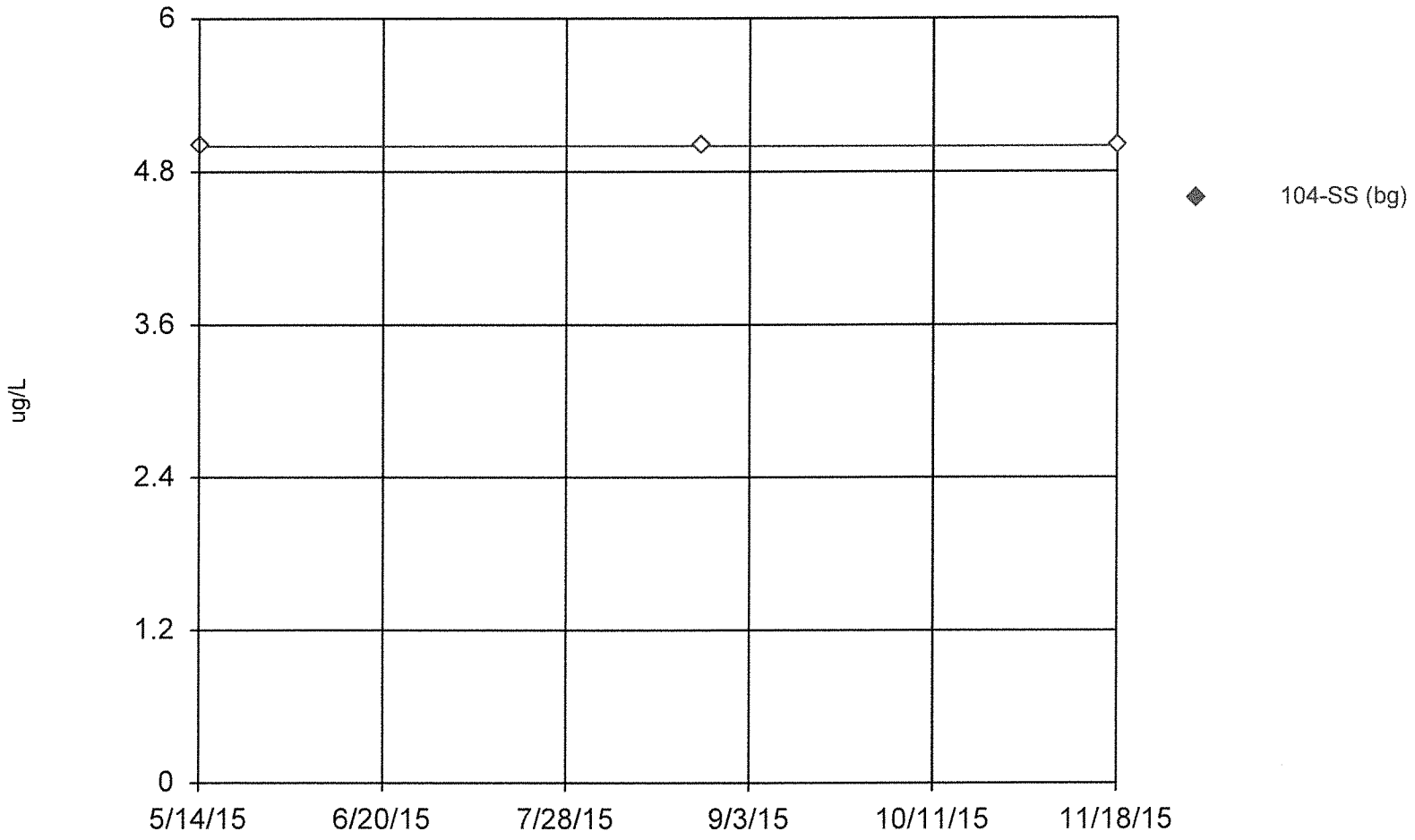


Constituent: 14-Dichlorobenzene Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

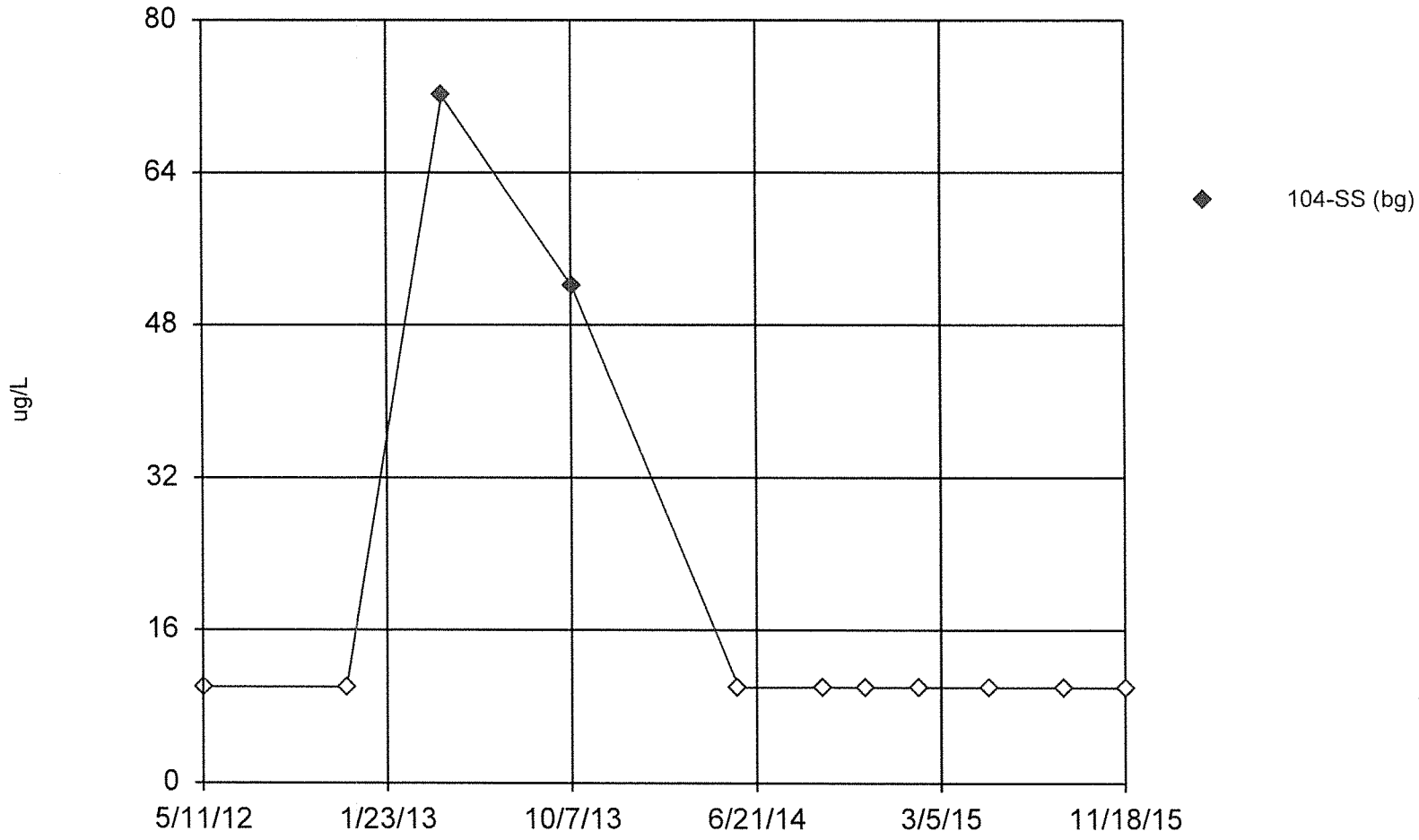


Constituent: 1-Chlorobutane Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

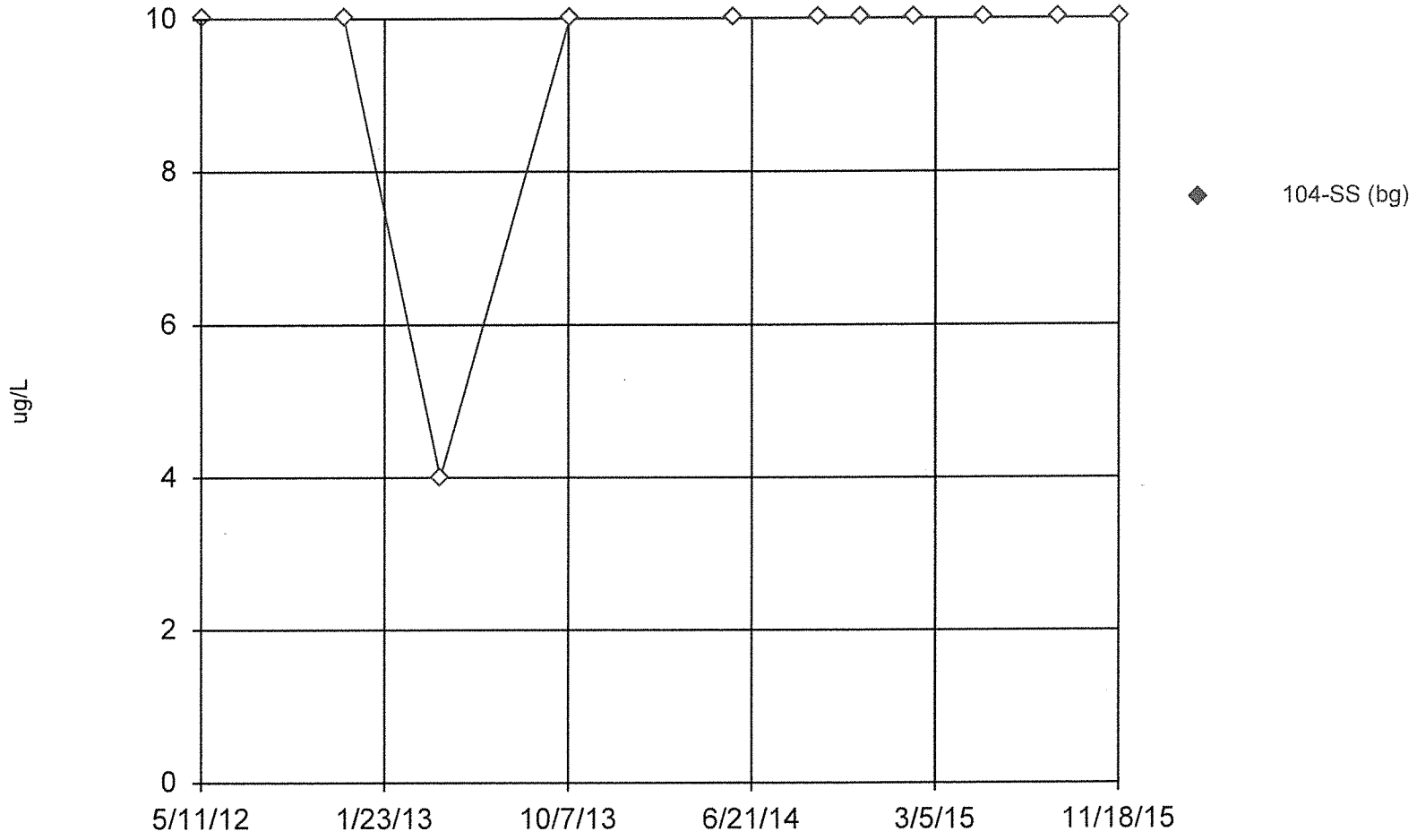


Constituent: 2-Hexanone Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

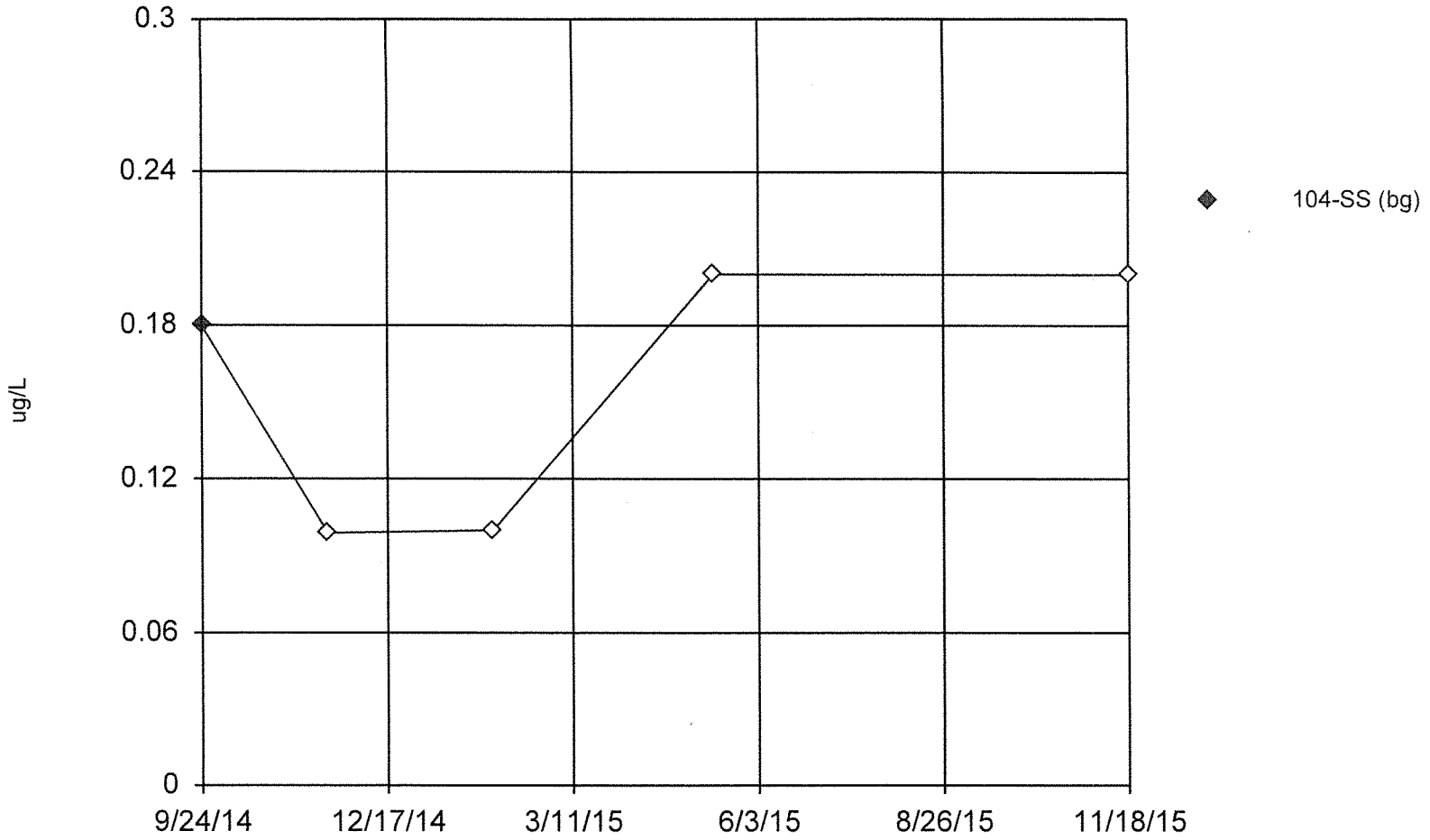


Constituent: Acetone Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

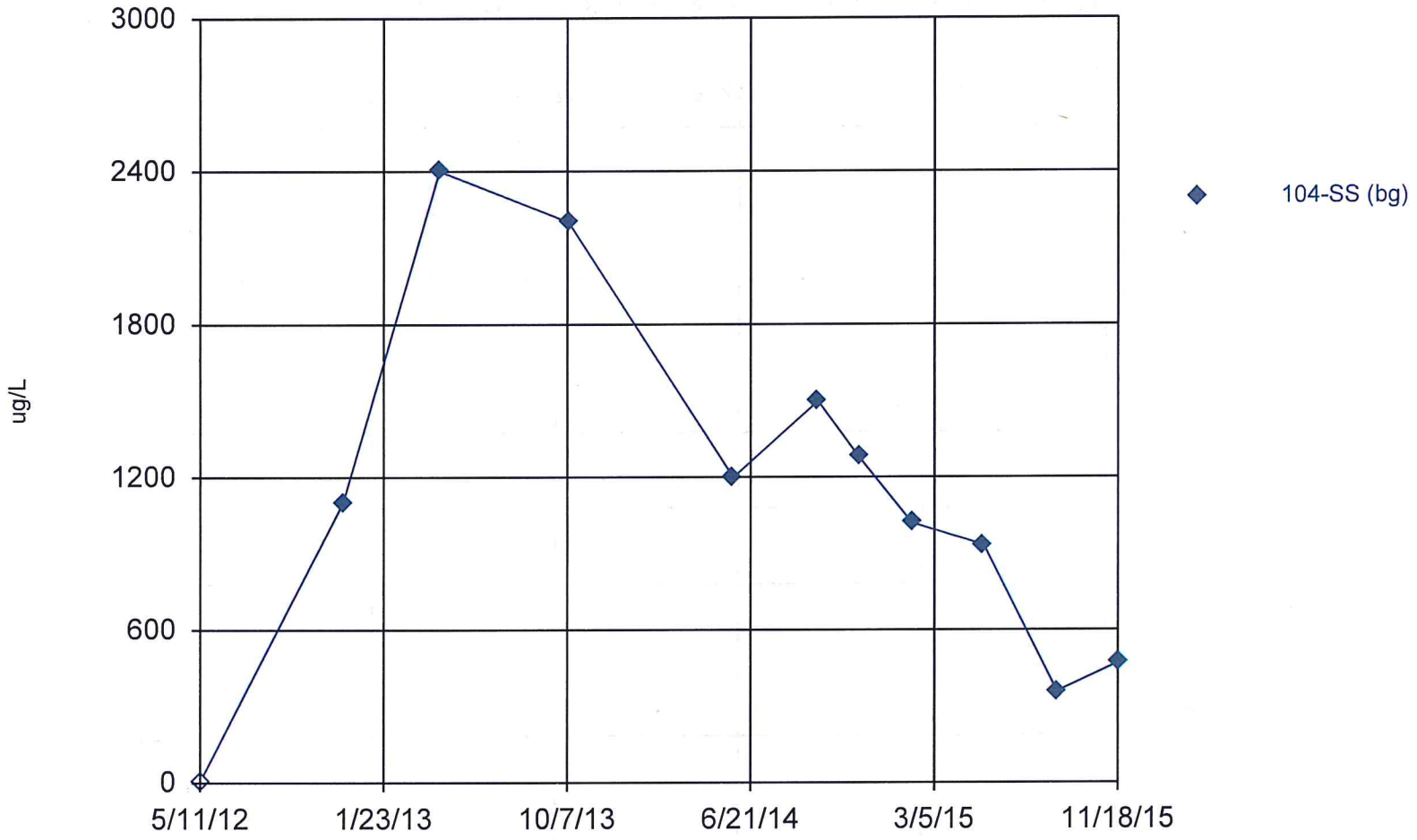


Constituent: Aroclor 1221 Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

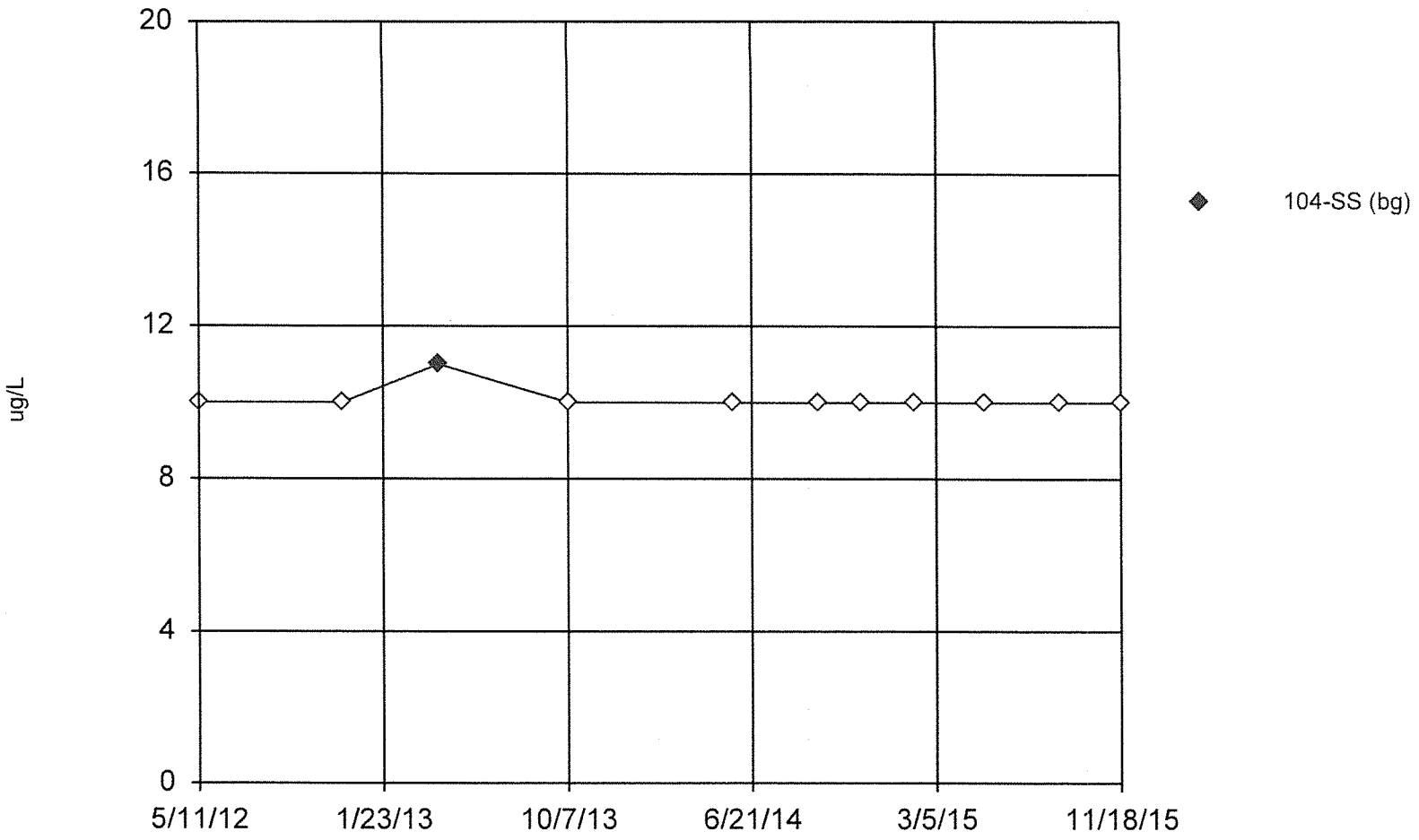


Constituent: Benzene Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

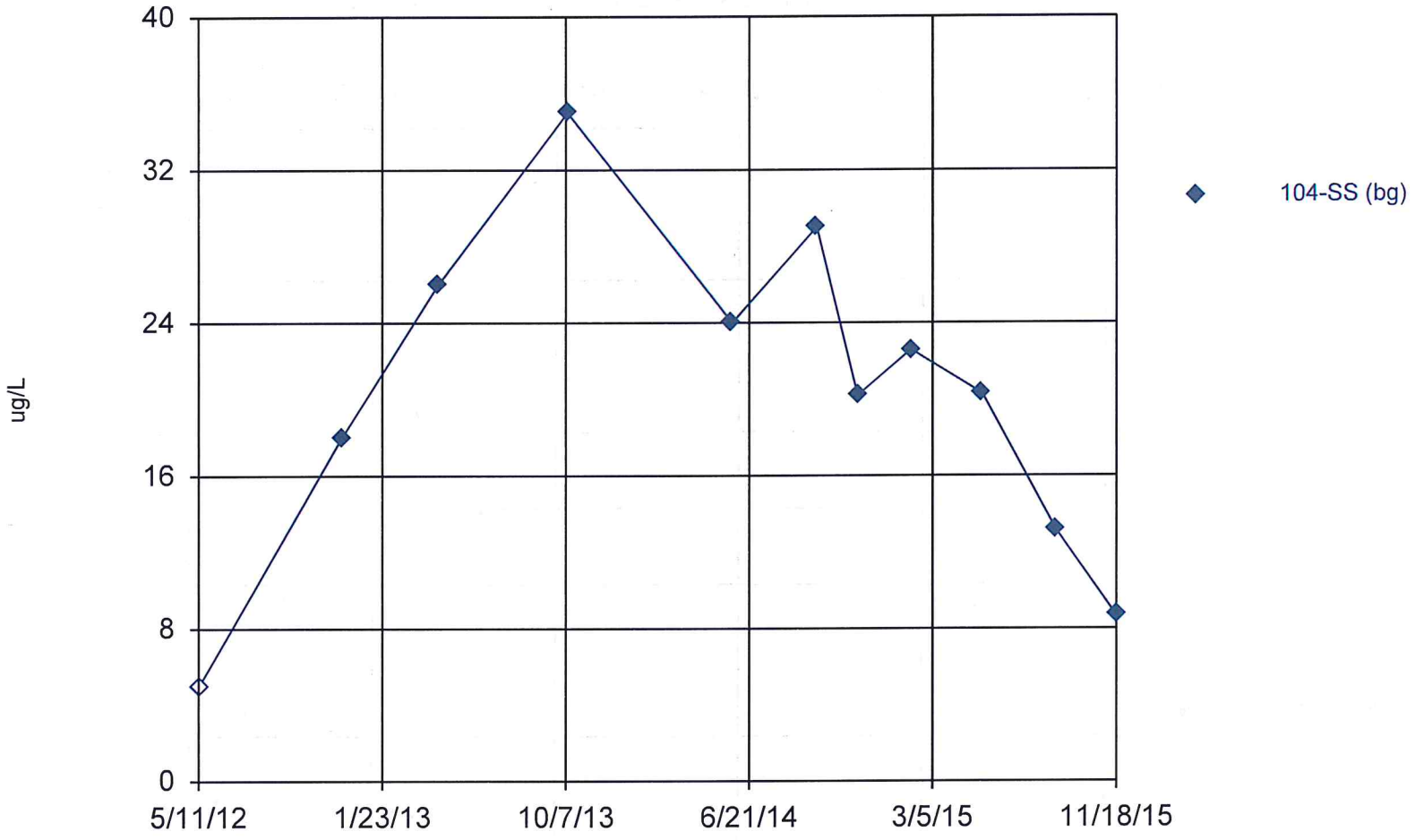


Constituent: Chloroethane Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

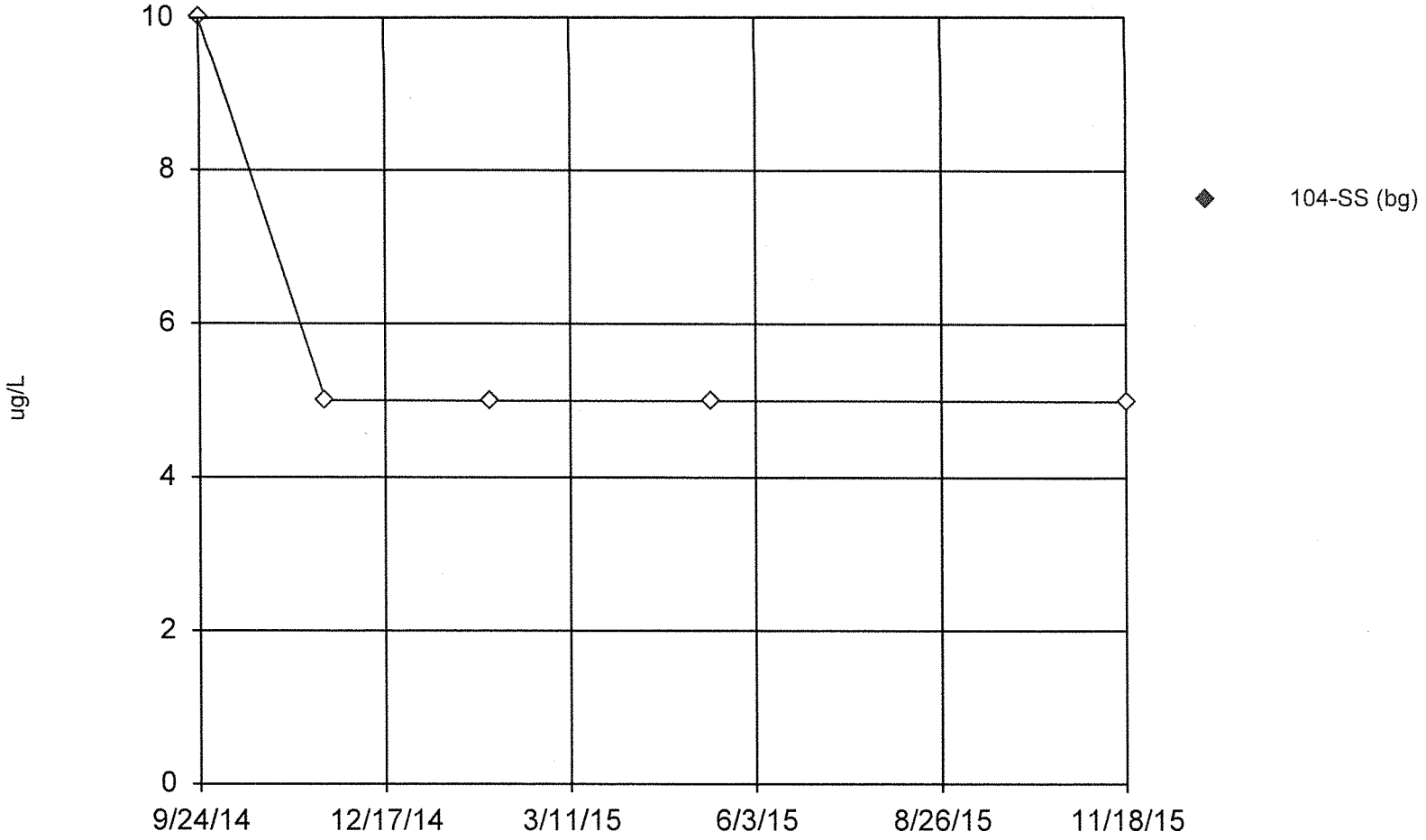


Constituent: Ethylbenzene Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

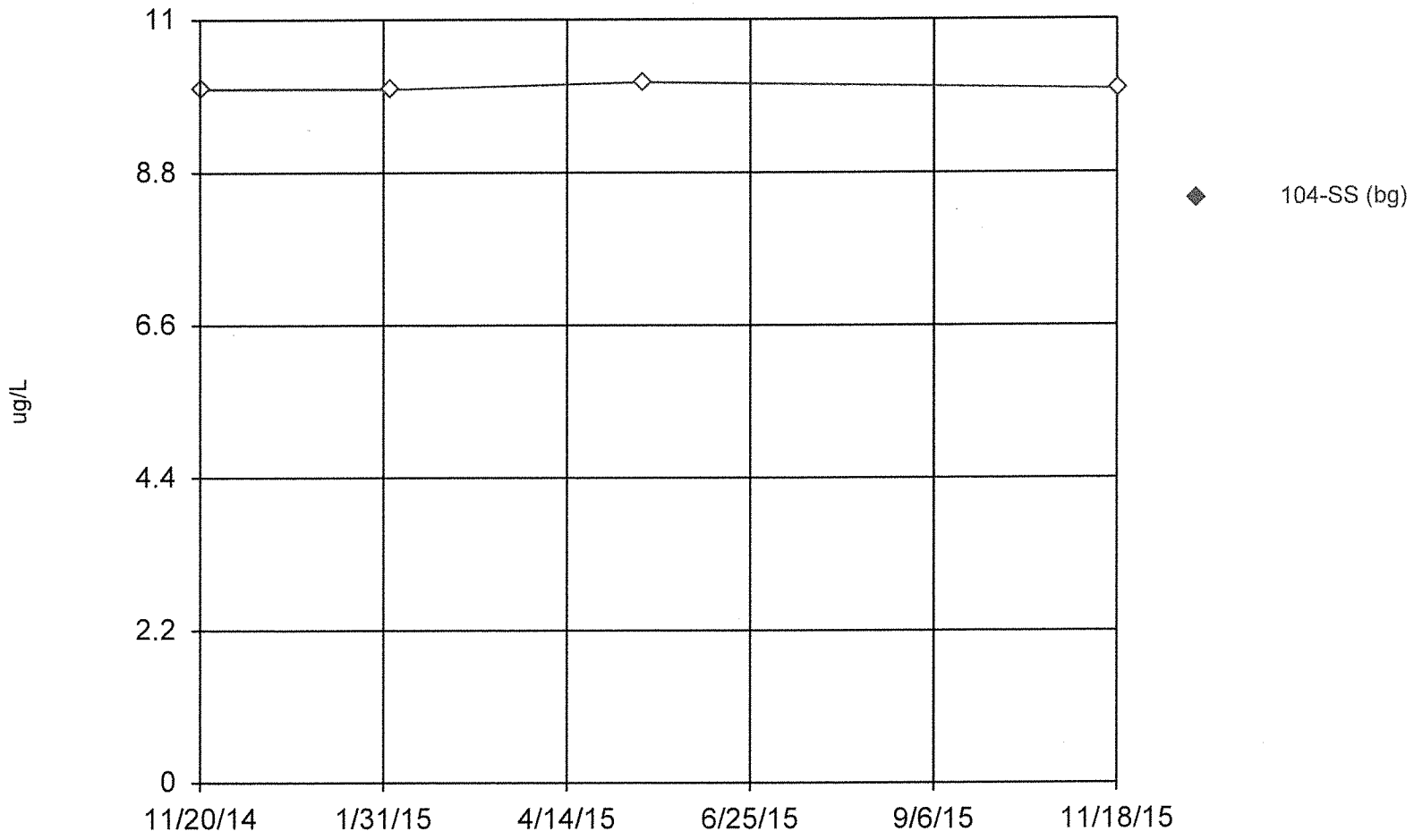


Constituent: Isopropylbenzene Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

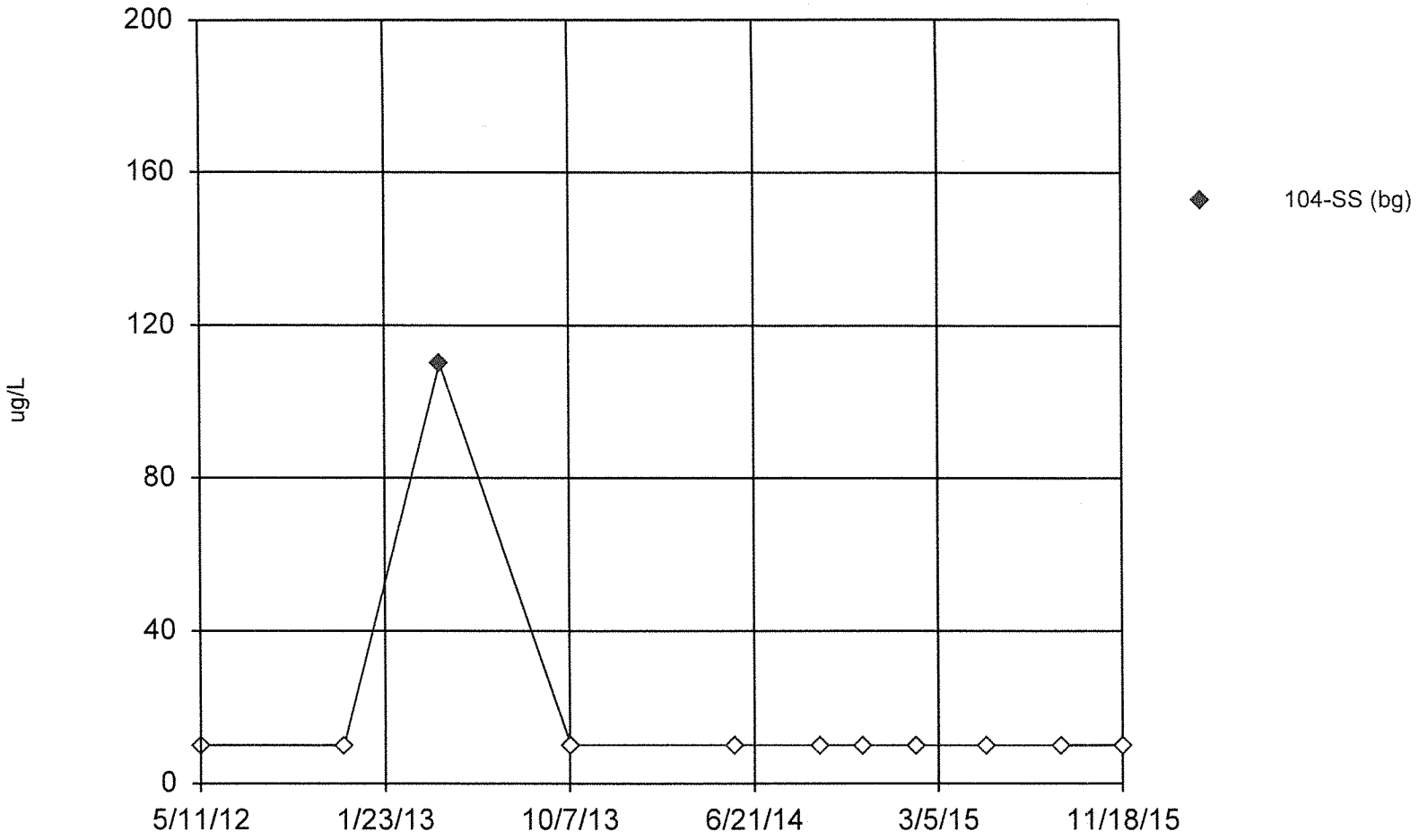


Constituent: m+p-Cresols Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

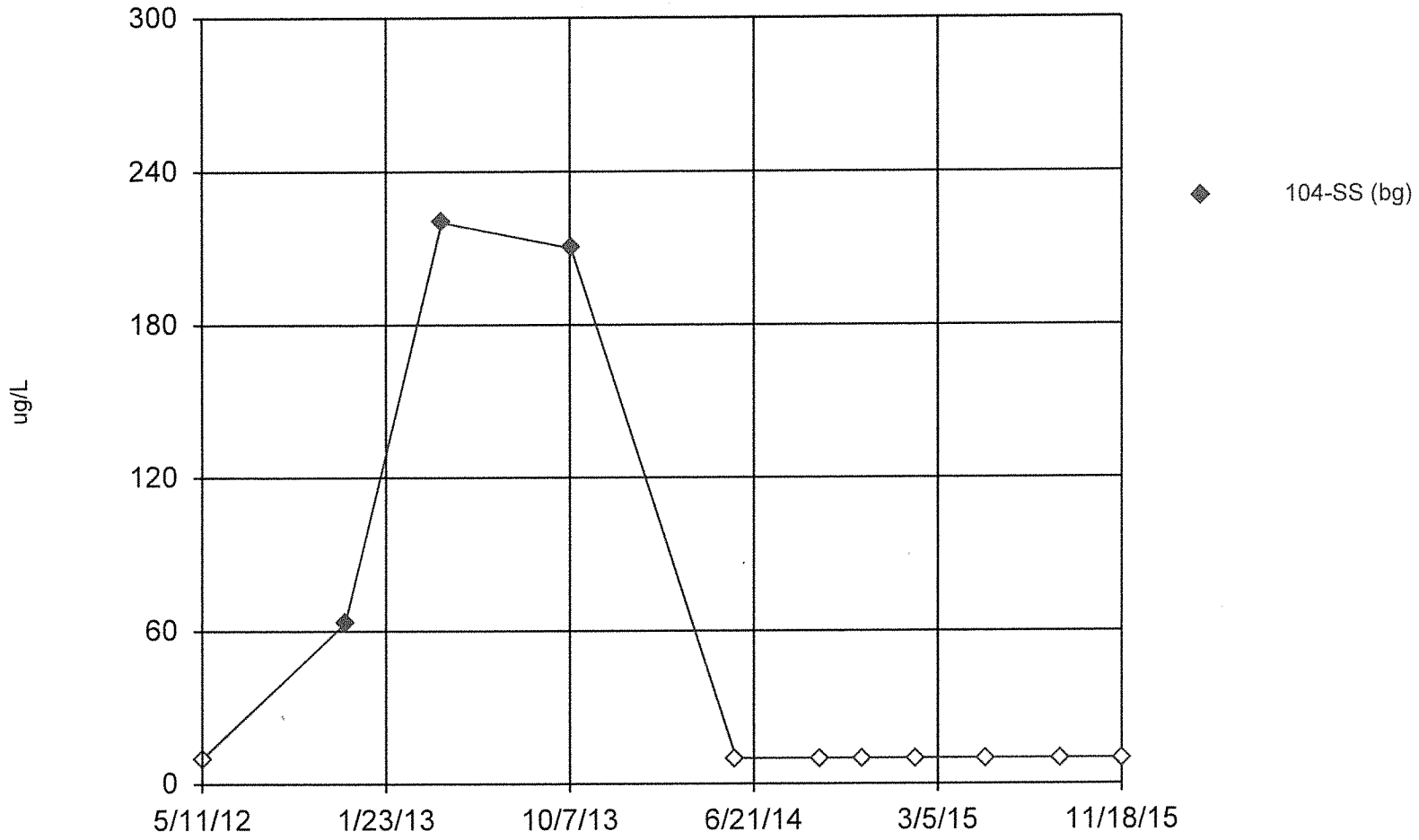


Constituent: Methyl ethyl ketone Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

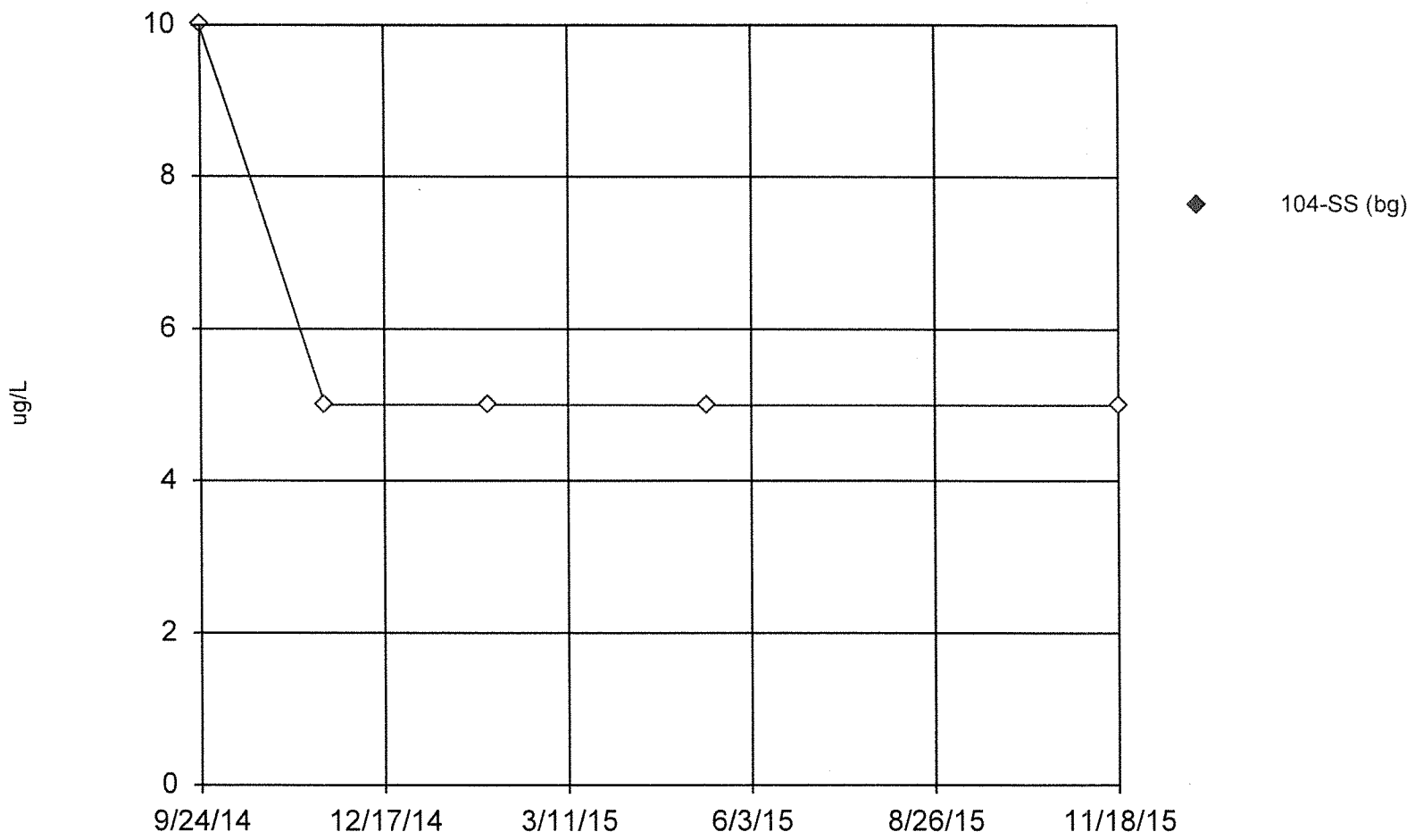


Constituent: Methyl-iso-butyl ketone Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

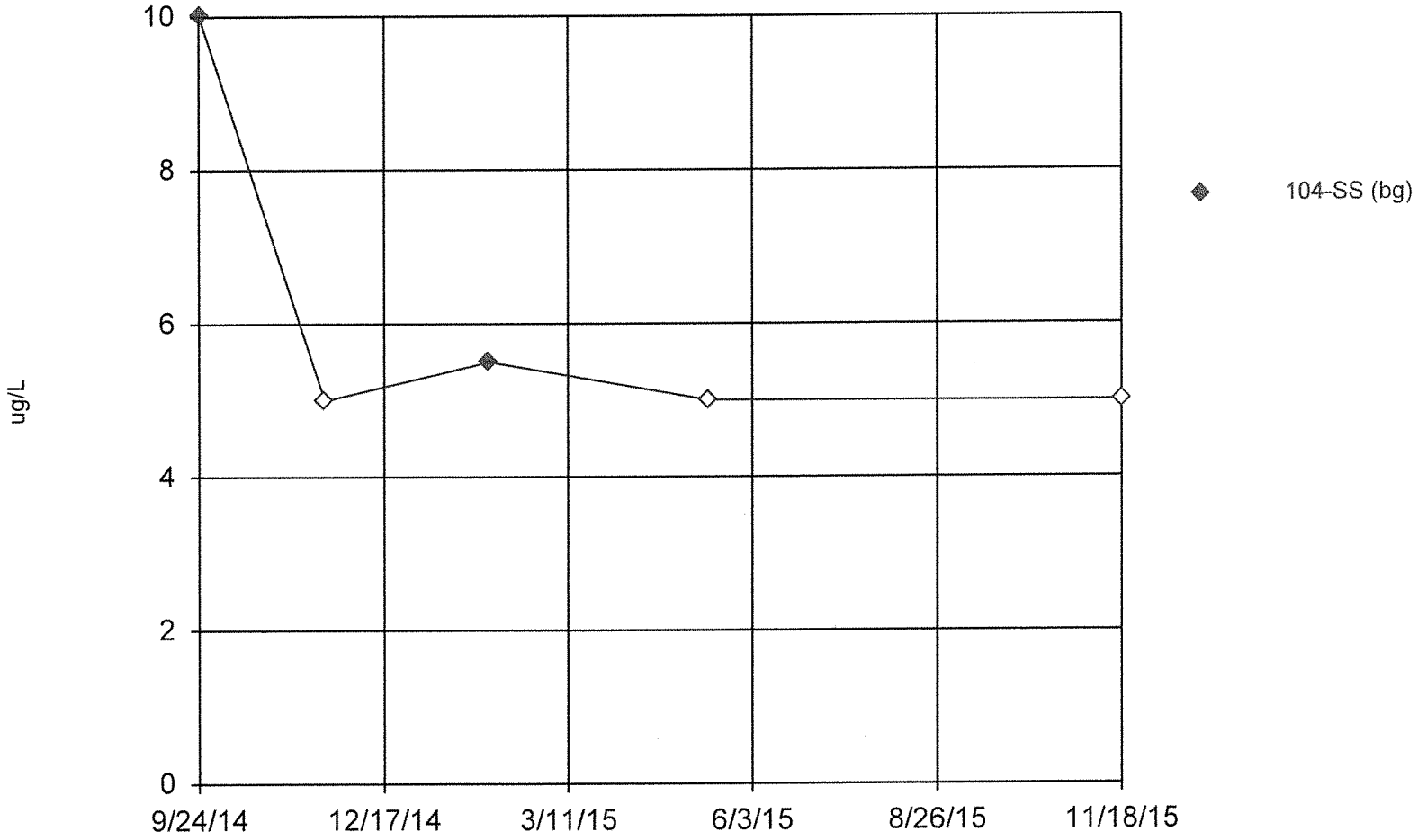


Constituent: Methyl-tert-butyl ether Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

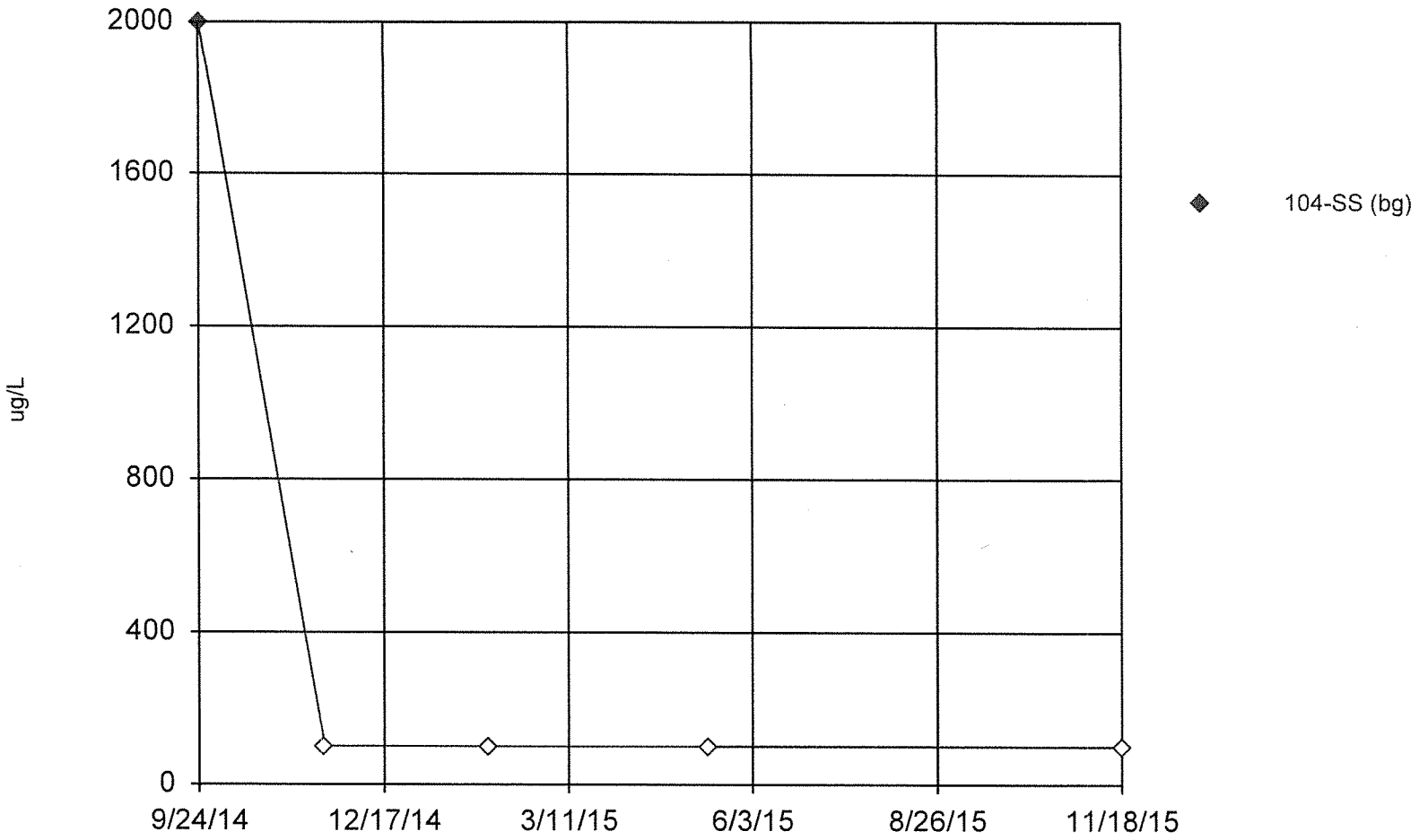


Constituent: p-Isopropyltoluene Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

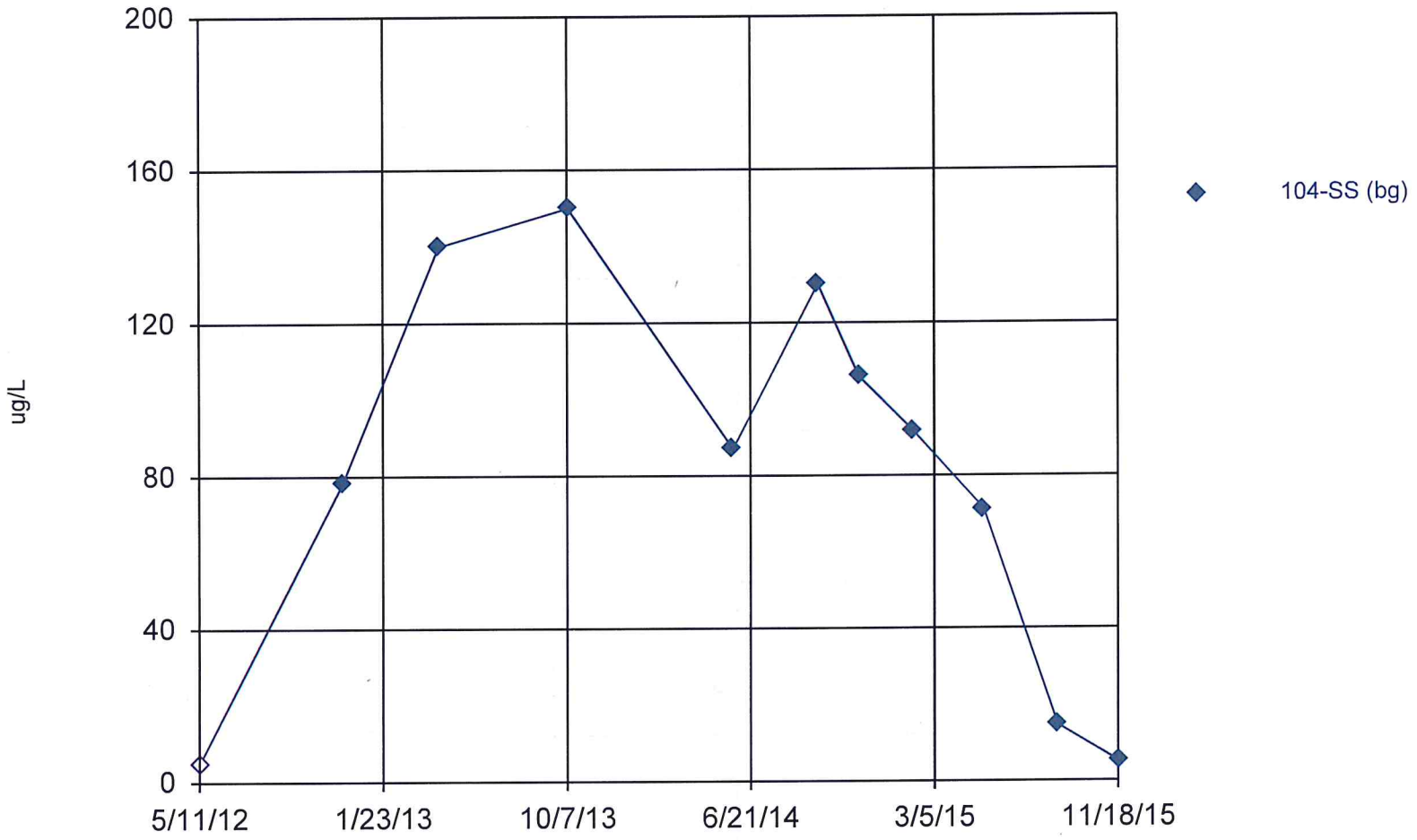


Constituent: Tetrahydrofuran Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

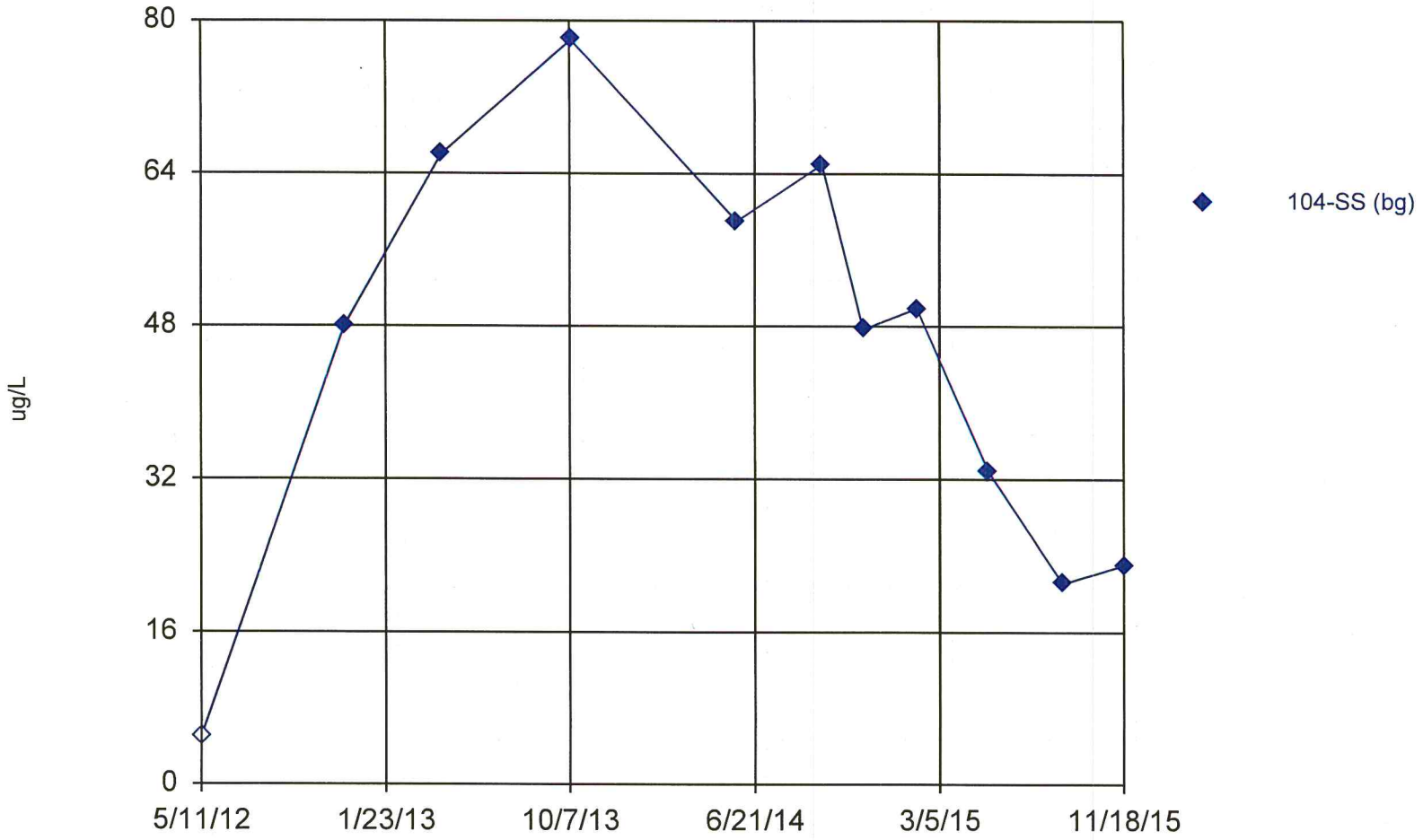


Constituent: Toluene Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series



Constituent: Xylenes [Total] Analysis Run 1/8/2016 9:49 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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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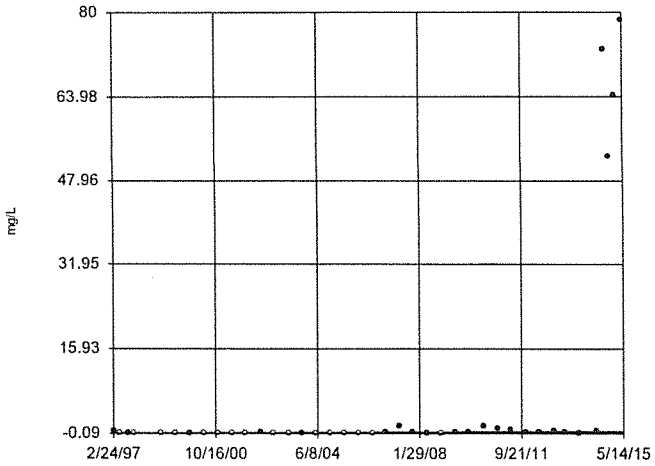
Hollow symbols indicate censored values.

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
Bridgeton LF Client: RSI Data: BRIDGETON

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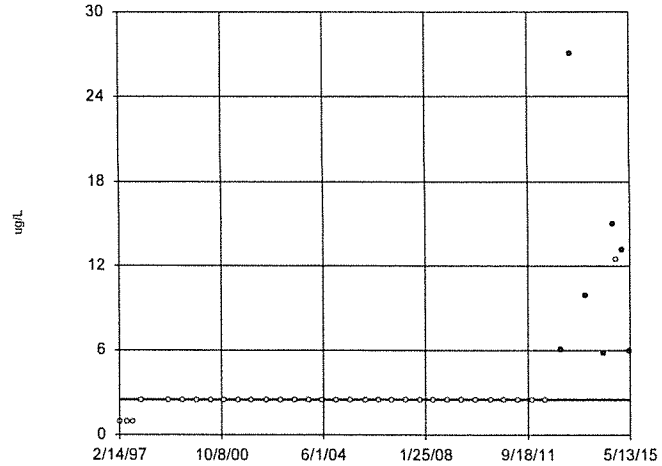
Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 0 units per year.

Mann-Kendall statistic = 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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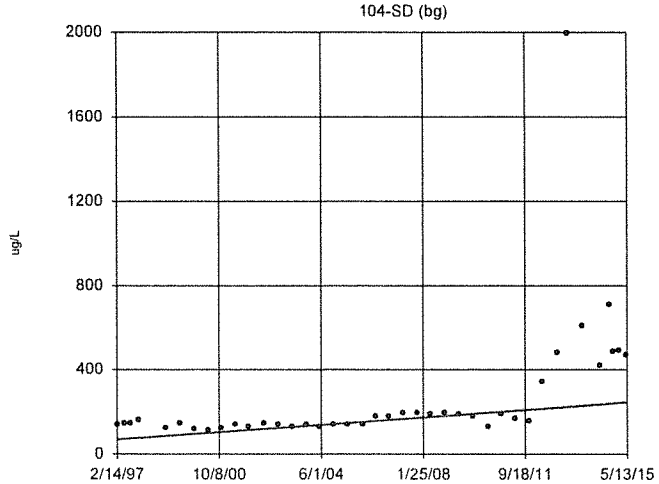
Sen's Slope Estimator

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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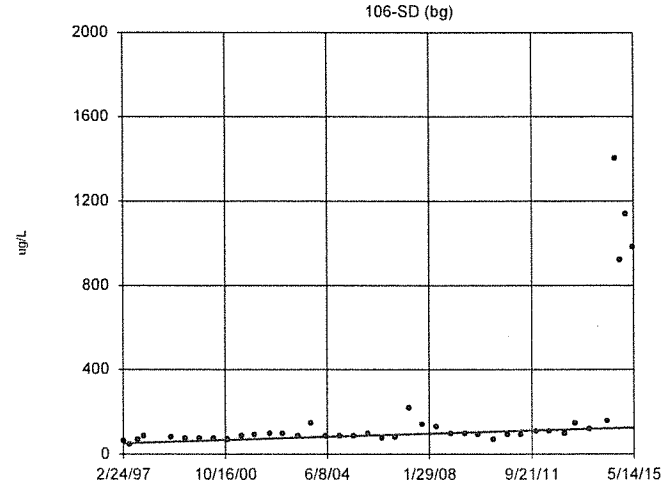
Sen's Slope Estimator

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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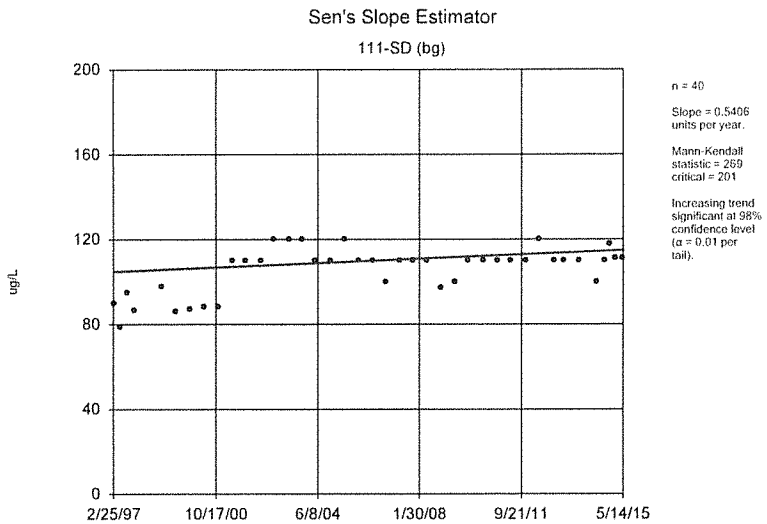

Constituent: Barium Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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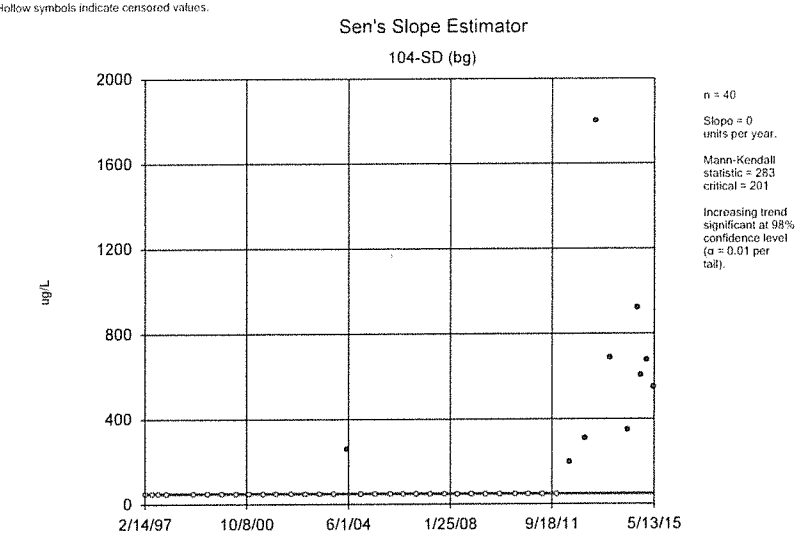
Hollow symbols indicate censored values.



Constituent: Boron Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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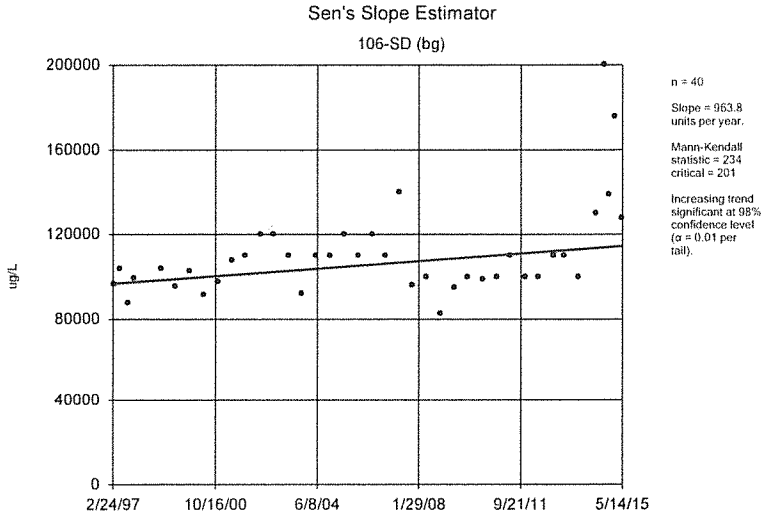

Constituent: Calcium Total Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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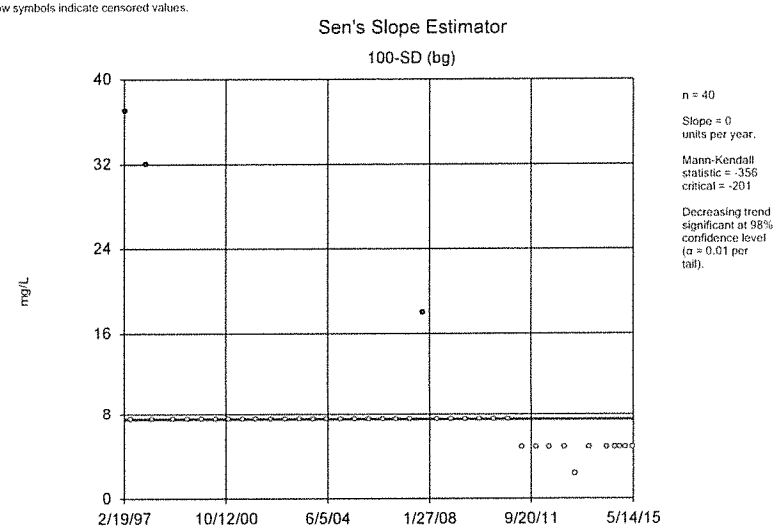

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 1:19 PM
Bridgeton LF Client: RSI Data: BRIDGETON

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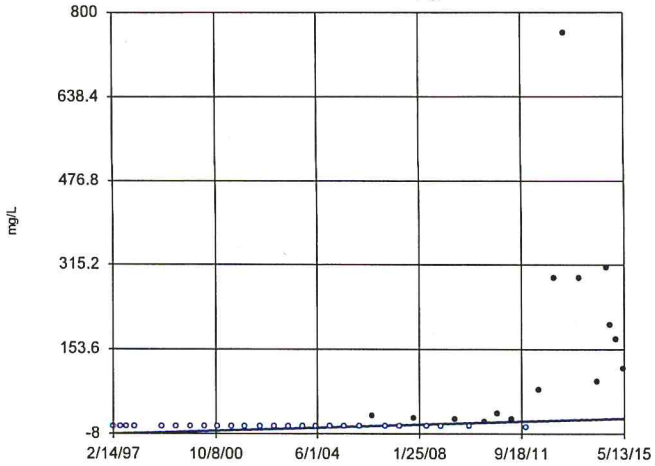
Sen's Slope Estimator

104-SD (bg)



n = 40

Slope = 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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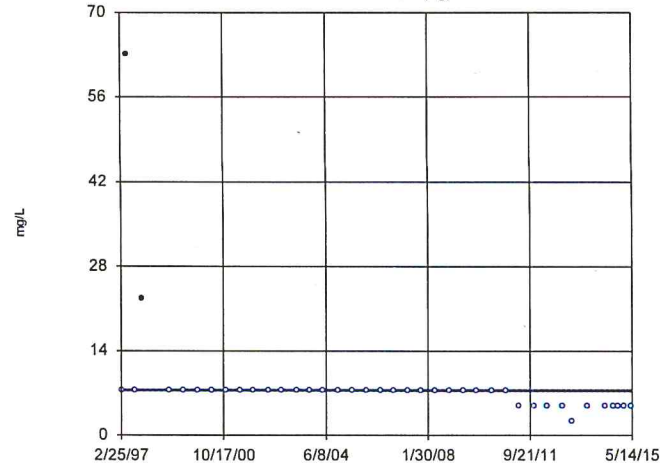
Hollow symbols indicate censored values.

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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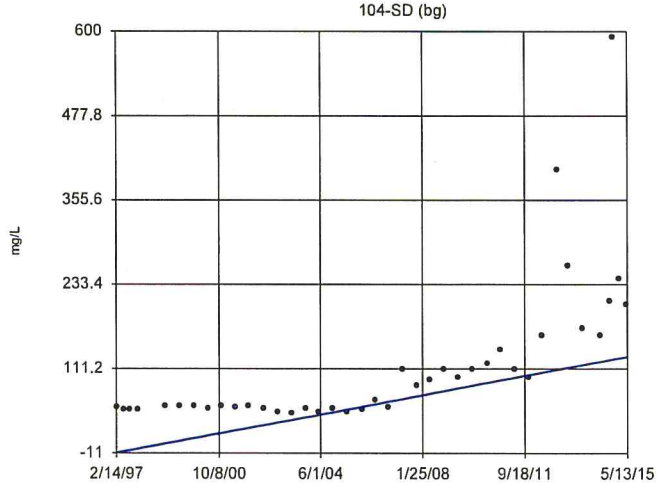
Sen's Slope Estimator

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

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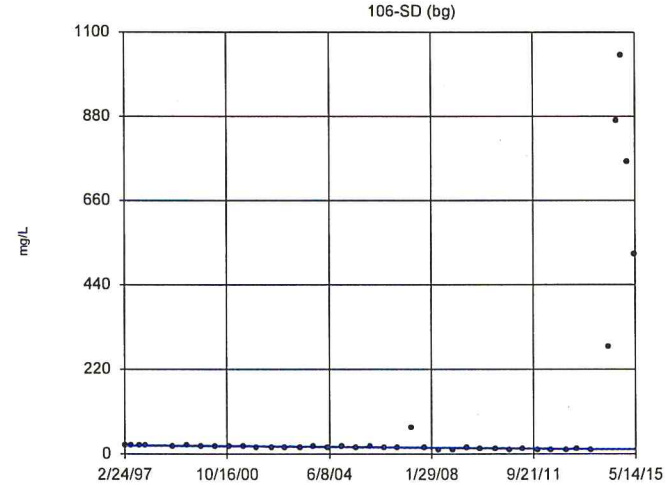
Sen's Slope Estimator

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

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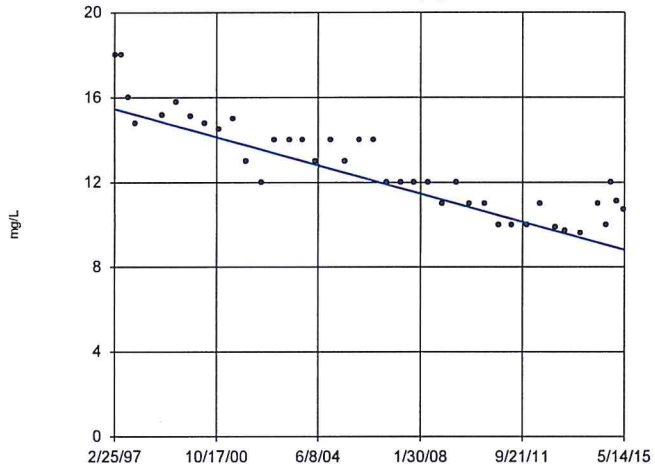
Sen's Slope Estimator

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

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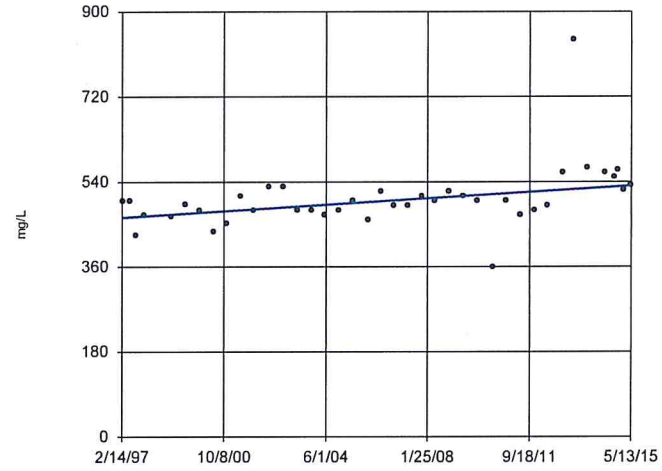
Sen's Slope Estimator

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

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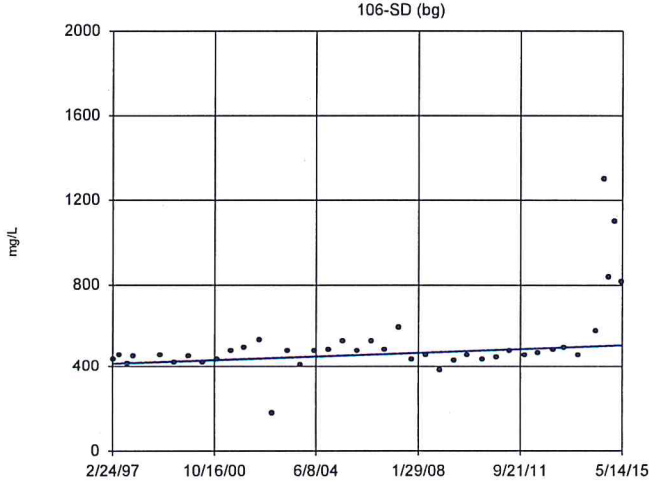
Sen's Slope Estimator

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).

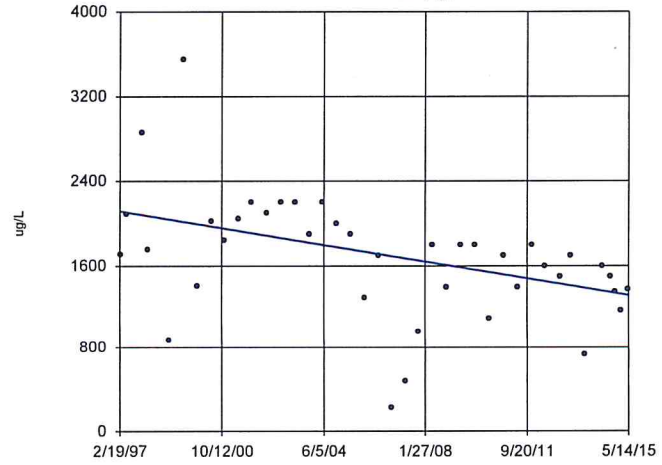
Constituent: Hardness Total Analysis Run 1/7/2016 1:19 PM

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).

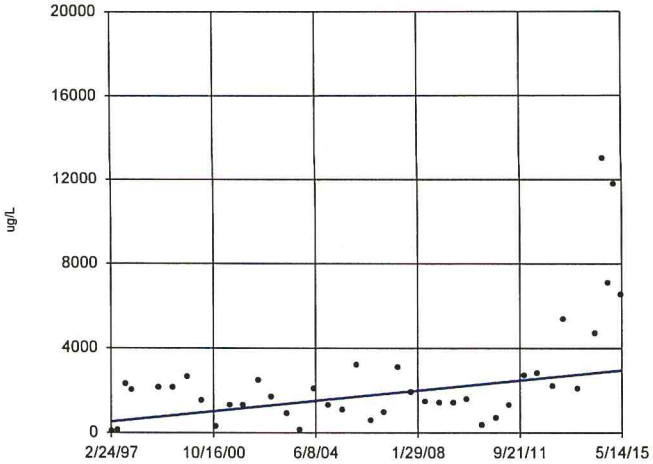
Constituent: Iron Total Analysis Run 1/7/2016 1:19 PM

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).

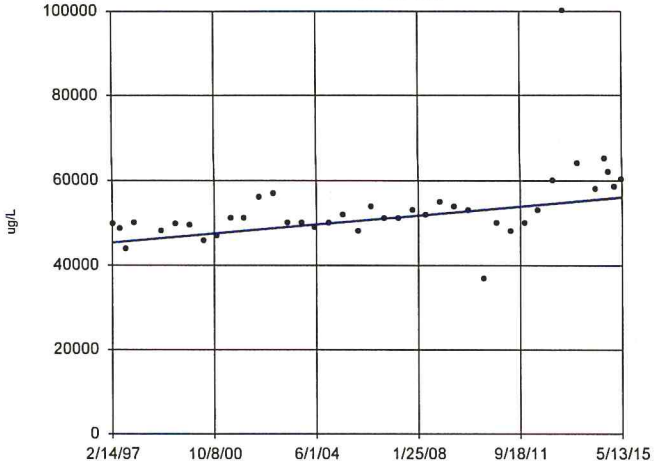
Constituent: Iron Total Analysis Run 1/7/2016 1:19 PM

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).

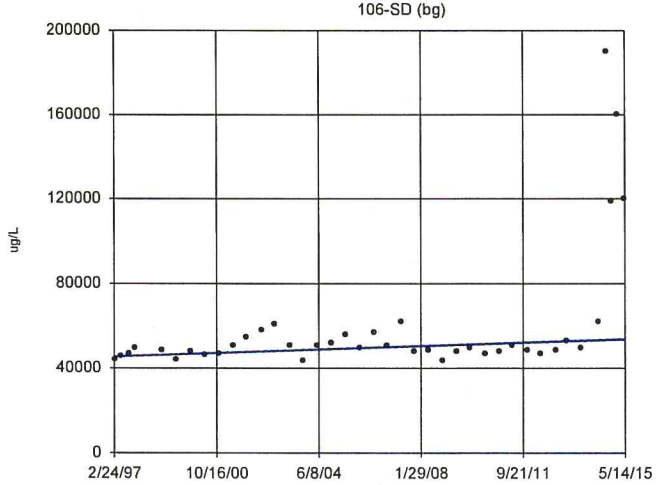
Constituent: Magnesium Total Analysis Run 1/7/2016 1:19 PM

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).

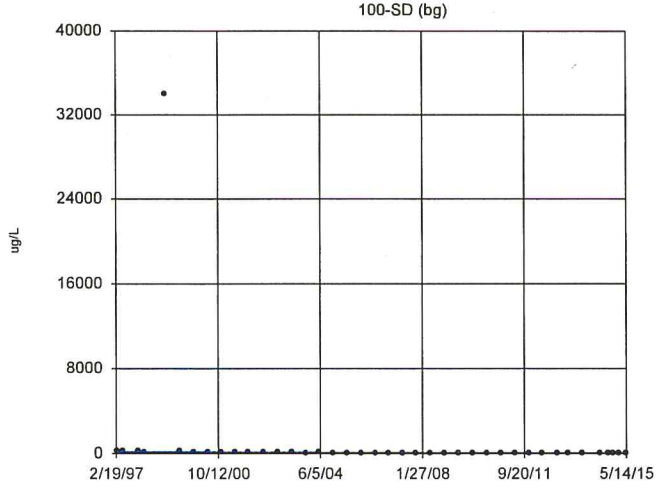
Constituent: Magnesium Total Analysis Run 1/7/2016 1:19 PM

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

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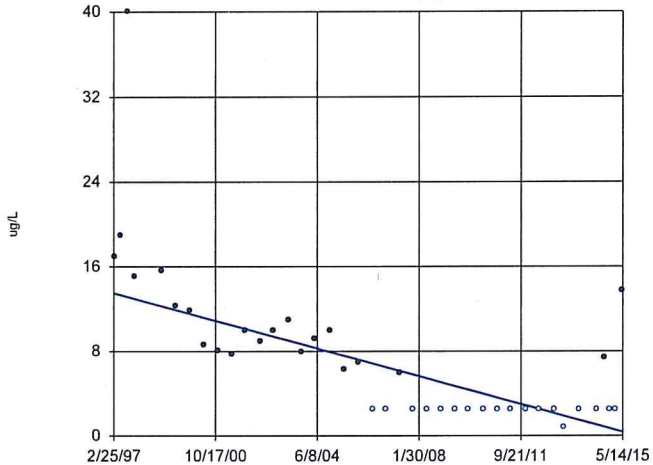
Hollow symbols indicate censored values.

Sen's Slope Estimator

111-SD (bg)



n = 40

Slope = -0.7201 units per year.

Mann-Kendall statistic = -457
critical = -201

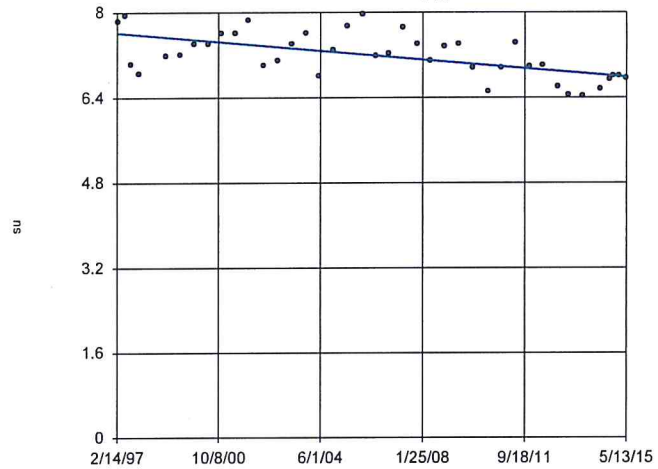
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

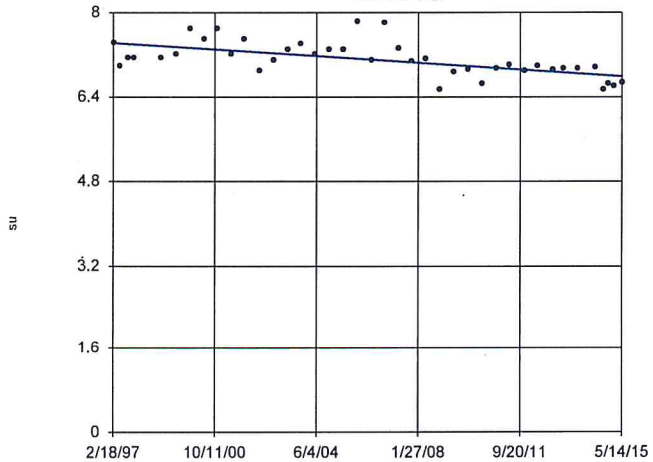
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

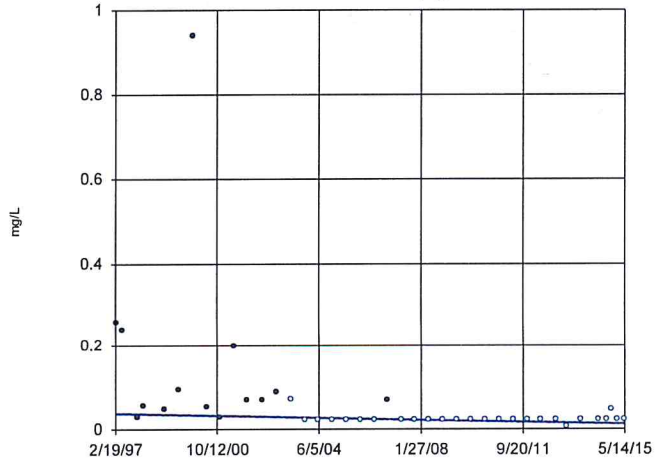
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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

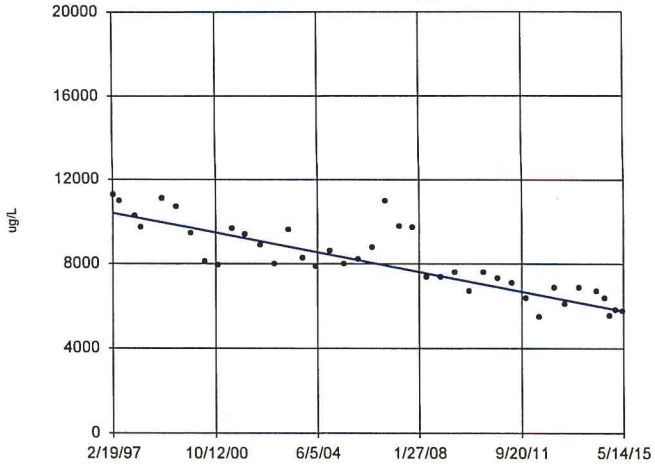
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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).

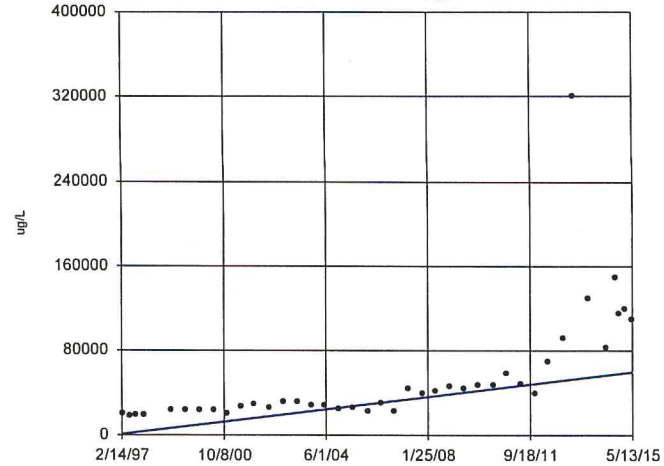
Constituent: Sodium Total Analysis Run 1/7/2016 1:20 PM

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).

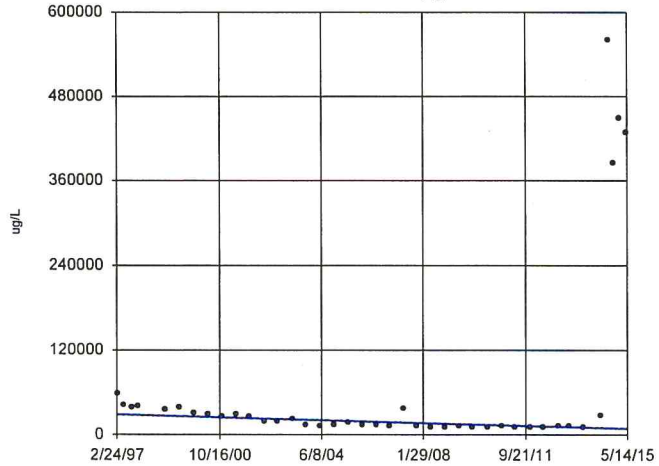
Constituent: Sodium Total Analysis Run 1/7/2016 1:20 PM

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).

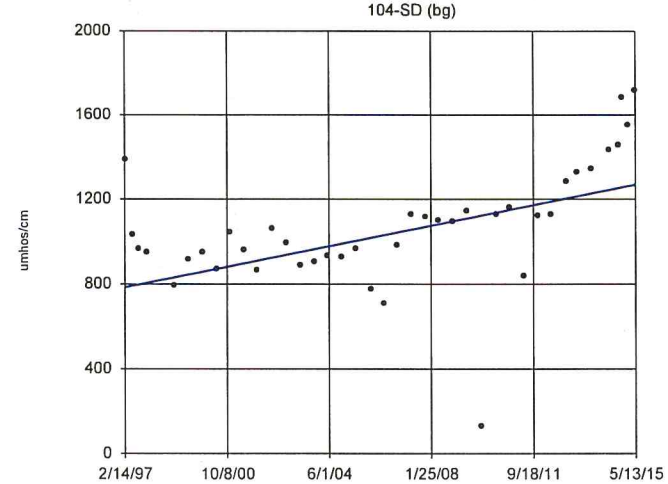
Constituent: Sodium Total Analysis Run 1/7/2016 1:20 PM

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).

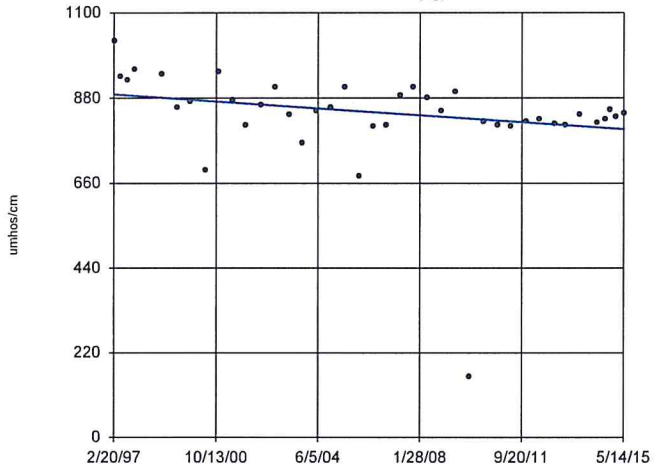
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:20 PM

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).

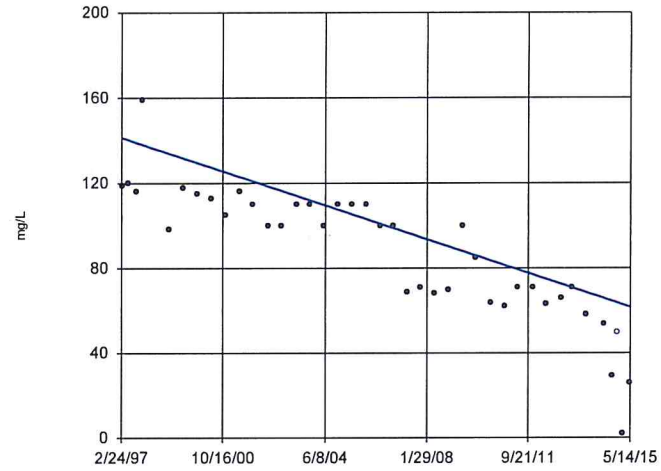
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 1:20 PM

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).

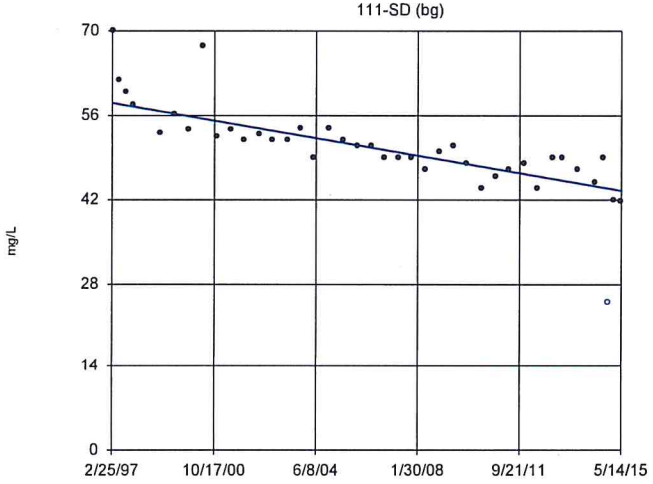
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:20 PM

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).

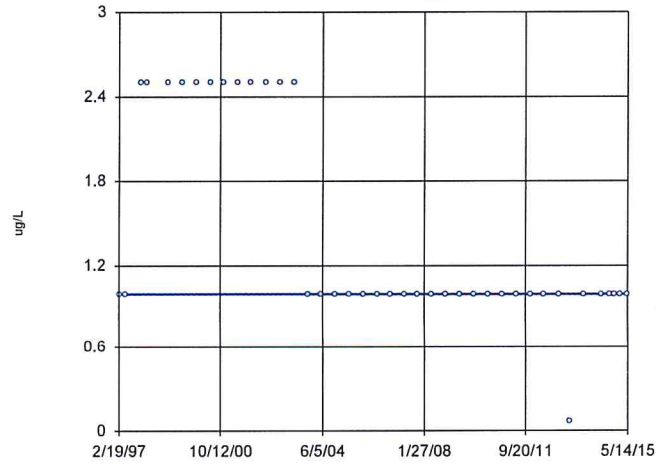
Constituent: Sulfate as SO4 Analysis Run 1/7/2016 1:20 PM

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).

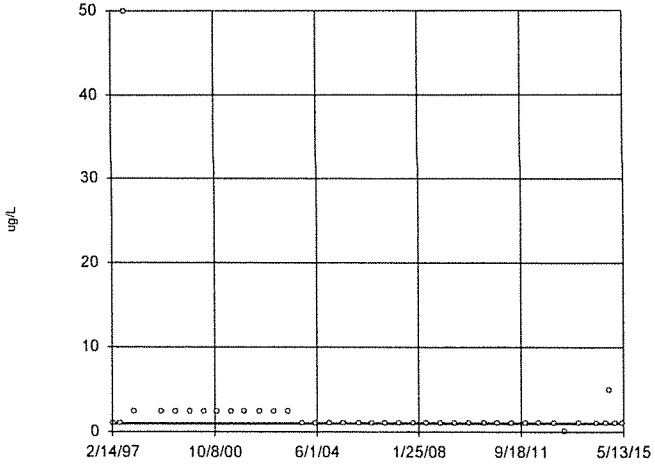
Constituent: Thallium Total Analysis Run 1/7/2016 1:20 PM

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

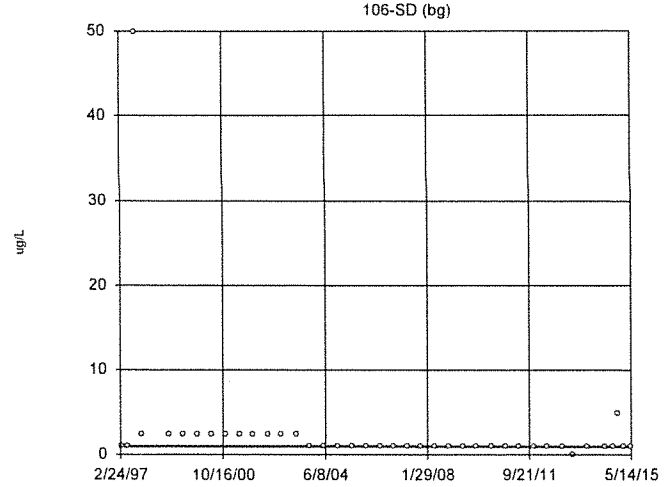
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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

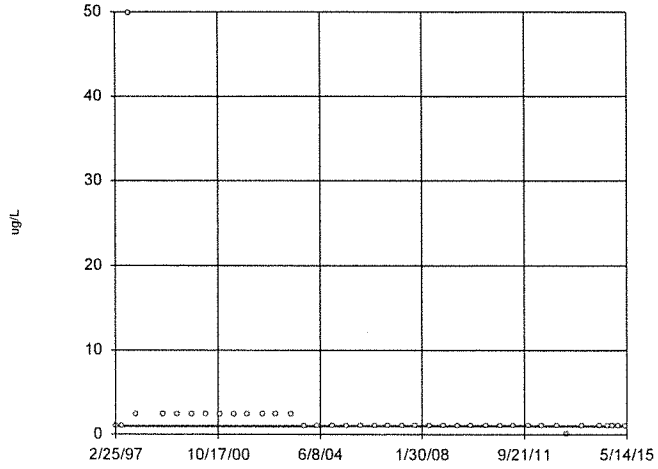
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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

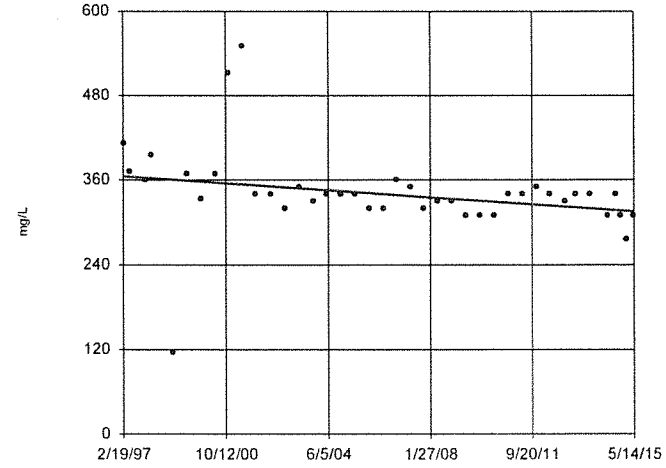
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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

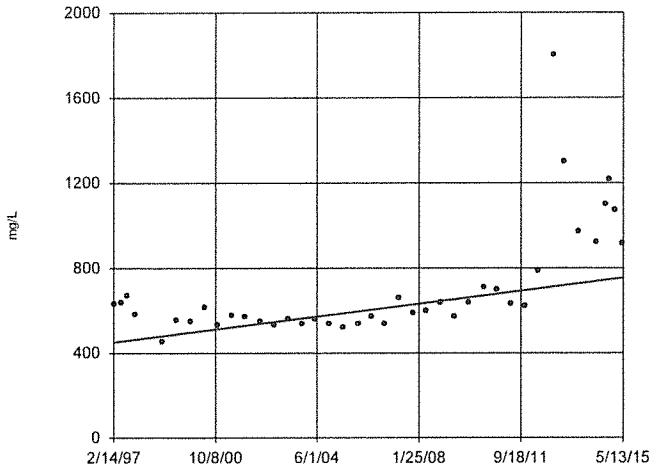
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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).

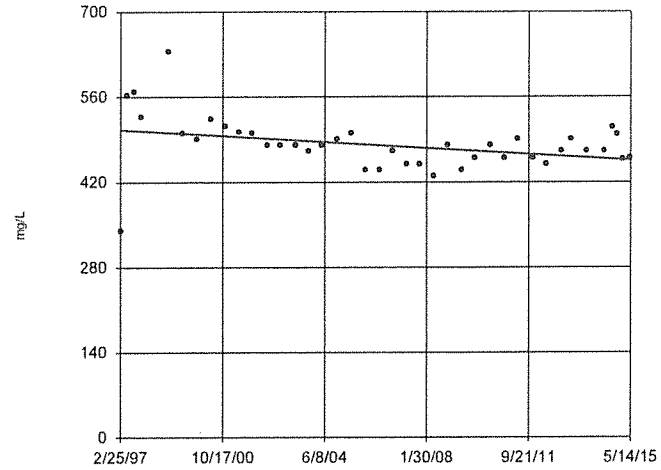
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:20 PM

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).

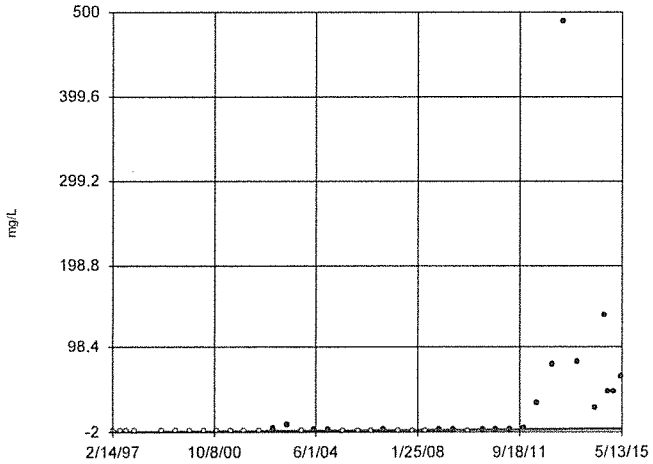
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 1:20 PM

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).

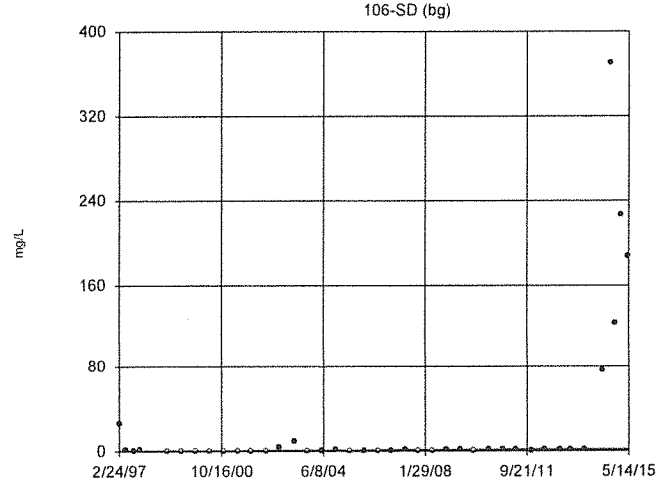
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 1:20 PM

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).

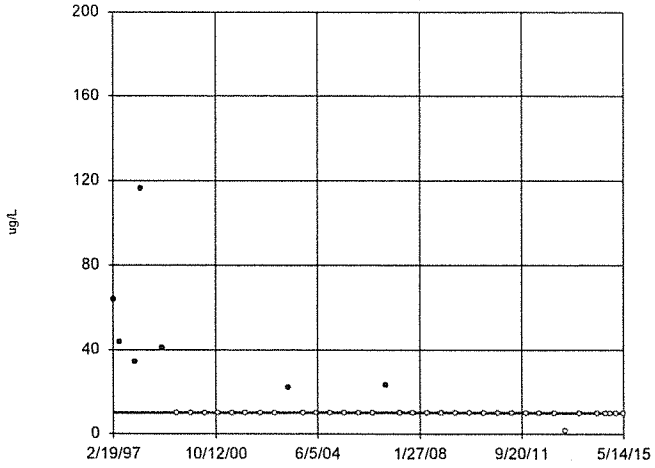
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 1:20 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = -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 Printed 1/7/2016, 11:46 AM

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	11/17/2015	0.15	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	11/18/2015	39.6	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)	**106-SD**	**79**	**n/a**	**11/24/2015**	**83.4**	**Yes**	**40**	**n/a**	**n/a**	**40**	**n/a**	**n/a**	**0.001152**	**NP Intra (normality) 1 of 2**
Ammonia as N (mg/L)	111-SD	0.35	n/a	12/2/2015	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	2.5	n/a	11/17/2015	3ND	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	50	n/a	11/18/2015	3ND	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	50	n/a	11/24/2015	3ND	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	50	n/a	12/2/2015	3ND	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	11/17/2015	5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Arsenic Total (ug/L)	106-SD	12	n/a	11/24/2015	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	12/2/2015	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	11/17/2015	320	No	40	7.4e9	2.2e9	0	None	x^4	0.0001937	Param Intra 1 of 2
Barium Total (ug/L)	104-SD	2000	n/a	11/18/2015	553	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Barium Total (ug/L)	**106-SD**	**170**	**n/a**	**11/24/2015**	**1380**	**Yes**	**35**	**4.53**	**0.2517**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Barium Total (ug/L)	111-SD	120	n/a	12/2/2015	110	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Beryllium Total (ug/L)	100-SD	2.2	n/a	11/17/2015	2ND	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	5.0	n/a	11/18/2015	2ND	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	5.0	n/a	11/24/2015	2ND	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	1.0	n/a	12/2/2015	2ND	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	50	n/a	11/17/2015	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	11/18/2015	1030	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	11/24/2015	2490	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	12/2/2015	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	11/17/2015	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	2.5	n/a	11/18/2015	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	11/24/2015	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	2.5	n/a	12/2/2015	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	11/17/2015	74300	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	11/18/2015	105000	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Calcium Total (ug/L)	**106-SD**	**140000**	**n/a**	**11/24/2015**	**145000**	**Yes**	**38**	**11.57**	**0.1181**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Calcium Total (ug/L)	111-SD	100000	n/a	12/2/2015	88800	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	11/17/2015	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)	104-SD	760	n/a	11/18/2015	294	No	40	n/a	n/a	62.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	106-SD	3400	n/a	11/24/2015	519	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	12/2/2015	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	11/17/2015	1.9	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chloride (mg/L)	104-SD	590	n/a	11/18/2015	253	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Chloride (mg/L)	106-SD	1000	n/a	11/24/2015	582	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	12/2/2015	11.9	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	11/17/2015	5ND	No	40	n/a	n/a	90	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	111-SD	22	n/a	12/2/2015	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	10	n/a	11/17/2015	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	11/18/2015	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	11/24/2015	6.3	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	10	n/a	12/2/2015	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	10	n/a	11/17/2015	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	11/18/2015	5ND	No	40	n/a	n/a	95	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

Prediction Limit

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Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper Total (ug/L)	106-SD	47	n/a	11/24/2015	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	12/2/2015	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	2.3	n/a	11/17/2015	2.1	No	38	4.129	0.5703	0	None	x^2	0.0001937	Param Intra 1 of 2
Fluoride (mg/L)	104-SD	1.2	n/a	11/18/2015	0.95	No	35	-0.1392	0.1426	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Fluoride (mg/L)	106-SD	1.4	n/a	11/24/2015	0.9	No	35	1.501	0.5812	0	None	x^3	0.0001937	Param Intra 1 of 2
Fluoride (mg/L)	111-SD	2.4	n/a	12/2/2015	2.1	No	37	4.126	0.5945	0	None	x^2	0.0001937	Param Intra 1 of 2
Hardness Total (mg/L)	100-SD	380	n/a	11/17/2015	328	No	39	5.824	0.04847	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Hardness Total (mg/L)	104-SD	580	n/a	11/18/2015	534	No	39	1.2e8	2.9e7	0	None	x^3	0.0001937	Param Intra 1 of 2
Hardness Total (mg/L)	**106-SD**	**590**	**n/a**	**11/24/2015**	**848**	**Yes**	**35**	**6.15**	**0.09469**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Hardness Total (mg/L)	111-SD	500	n/a	12/2/2015	433	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	11/17/2015	545	No	39	1623	514.4	0	None	No	0.0001937	Param Intra 1 of 2
Iron Total (ug/L)	104-SD	31000	n/a	11/18/2015	12800	No	40	7.096	1.332	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Iron Total (ug/L)	106-SD	11000	n/a	11/24/2015	3450	No	40	12.37	4.148	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Iron Total (ug/L)	111-SD	8200	n/a	12/2/2015	25ND	No	40	6.026	1.228	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Lead Total (ug/L)	100-SD	2.5	n/a	11/17/2015	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	25	n/a	11/18/2015	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	11/24/2015	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	25	n/a	12/2/2015	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	11/17/2015	34700	No	40	10.48	0.04911	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Magnesium Total (ug/L)	104-SD	66000	n/a	11/18/2015	65900	No	39	228.1	12.08	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Magnesium Total (ug/L)	**106-SD**	**63000**	**n/a**	**11/24/2015**	**118000**	**Yes**	**36**	**10.82**	**0.09234**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Magnesium Total (ug/L)	111-SD	60000	n/a	12/2/2015	51300	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	11/17/2015	26.9	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	11/18/2015	139	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	11/24/2015	30.7	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	12/2/2015	2.5ND	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	0.10	n/a	11/17/2015	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	0.10	n/a	11/18/2015	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	0.10	n/a	11/24/2015	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	0.10	n/a	12/2/2015	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	20	n/a	11/17/2015	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**	**11/18/2015**	**64**	**Yes**	**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	11/24/2015	45.7	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	20	n/a	12/2/2015	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	0.050	n/a	11/17/2015	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	11/18/2015	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	11/24/2015	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	12/2/2015	0.13	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	11/17/2015	7.24	No	39	1.993	0.04354	0	None	ln(x)	0.00009683	Param Intra 1 of 2
pH [Field] (su)	104-SD	8.3	6.2	11/18/2015	6.92	No	40	1.97	0.05879	0	None	ln(x)	0.00009683	Param Intra 1 of 2
pH [Field] (su)	106-SD	7.9	6.4	11/24/2015	6.7	No	40	1.961	0.04615	0	None	ln(x)	0.00009683	Param Intra 1 of 2
pH [Field] (su)	111-SD	8.1	6.4	12/2/2015	7.29	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	11/17/2015	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	11/18/2015	0.13	No	40	-3.189	0.7998	47.5	Kaplan-...	ln(x)	0.0001937	Param Intra 1 of 2
Phosphorus Total (mg/L)	106-SD	0.23	n/a	11/24/2015	0.15	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	12/2/2015	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	2.5	n/a	11/17/2015	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	50	n/a	11/18/2015	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	11/24/2015	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	50	n/a	12/2/2015	5ND	No	40	n/a	n/a	100	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

Prediction Limit

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Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Silver Total (ug/L)	100-SD	2.5	n/a	11/17/2015	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	12	n/a	11/18/2015	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	12	n/a	11/24/2015	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	12/2/2015	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	11/17/2015	8260	No	40	20.08	1.372	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Sodium Total (ug/L)	104-SD	320000	n/a	11/18/2015	162000	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Sodium Total (ug/L)	106-SD	560000	n/a	11/24/2015	462000	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	12/2/2015	19200	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	11/17/2015	635	No	39	2.5e8	4.1e7	0	None	x^3	0.0001937	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	**104-SD**	**1800**	**n/a**	**11/18/2015**	**2070**	**Yes**	**39**	**6.975**	**0.2109**	**0**	**None**	**ln(x)**	**0.0001937**	**Param Intra 1 of 2**
Specific Conductance [Field] (umhos/cm)	**106-SD**	**1200**	**n/a**	**11/24/2015**	**3970**	**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	12/2/2015	729	No	39	731124	112677	0	None	x^2	0.0001937	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	100-SD	15	n/a	11/17/2015	8.7	No	40	2.323	0.1561	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	104-SD	100	n/a	11/18/2015	1.2	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	106-SD	160	n/a	11/24/2015	26.8	No	40	87.24	31.12	2.5	None	No	0.0001937	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	111-SD	67	n/a	12/2/2015	45.5	No	39	3.932	0.1116	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Thallium Total (ug/L)	100-SD	2.5	n/a	11/17/2015	5ND	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	50	n/a	11/18/2015	5ND	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	50	n/a	11/24/2015	5ND	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	50	n/a	12/2/2015	5ND	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	11/17/2015	328	No	37	5.819	0.07451	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	104-SD	1800	n/a	11/18/2015	1100	No	40	n/a	n/a	0	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**106-SD**	**700**	**n/a**	**11/24/2015**	**2210**	**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	12/2/2015	449	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	11/17/2015	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)	104-SD	490	n/a	11/18/2015	98.7	No	40	n/a	n/a	50	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Total Organic Carbon [TOC] (mg/L)	106-SD	370	n/a	11/24/2015	173	No	40	n/a	n/a	35	n/a	n/a	0.001152	NP Intra (normality) 1 of 2
Total Organic Carbon [TOC] (mg/L)	111-SD	30	n/a	12/2/2015	0.5ND	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	5.0	n/a	11/17/2015	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	11/18/2015	16.8	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	11/24/2015	10.4	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	12/2/2015	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	11/17/2015	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	11/18/2015	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	11/24/2015	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	12/2/2015	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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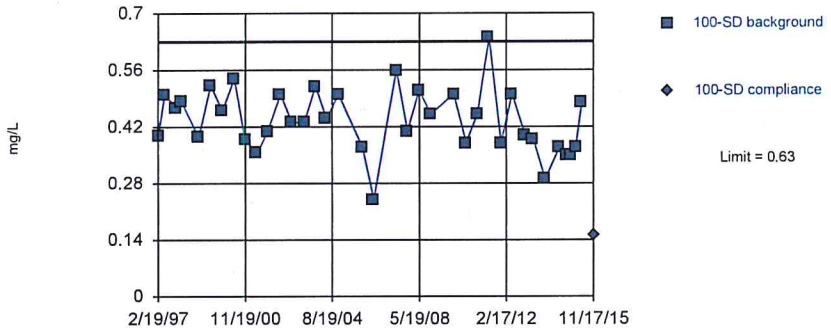
Within Limit

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 1/7/2016 11:40 AM

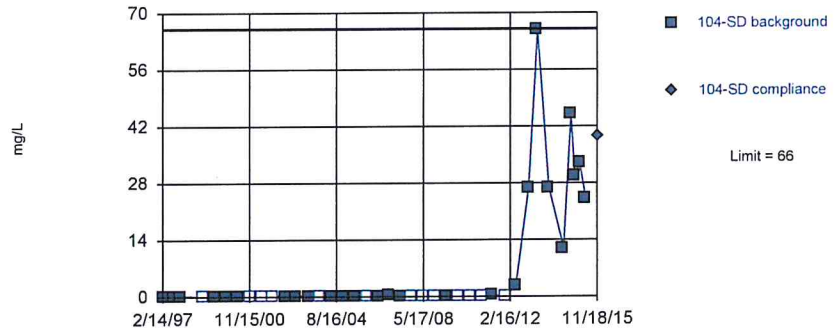
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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: Ammonia as N Analysis Run 1/7/2016 11:40 AM

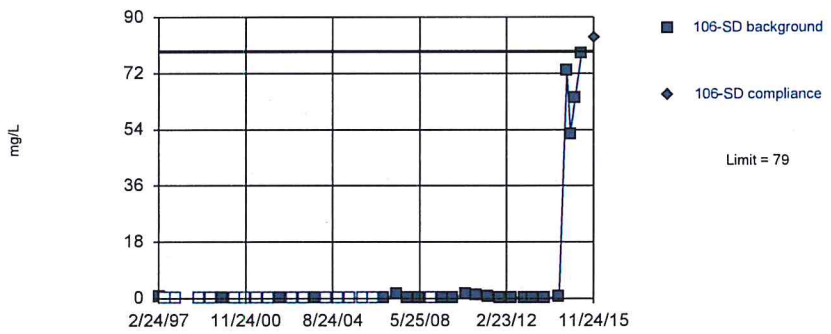
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 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 1/7/2016 11:40 AM

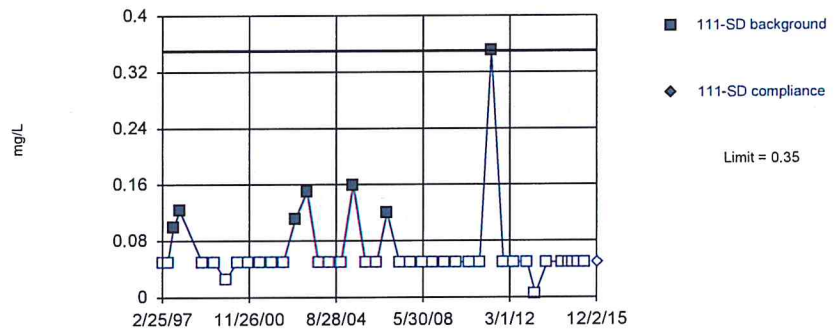
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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: Ammonia as N Analysis Run 1/7/2016 11:40 AM

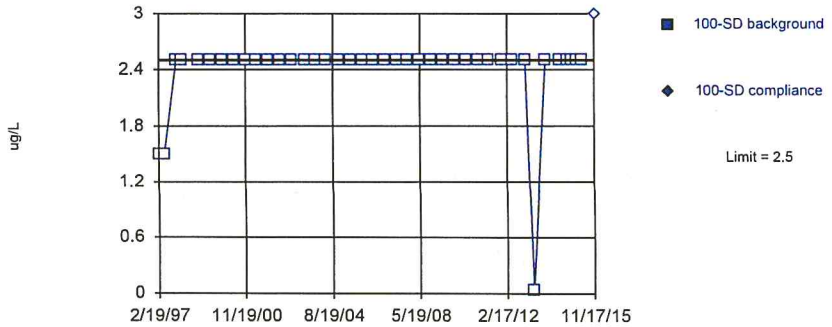
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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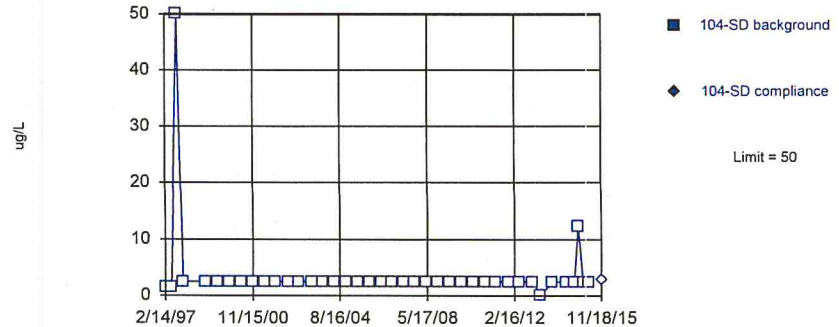
Hollow symbols indicate censored values.

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. 100% 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 1/7/2016 11:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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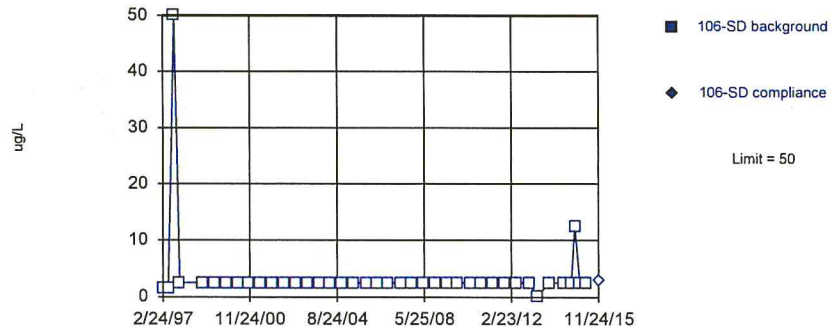
Hollow symbols indicate censored values.

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. 100% 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 1/7/2016 11:40 AM

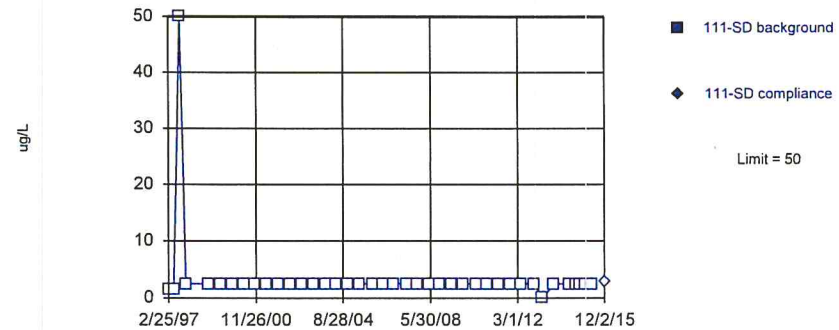
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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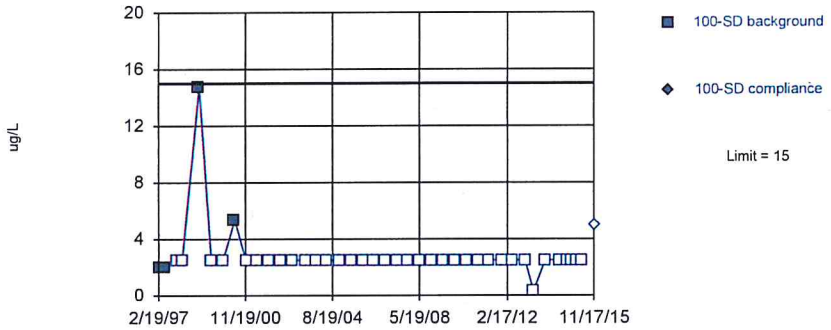
Hollow symbols indicate censor[illegible]
Within Limit

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 1/7/2016 11:40 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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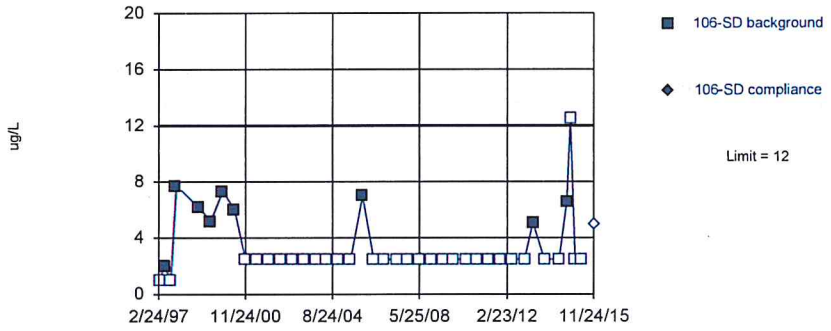
Hollow symbols indicate censored values.
Within Limit

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 1/7/2016 11:40 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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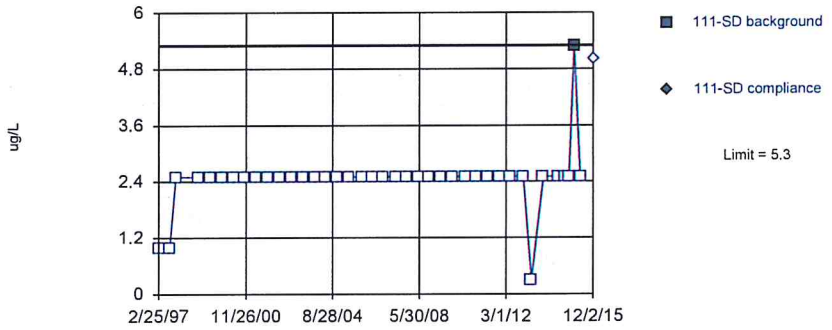
Hollow symbols indicate censored values.
Within Limit

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.

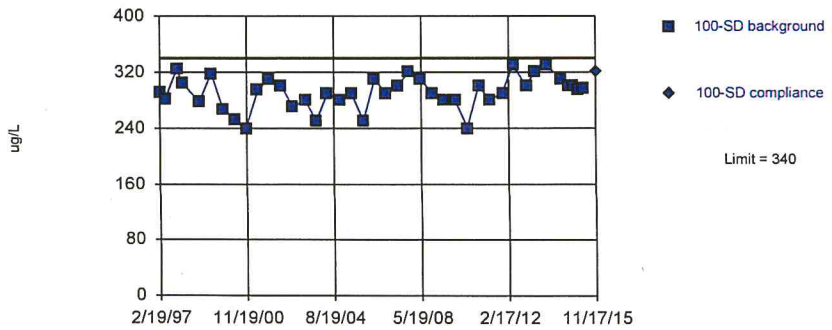
Constituent: Arsenic Total Analysis Run 1/7/2016 11:40 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

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 1/7/2016 11:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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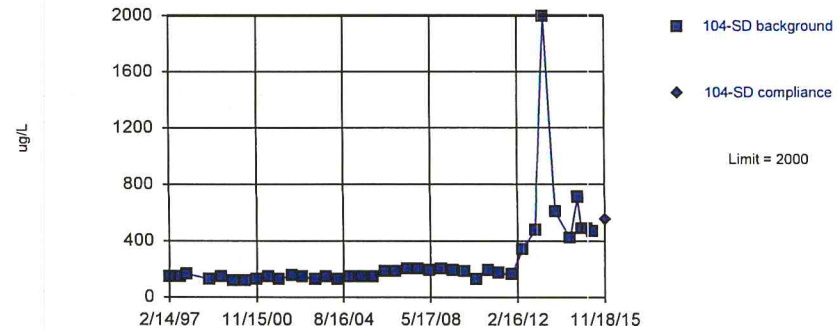
Within Limit

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 1/7/2016 11:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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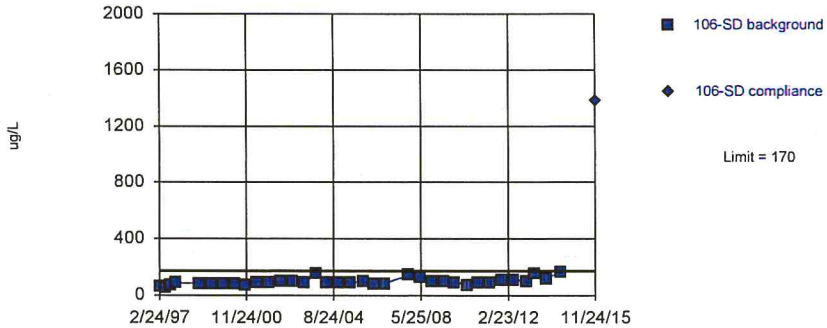
Exceeds Limit

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 1/7/2016 11:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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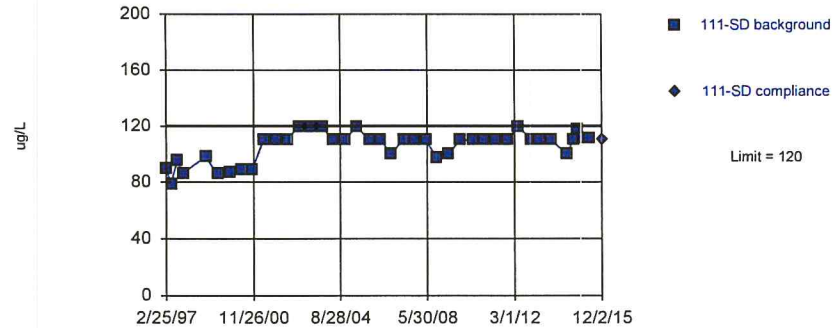
Within Limit

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 1/7/2016 11:40 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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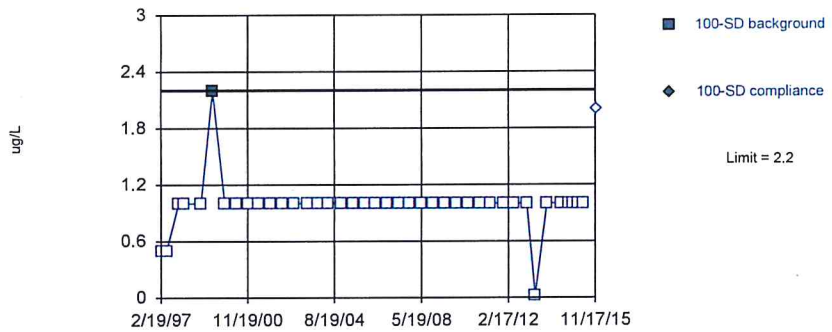
Hollow symbols indicate censored values.
Within Limit

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: Beryllium Total Analysis Run 1/7/2016 11:40 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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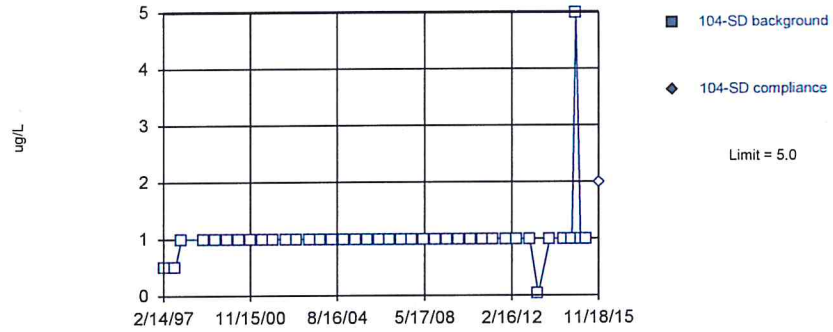
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



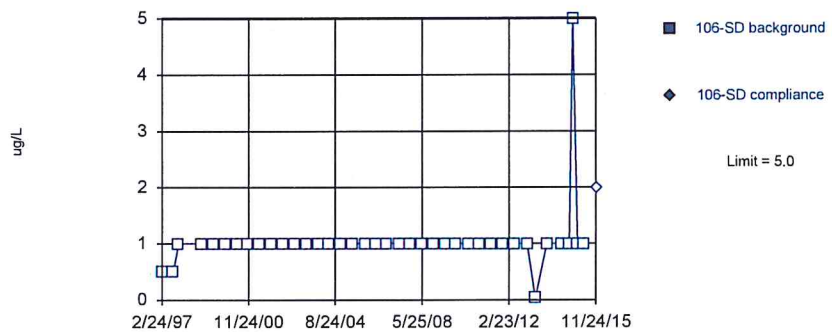
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 100% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Beryllium Total Analysis Run 1/7/2016 11:40 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



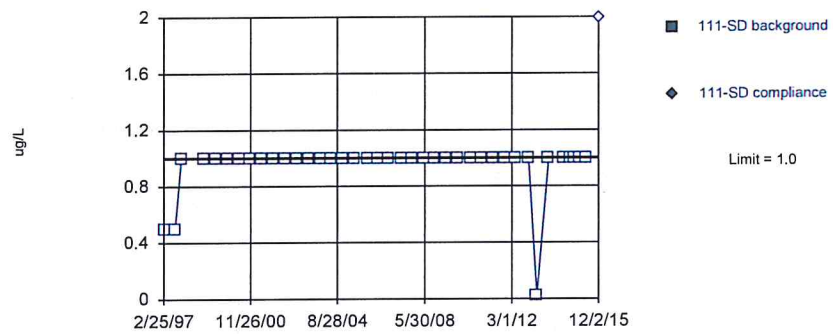
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 100% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Beryllium Total Analysis Run 1/7/2016 11:40 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

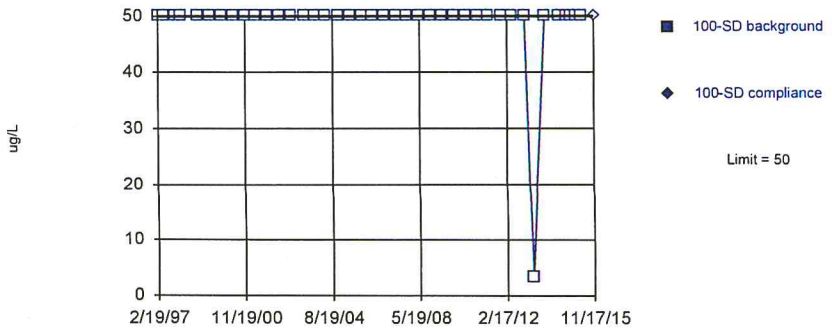
Constituent: Beryllium Total Analysis Run 1/7/2016 11:40 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:40 AM

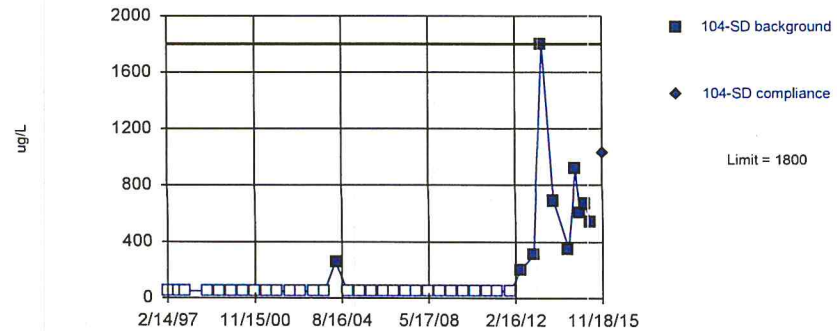
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:40 AM

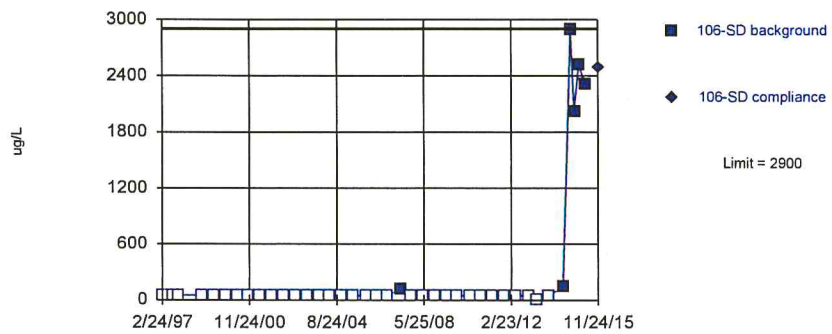
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

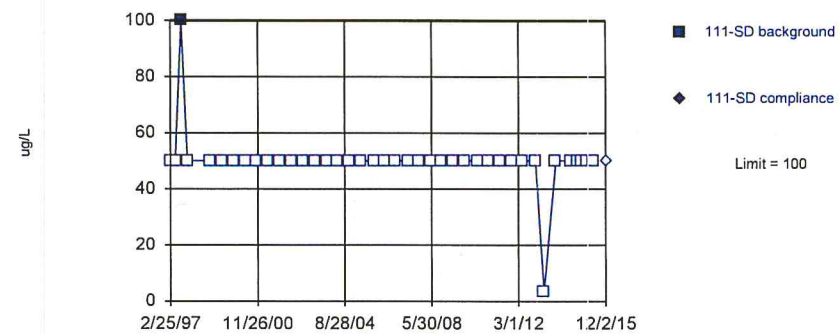
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

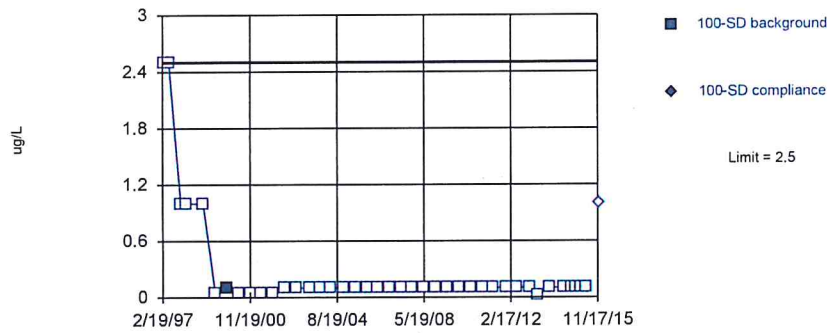
Constituent: Boron Total Analysis Run 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Software licensed to [illegible]ironmental Consulting. UG
Hollow symbols indicate censor[illegible]
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 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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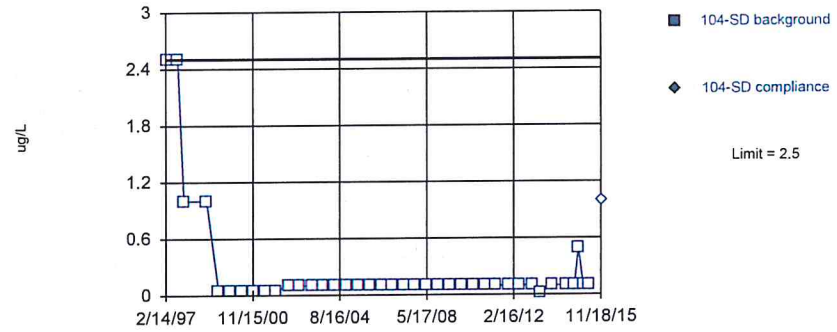
[illegible] symbols indicate censored values.
[illegible]in Limit

Prediction Limit

Intrawell Non-parametric



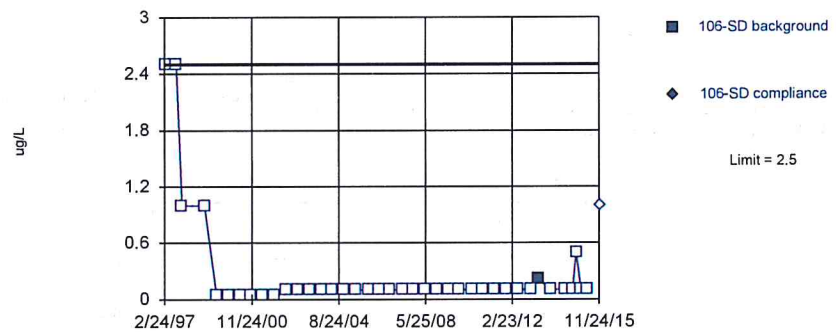
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 100% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cadmium Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



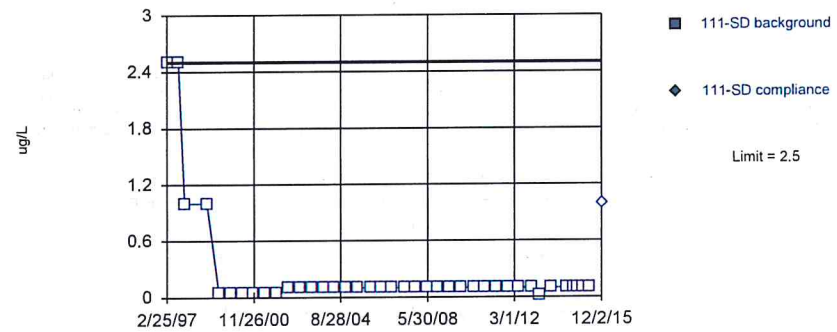
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 97.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so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

Constituent: Cadmium Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

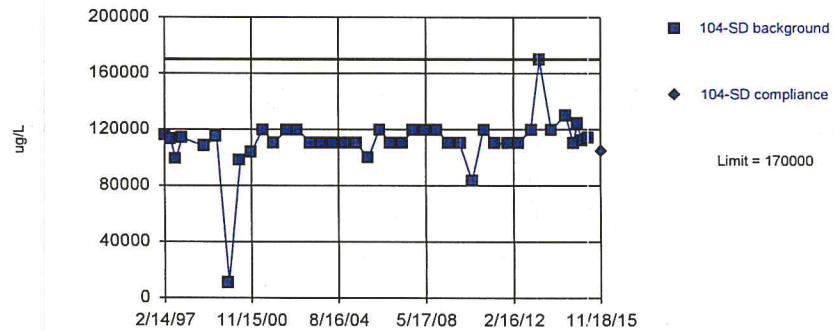
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

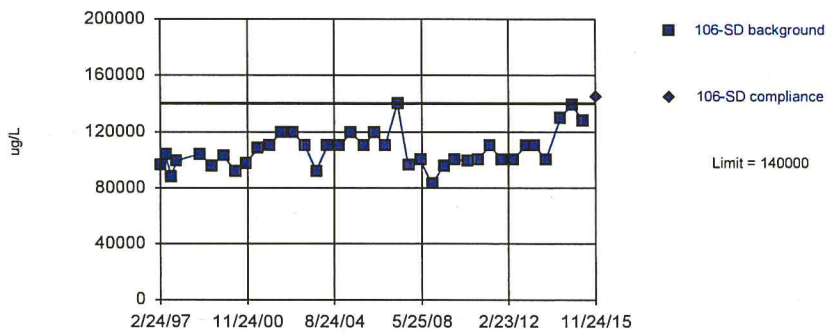
Bridgeton LF Client: RSI Data: BRIDGETON

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

Exceeds 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 1/7/2016 11:41 AM

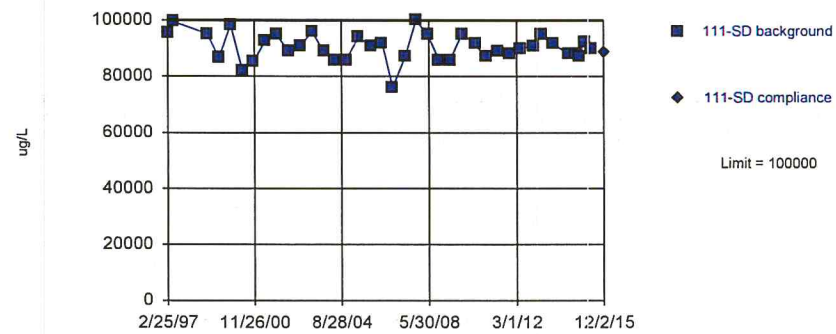
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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).

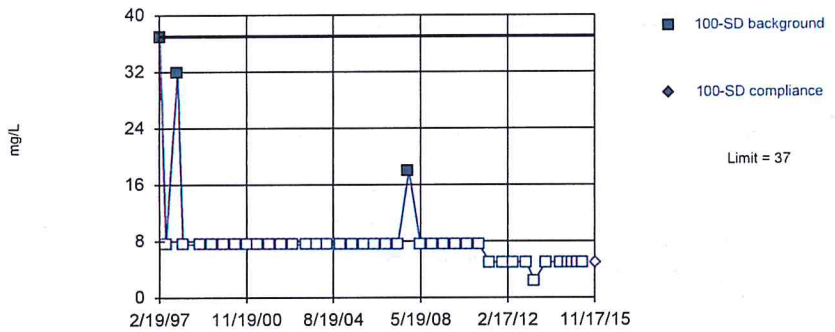
Constituent: Calcium Total Analysis Run 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



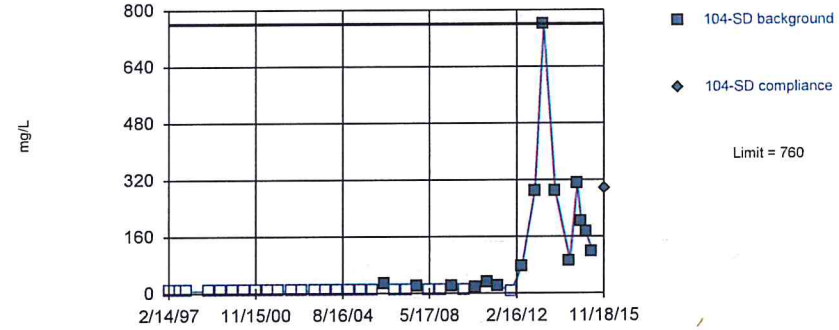
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 92.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so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

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



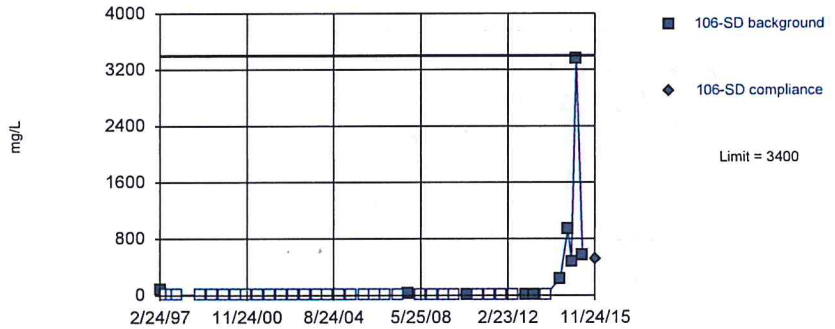
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so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

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



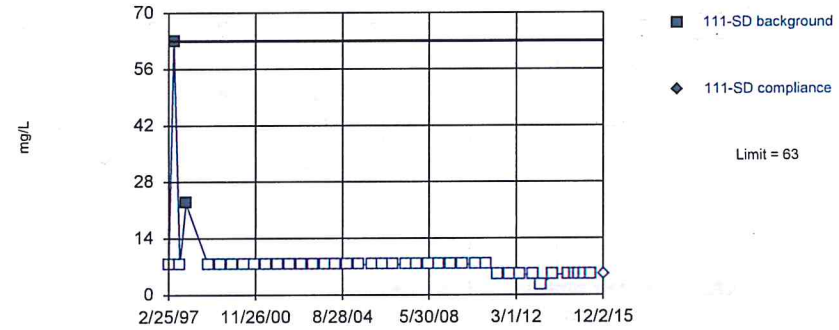
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 75% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

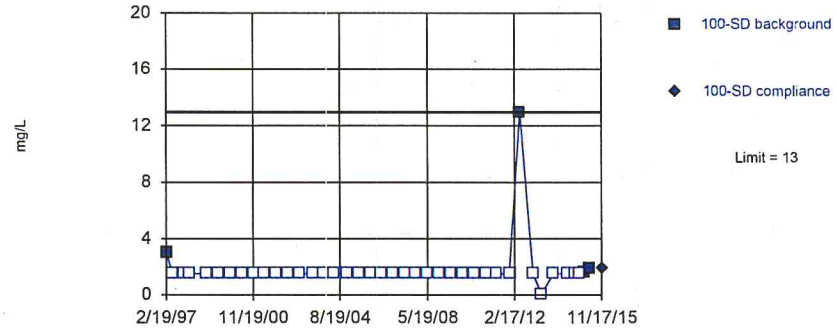
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 Softw ed to Jett Environmental Consulting UG
Hollow symbols indi ored 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.

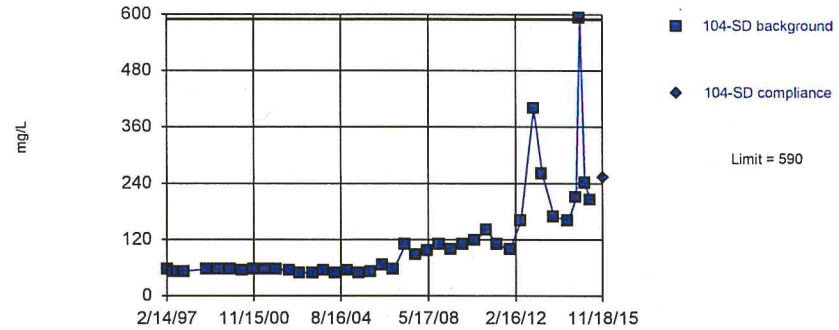
Constituent: Chloride Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

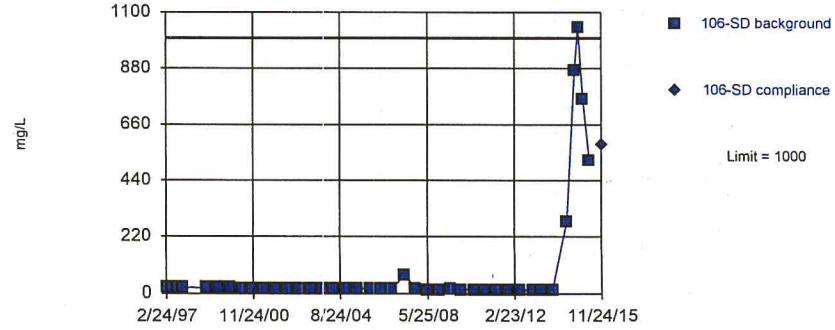
Constituent: Chloride Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

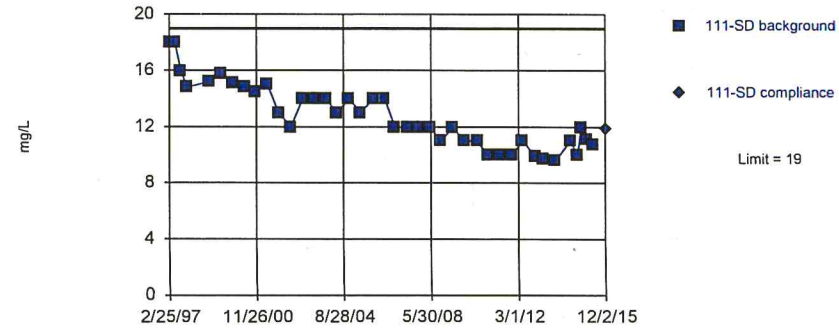
Constituent: Chloride Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

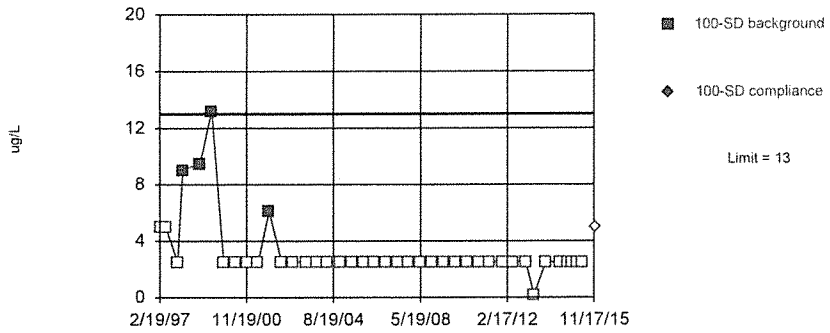
Constituent: Chloride Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

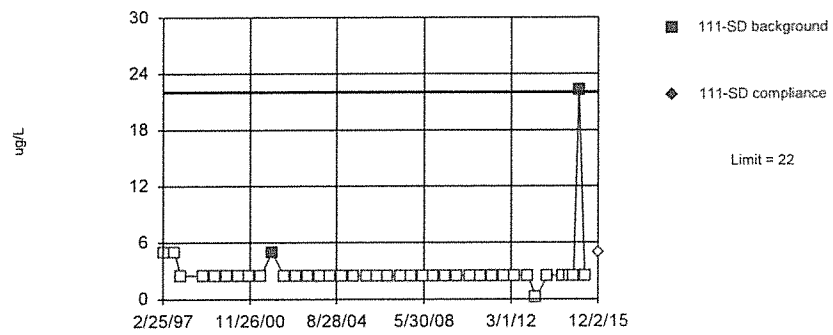
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

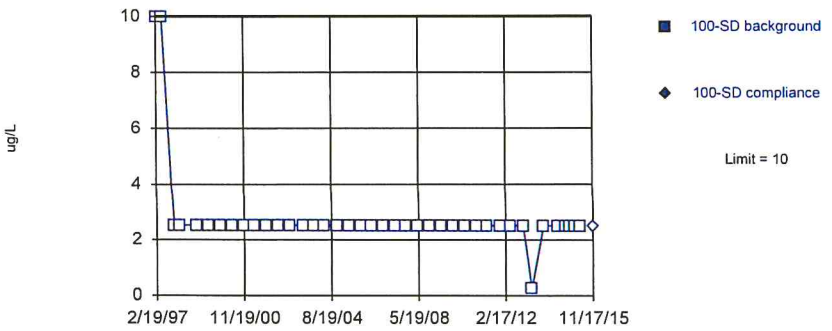
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

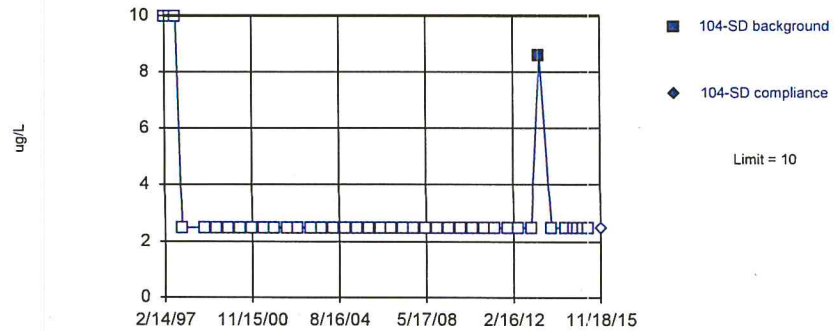
Constituent: Cobalt Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

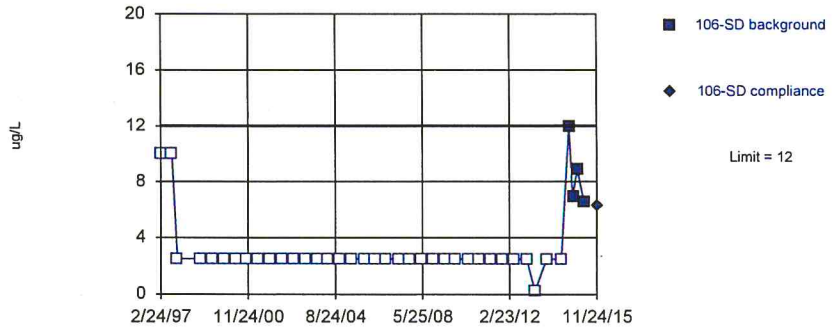
Constituent: Cobalt Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

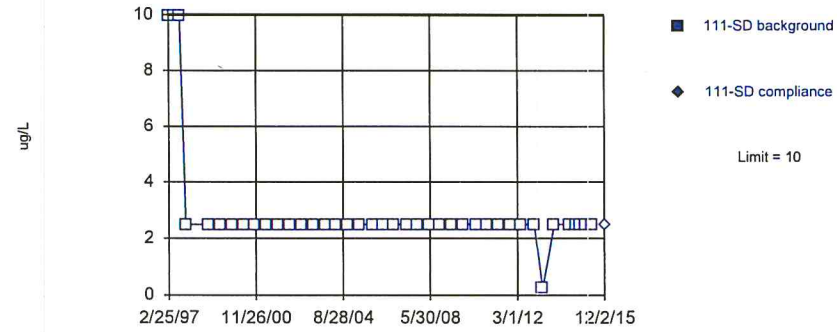
Constituent: Cobalt Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Non-parametric



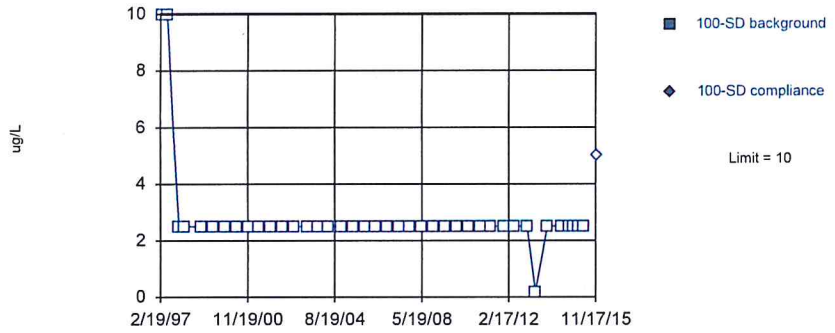
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 100% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cobalt Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



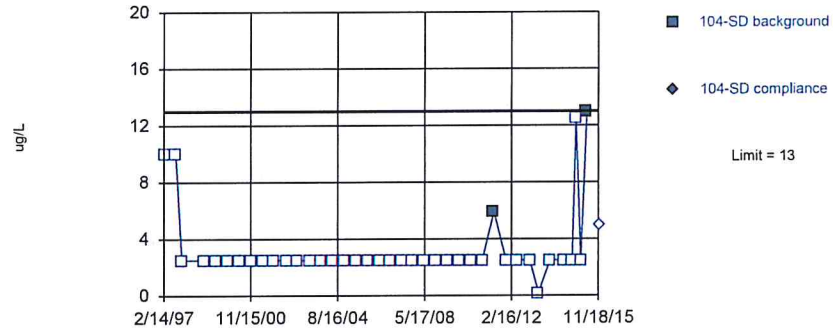
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 100% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Copper Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



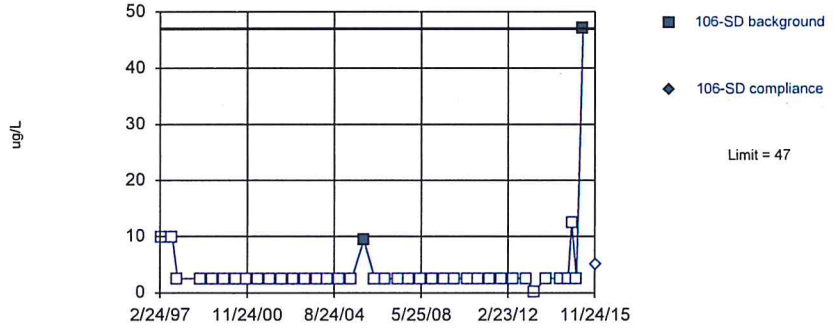
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so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

Constituent: Copper Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



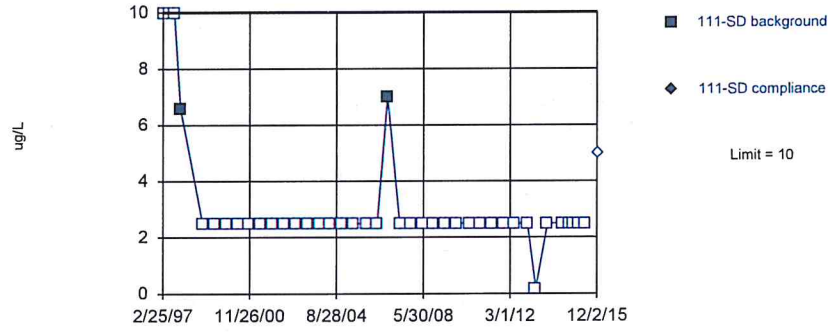
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 95% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so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

Constituent: Copper Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

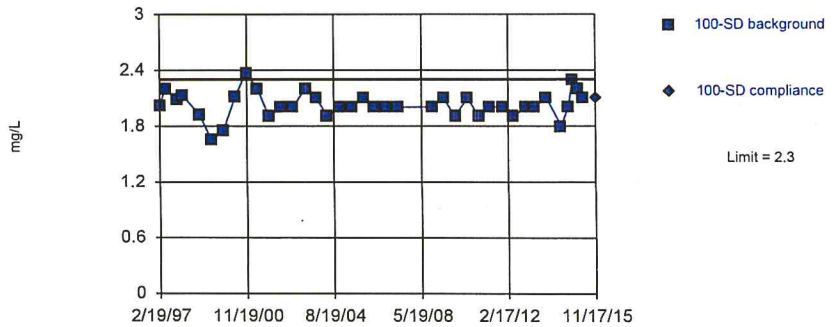
Constituent: Copper Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=4.129, Std. Dev.=0.5703, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9558, 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. No background outliers were found.

Constituent: Fluoride Analysis Run 1/7/2016 11:41 AM

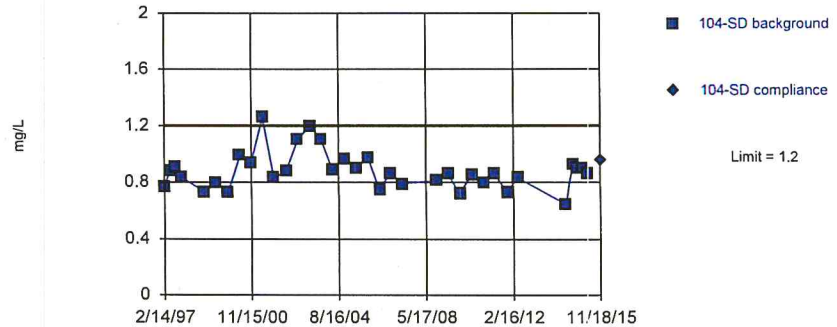
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.1392, Std. Dev.=0.1426, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9587, 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. Three background outliers were removed: <0.1 (11/27/2012); 0.21 (4/11/2013); <0.1 (10/7/2013).

Constituent: Fluoride Analysis Run 1/7/2016 11:41 AM

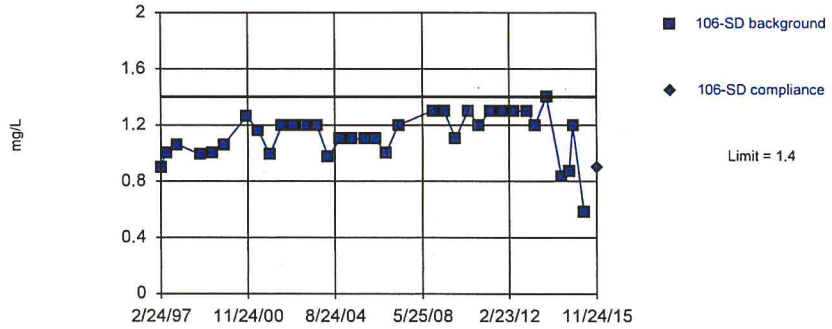
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1.501, Std. Dev.=0.5812, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9638, 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. Three background outliers were removed: <0.25 (8/28/1997); 2.24 (5/23/2000); 0.18 (2/4/2015).

Constituent: Fluoride Analysis Run 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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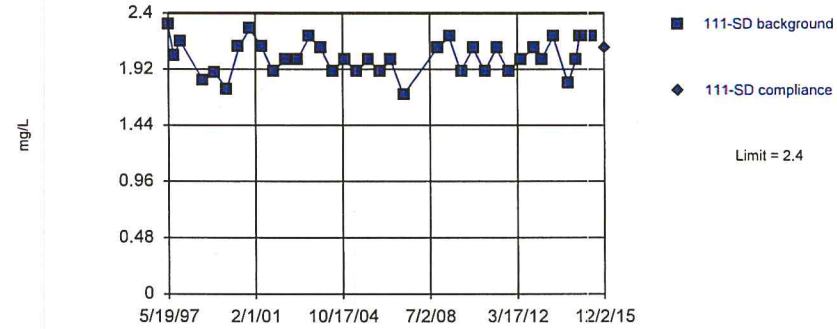
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=4.126, Std. Dev.=0.5945, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9589, 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: 1.2 (2/25/1997).

Constituent: Fluoride Analysis Run 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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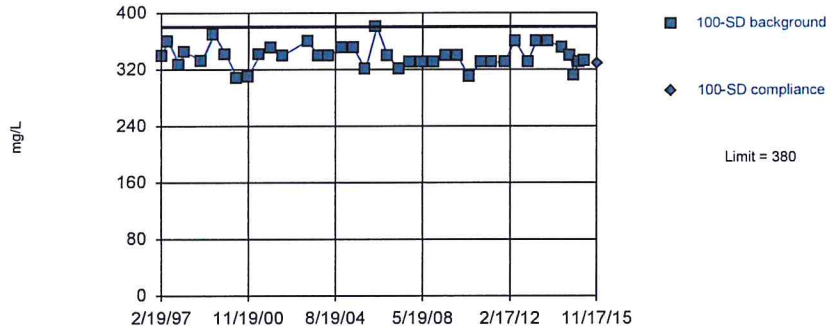
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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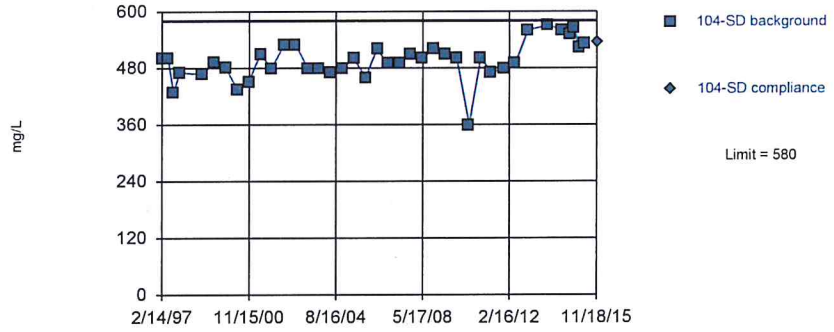
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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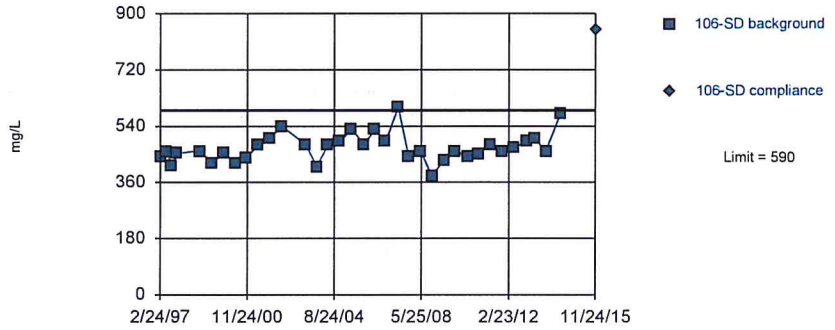
Exceeds Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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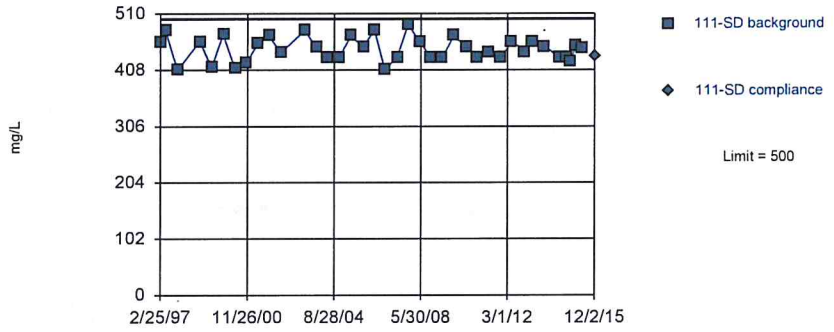
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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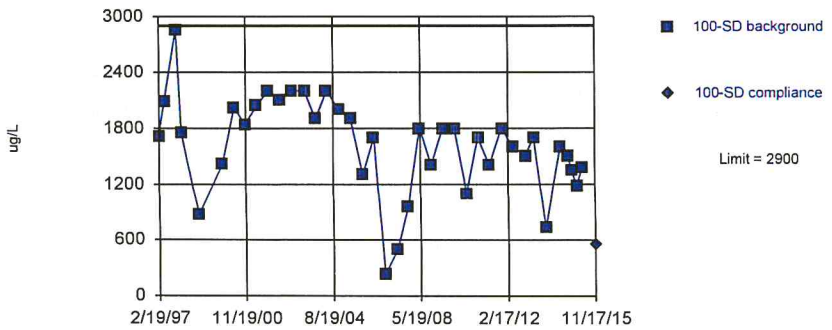
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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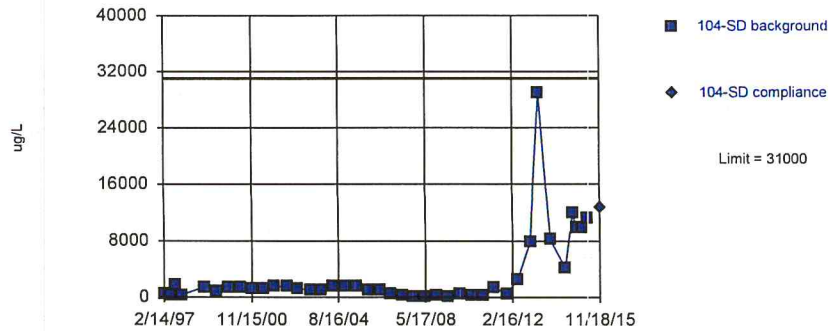
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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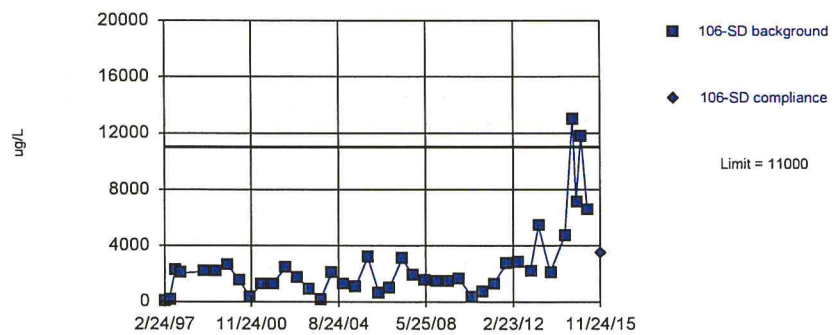
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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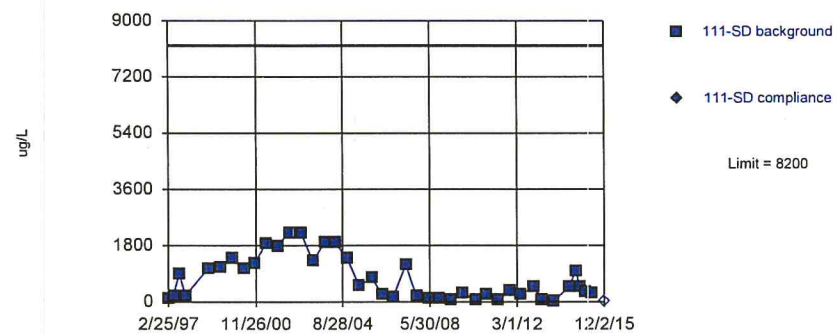
Hollow symbols indicate censored values.

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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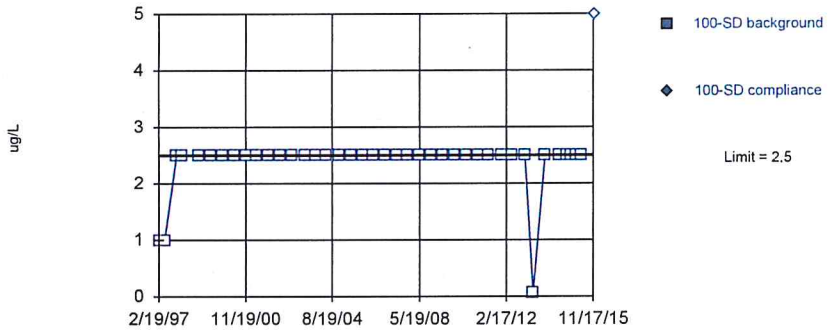
Hollow symbols indicate censored values.

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. 100% 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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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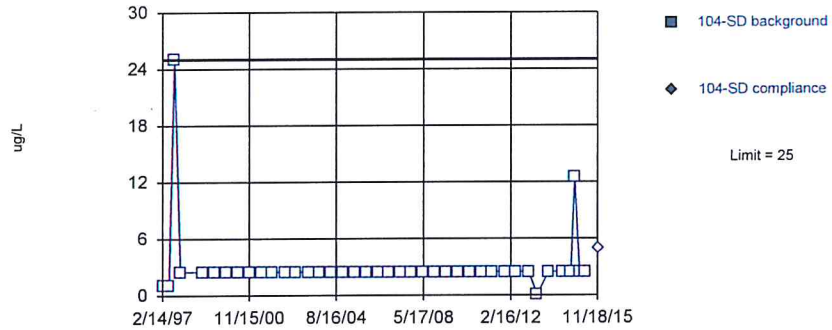
Hollow symbols indicate censored values.

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. 100% 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 1/7/2016 11:41 AM

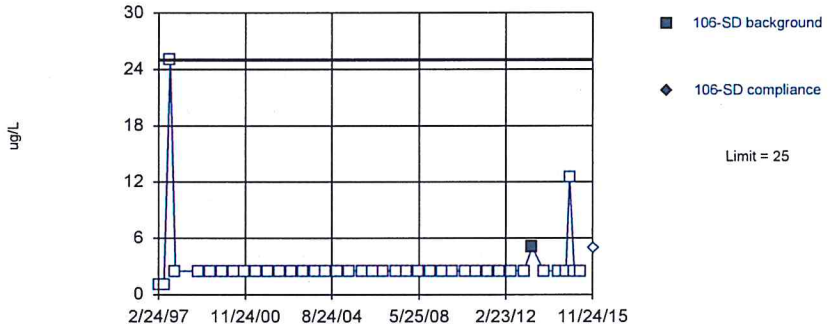
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

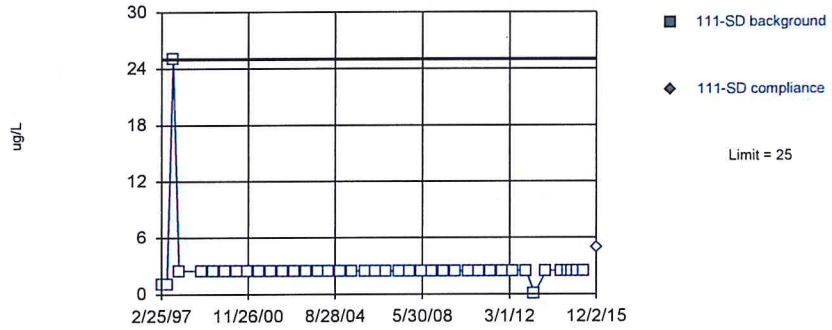
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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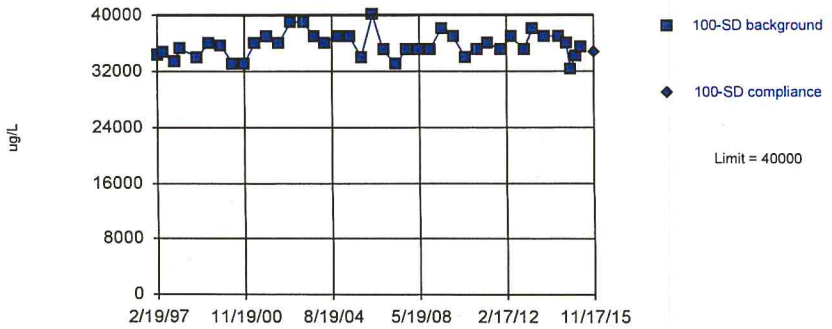
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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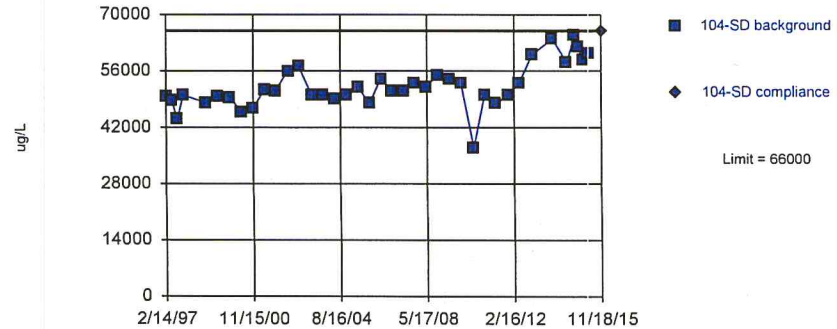
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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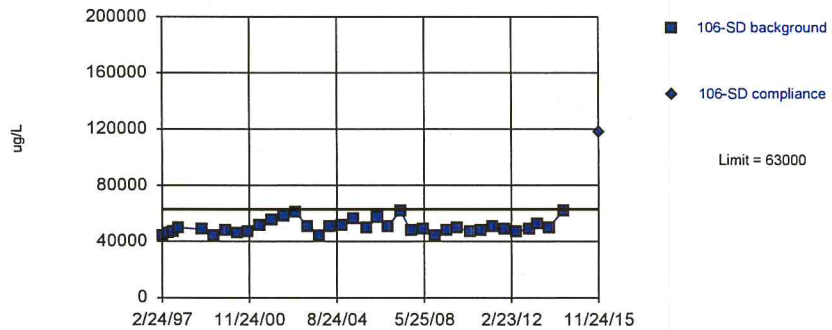
Exceeds Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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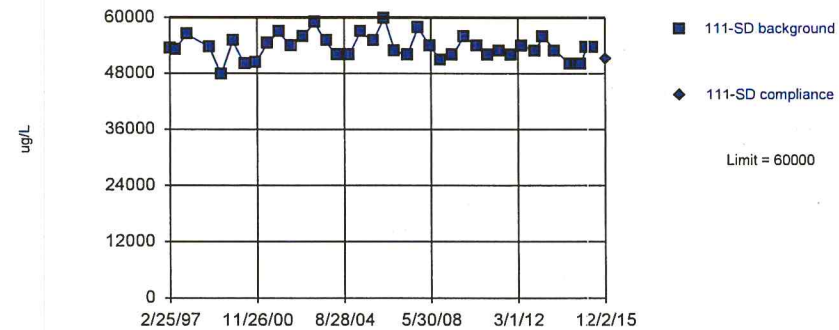
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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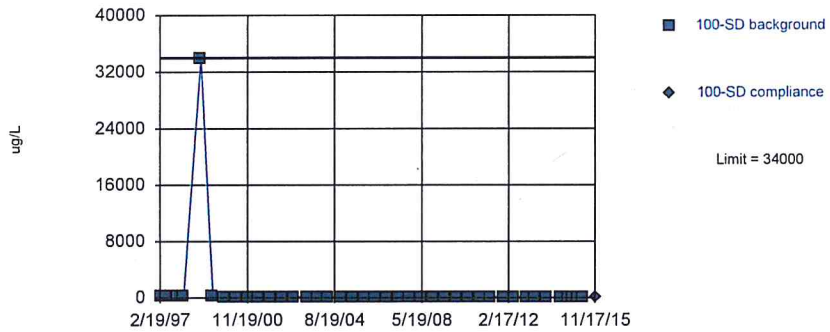
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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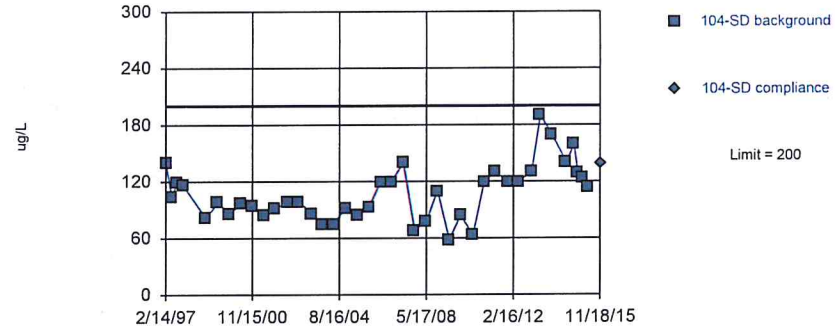
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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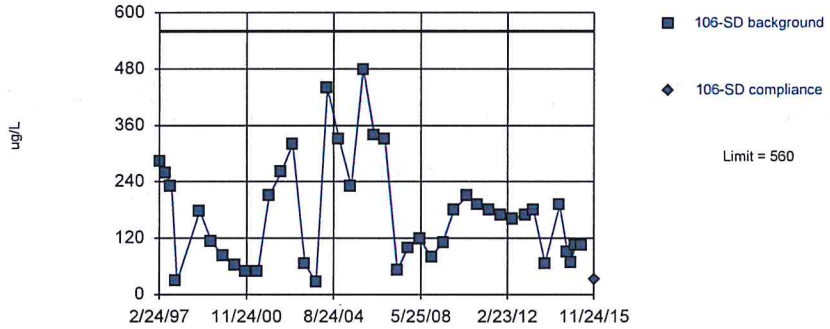
Within Limit

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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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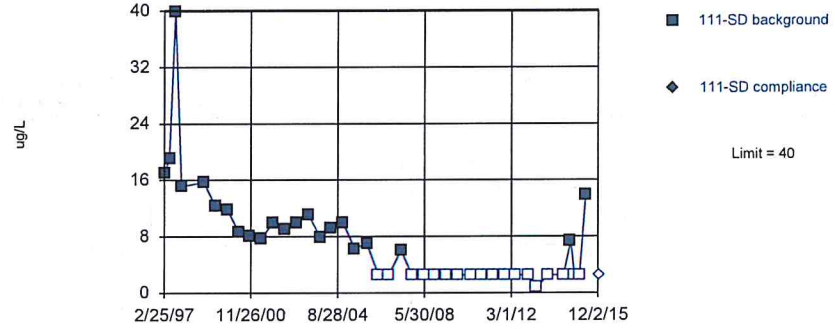
Hollow symbols indicate censored values.

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. 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 1/7/2016 11:41 AM

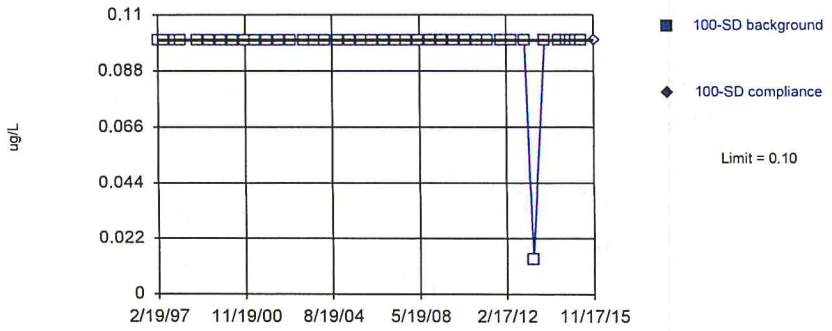
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

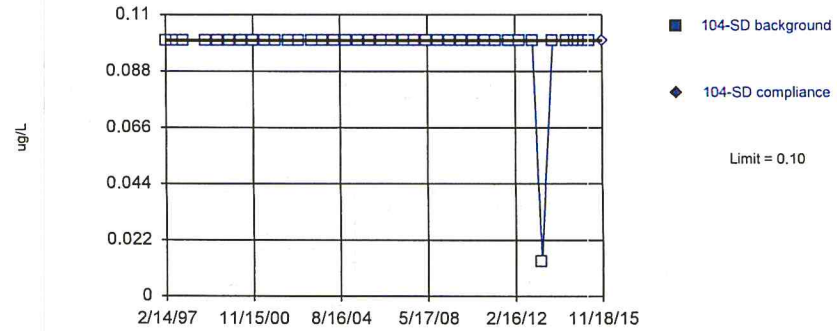
Constituent: Mercury Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

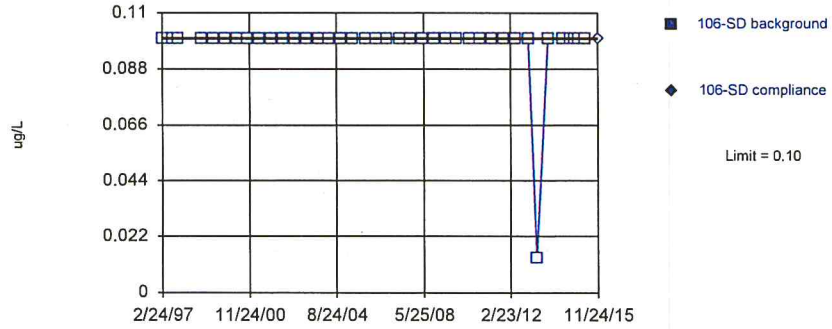
Constituent: Mercury Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

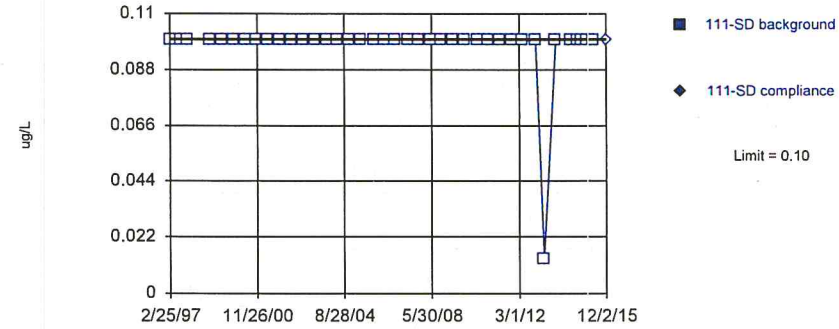
Constituent: Mercury Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

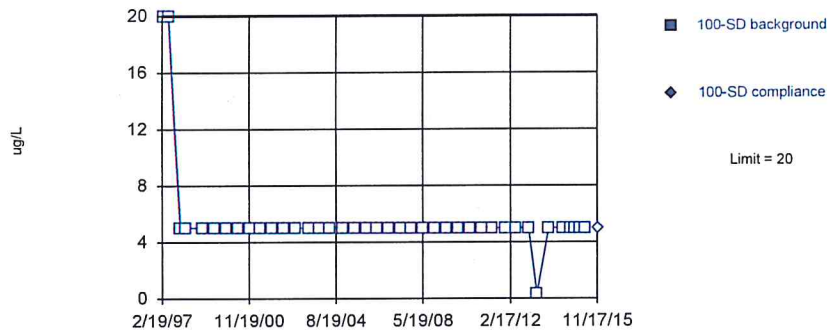
Constituent: Mercury Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

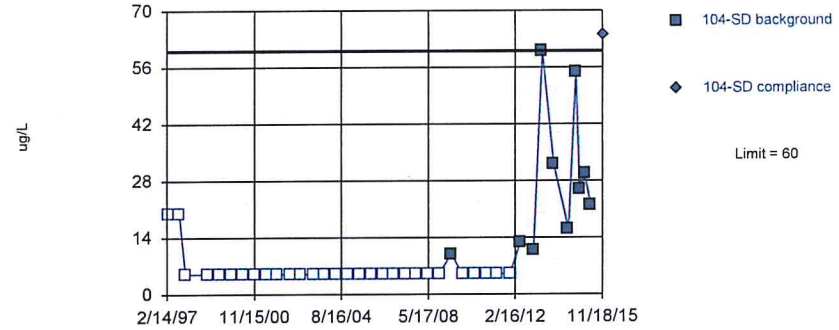
Constituent: Nickel Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 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.

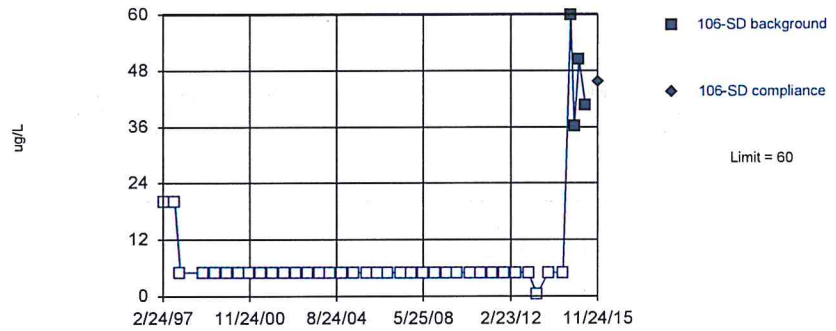
Constituent: Nickel Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

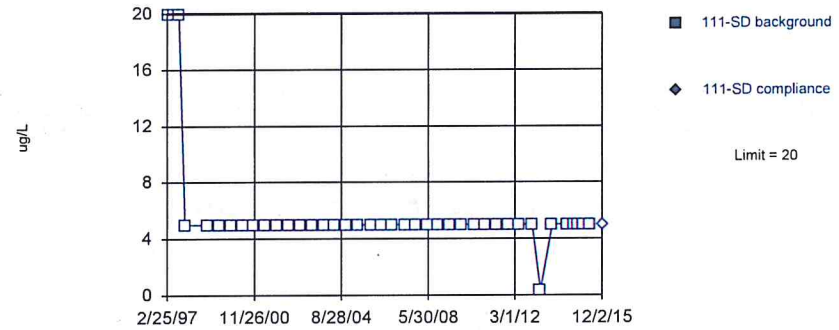
Constituent: Nickel Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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.

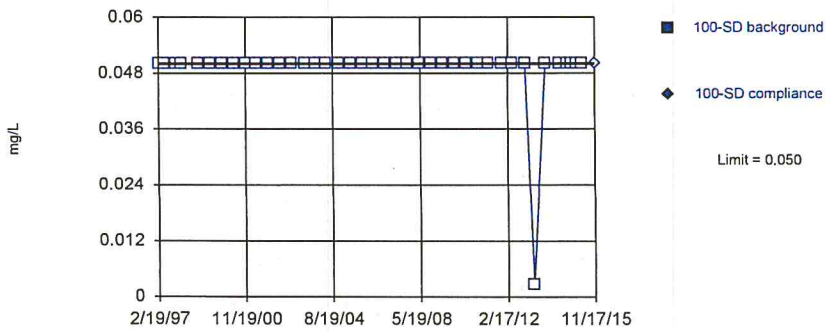
Constituent: Nickel Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:41 AM

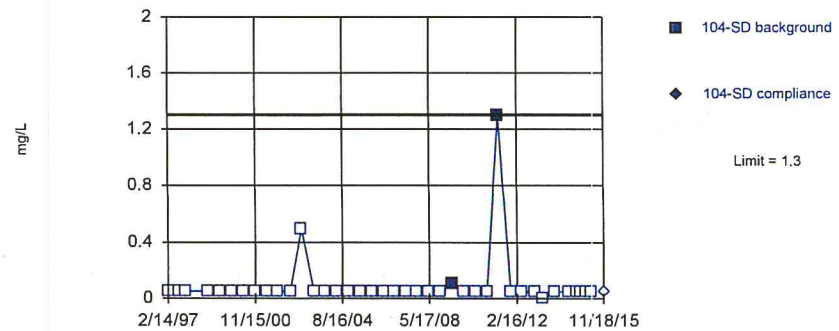
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

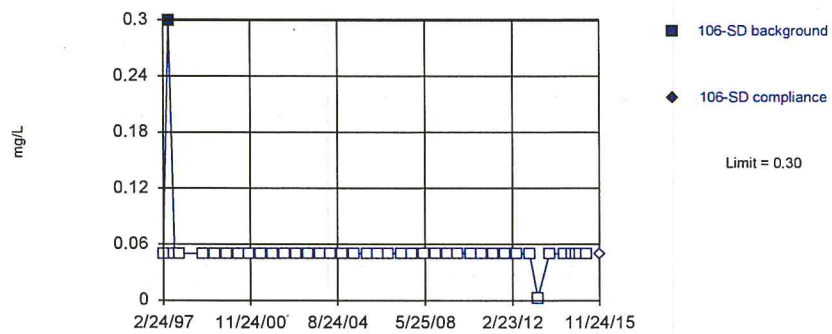
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

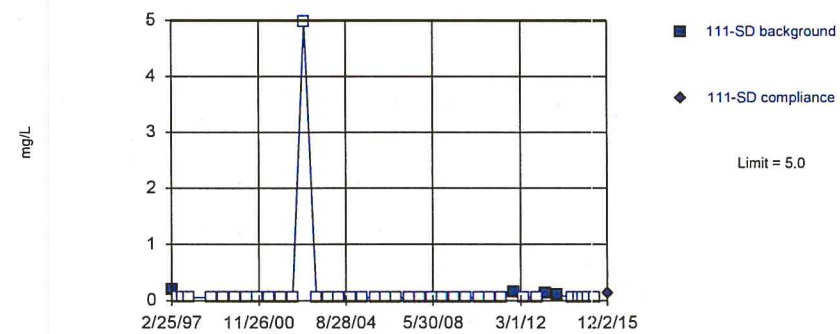
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

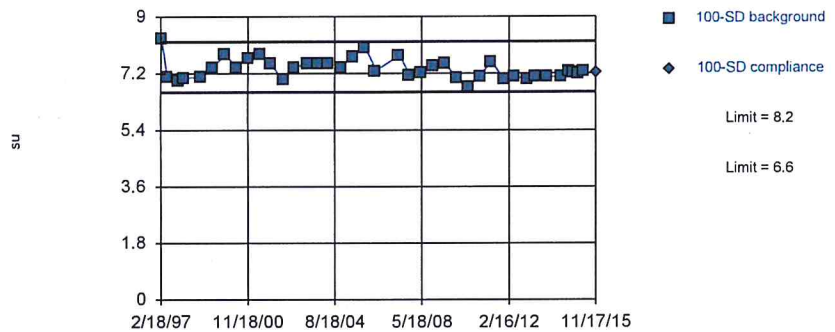
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v 9 5 20 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 1/7/2016 11:41 AM

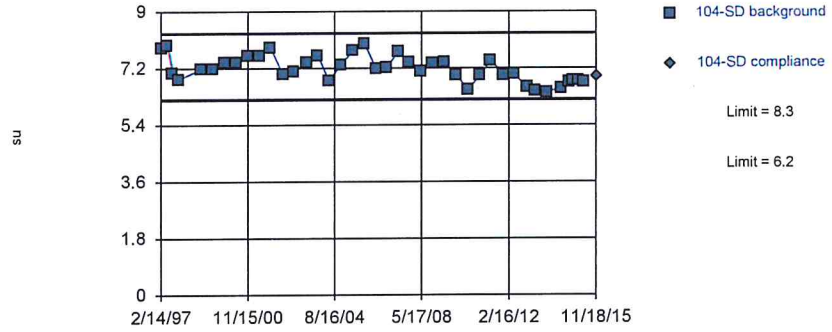
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

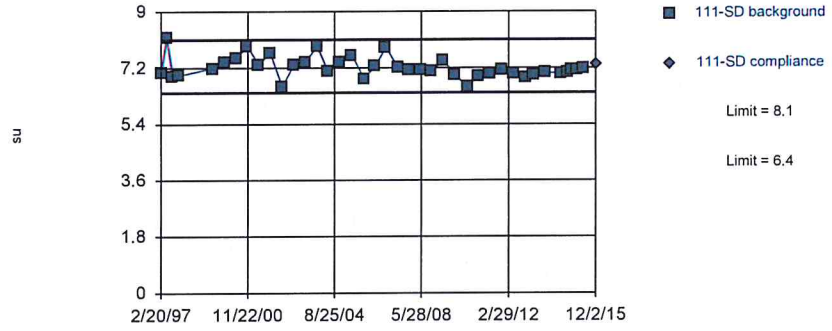
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

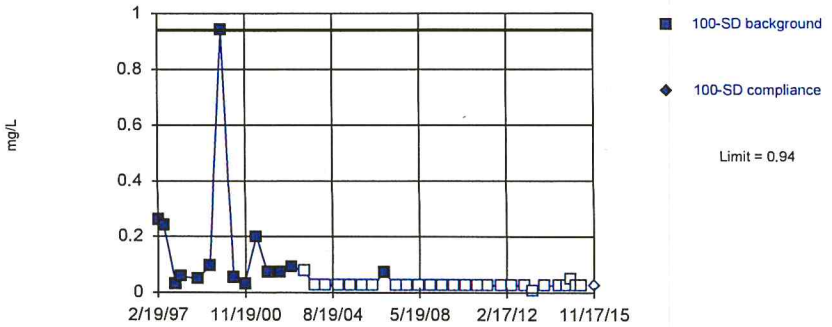
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

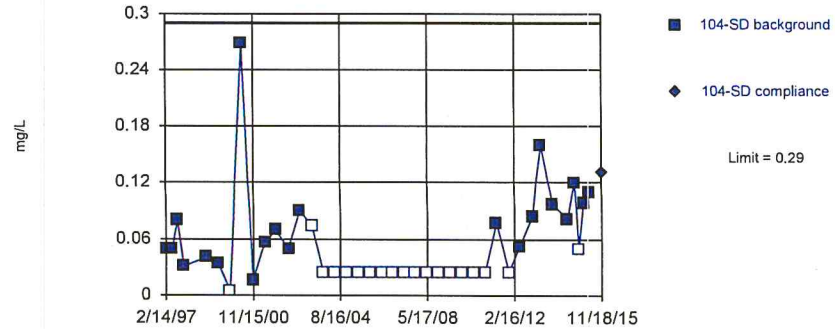
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

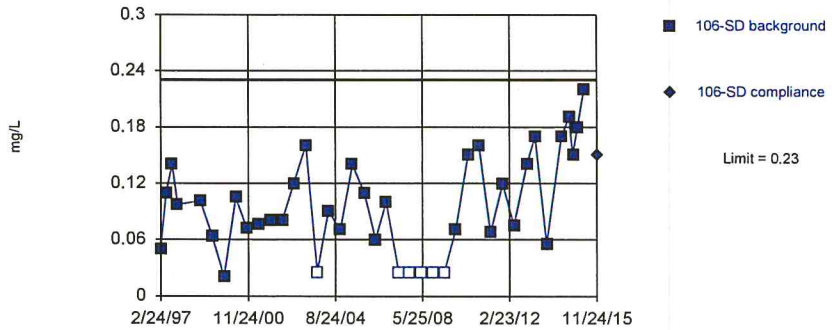
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

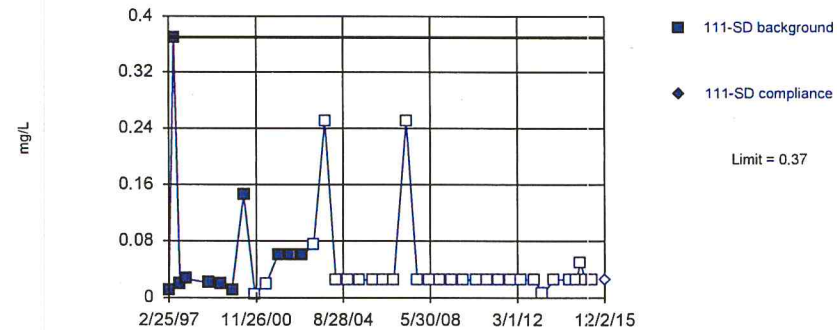
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

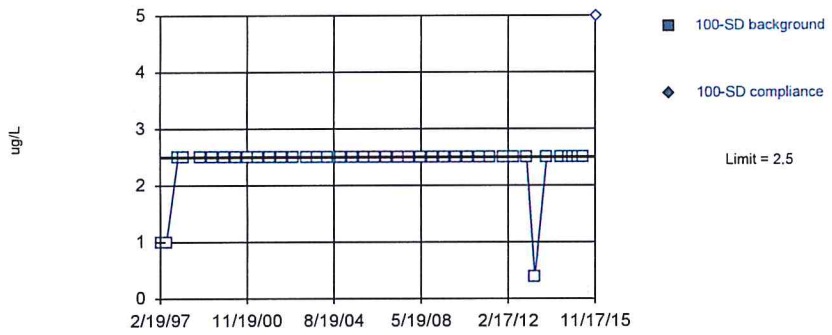
Constituent: Phosphorus Total Analysis Run 1/7/2016 11:41 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:41 AM

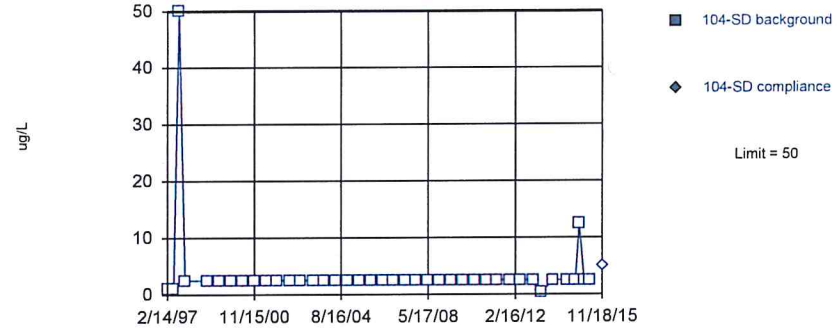
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:41 AM

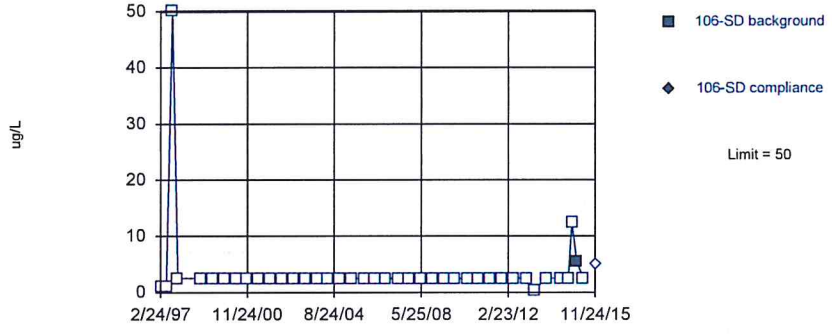
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

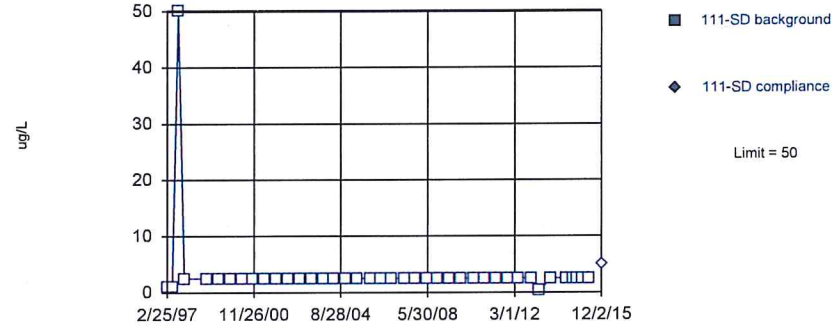
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:41 AM

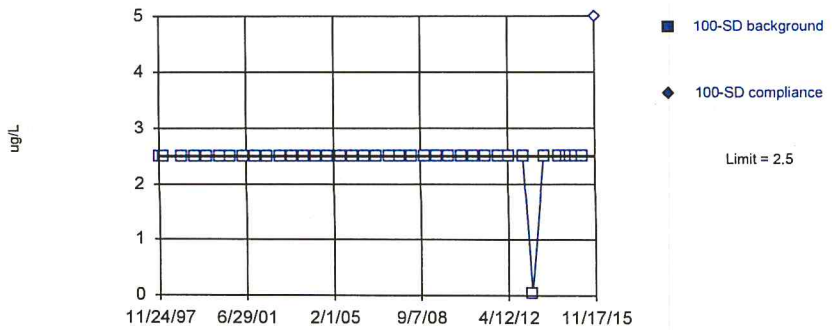
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 38 background values. 100% NDs. 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 1/7/2016 11:41 AM

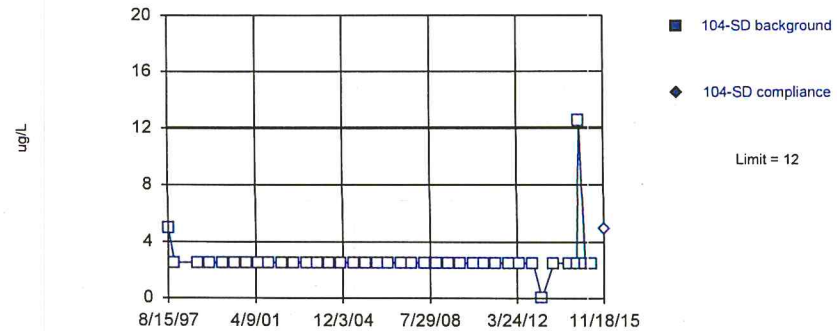
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 38 background values. 100% NDs. 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 1/7/2016 11:41 AM

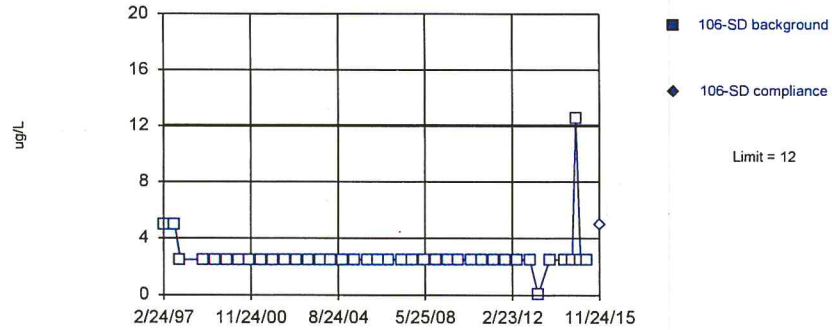
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 39 background values. 100% 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: Silver Total Analysis Run 1/7/2016 11:41 AM

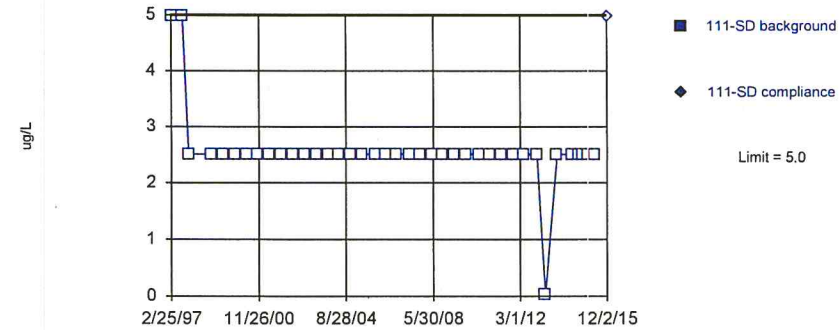
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 39 background values. 100% 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: Silver Total Analysis Run 1/7/2016 11:41 AM

Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

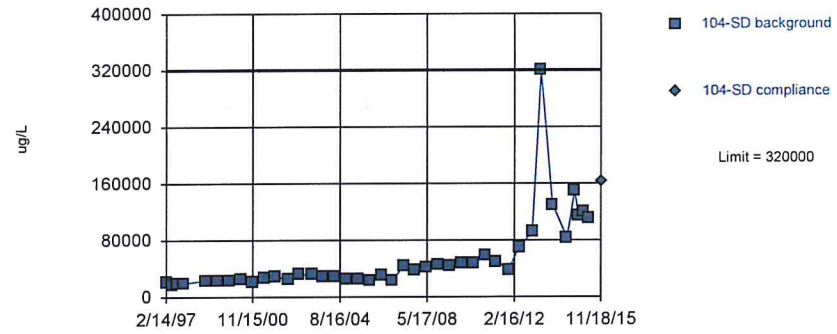
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

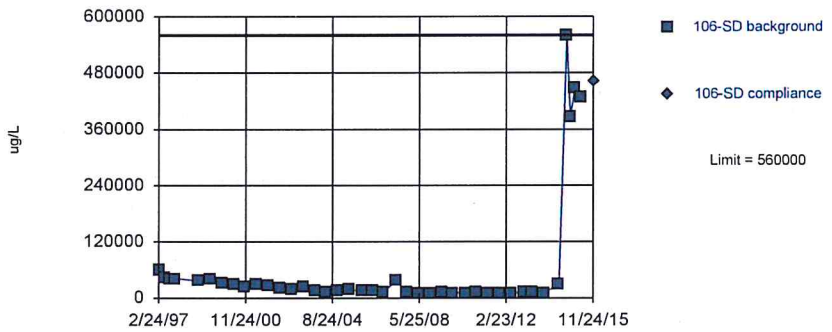
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

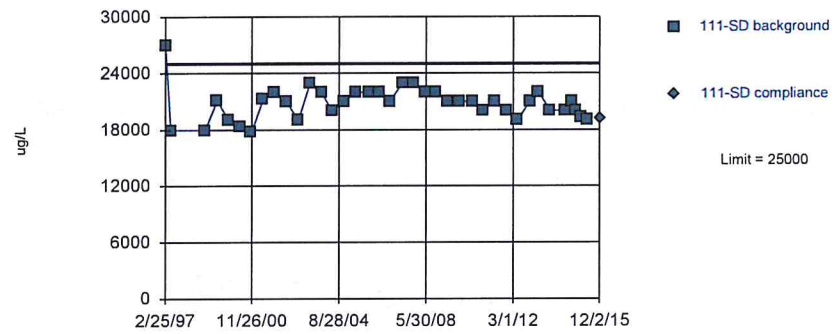
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

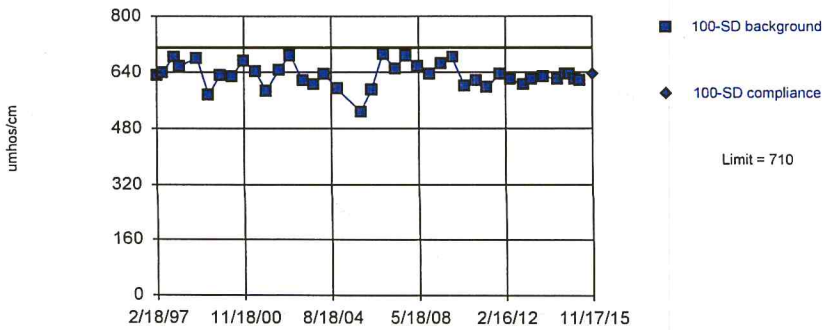
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

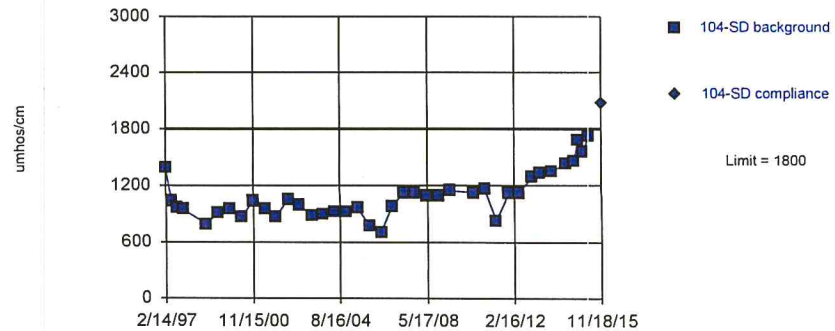
Bridgeton LF Client: RSI Data: BRIDGETON

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

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 1/7/2016 11:41 AM

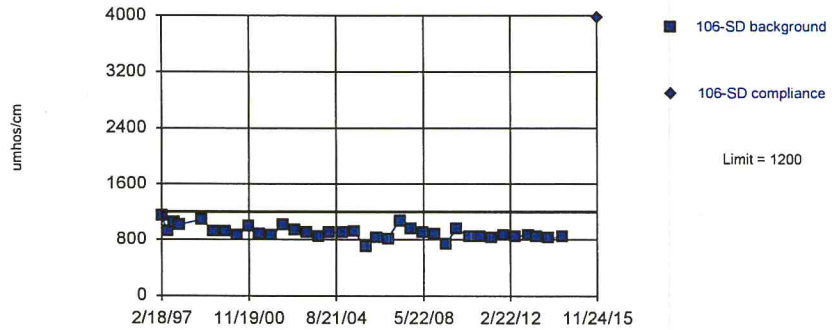
Bridgeton LF Client: RSI Data: BRIDGETON

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

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 1/7/2016 11:41 AM

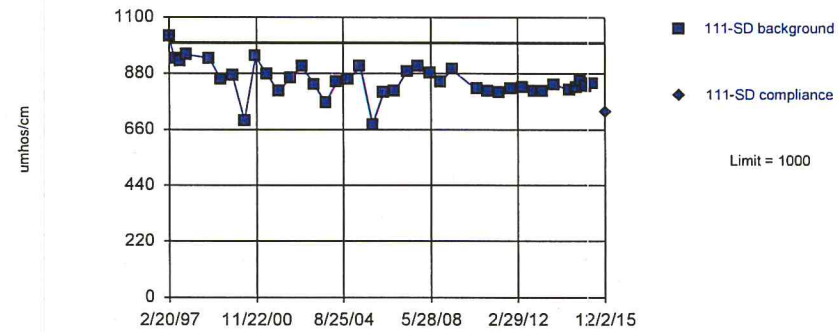
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:41 AM

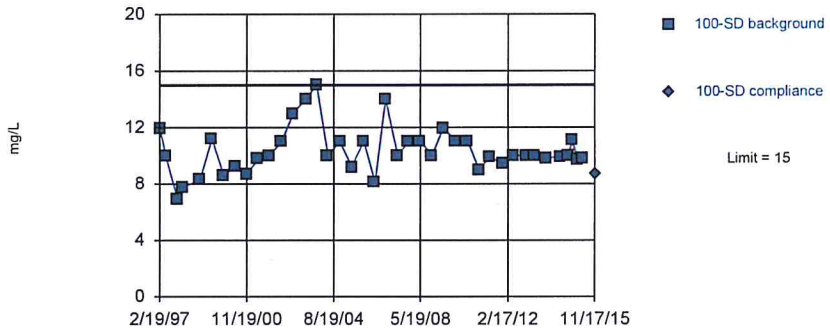
Bridgeton LF Client: RSI Data: BRIDGETON

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

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 as SO4 Analysis Run 1/7/2016 11:42 AM

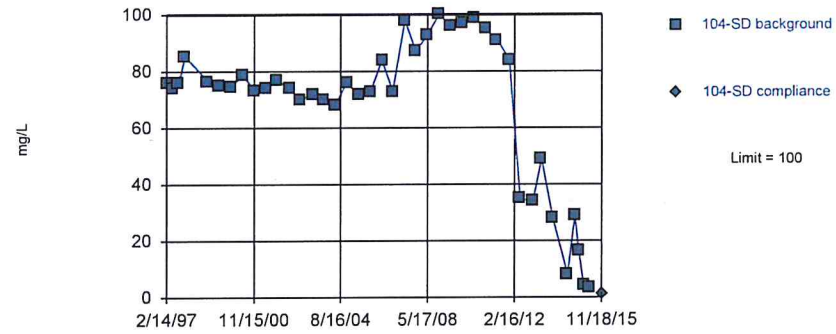
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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: Sulfate as SO4 Analysis Run 1/7/2016 11:42 AM

Bridgeton LF Client: RSI Data: BRIDGETON

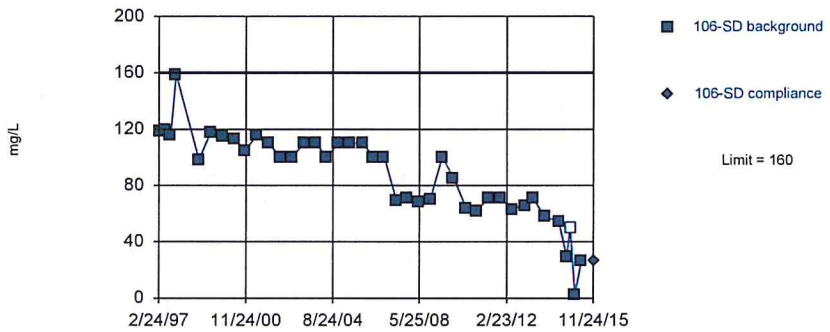
Sanitas™ v.9.5.20 Software licensed to Jett Environmental Consulting, UG

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 as SO4 Analysis Run 1/7/2016 11:42 AM

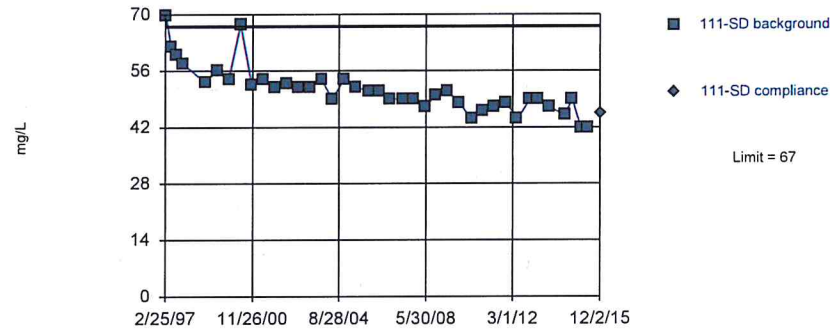
Bridgeton LF Client: RSI Data: BRIDGETON

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

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 as SO4 Analysis Run 1/7/2016 11:42 AM

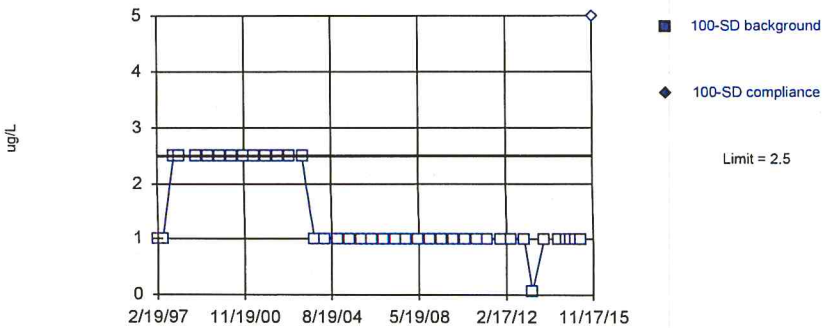
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:42 AM

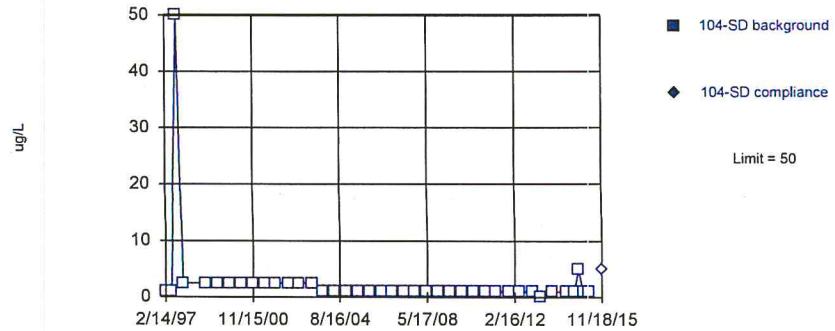
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:42 AM

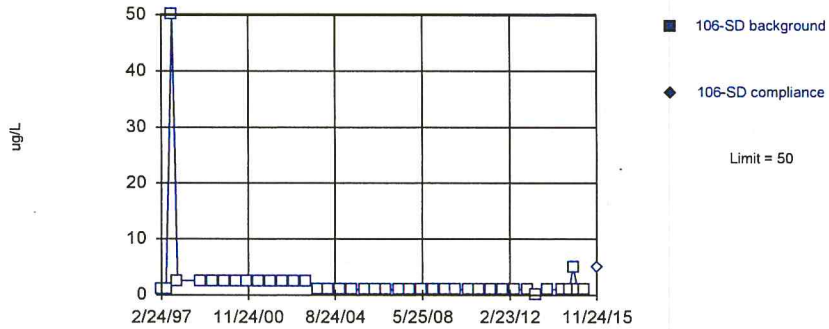
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:42 AM

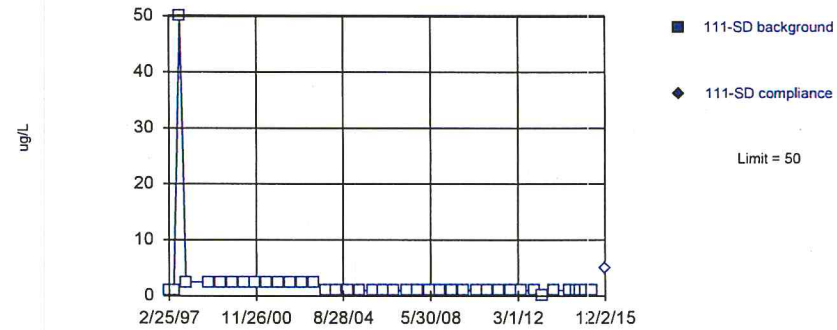
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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. 100% 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 1/7/2016 11:42 AM

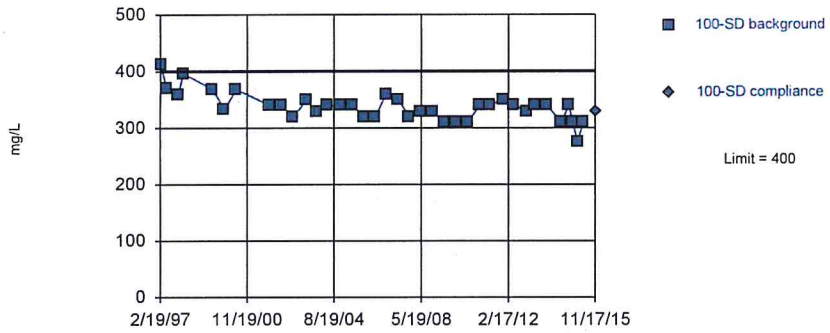
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:42 AM

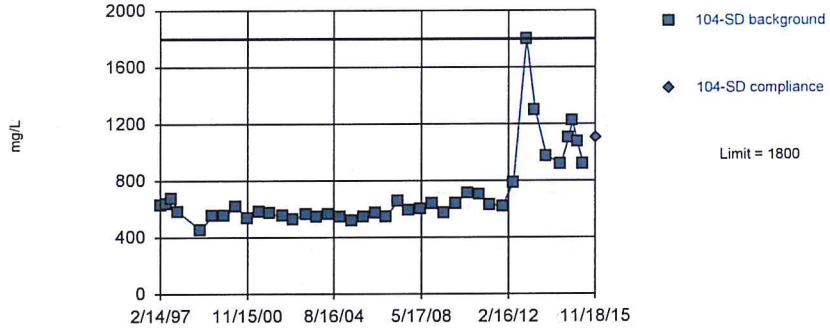
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:42 AM

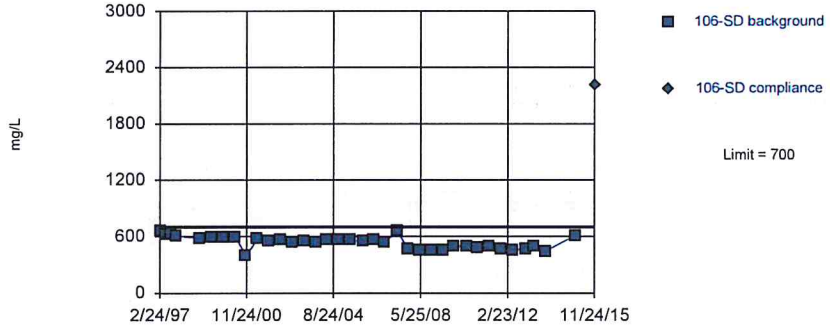
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:42 AM

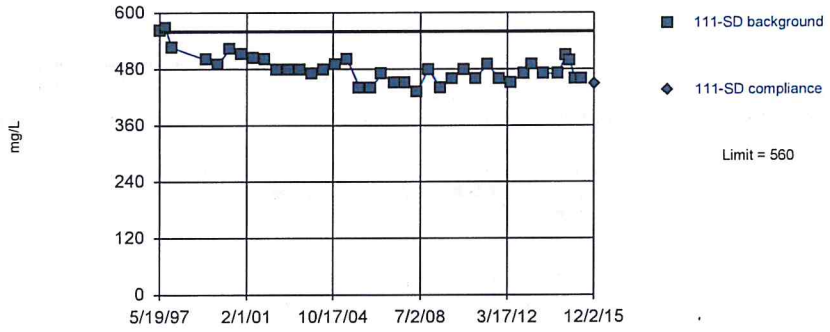
Bridgeton LF Client: RSI Data: BRIDGETON

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

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 1/7/2016 11:42 AM

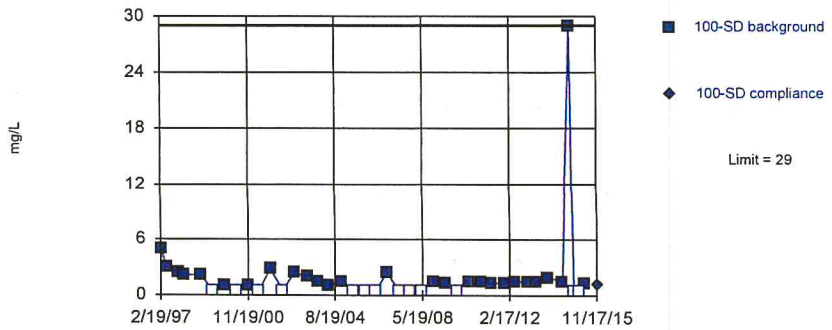
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

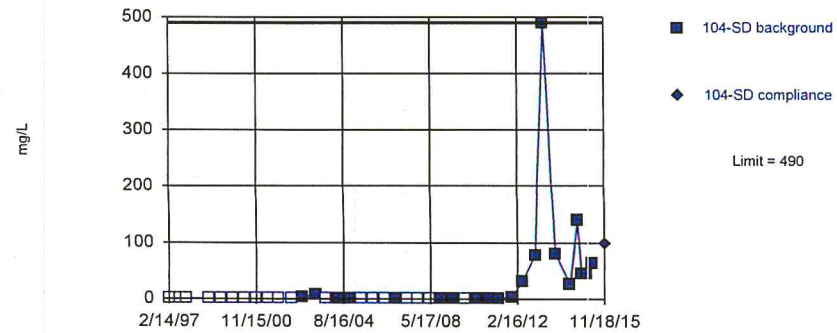
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:42 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

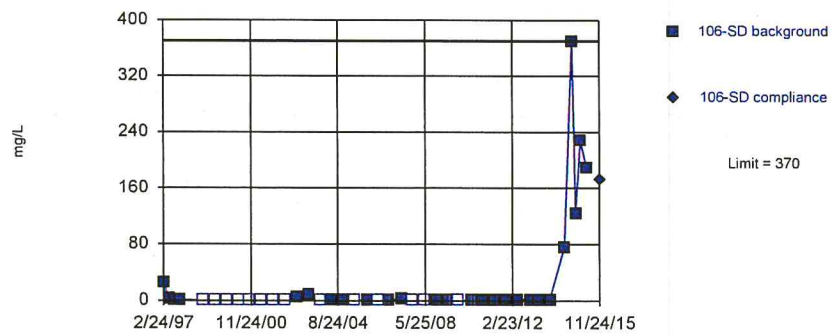
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:42 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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.

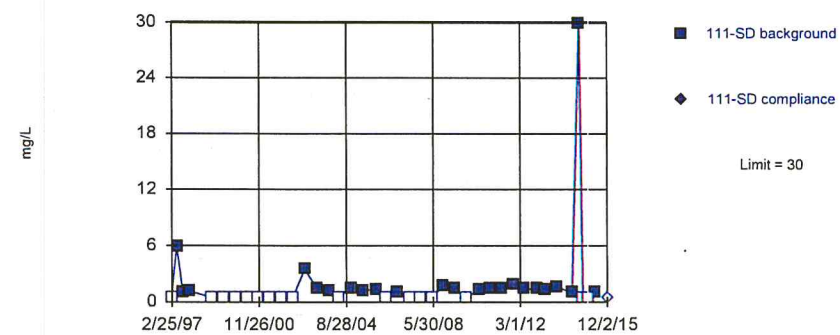
Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:42 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Within Limit

Prediction Limit

Intrawell Non-parametric



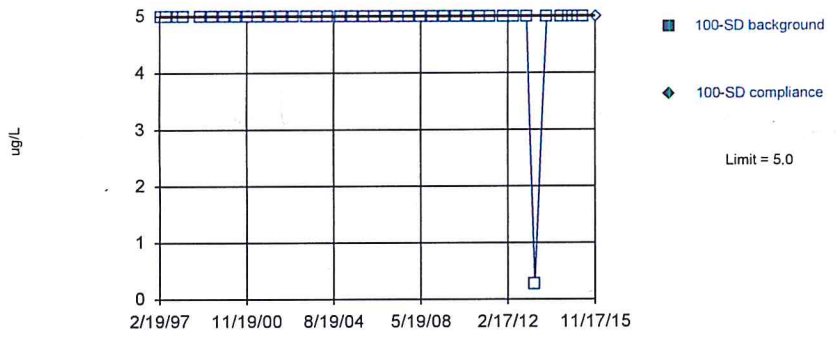
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 42.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 11:42 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



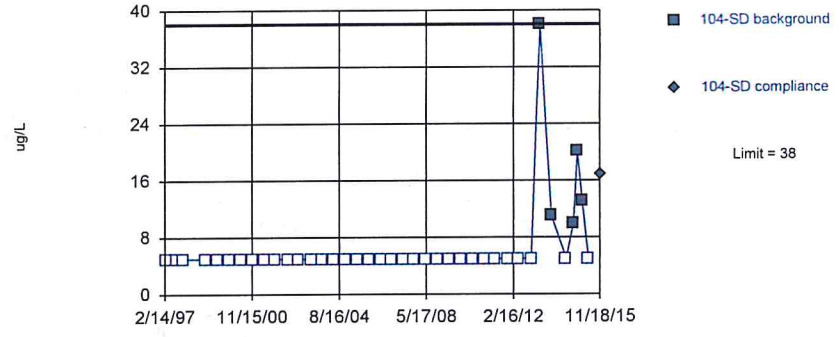
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 100% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Vanadium Total Analysis Run 1/7/2016 11:42 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



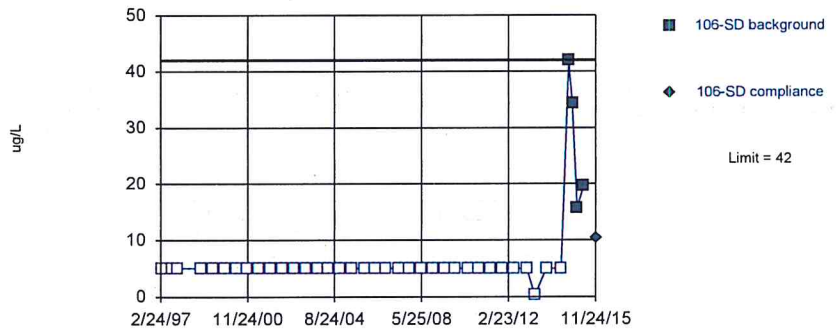
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so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

Constituent: Vanadium Total Analysis Run 1/7/2016 11:42 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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

Prediction Limit

Intrawell Non-parametric



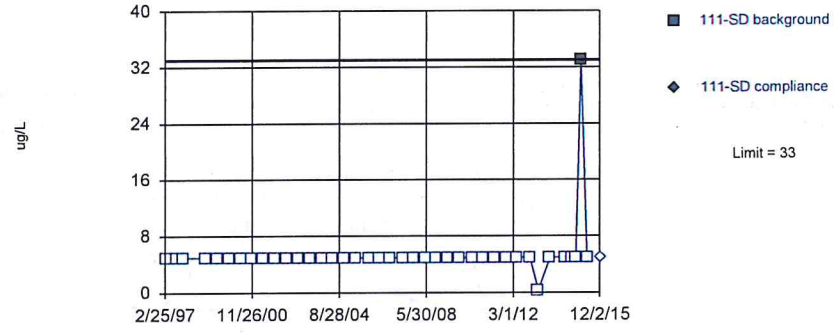
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 40 background values. 90% NDs. Well-constituent pair annual alpha = 0.004602. Individual comparison alpha = 0.001152 (1 of 2). After outlier removal distribution was non-normal, so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

Constituent: Vanadium Total Analysis Run 1/7/2016 11:42 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:42 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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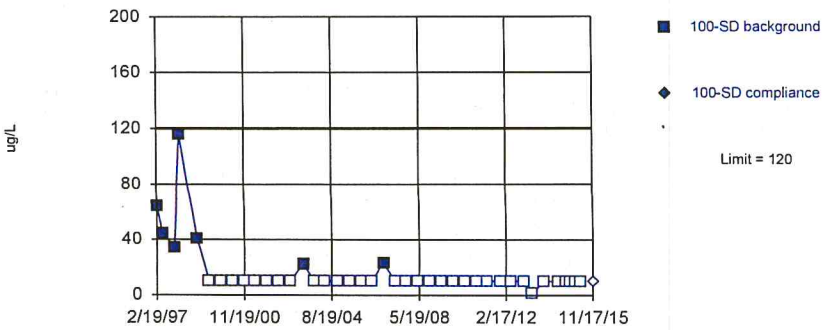
Hollow symbols indicate censored values.

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: Zinc Total Analysis Run 1/7/2016 11:42 AM

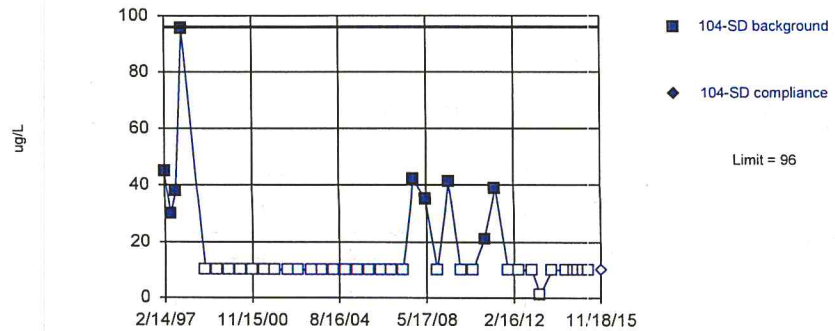
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:42 AM

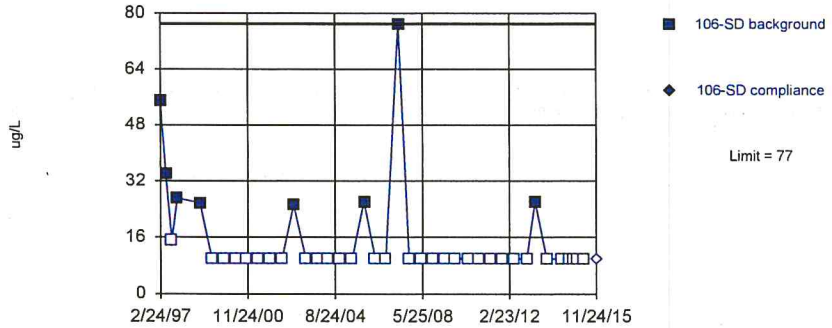
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:42 AM

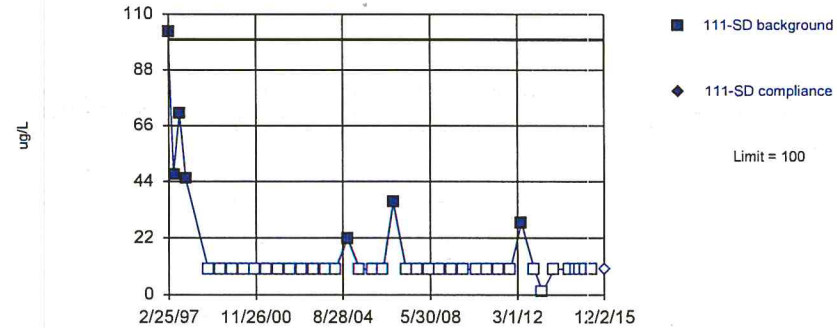
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 1/7/2016 11:42 AM

Bridgeton LF Client: RSI Data: BRIDGETON

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/7/2016, 2:10 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)	**106-SD**	**1.4**	**n/a**	**11/24/2015**	**83.4**	**Yes**	**29**	**n/a**	**n/a**	**55.17**	**n/a**	**n/a**	**0.002152**	**NP Intra (NDs) 1 of 2**
Barium Total (ug/L)	**104-SD**	**230**	**n/a**	**11/18/2015**	**553**	**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**	**11/24/2015**	**1380**	**Yes**	**11**	**465937**	**199834**	**0**	**None**	**x^3**	**0.0001937**	**Param Intra 1 of 2**
Barium Total (ug/L)	111-SD	130	n/a	12/2/2015	110	No	12	4.538	0.1113	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Calcium Total (ug/L)	**106-SD**	**140000**	**n/a**	**11/24/2015**	**145000**	**Yes**	**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	11/18/2015	294	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**	**11/18/2015**	**253**	**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	11/18/2015	534	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**	**11/24/2015**	**848**	**Yes**	**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	11/24/2015	3450	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**	**11/18/2015**	**65900**	**Yes**	**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**	**11/24/2015**	**118000**	**Yes**	**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	11/18/2015	6.92	No	34	53	5.7	0	None	x^2	0.00009683	Param Intra 1 of 2
pH [Field] (su)	106-SD	8	6.5	11/24/2015	6.7	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**	**11/18/2015**	**162000**	**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**	**11/18/2015**	**2070**	**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**	**11/18/2015**	**1100**	**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**	**11/18/2015**	**98.7**	**Yes**	**32**	**n/a**	**n/a**	**62.5**	**n/a**	**n/a**	**0.001789**	**NP Intra (NDs) 1 of 2**
Total Organic Carbon [TOC] (mg/L)	106-SD	370	n/a	11/24/2015	173	No	37	n/a	n/a	37.84	n/a	n/a	0.001353	NP Intra (normality) 1 of 2

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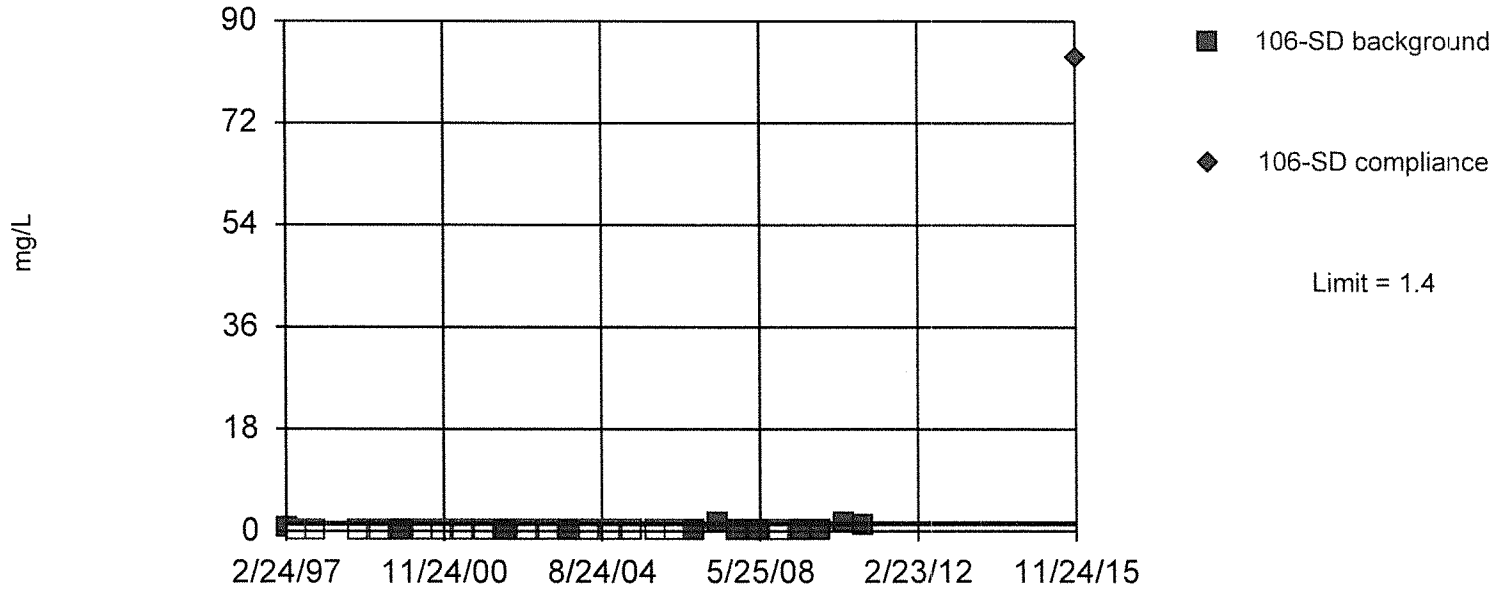
Hollow symbols indicate censored values.

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.

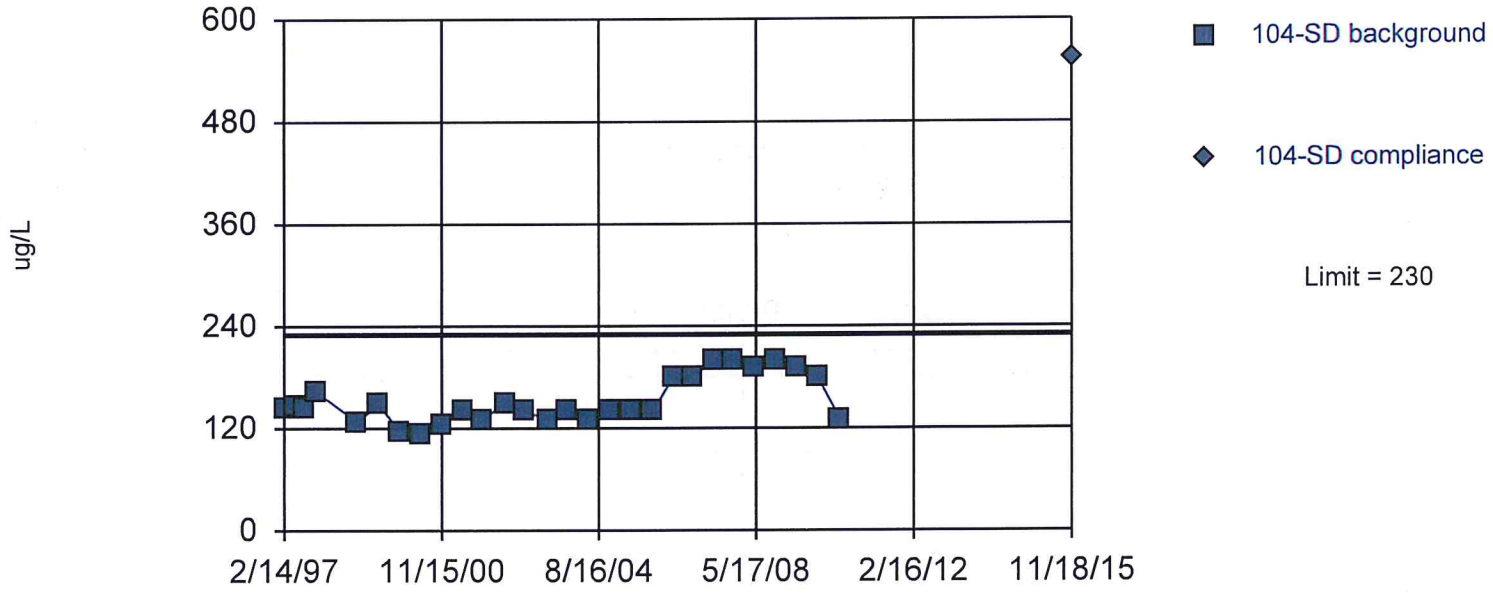
Constituent: Ammonia as N Analysis Run 1/7/2016 1:44 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

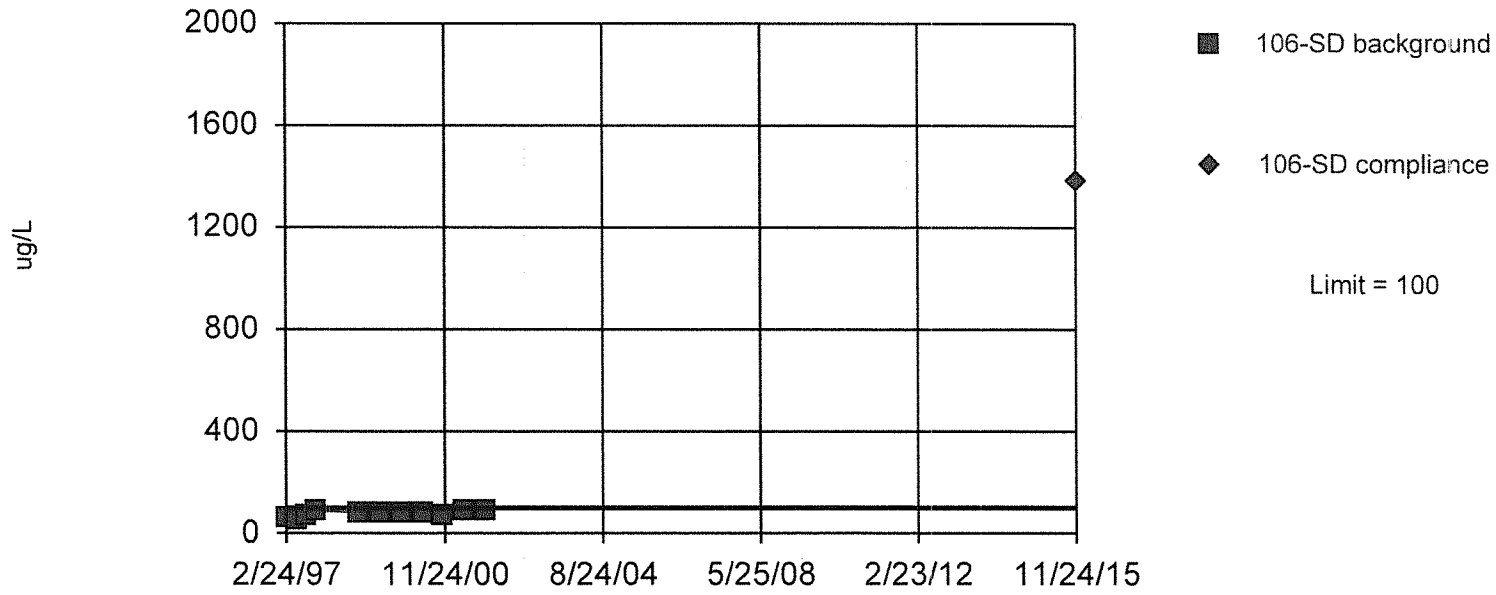
Constituent: Barium Total Analysis Run 1/7/2016 1:45 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

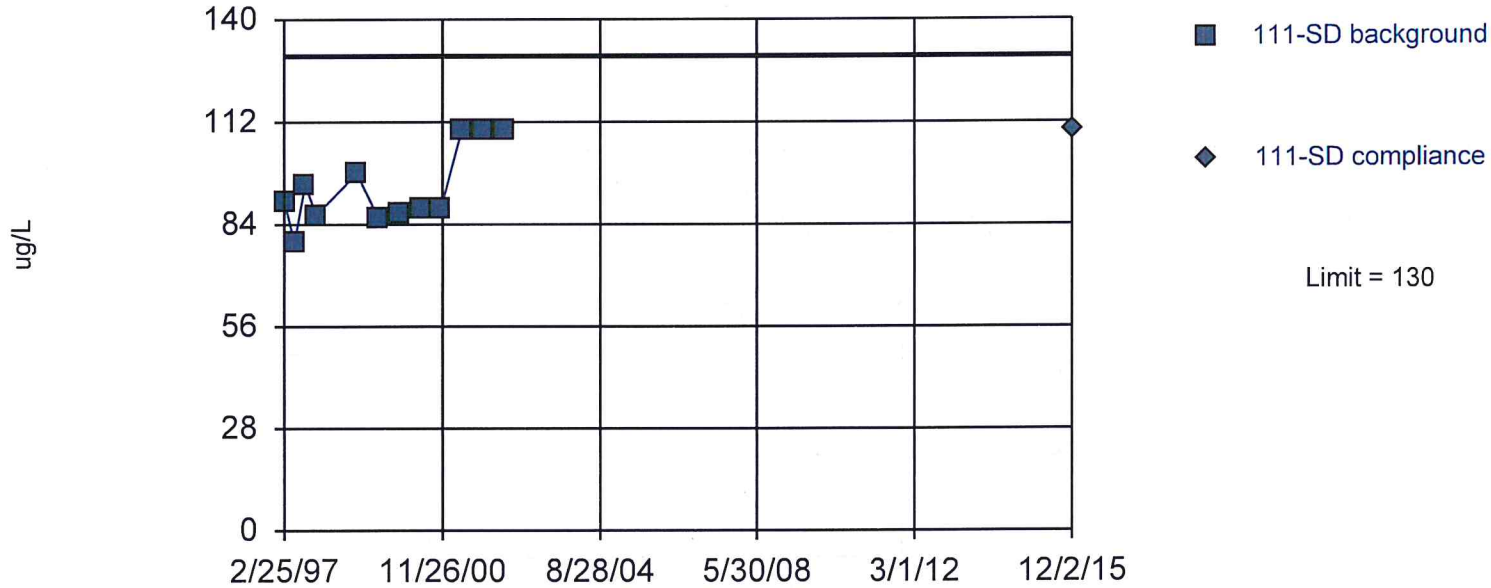
Constituent: Barium Total Analysis Run 1/7/2016 1:55 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

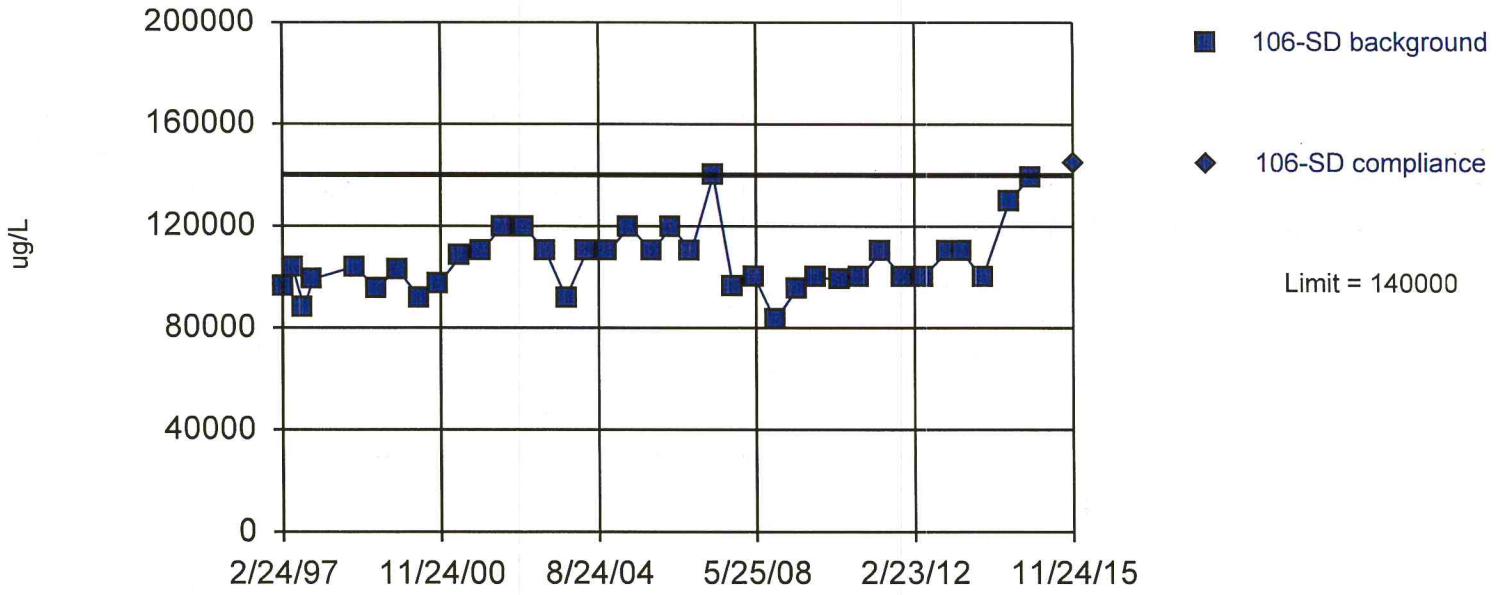
Constituent: Barium Total Analysis Run 1/7/2016 1:56 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Exceeds 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 1/7/2016 1:57 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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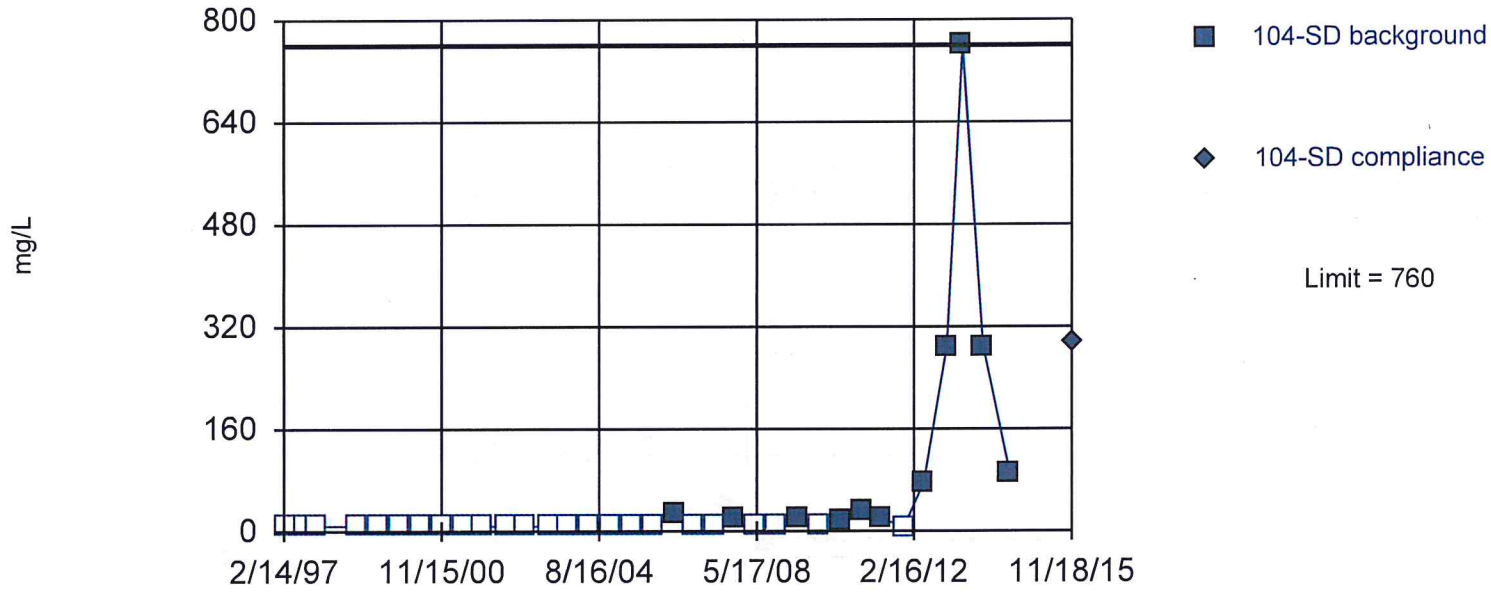
Hollow symbols indicate censored values.

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.

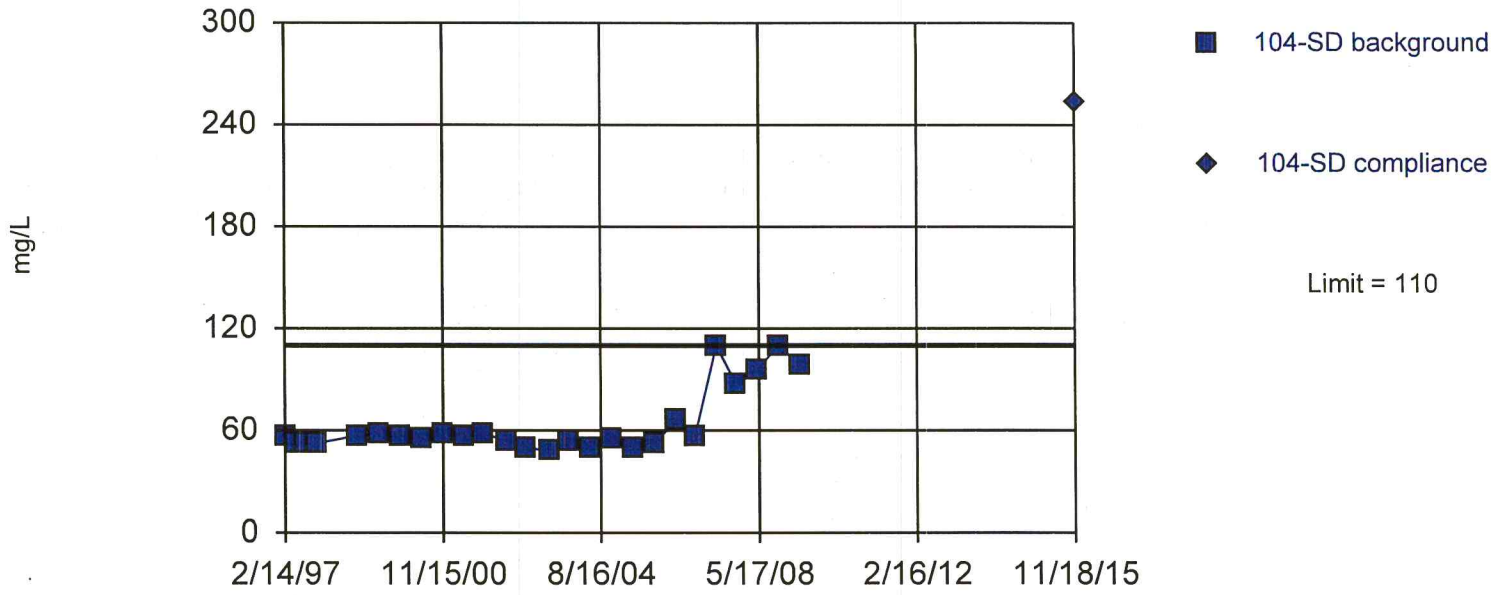
Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/7/2016 2:00 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

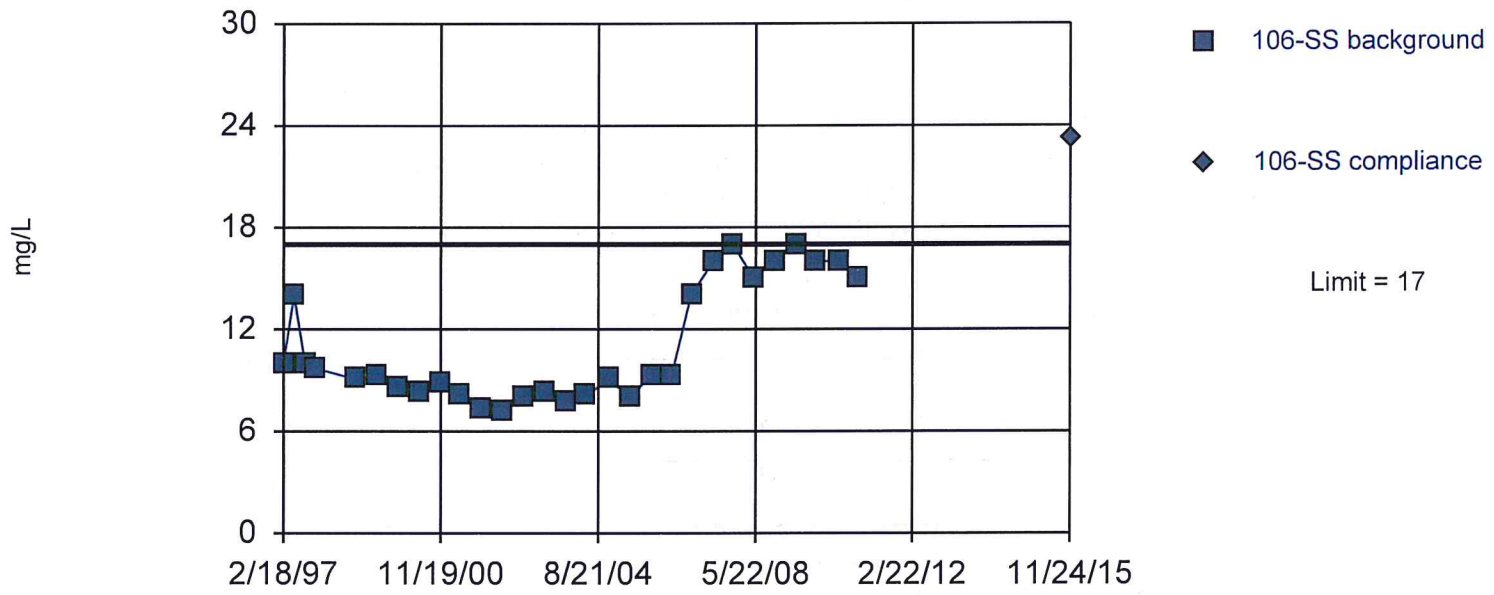
Constituent: Chloride Analysis Run 1/7/2016 2:01 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

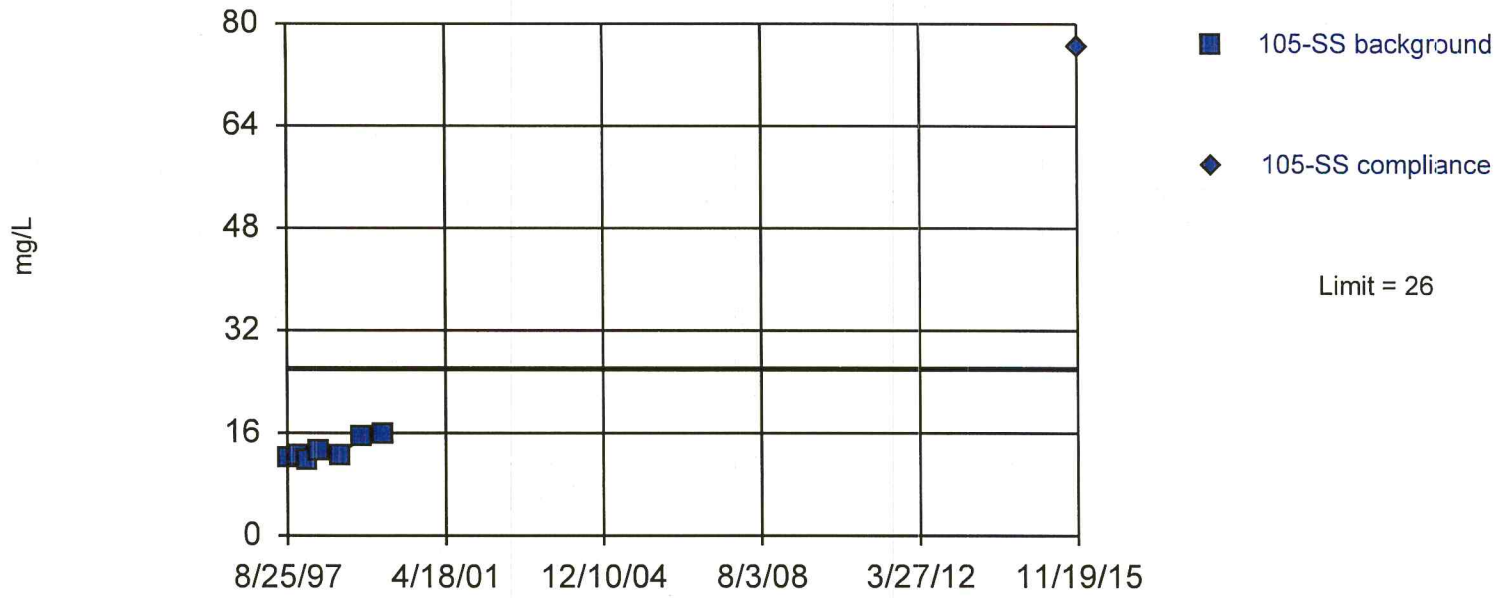
Constituent: Chloride Analysis Run 1/7/2016 2:53 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 = 5.42 (c=34, w=9, 1 of 2, event alpha = 0.026). Report alpha = 0.00008608. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

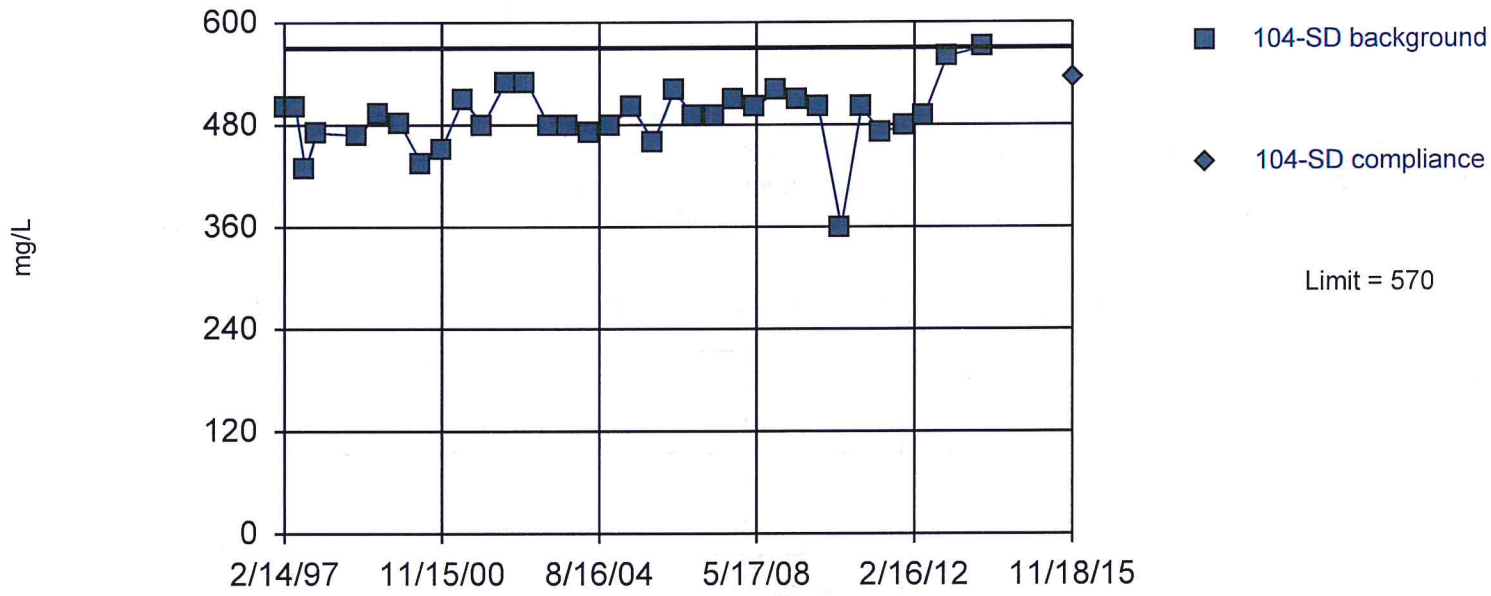
Constituent: Chloride Analysis Run 1/7/2016 2:52 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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).

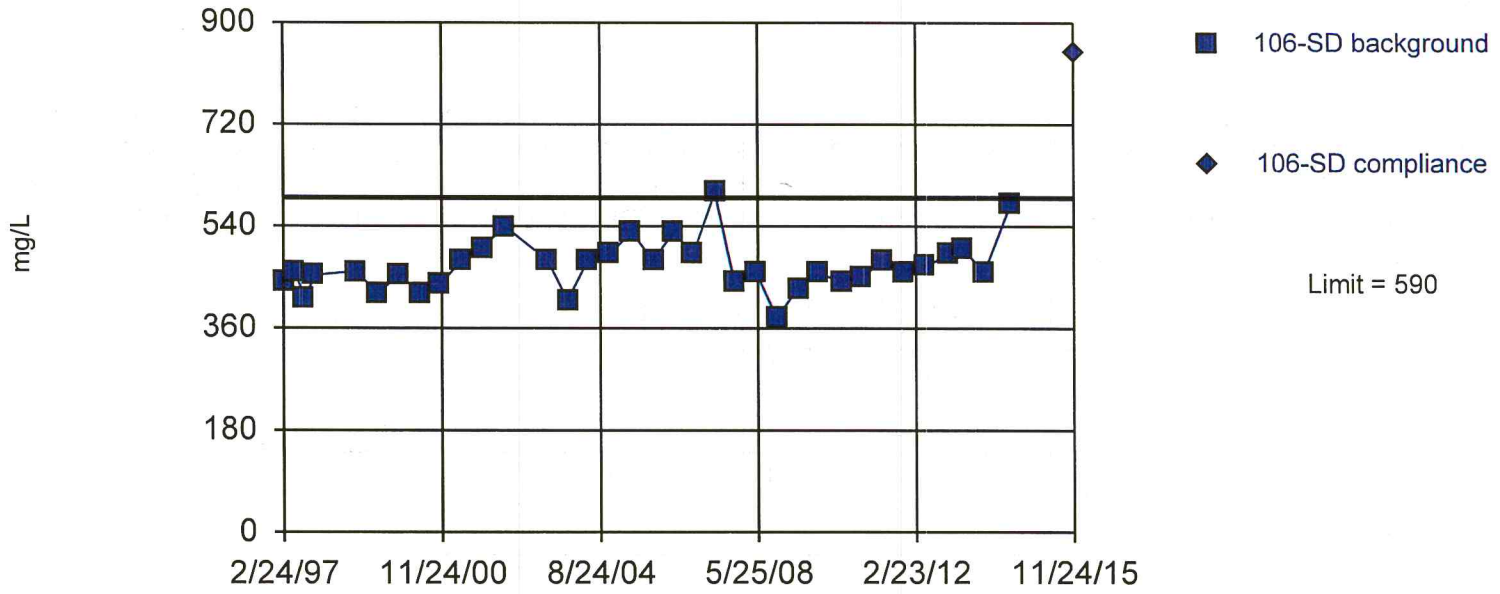
Constituent: Hardness Total Analysis Run 1/7/2016 2:02 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Exceeds 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).

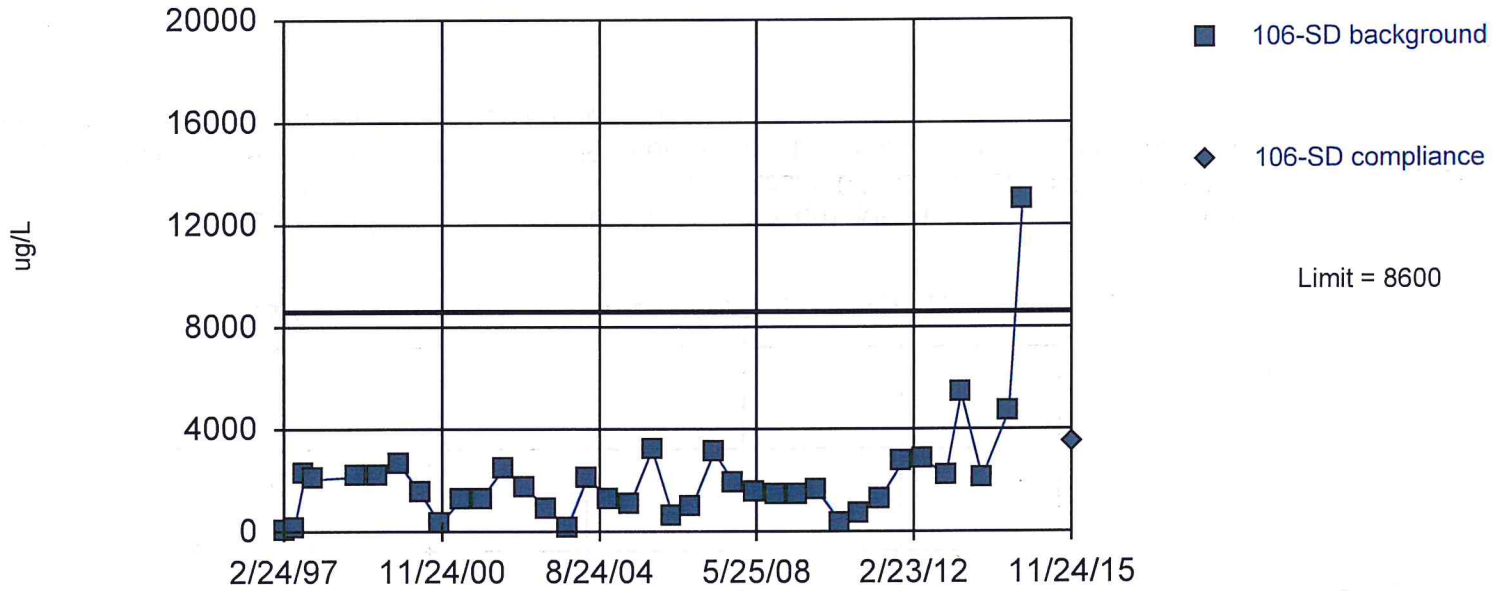
Constituent: Hardness Total Analysis Run 1/7/2016 2:02 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

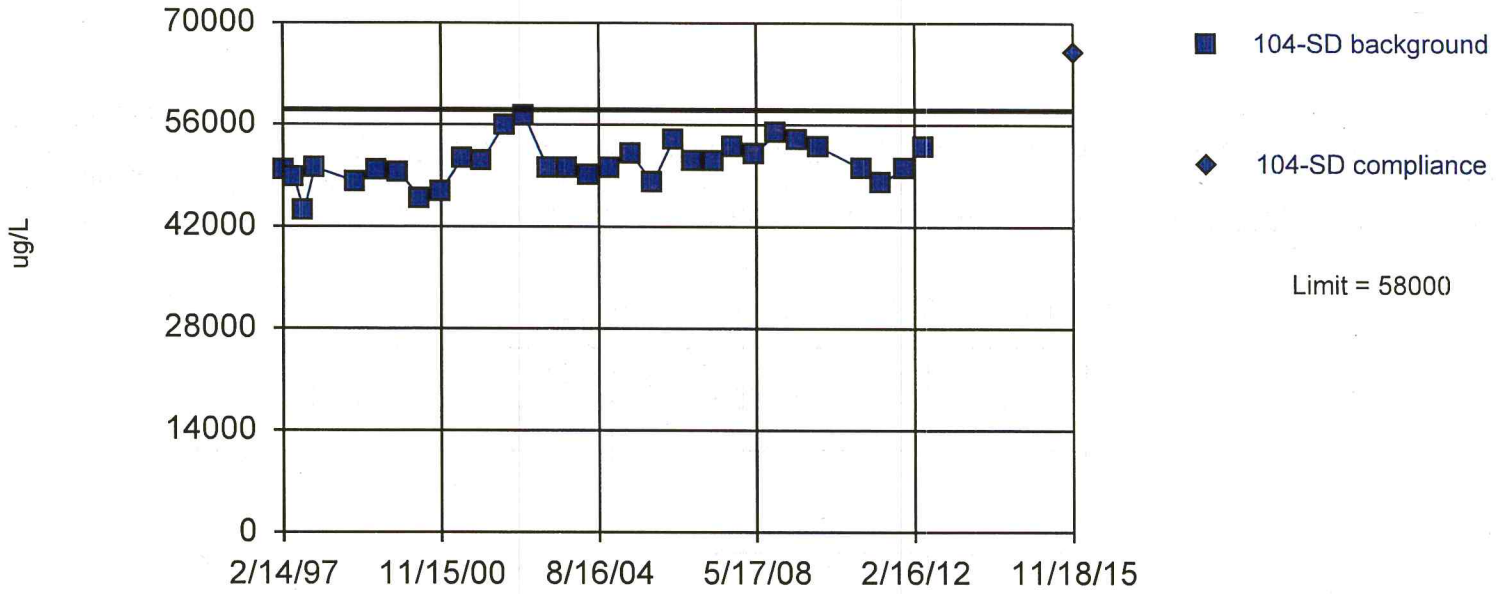
Constituent: Iron Total Analysis Run 1/7/2016 2:03 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Exceeds 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).

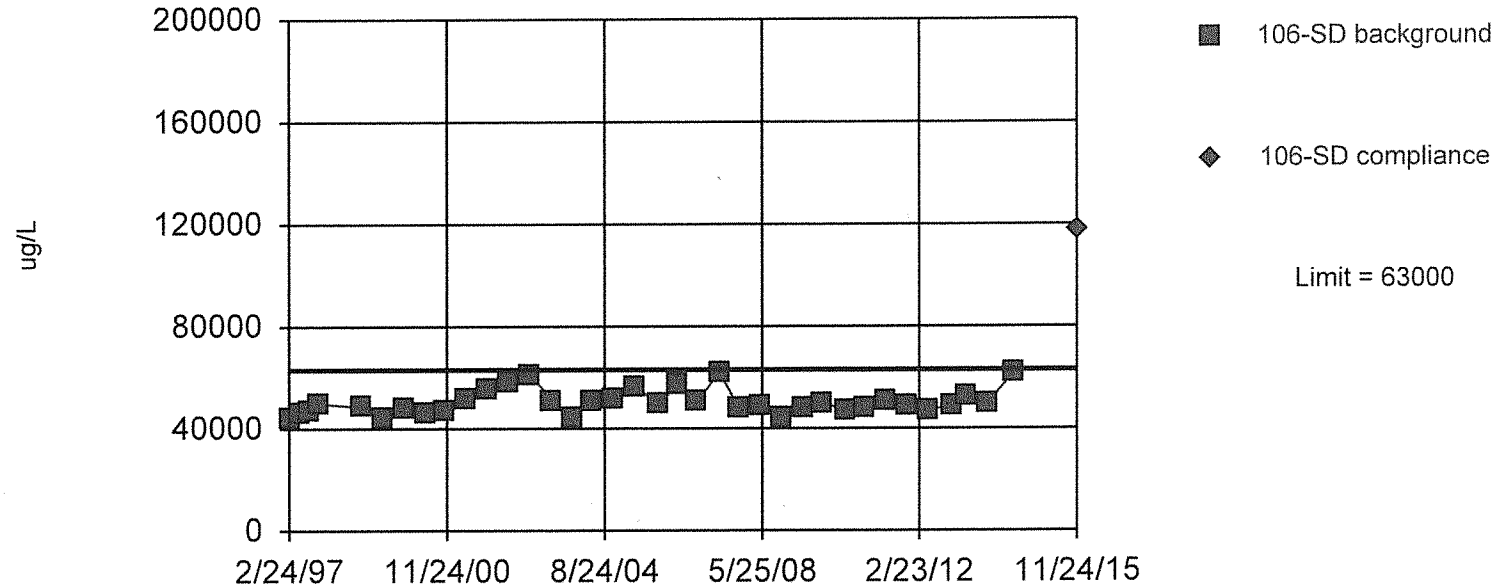
Constituent: Magnesium Total Analysis Run 1/7/2016 2:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Exceeds 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).

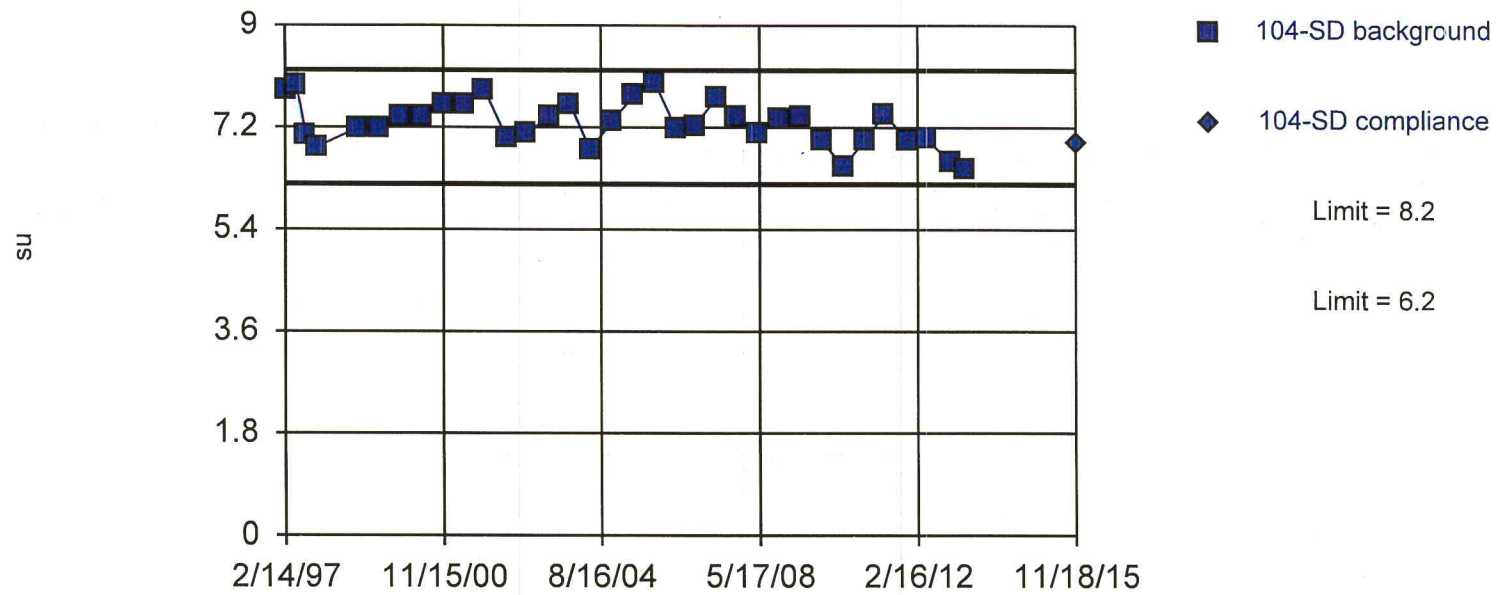
Constituent: Magnesium Total Analysis Run 1/7/2016 2:05 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

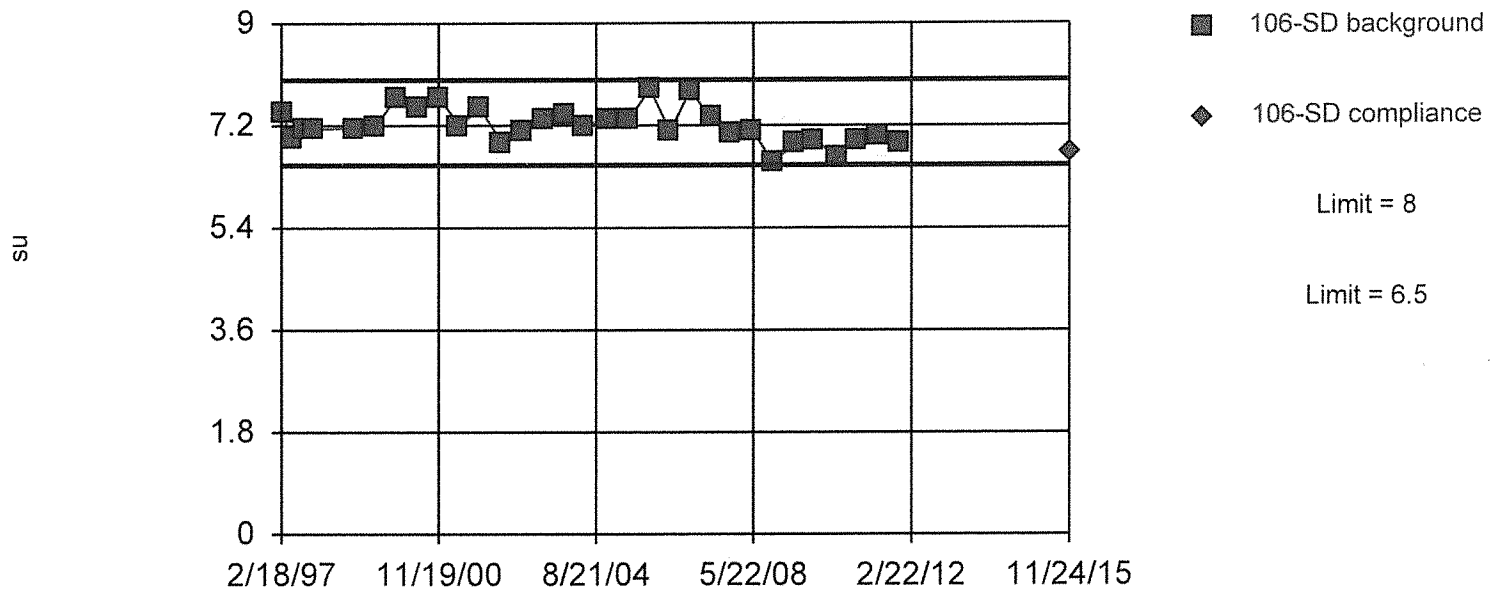
Constituent: pH [Field] Analysis Run 1/7/2016 2:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

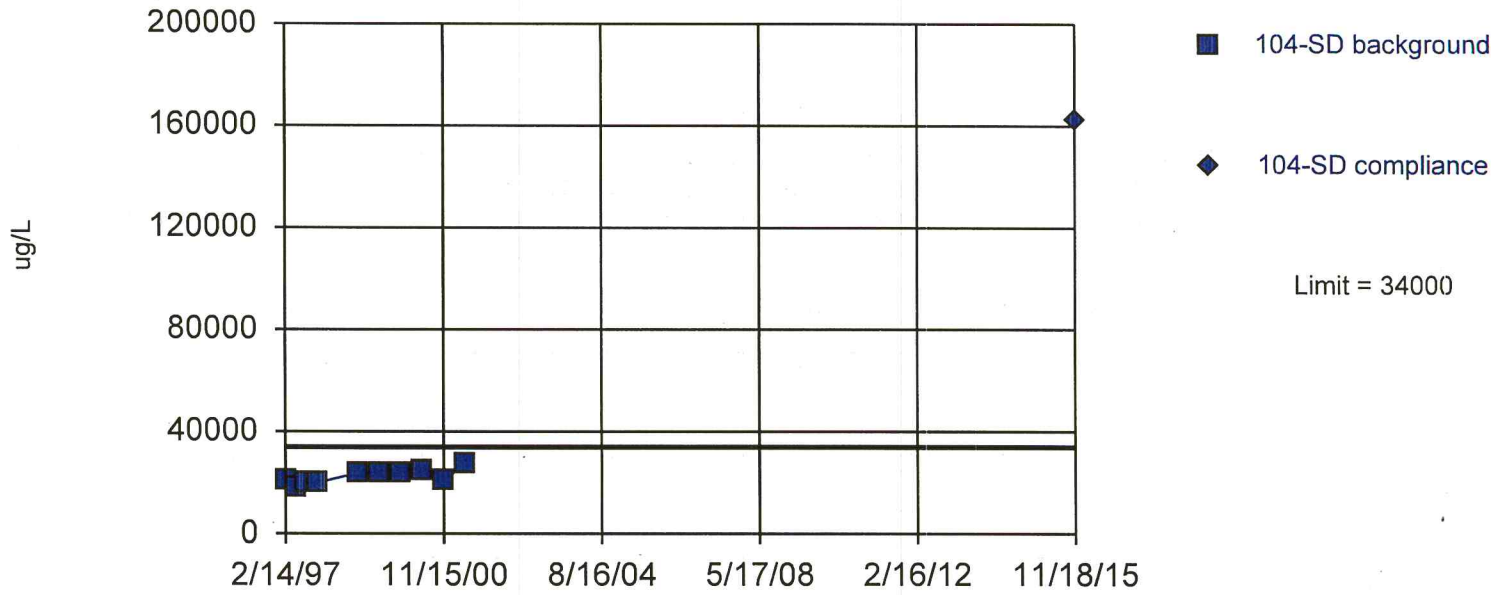
Constituent: pH [Field] Analysis Run 1/7/2016 2:06 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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.

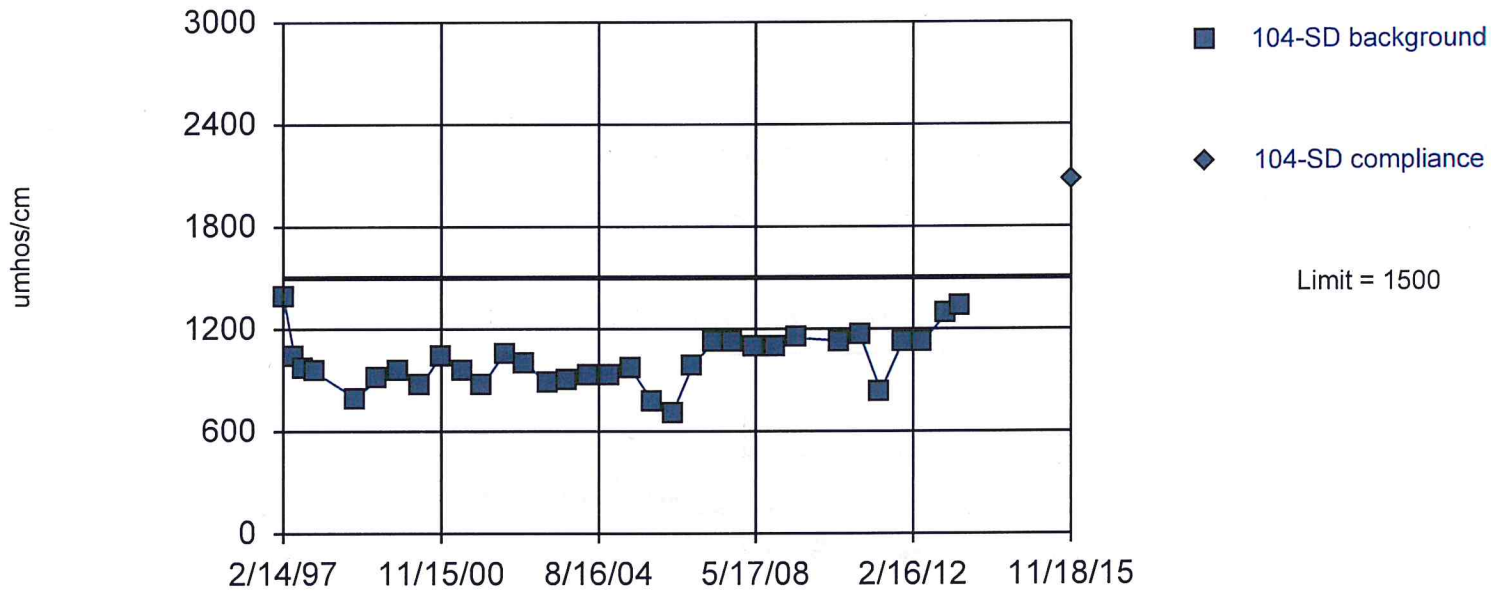
Constituent: Sodium Total Analysis Run 1/7/2016 2:07 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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).

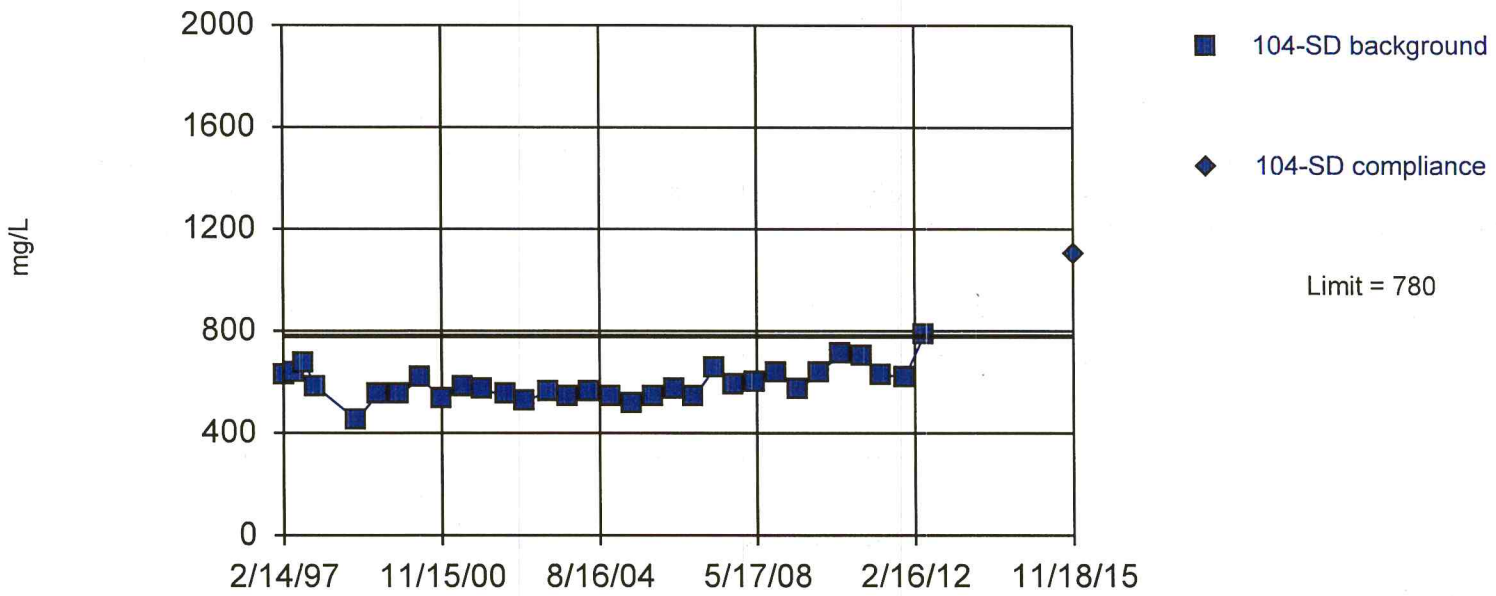
Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 2:08 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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 1/7/2016 2:08 PM

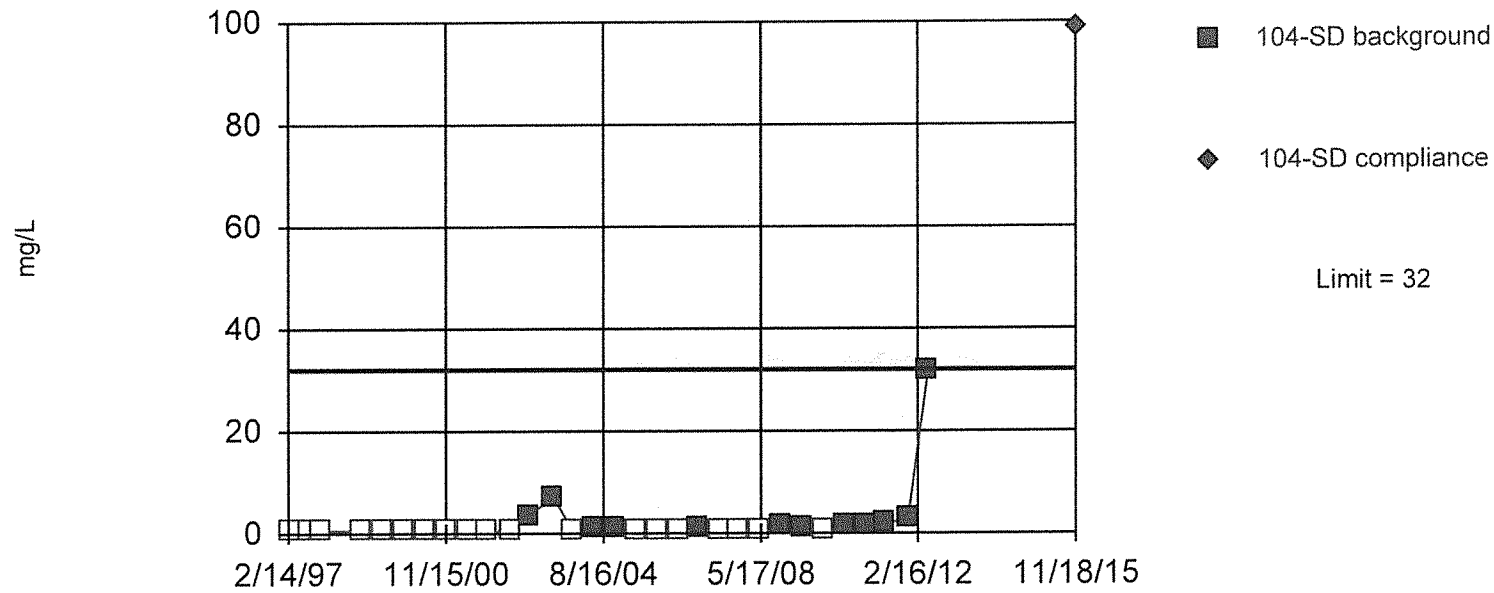
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.20 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 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 1/7/2016 2:09 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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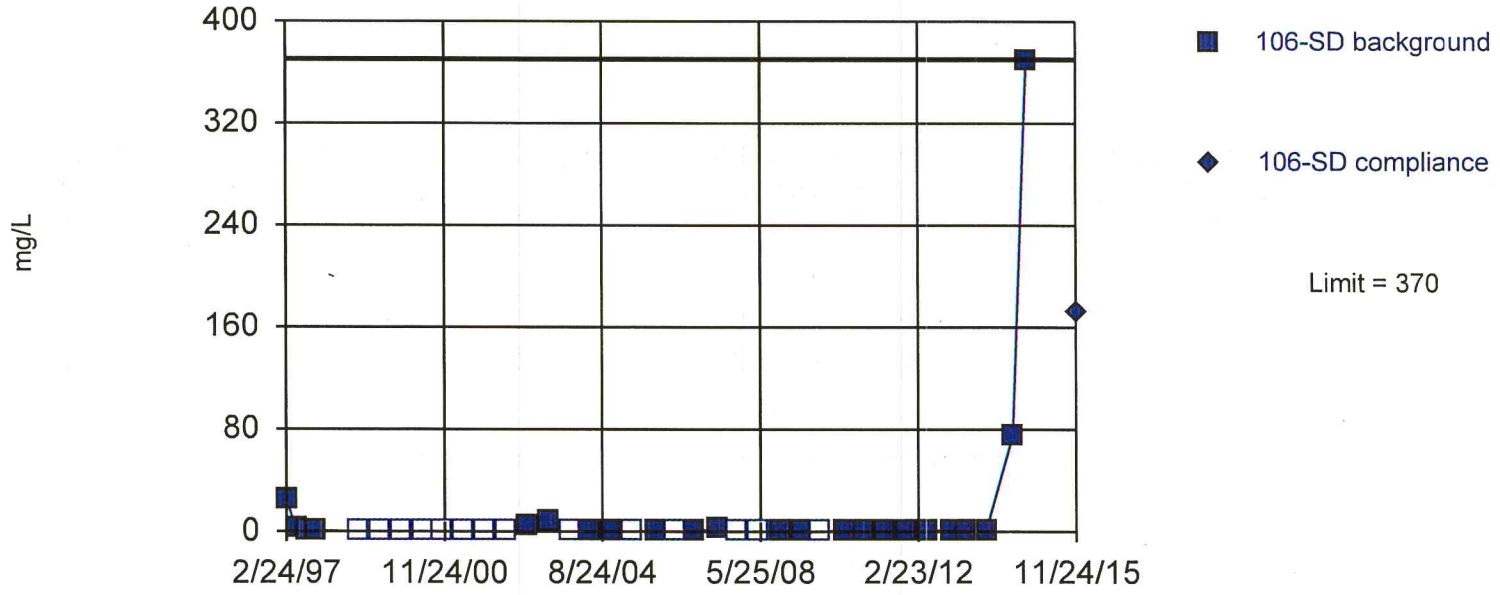
Hollow symbols indicate censored values.

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 1/7/2016 2:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Prediction Limit

Bridgeton LF Client: RSI Data: BRIDGETON Printed 1/22/2016, 10:20 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)	104-SD	27	n/a	11/18/2015	14.2	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2
Chromium Total (ug/L)	**104-SD**	**13**	**n/a**	**11/18/2015**	**14.3**	**Yes**	**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	11/24/2015	19.6	No	40	n/a	n/a	82.5	n/a	n/a	0.001152	NP Intra (NDs) 1 of 2

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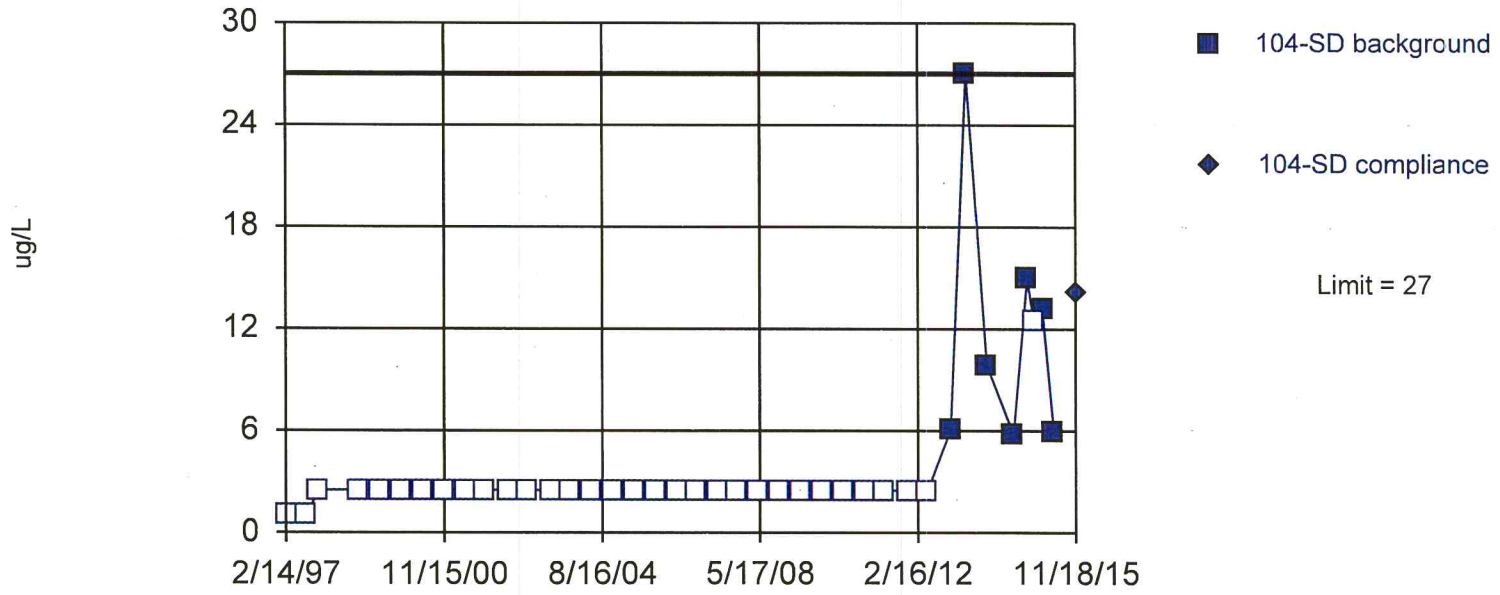
Hollow symbols indicate censored values.

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. 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 1/22/2016 10:18 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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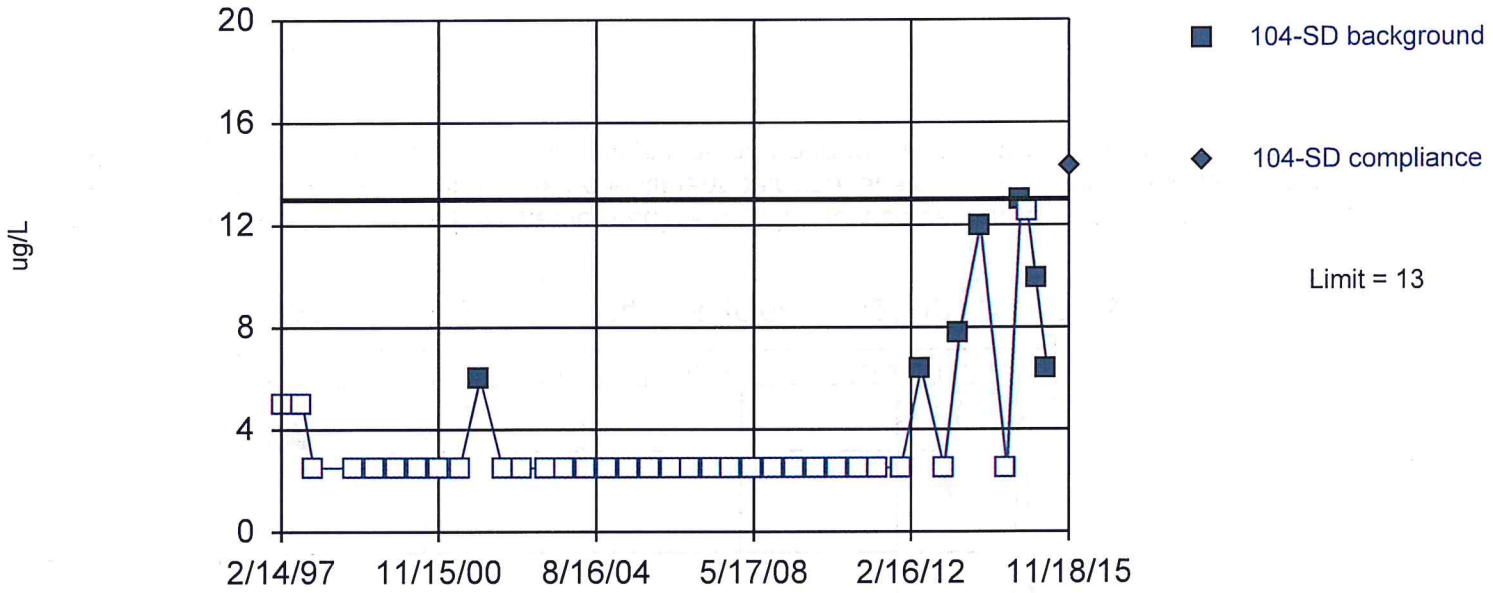
Hollow symbols indicate censored values.

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. 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 1/22/2016 10:18 AM

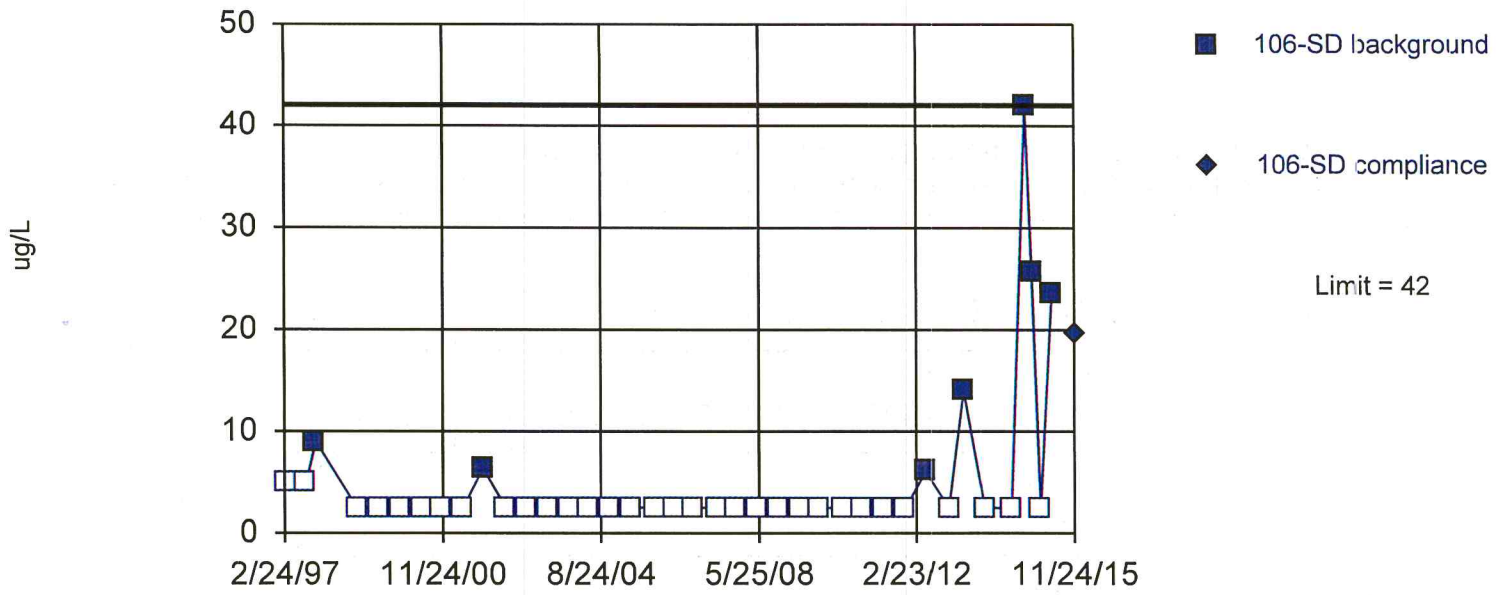
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 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 1/22/2016 10:20 AM

Bridgeton LF Client: RSI Data: BRIDGETON

TREND EVALUATION OF EXCEEDING CONSTITUENTS

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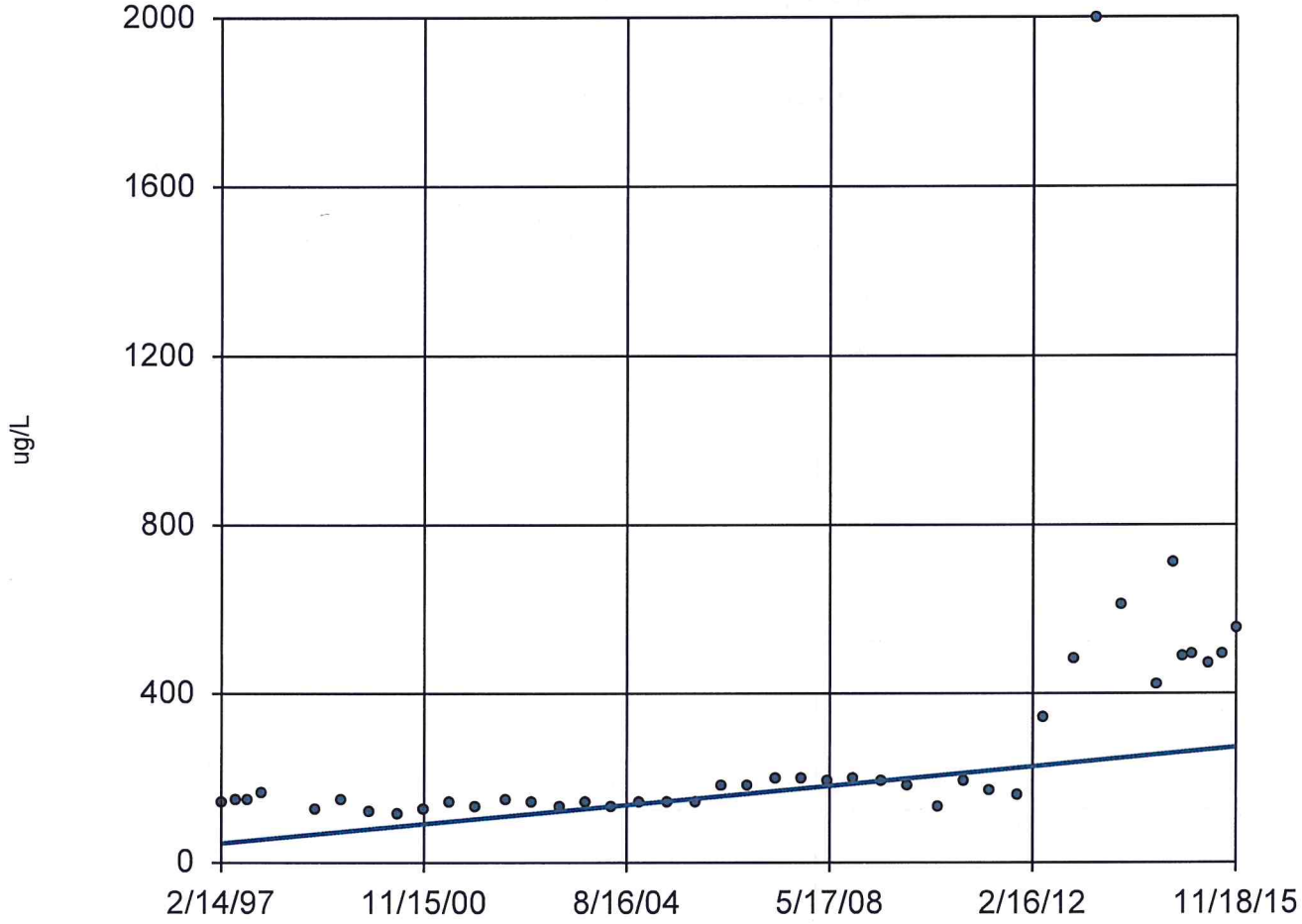
Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 12.07 units per year.

Mann-Kendall normal approx. = 5.463
critical = 2.33

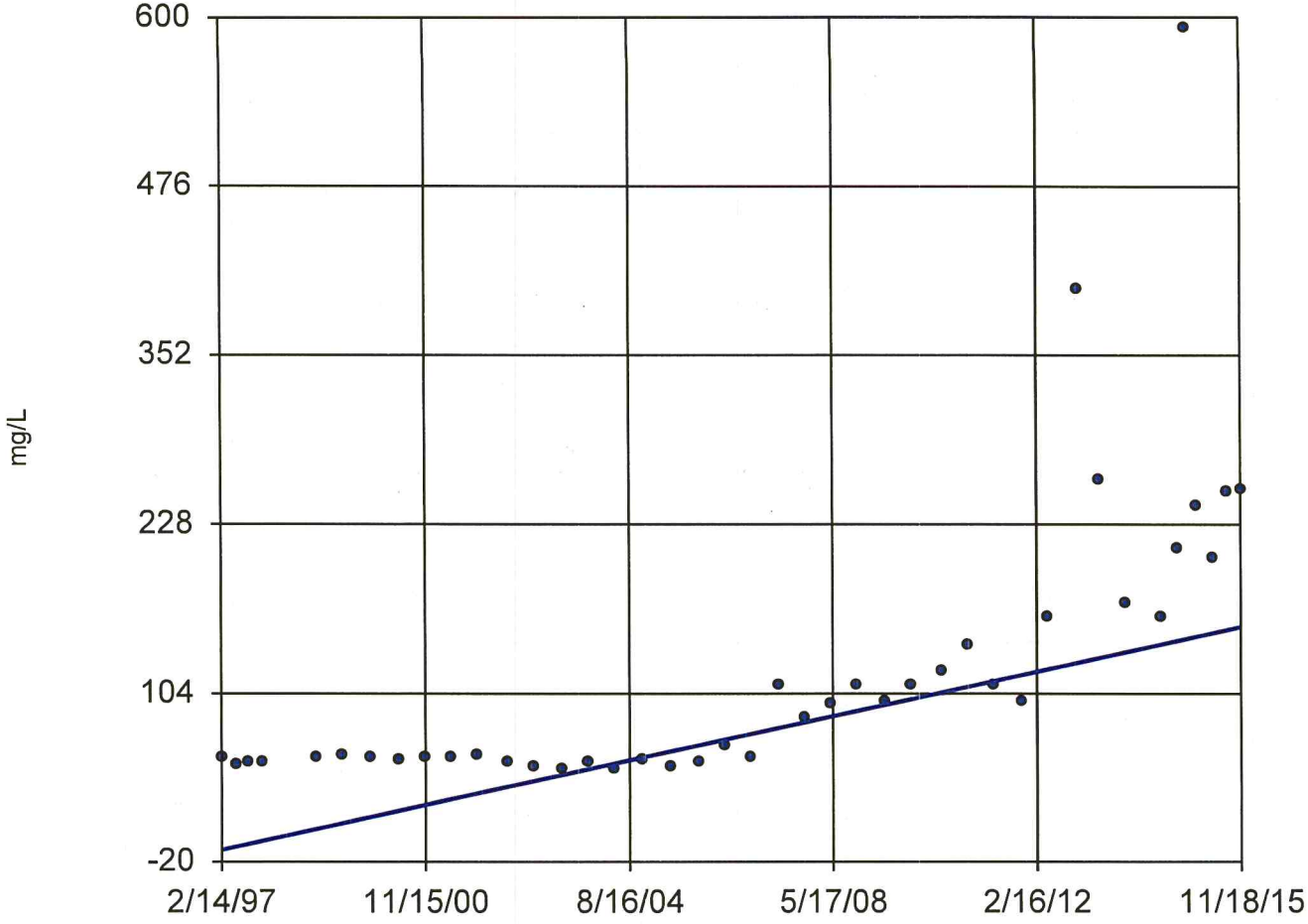
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Total Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 8.76 units per year.

Mann-Kendall normal approx. = 6.095
critical = 2.33

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

Constituent: Chloride Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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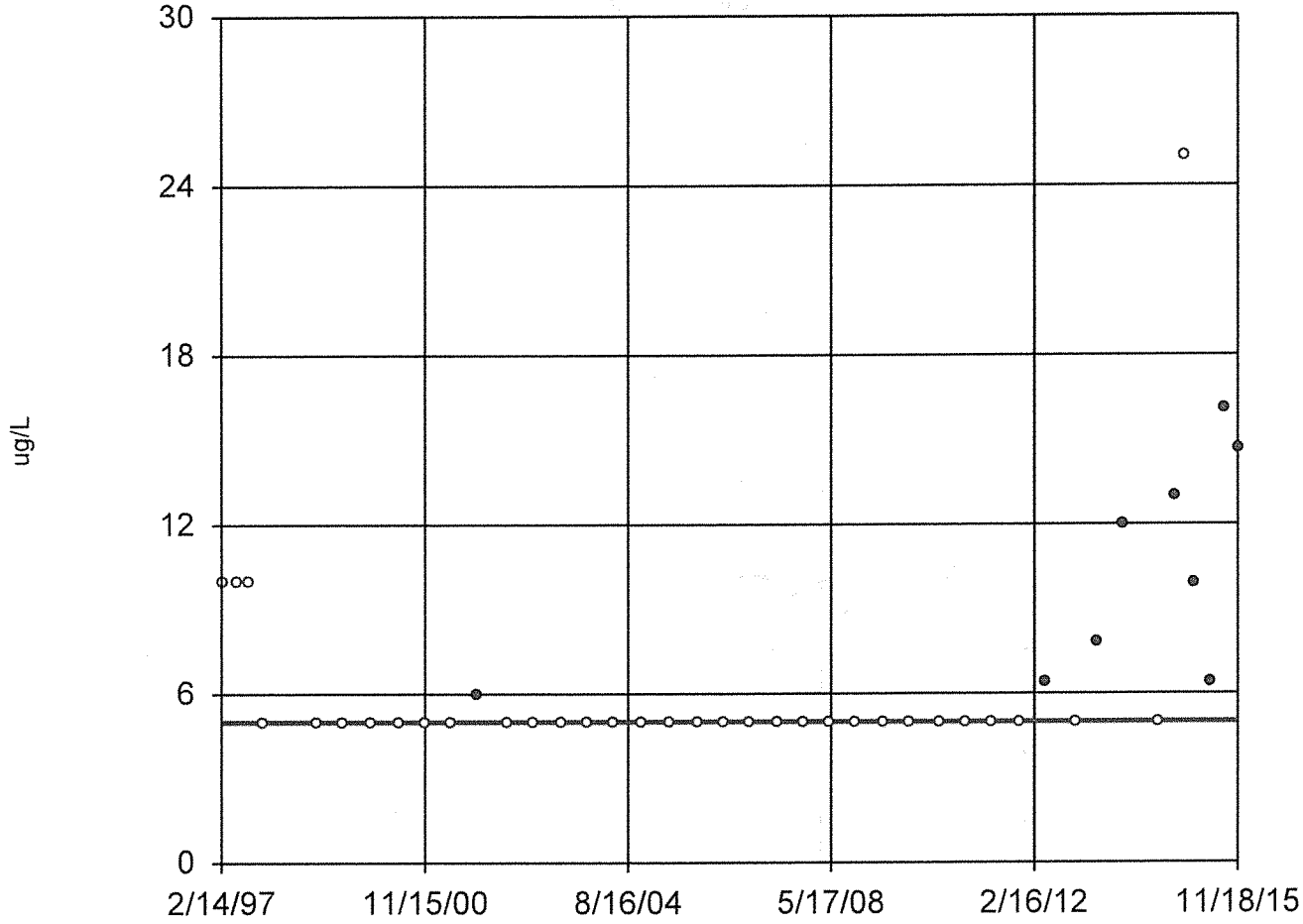
Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 0
units per year.

Mann-Kendall
normal approx. =
2.285
critical = 2.33

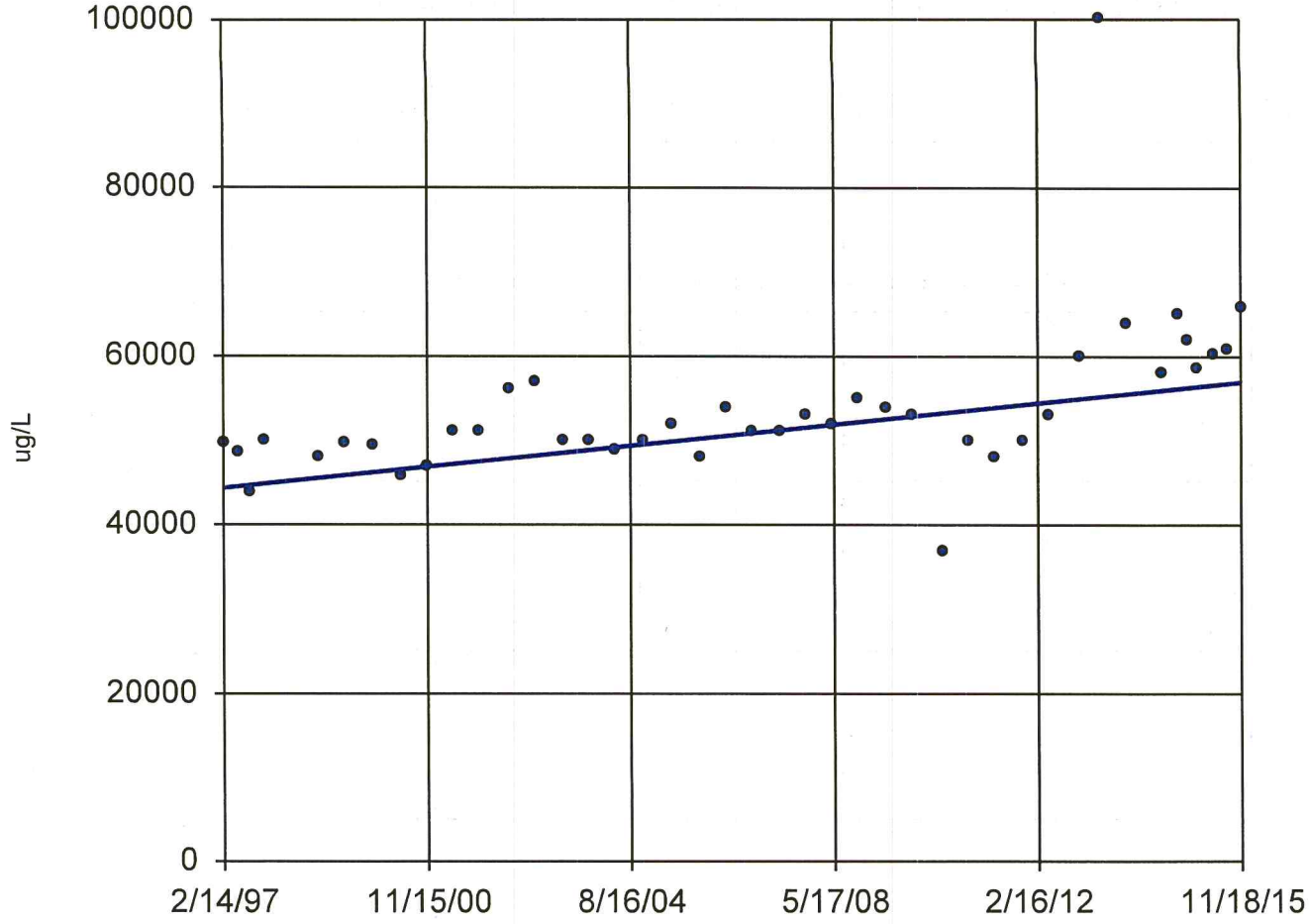
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Total Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 674.8 units per year.

Mann-Kendall normal approx. = 4.845
critical = 2.33

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

Constituent: Magnesium Total Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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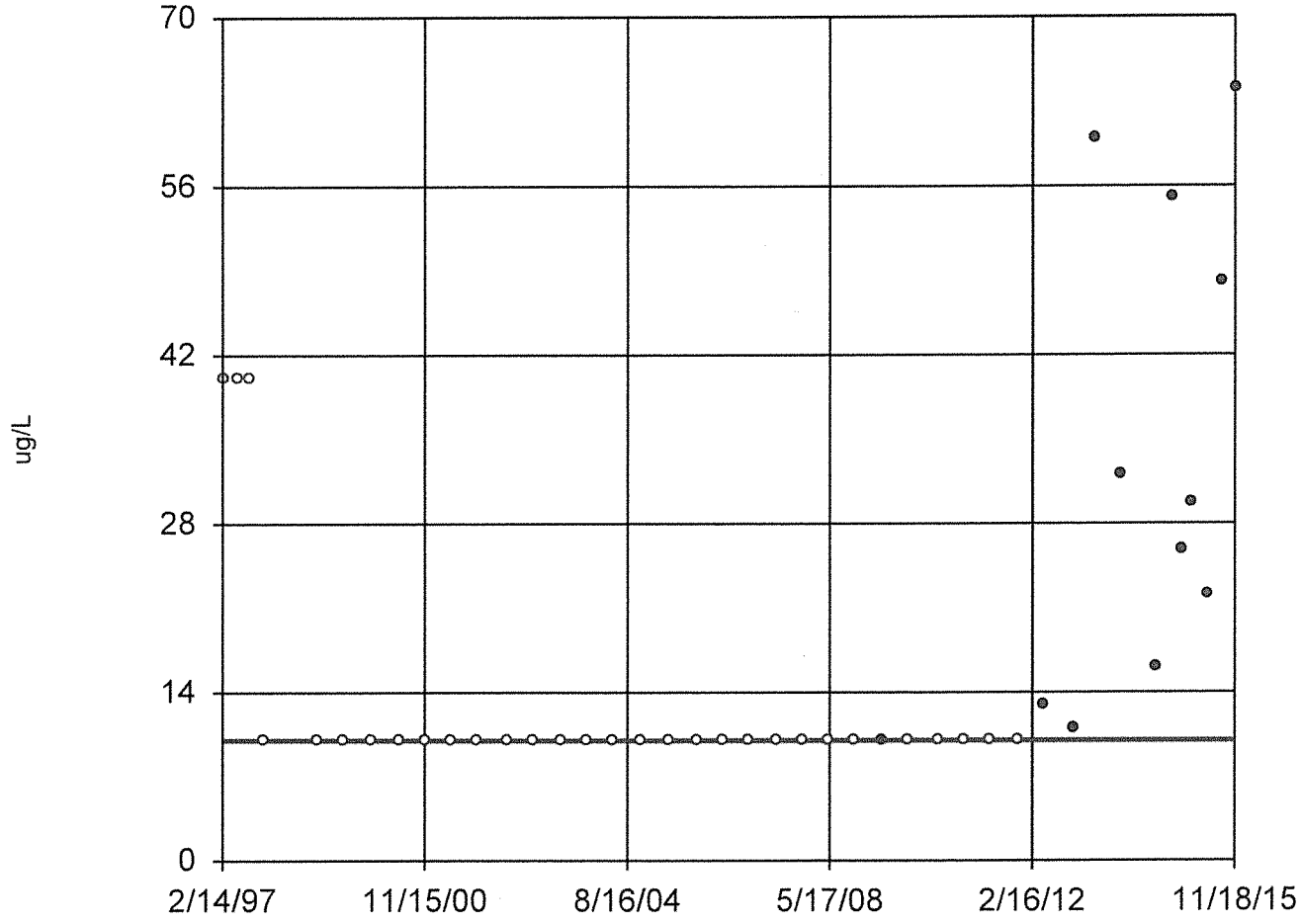
Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 0
units per year.

Mann-Kendall
normal approx. =
3.021
critical = 2.33

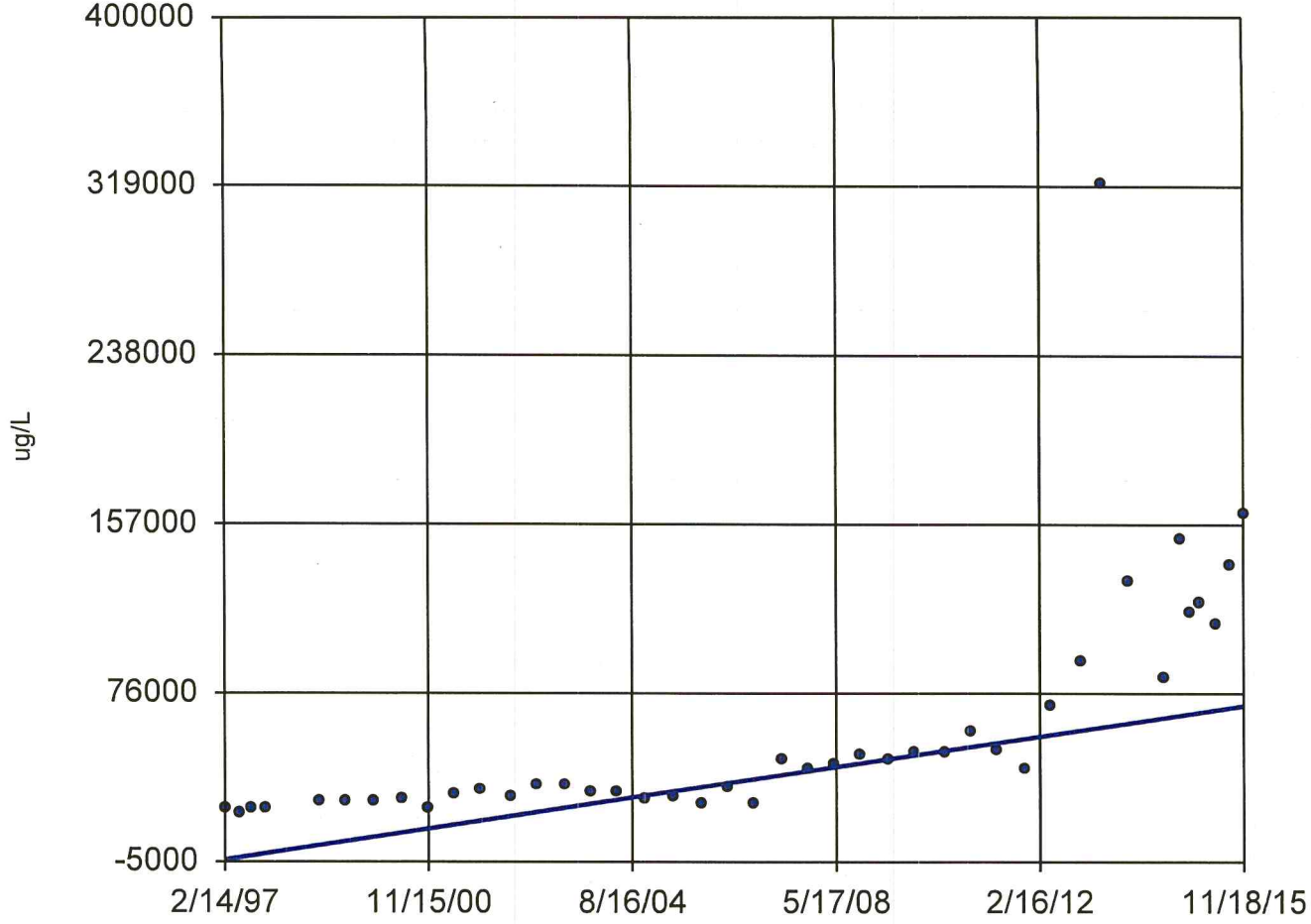
Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Nickel Total Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 3957 units per year.

Mann-Kendall normal approx. = 7.275
critical = 2.33

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

Constituent: Sodium Total Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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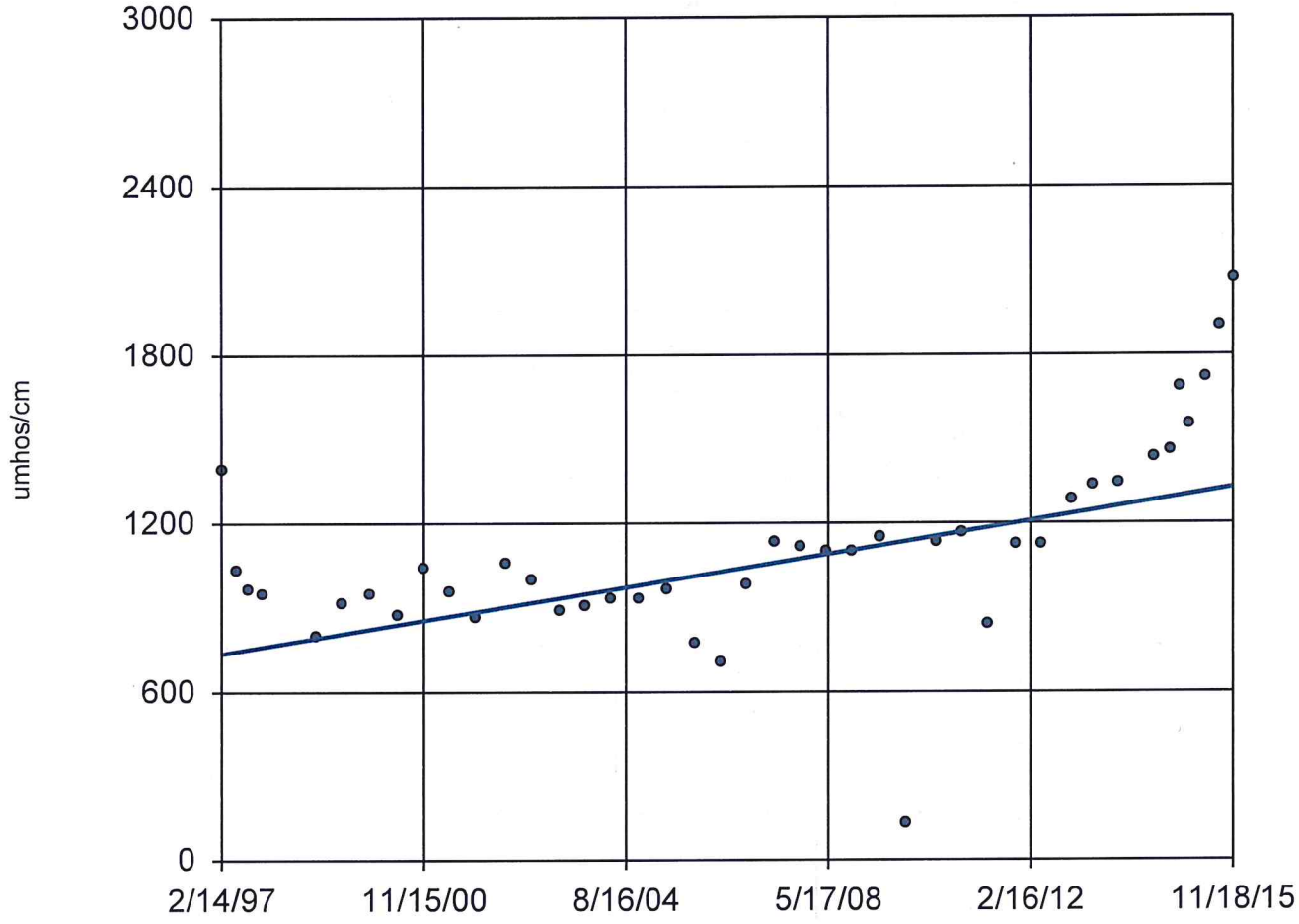
Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 31.35 units per year.

Mann-Kendall normal approx. = 4.823
critical = 2.33

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

Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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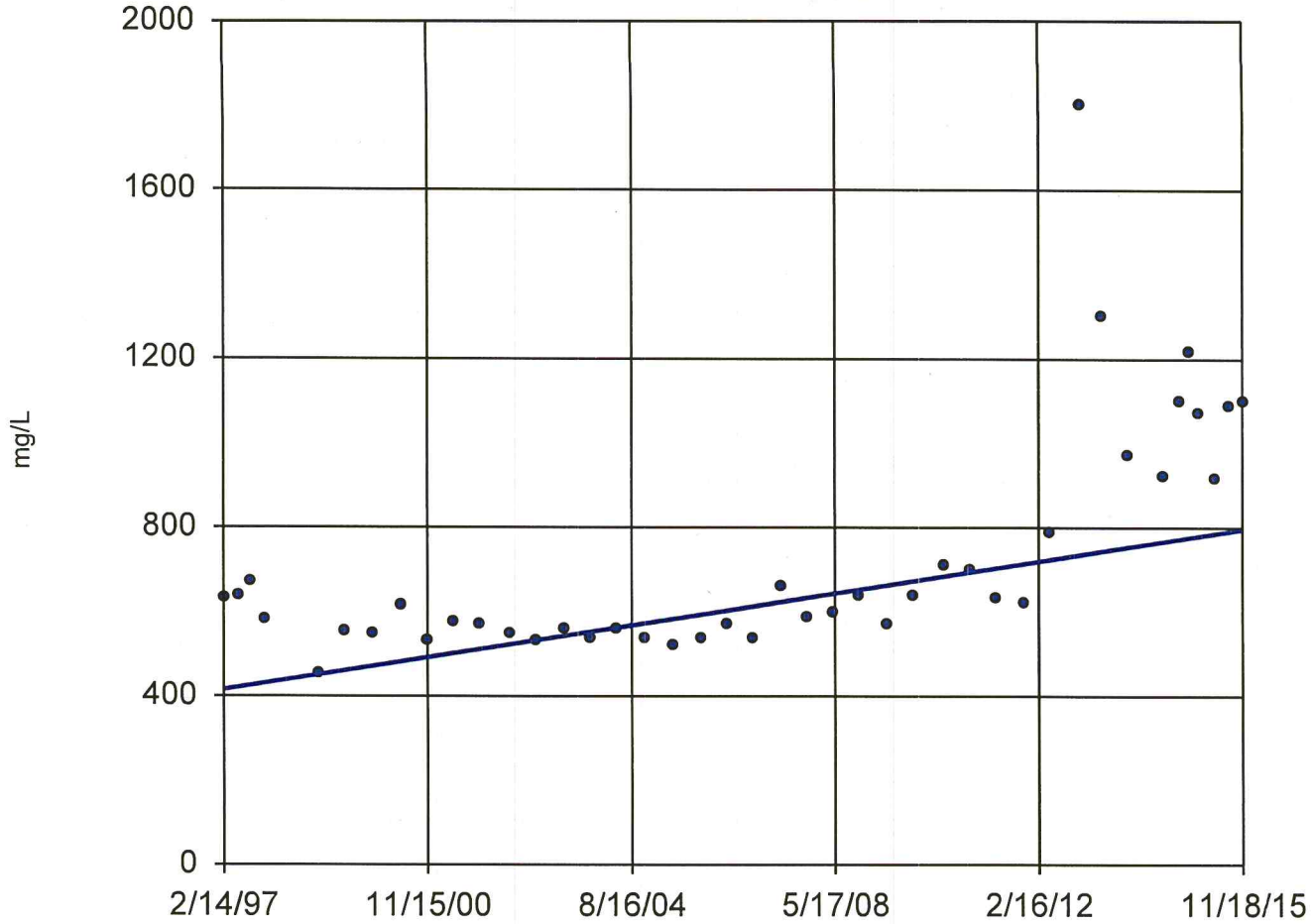
Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 20.28 units per year.

Mann-Kendall normal approx. = 4.61
critical = 2.33

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

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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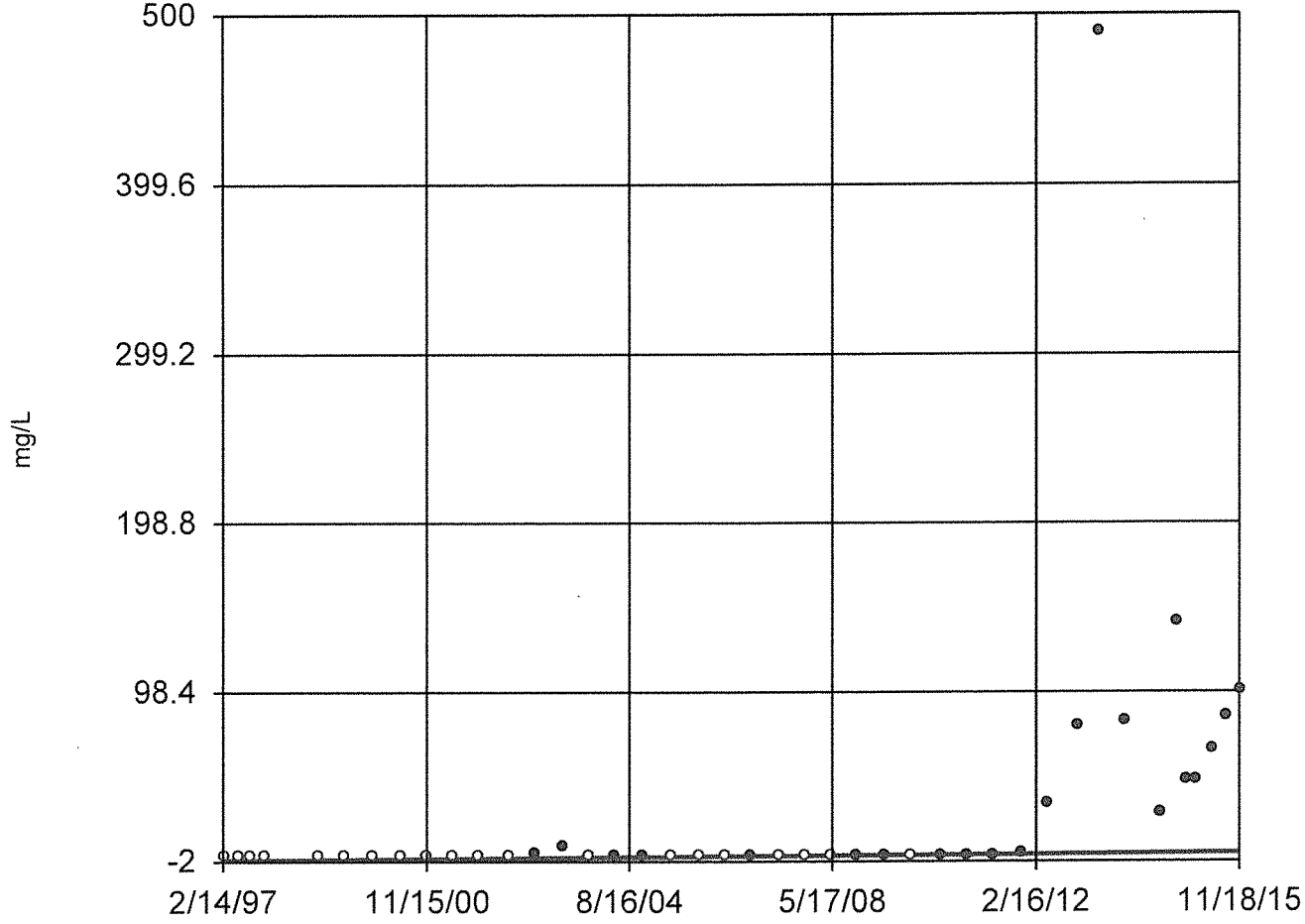
Hollow symbols indicate censored values.

Sen's Slope Estimator

104-SD (bg)



n = 42

Slope = 0.2262 units per year.

Mann-Kendall normal approx. = 5.807
critical = 2.33

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

Constituent: Total Organic Carbon [TOC] Analysis Run 1/7/2016 5:10 PM

Bridgeton LF Client: RSI Data: BRIDGETON

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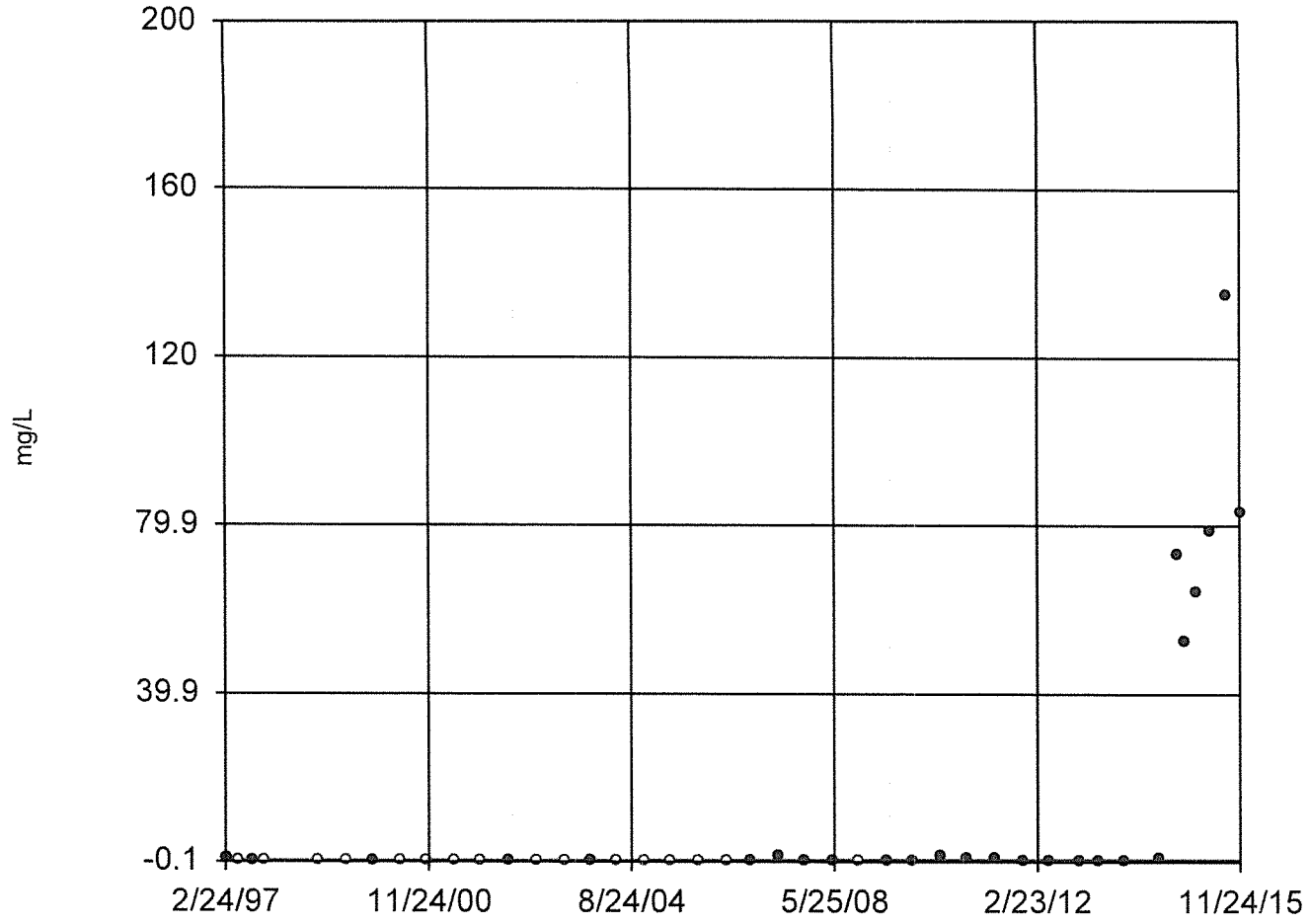
Hollow symbols indicate censored values.

Sen's Slope Estimator

106-SD (bg)



n = 42

Slope = 0.02252 units per year.

Mann-Kendall normal approx. = 5.532
critical = 2.33

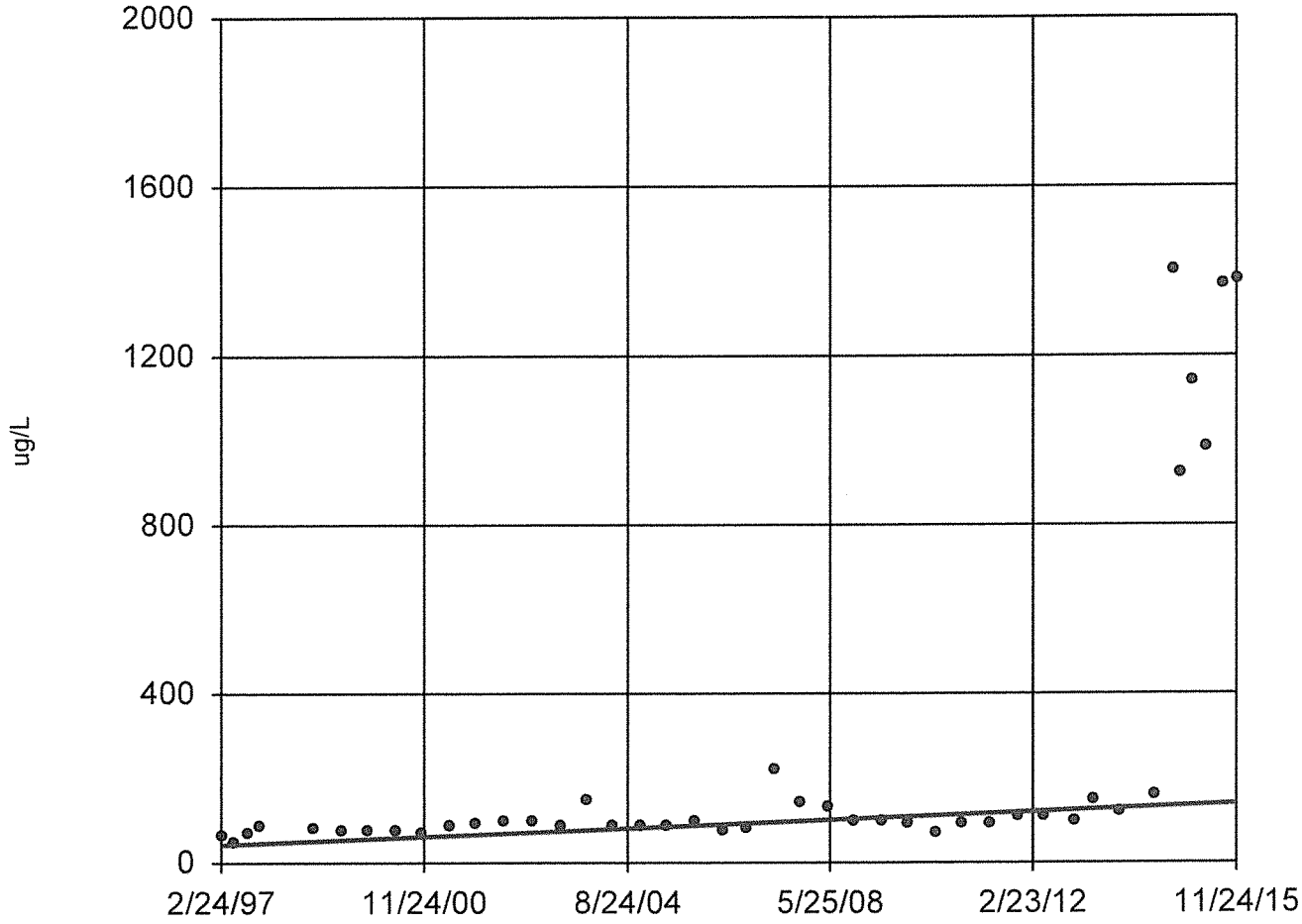
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Ammonia as N Analysis Run 1/7/2016 5:11 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

106-SD (bg)



n = 42

Slope = 5.186 units per year.

Mann-Kendall normal approx. = 5.758
critical = 2.33

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

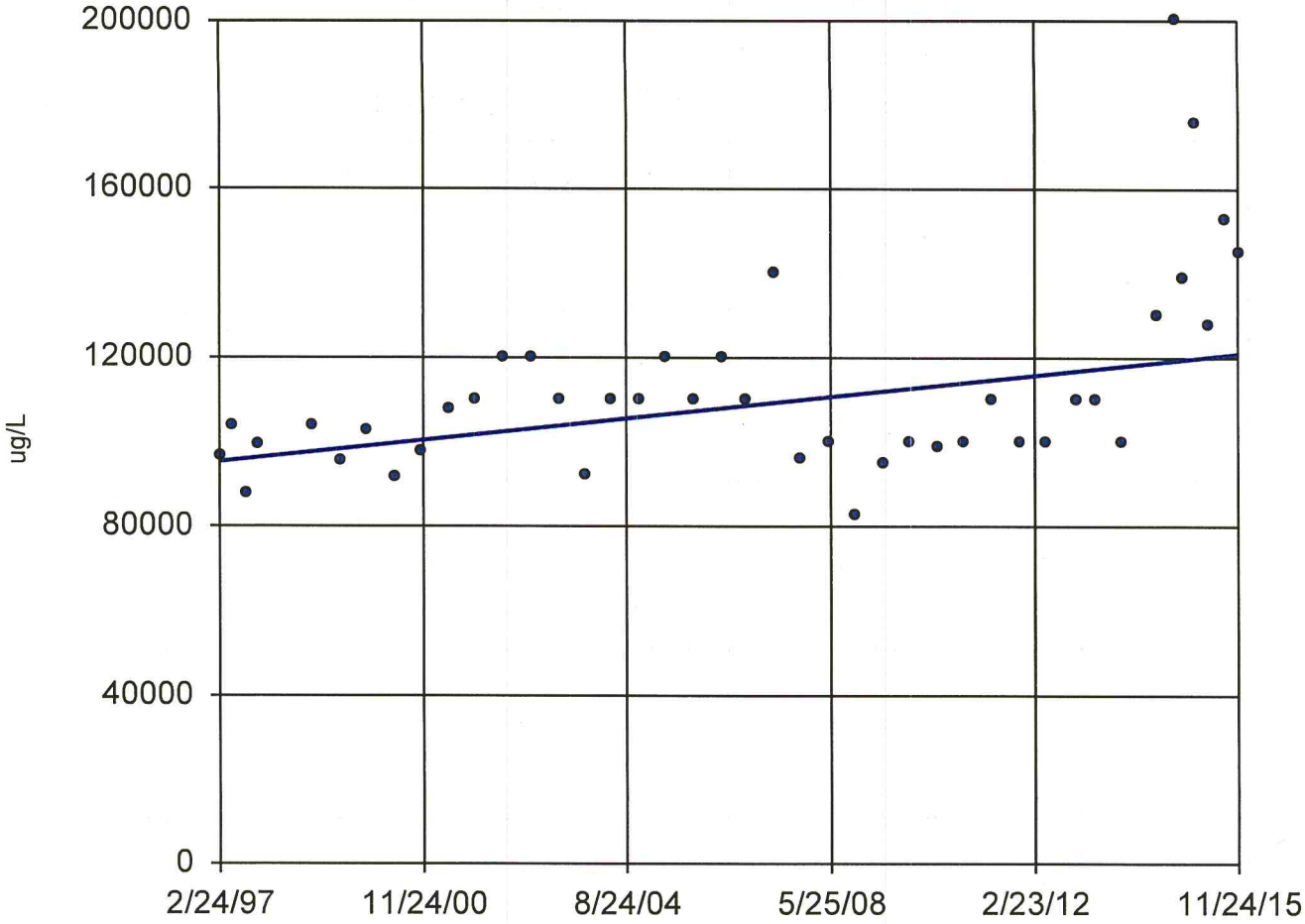
Constituent: Barium Total Analysis Run 1/7/2016 5:11 PM

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 = 42

Slope = 1369 units per year.

Mann-Kendall normal approx. = 3.32
critical = 2.33

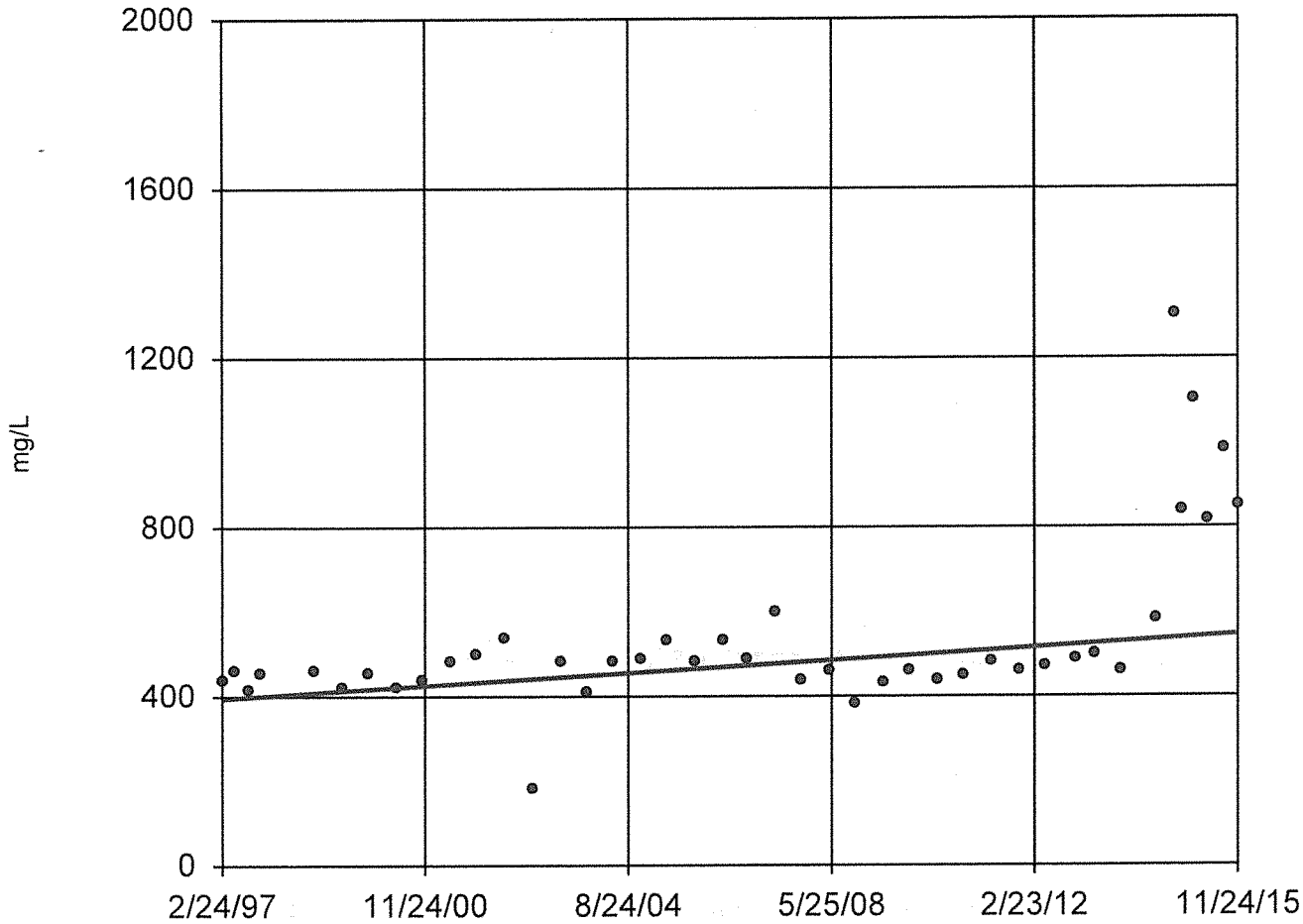
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Total Analysis Run 1/7/2016 5:11 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

106-SD (bg)



n = 42

Slope = 8.022 units per year.

Mann-Kendall normal approx. = 3.727
critical = 2.33

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

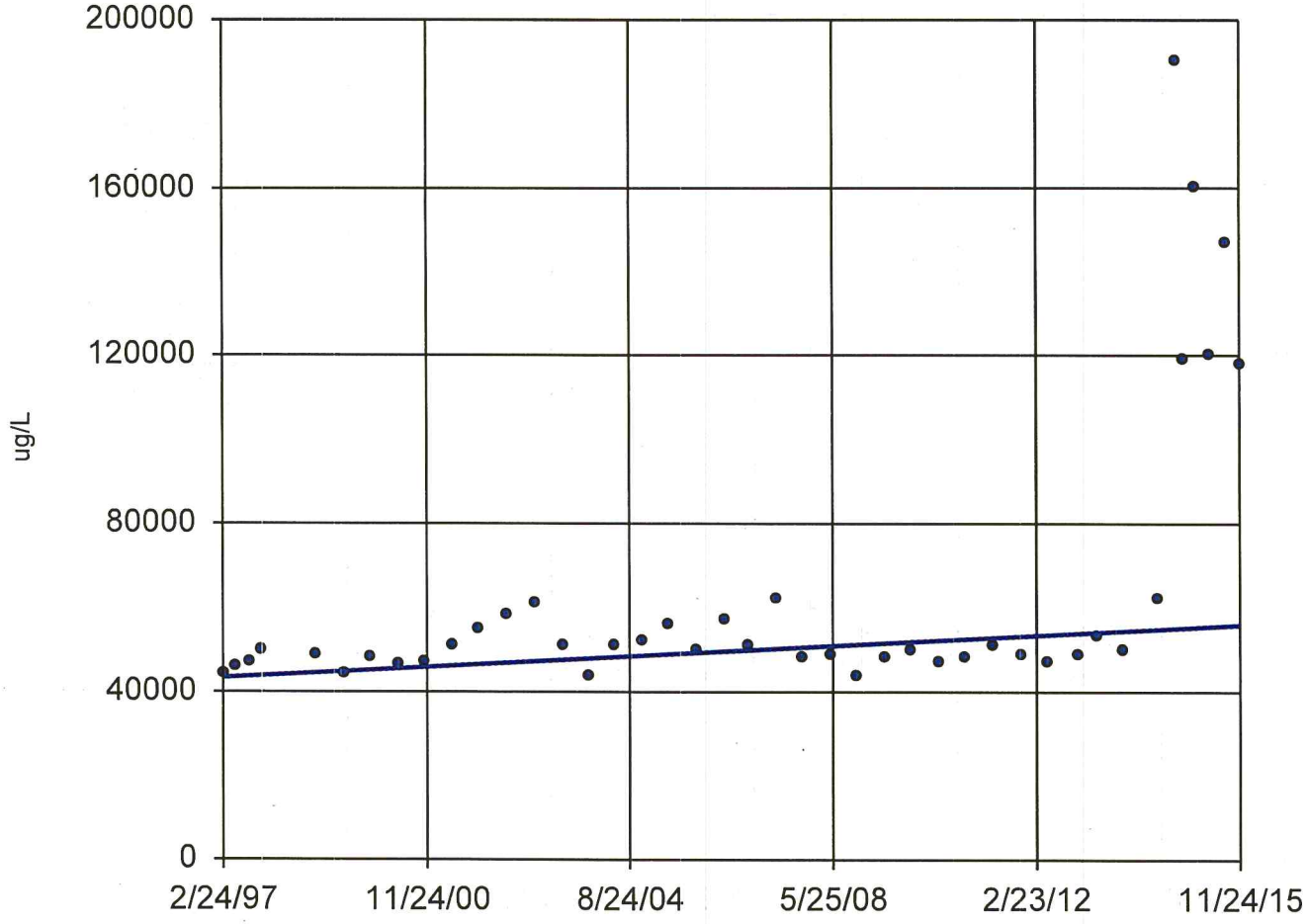
Constituent: Hardness Total Analysis Run 1/7/2016 5:11 PM

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 = 42

Slope = 669.3 units per year.

Mann-Kendall normal approx. = 3.42
critical = 2.33

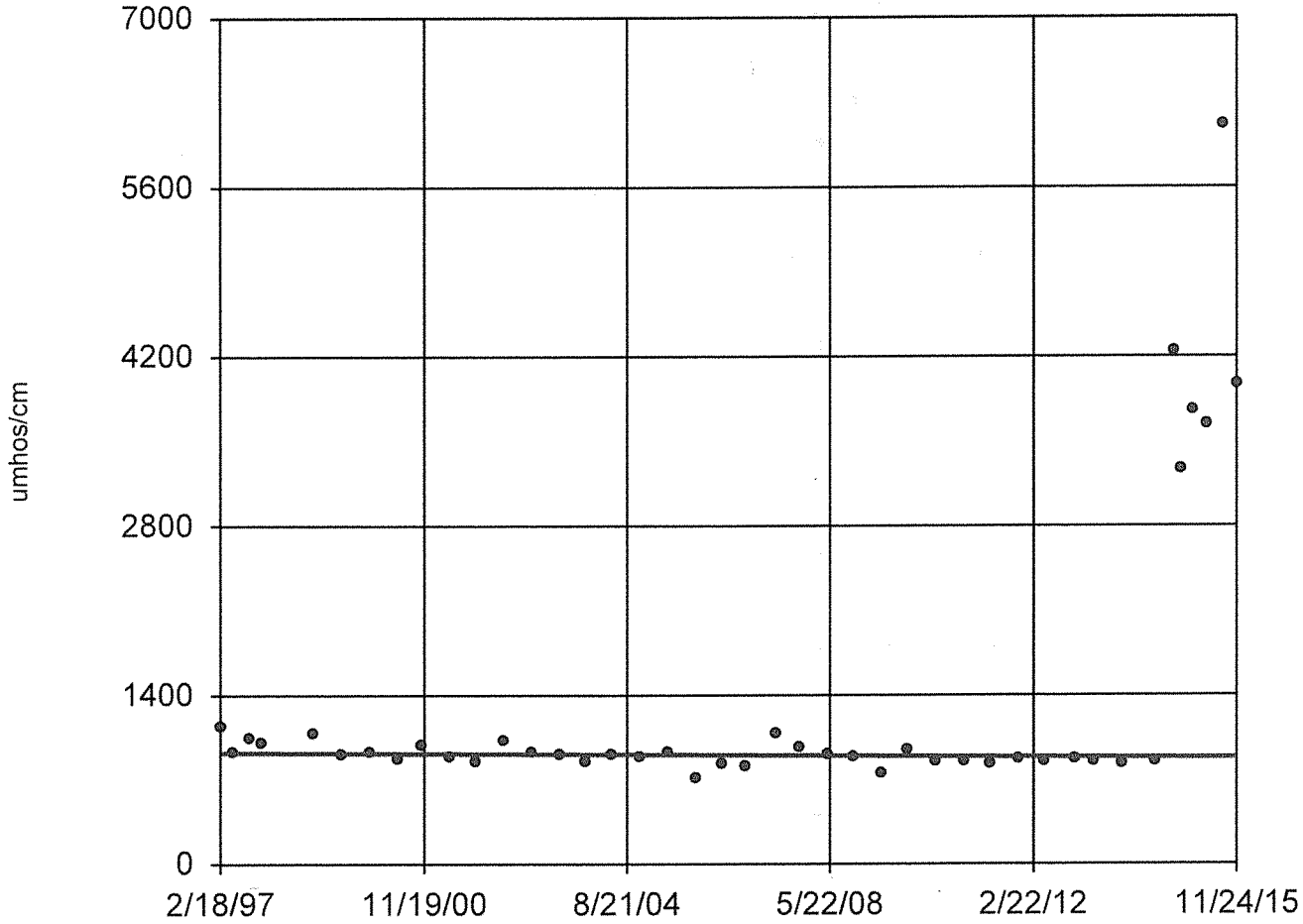
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Magnesium Total Analysis Run 1/7/2016 5:11 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

106-SD (bg)



n = 42

Slope = -2.425 units per year.

Mann-Kendall normal approx. = -0.6287
critical = -2.33

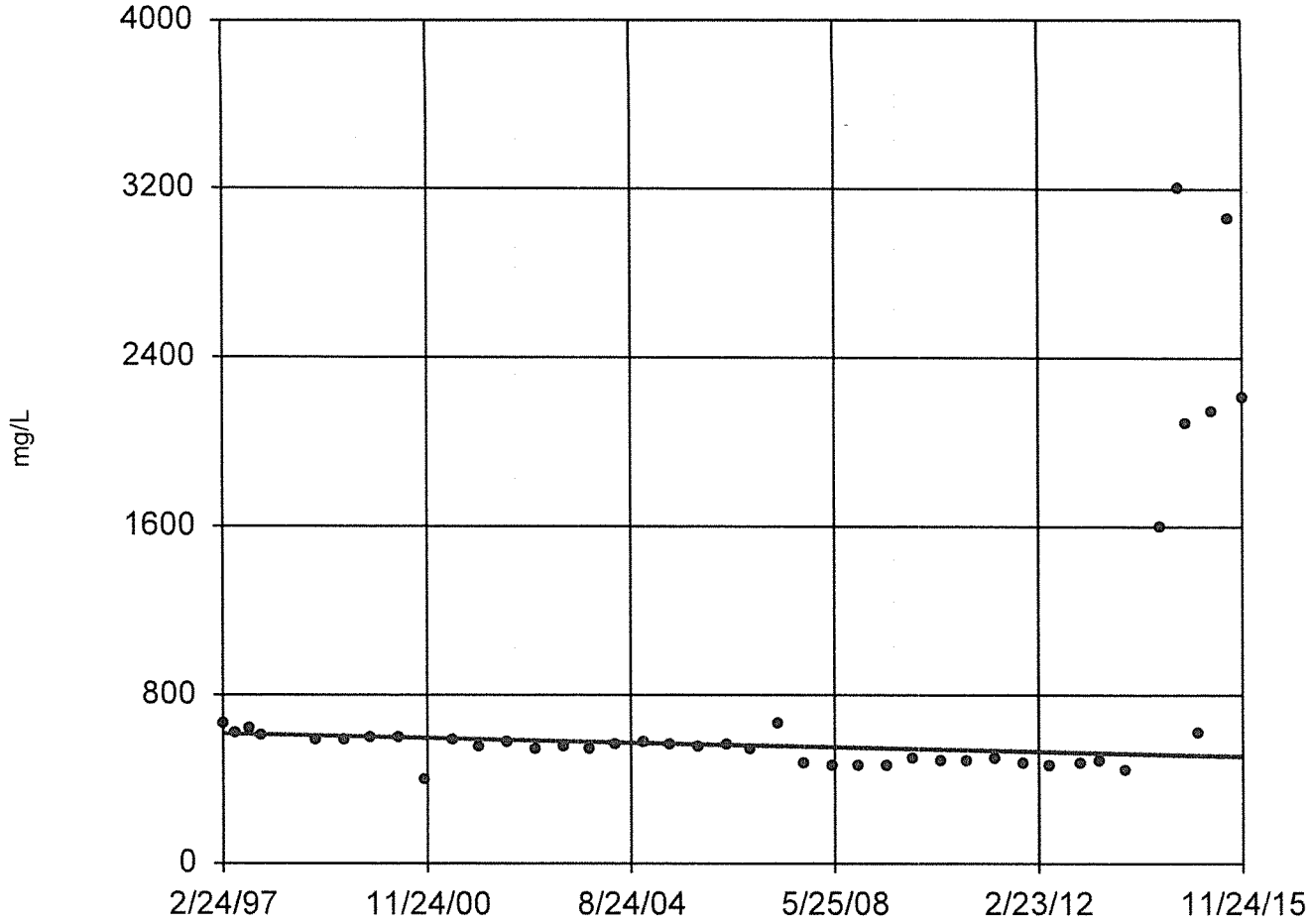
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Specific Conductance [Field] Analysis Run 1/7/2016 5:11 PM

Bridgeton LF Client: RSI Data: BRIDGETON

Sen's Slope Estimator

106-SD (bg)



n = 42

Slope = -5.73 units per year.

Mann-Kendall normal approx. = -1.27
critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/7/2016 5:11 PM

Bridgeton LF Client: RSI Data: BRIDGETON

TIME SERIES GRAPHS

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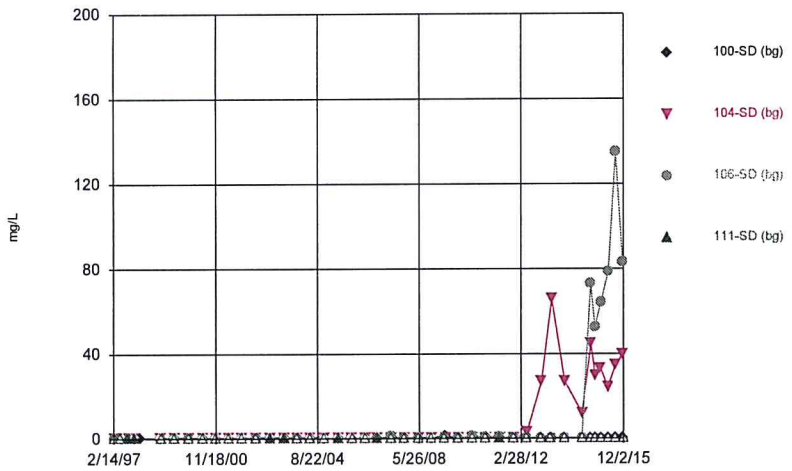
Hollow symbols indicate censored values.

Time Series



Constituent: Ammonia as N Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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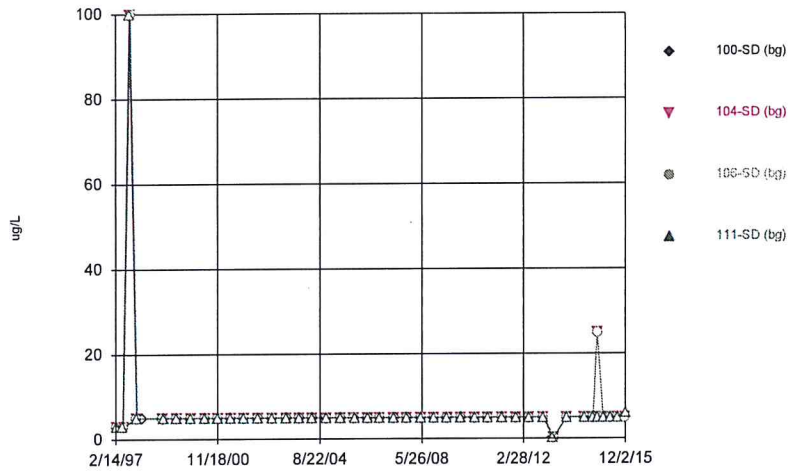
Hollow symbols indicate censored values.

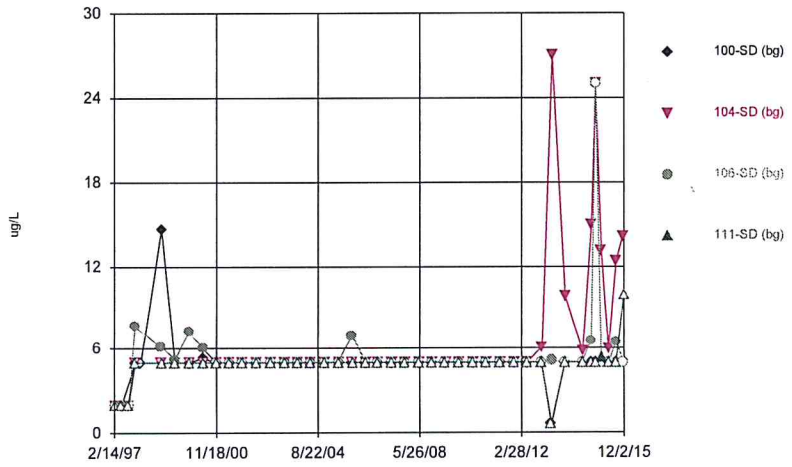
Time Series



Constituent: Antimony Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

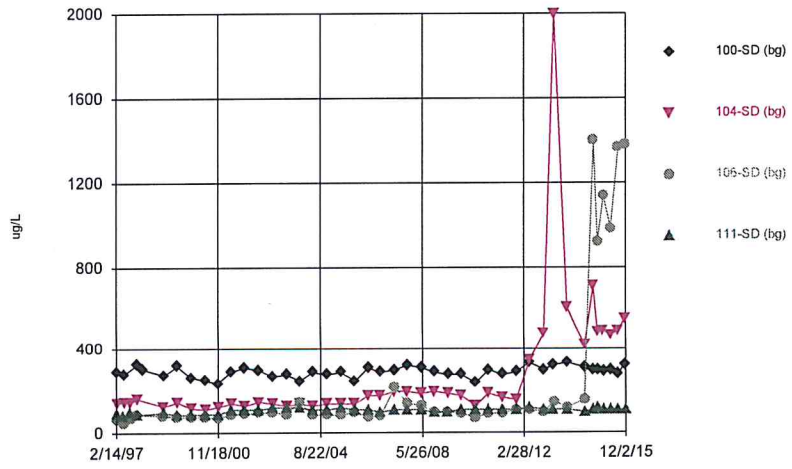
Time Series



Constituent: Arsenic Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

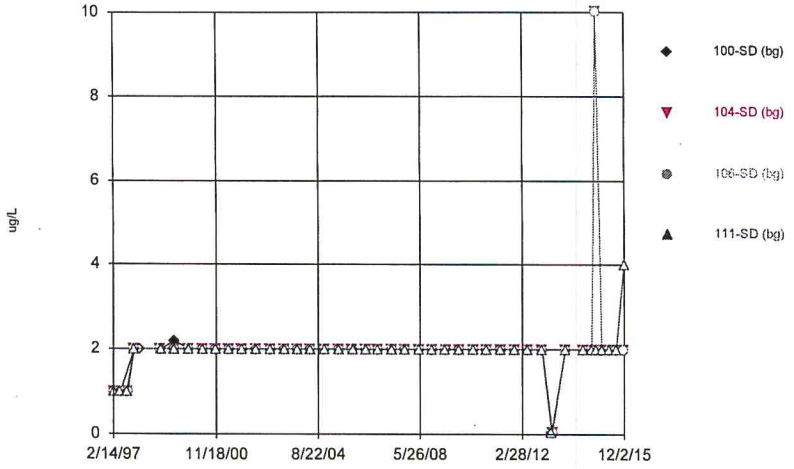
Time Series



Constituent: Barium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

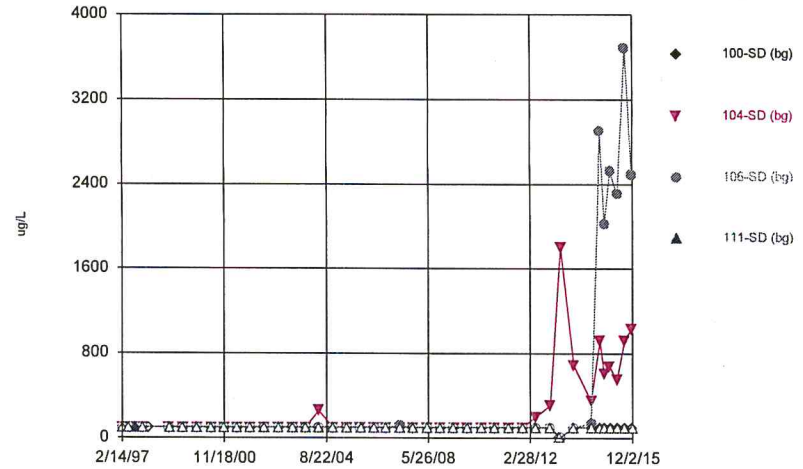
Time Series



Constituent: Beryllium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

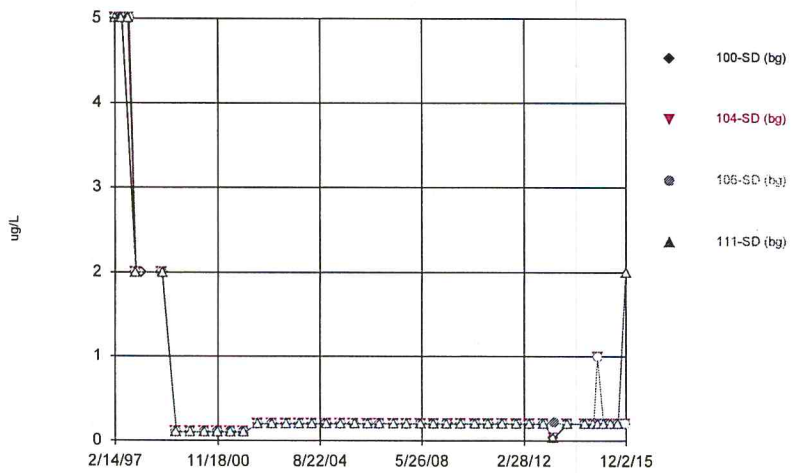
Time Series



Constituent: Boron Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cadmium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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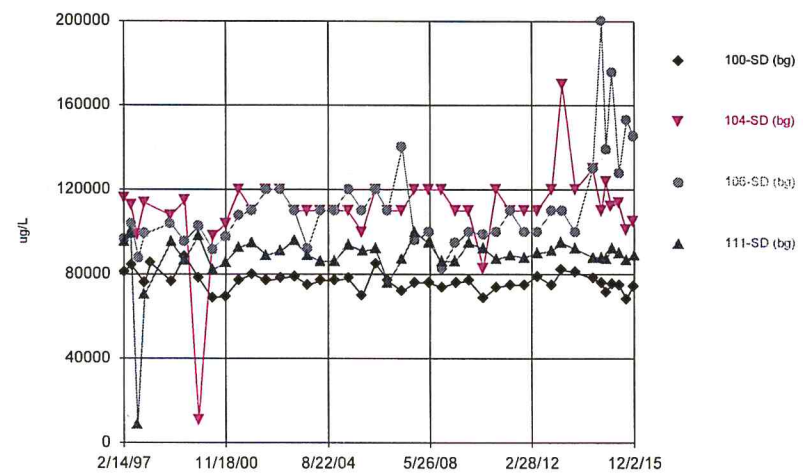
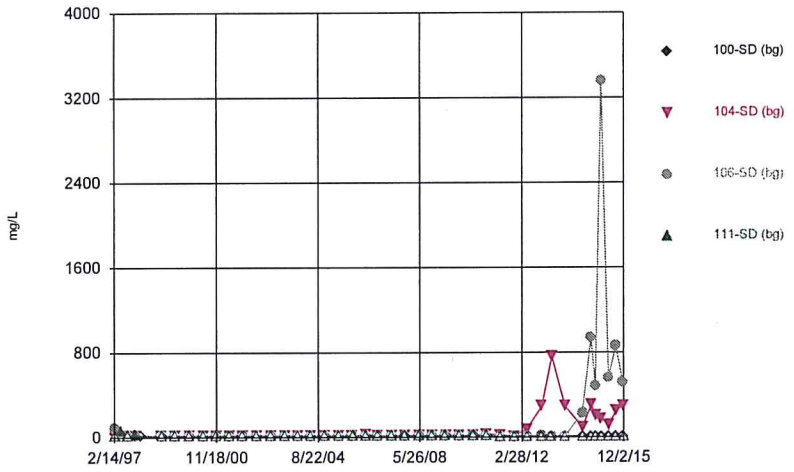
Time Series



Constituent: Calcium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

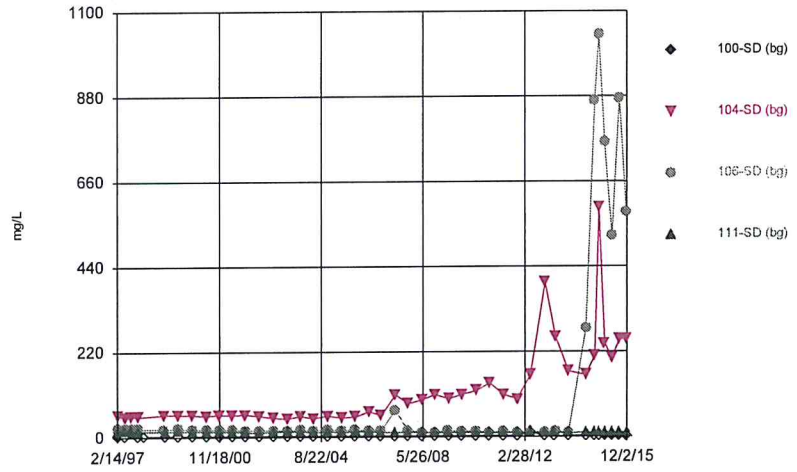
Time Series



Constituent: Chemical Oxygen Demand [COD] Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

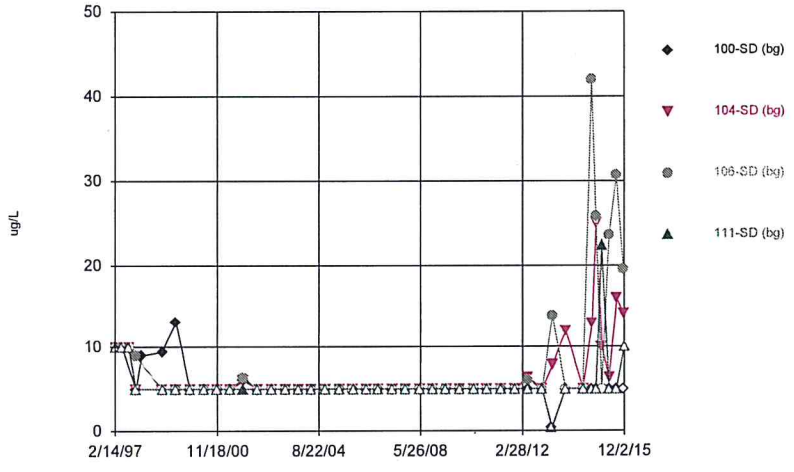
Time Series



Constituent: Chloride Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

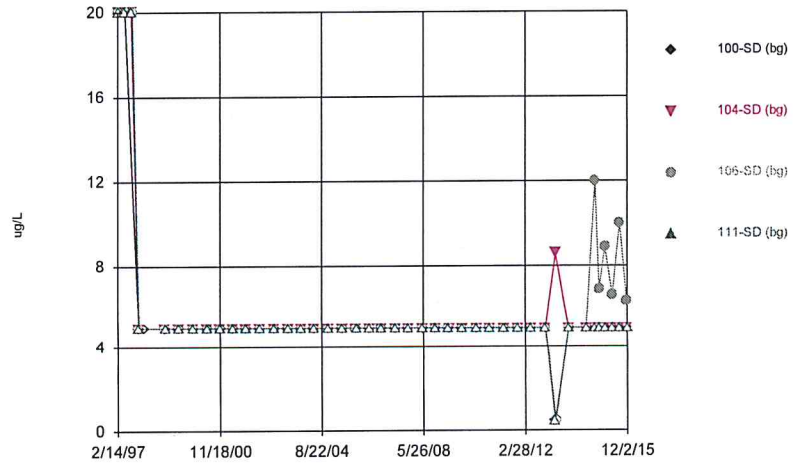
Time Series



Constituent: Chromium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

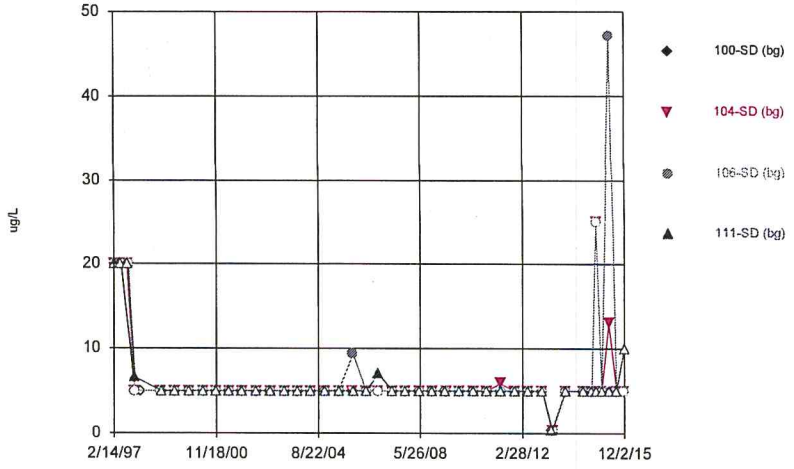
Time Series



Constituent: Cobalt Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

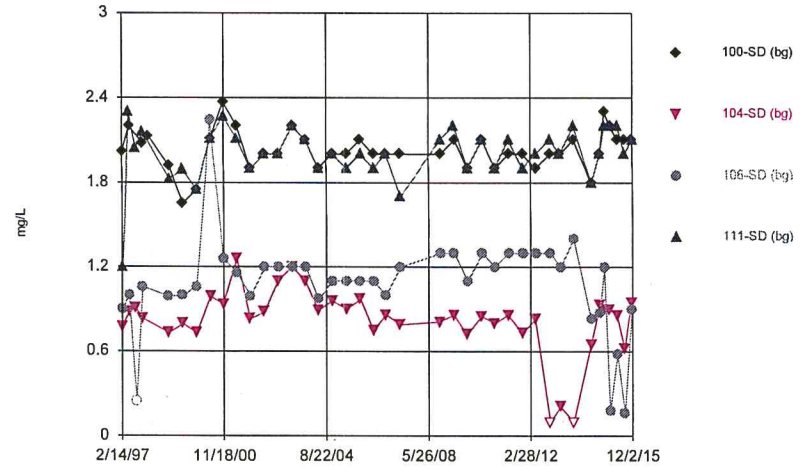
Time Series



Constituent: Copper Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

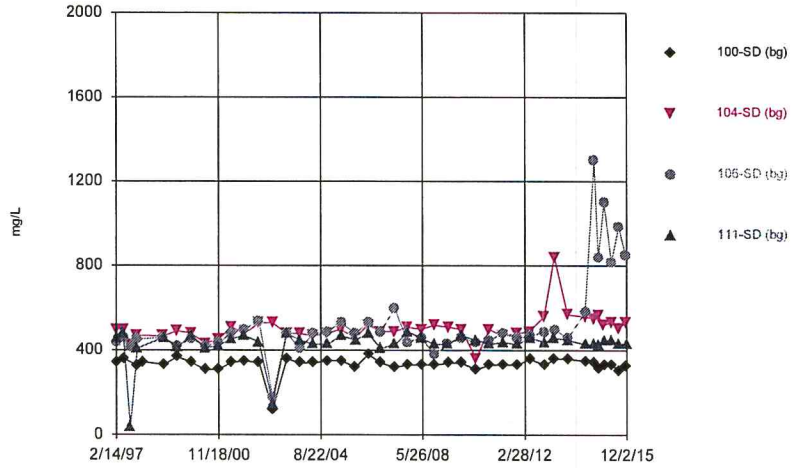
Time Series



Constituent: Fluoride Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

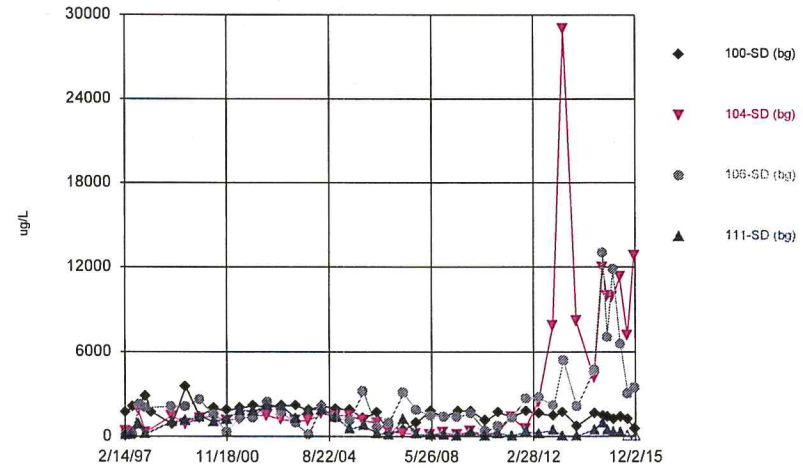
Time Series



Constituent: Hardness Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

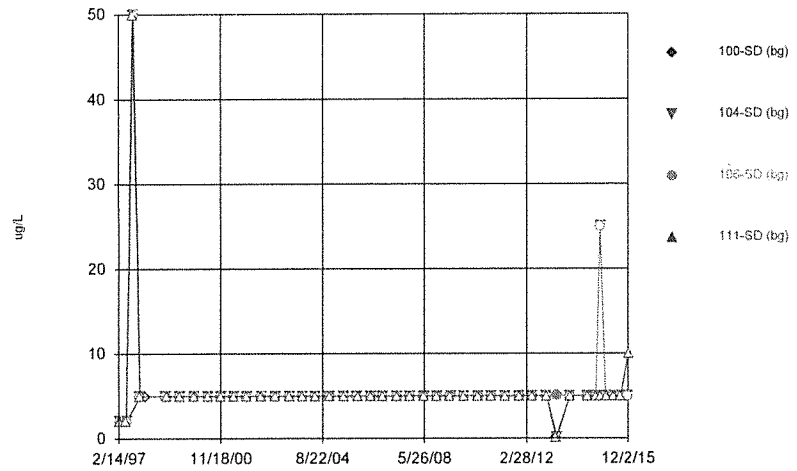
Time Series



Constituent: Iron Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

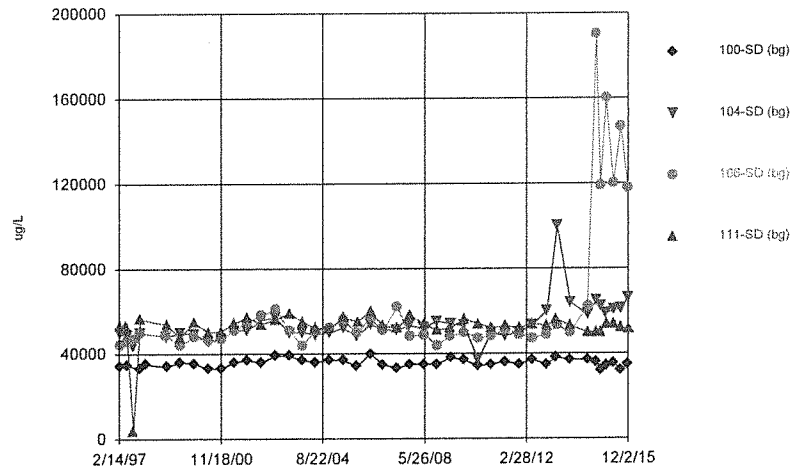
Time Series



Constituent: Lead Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

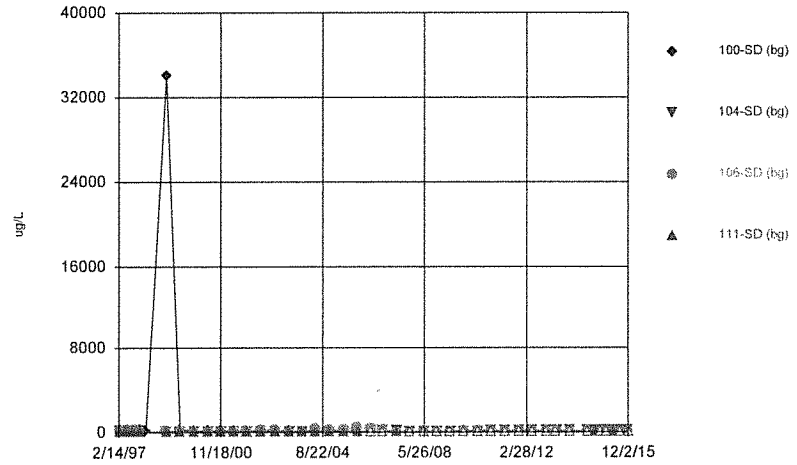
Time Series



Constituent: Magnesium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

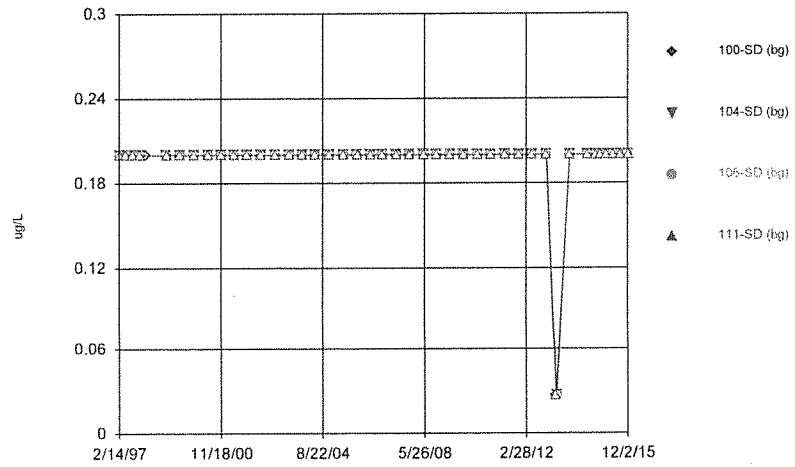
Time Series



Constituent: Manganese Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

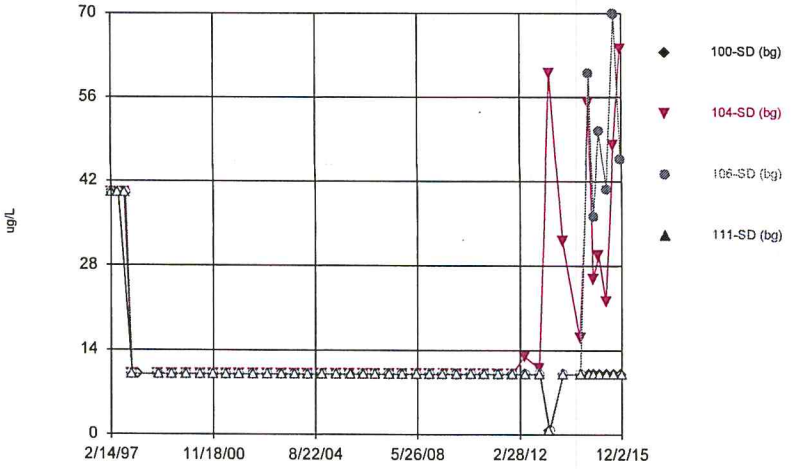
Time Series



Constituent: Mercury Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

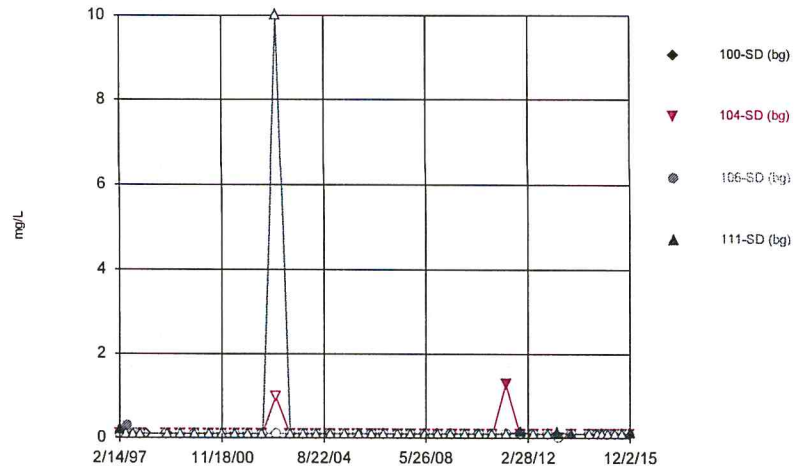
Time Series



Constituent: Nickel Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

Time Series



Constituent: Nitrate/Nitrite Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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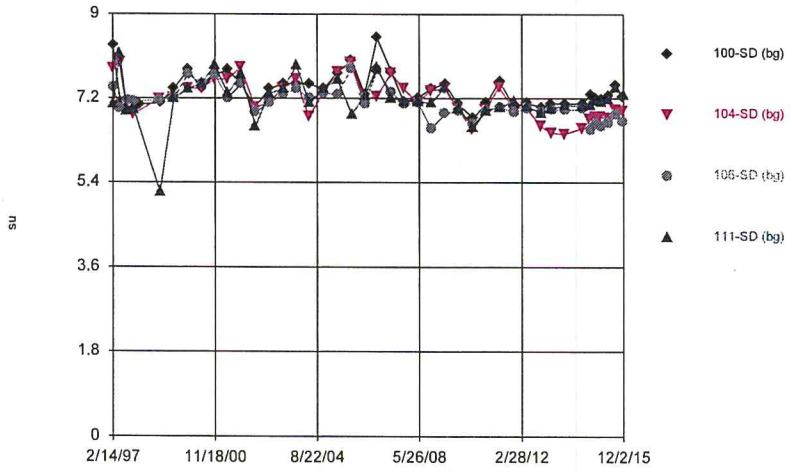
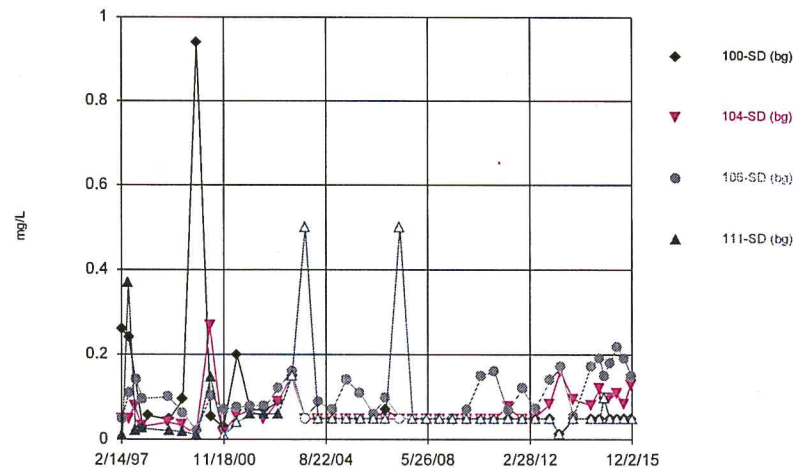
Time Series



Constituent: pH [Field] Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

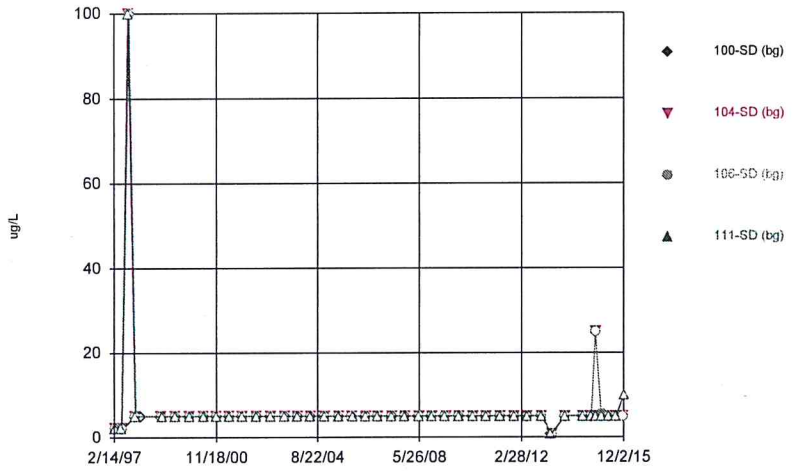
Time Series



Constituent: Phosphorus Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

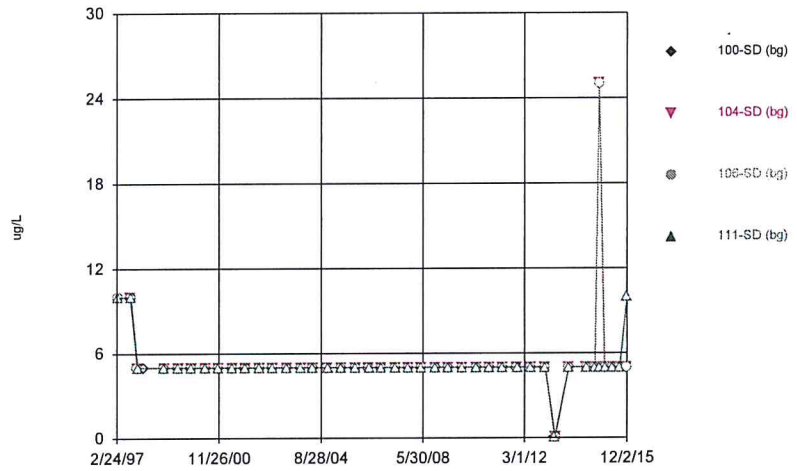
Time Series



Constituent: Selenium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.

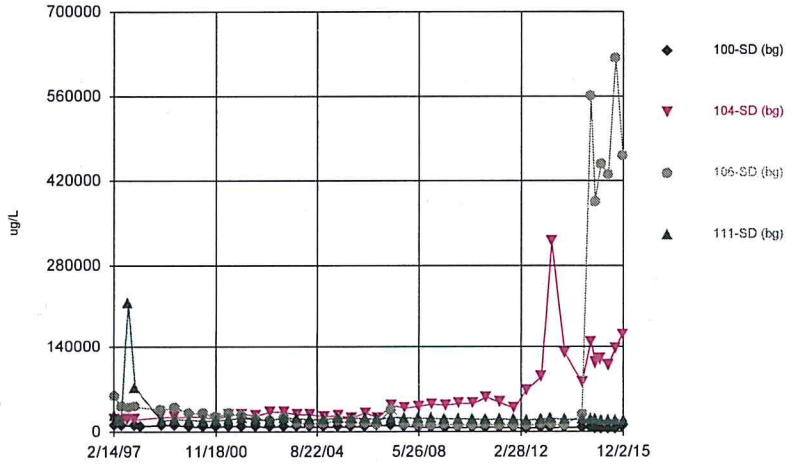
Time Series



Constituent: Silver Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

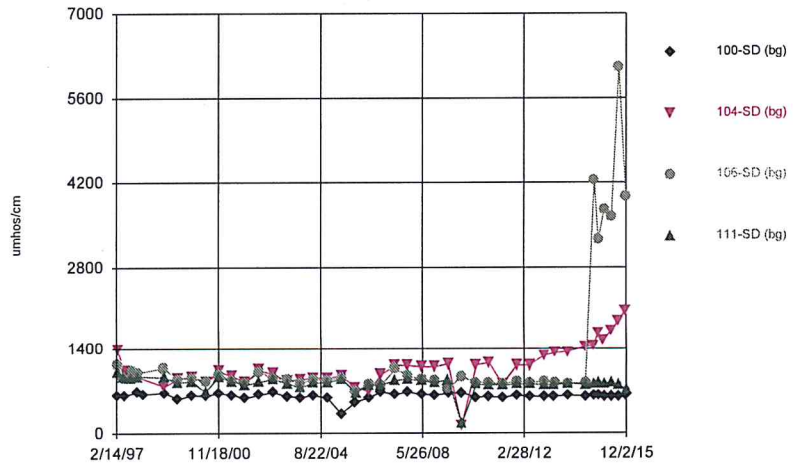
Time Series



Constituent: Sodium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting, UG

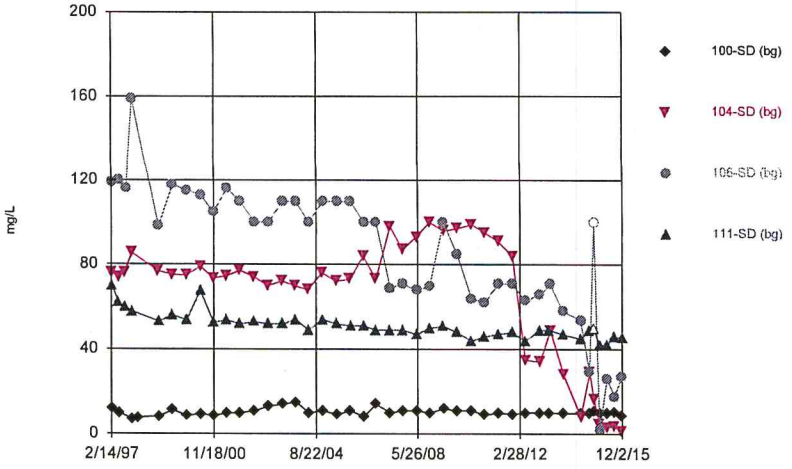
Time Series



Constituent: Specific Conductance [Field] Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

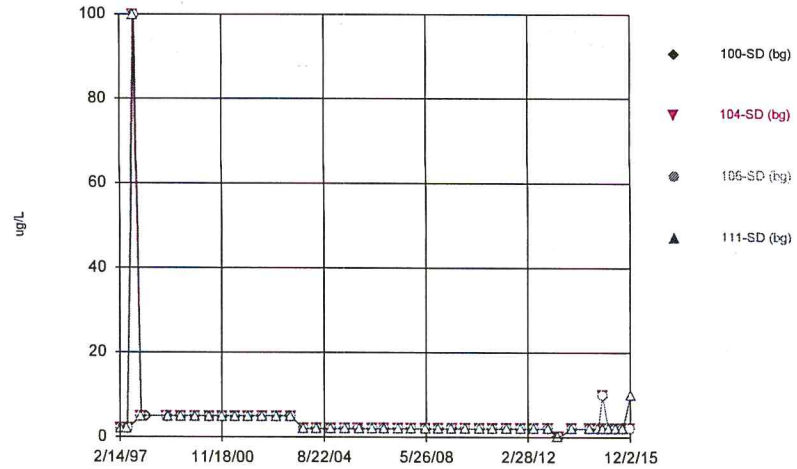
Time Series



Constituent: Sulfate as SO4 Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

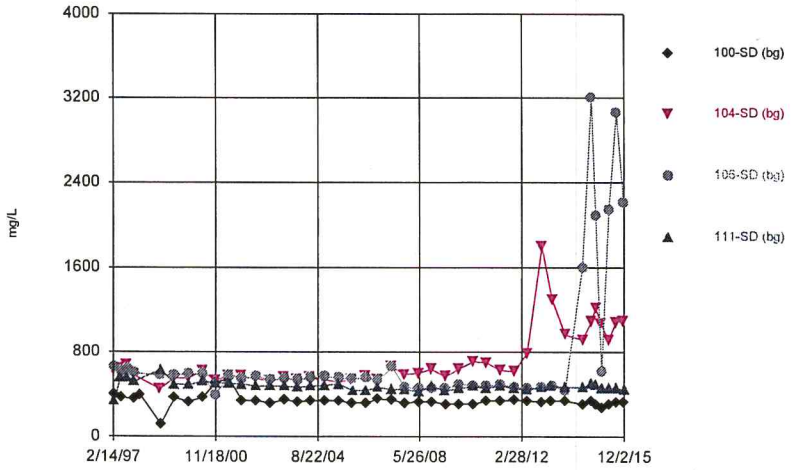
Time Series



Constituent: Thallium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG

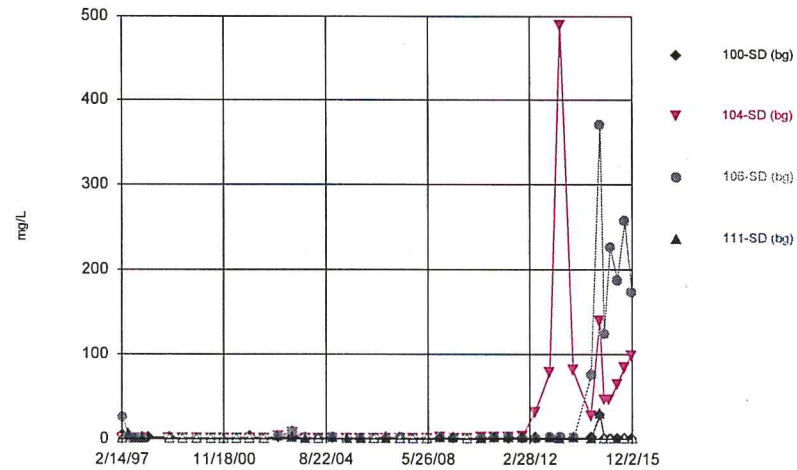
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting. UG
Hollow symbols indicate censored values.

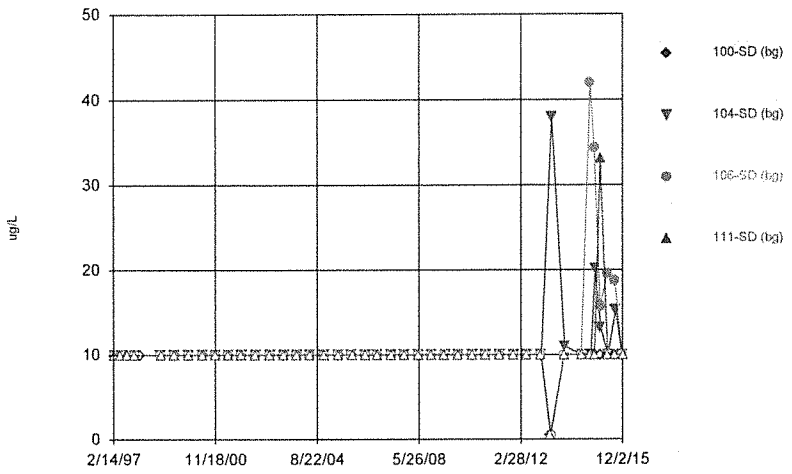
Time Series



Constituent: Total Organic Carbon [TOC] Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting UG
Hollow symbols indicate censored values.

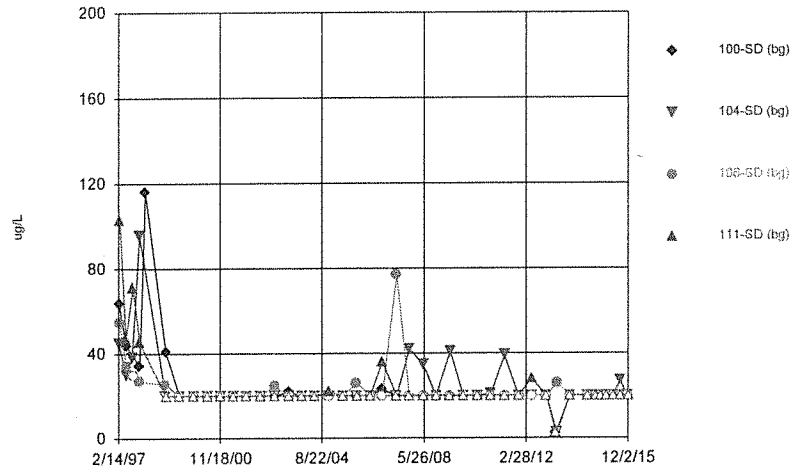
Time Series



Constituent: Vanadium Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

Sanitas™ v.9.5.21 Software licensed to Jett Environmental Consulting UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Total Analysis Run 1/22/2016 10:58 AM
Bridgeton LF Client: RSI Data: BRIDGETON

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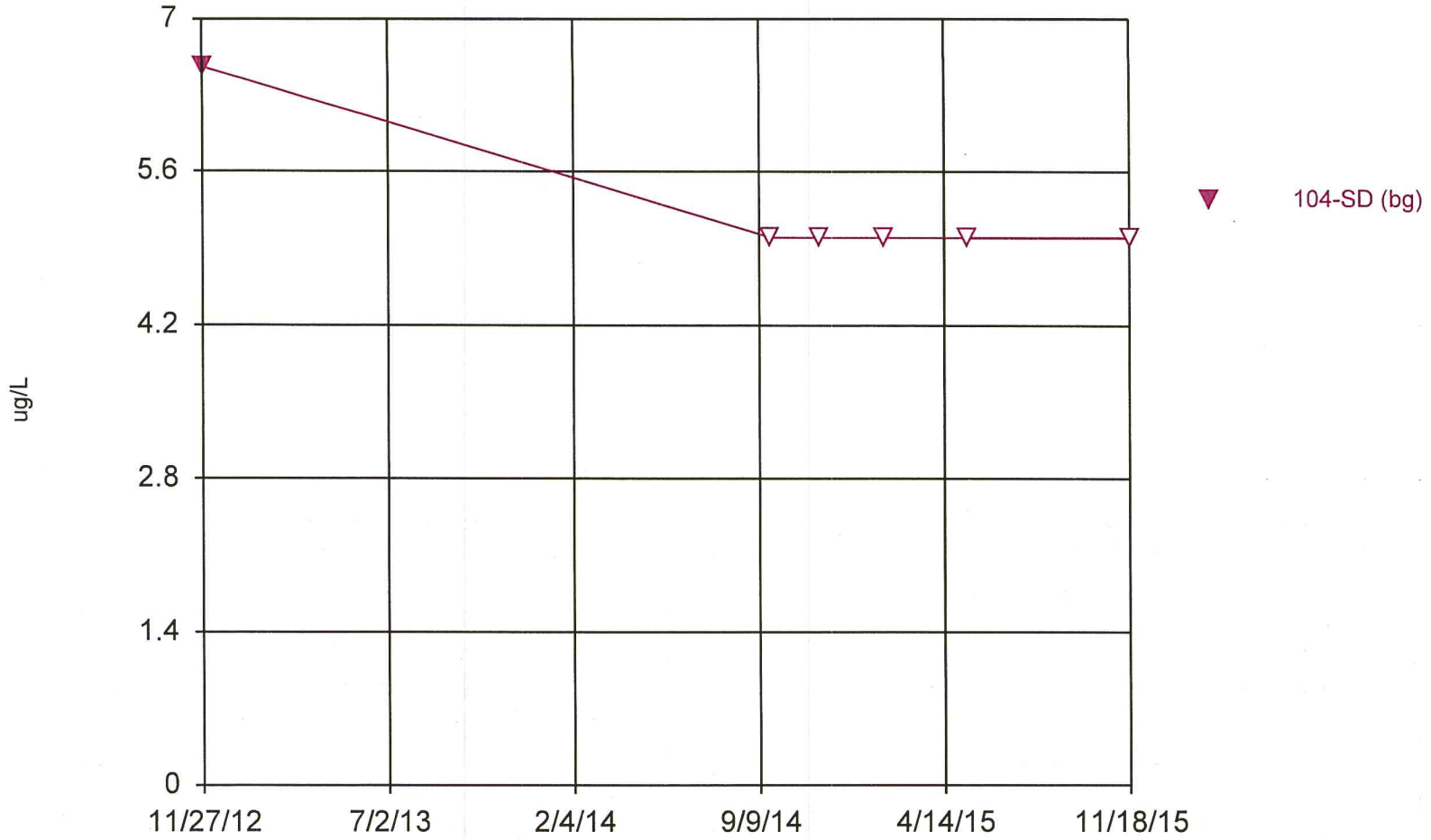
Hollow symbols indicate censored values.

Time Series

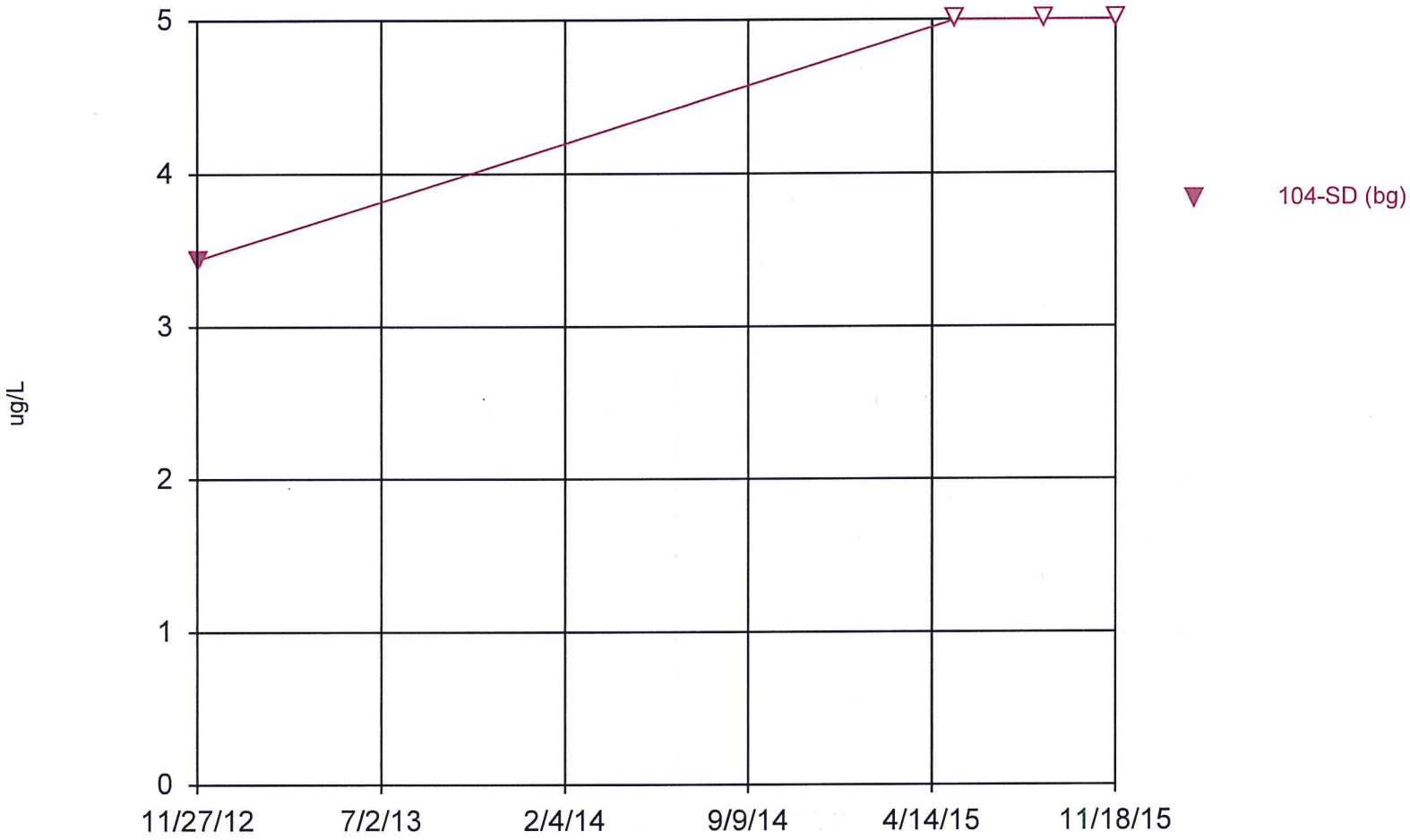


Constituent: 124-Trimethylbenzene Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

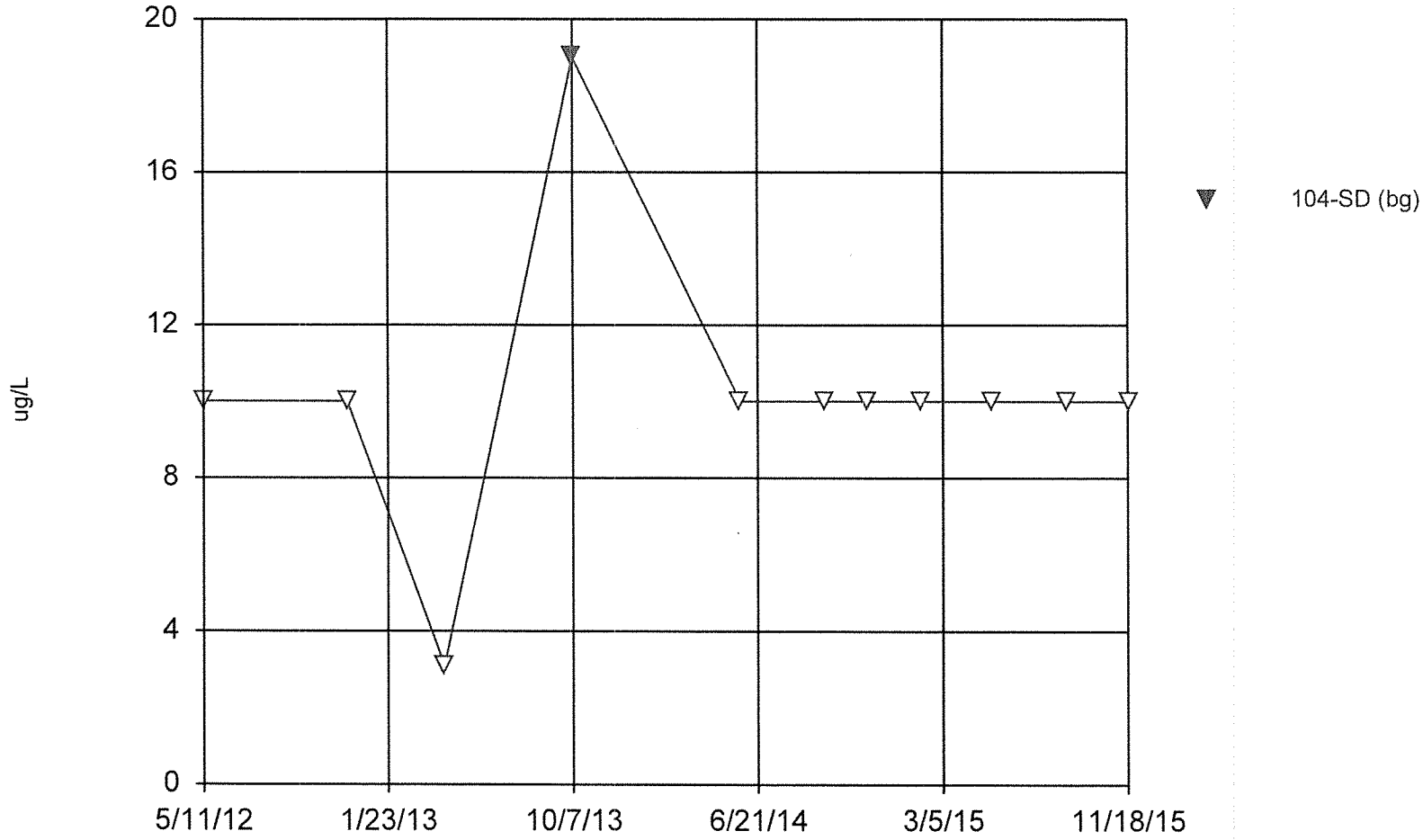


Constituent: 1-Chlorobutane Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

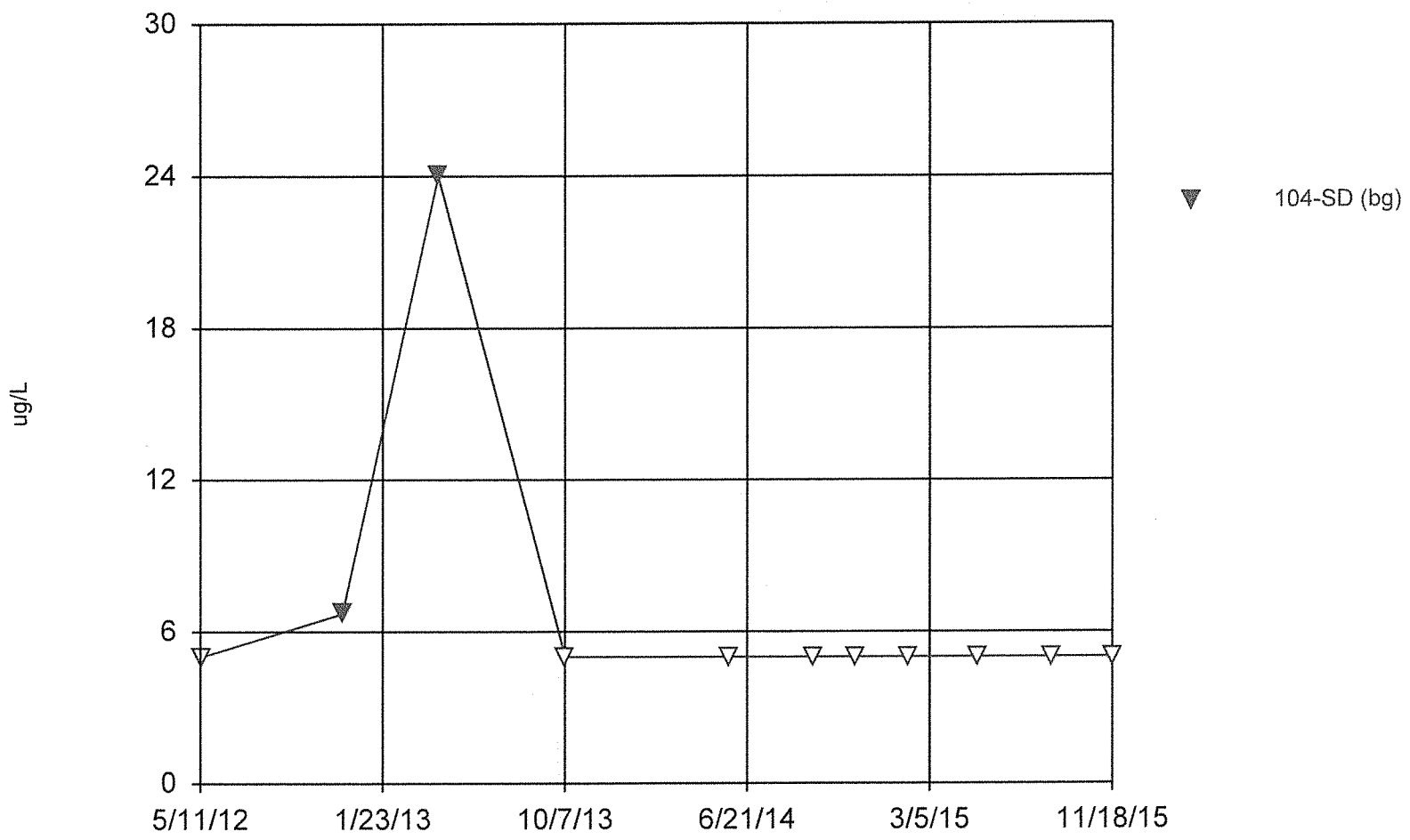


Constituent: 2-Hexanone Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

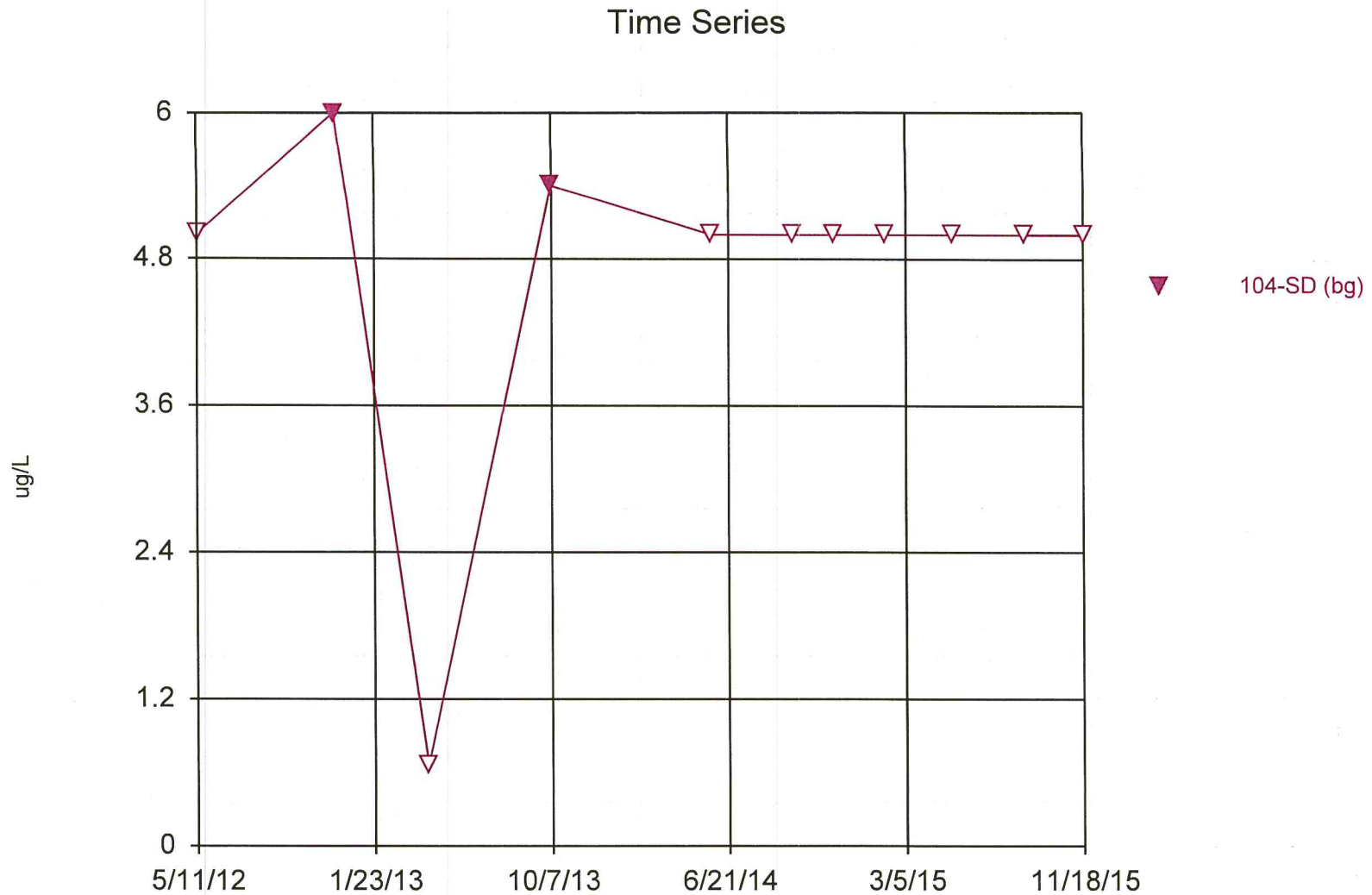
Time Series



Constituent: 12-Dichloroethane Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

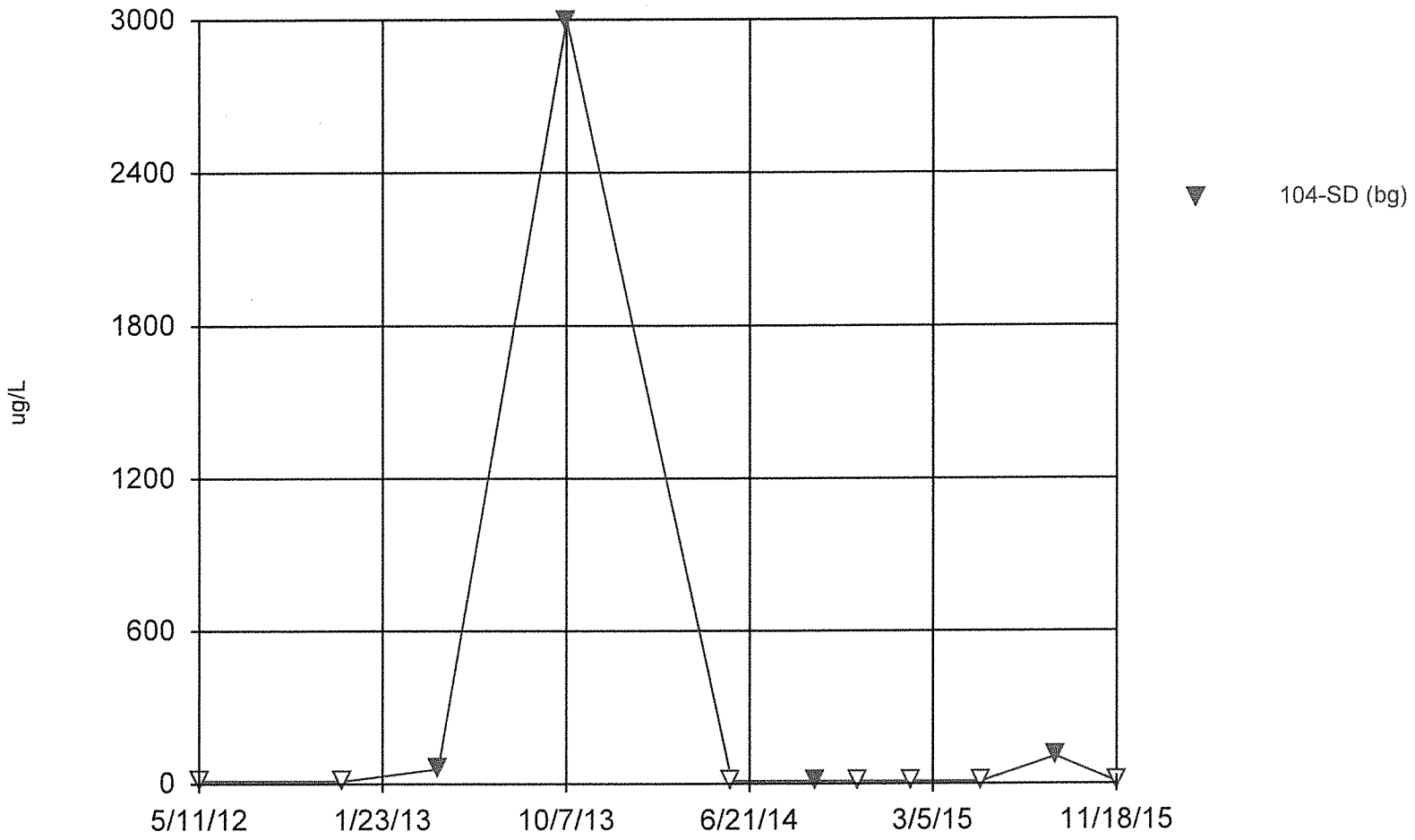


Constituent: 14-Dichlorobenzene Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

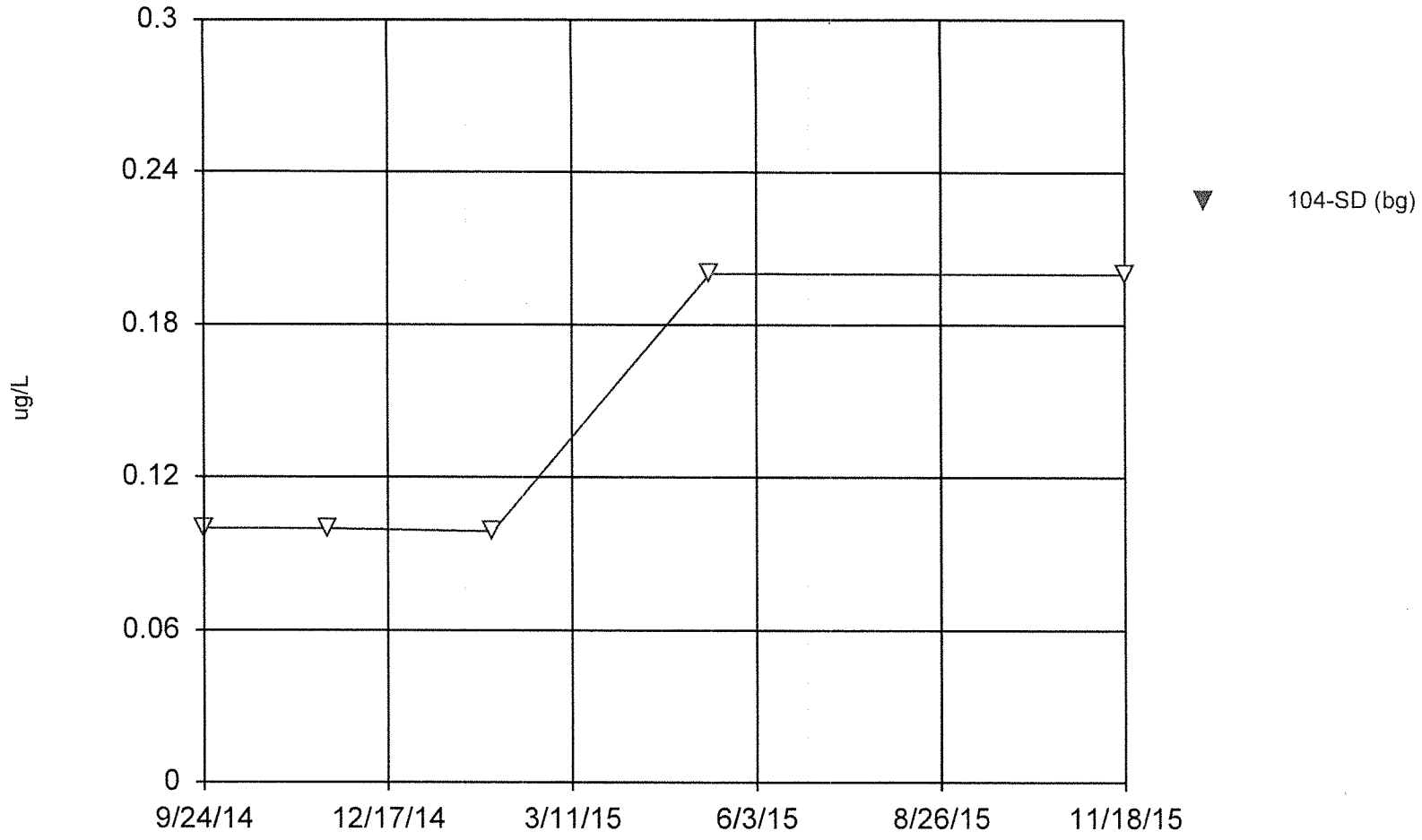


Constituent: Acetone Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

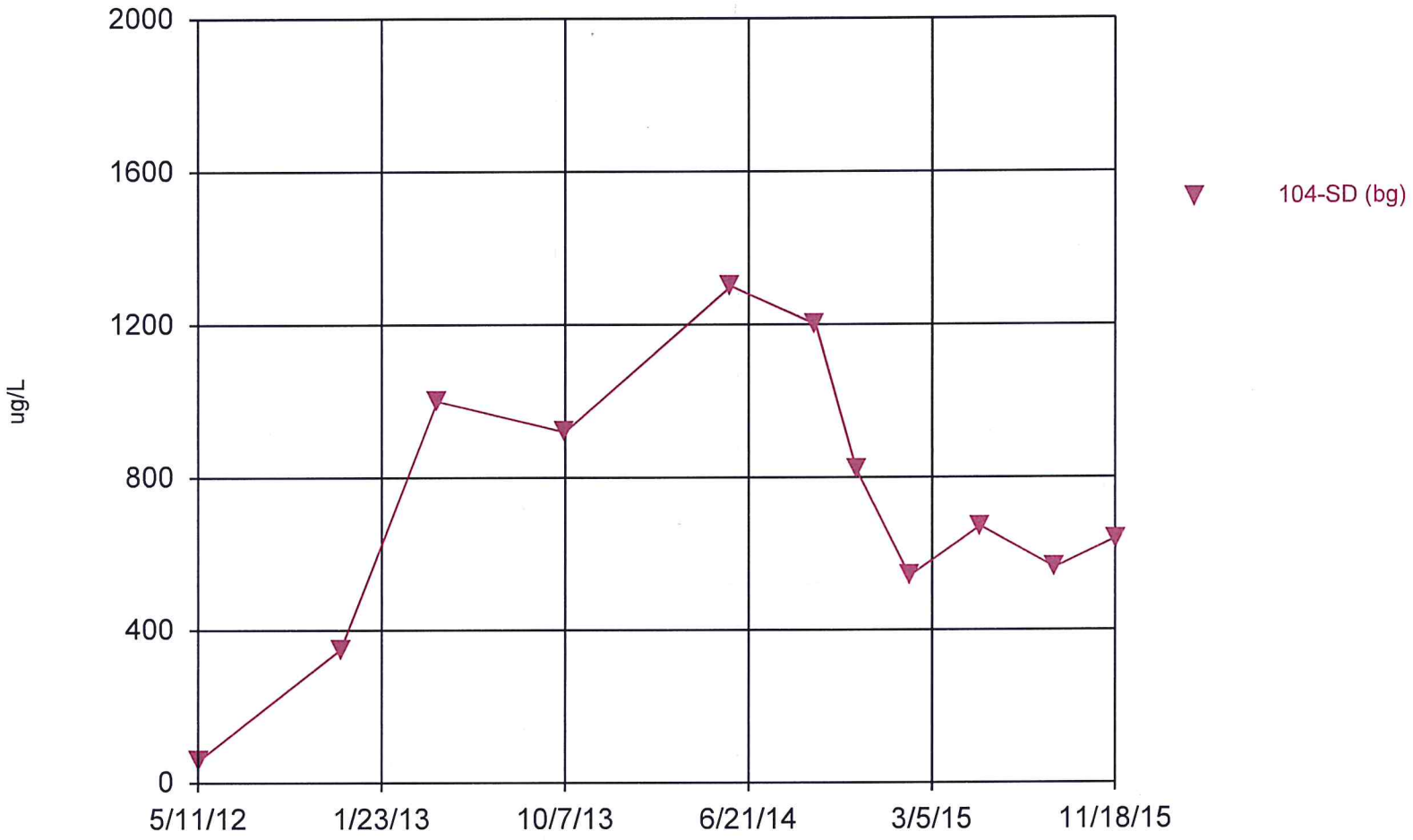


Constituent: Aroclor 1221 Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

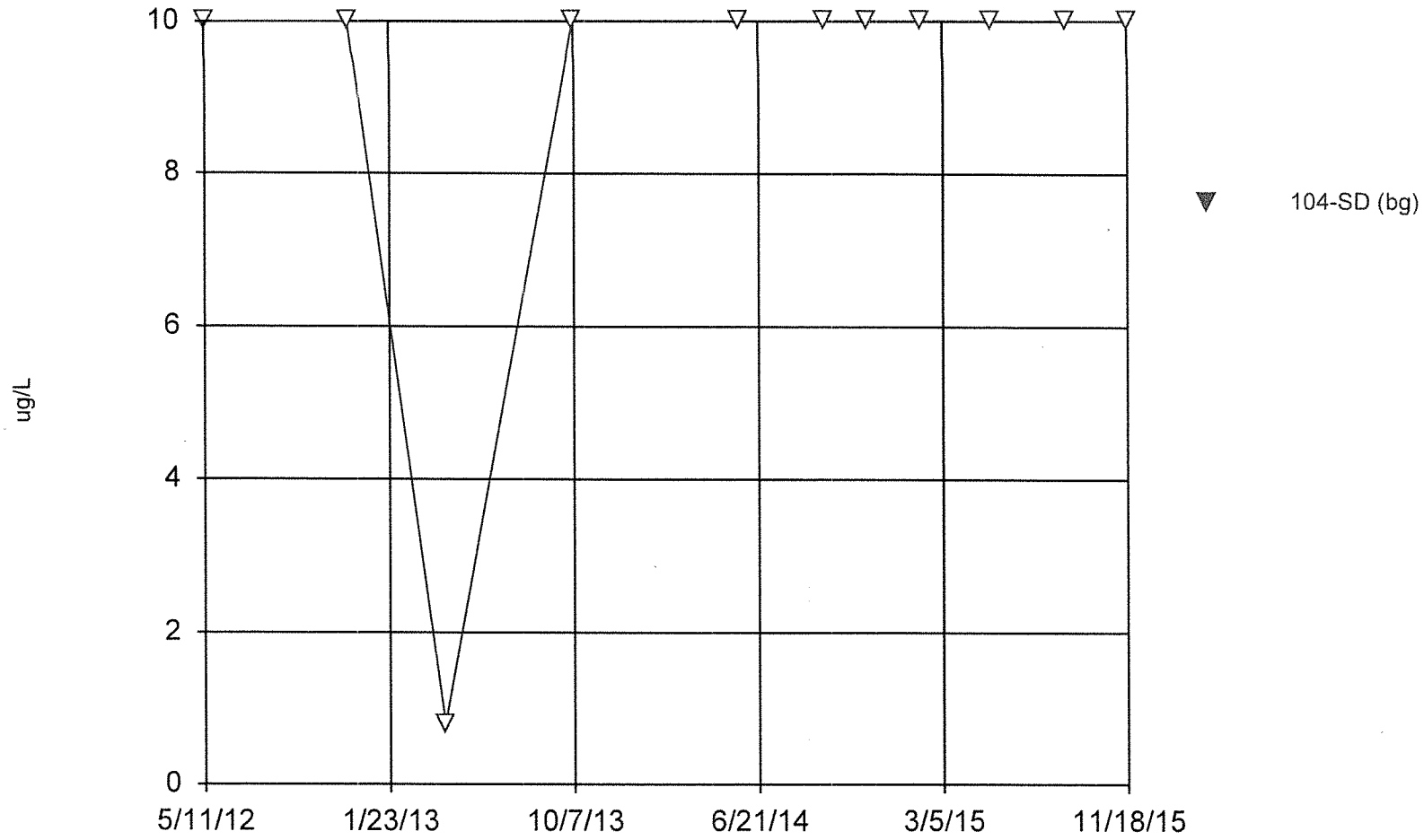


Constituent: Benzene Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

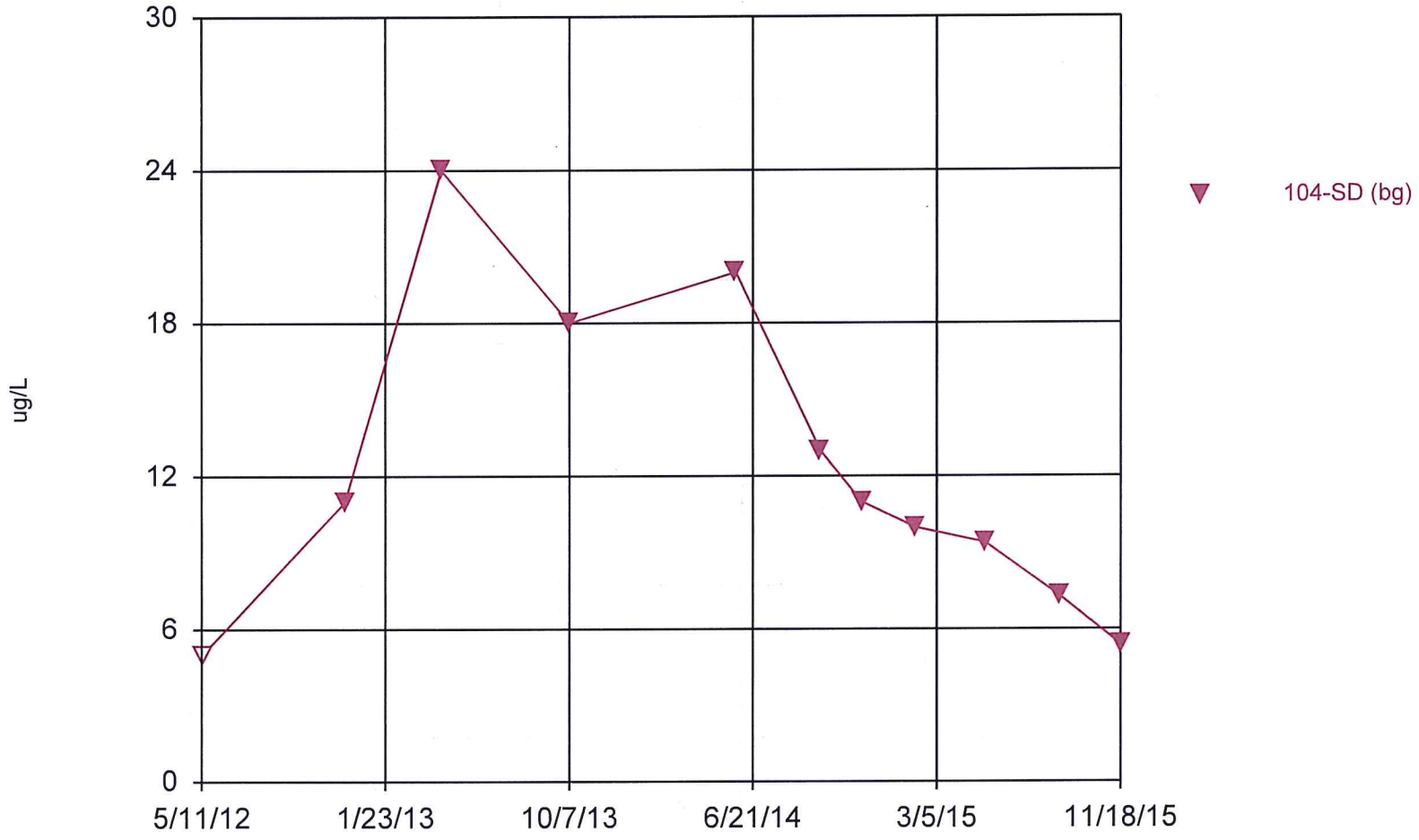


Constituent: Chloroethane Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

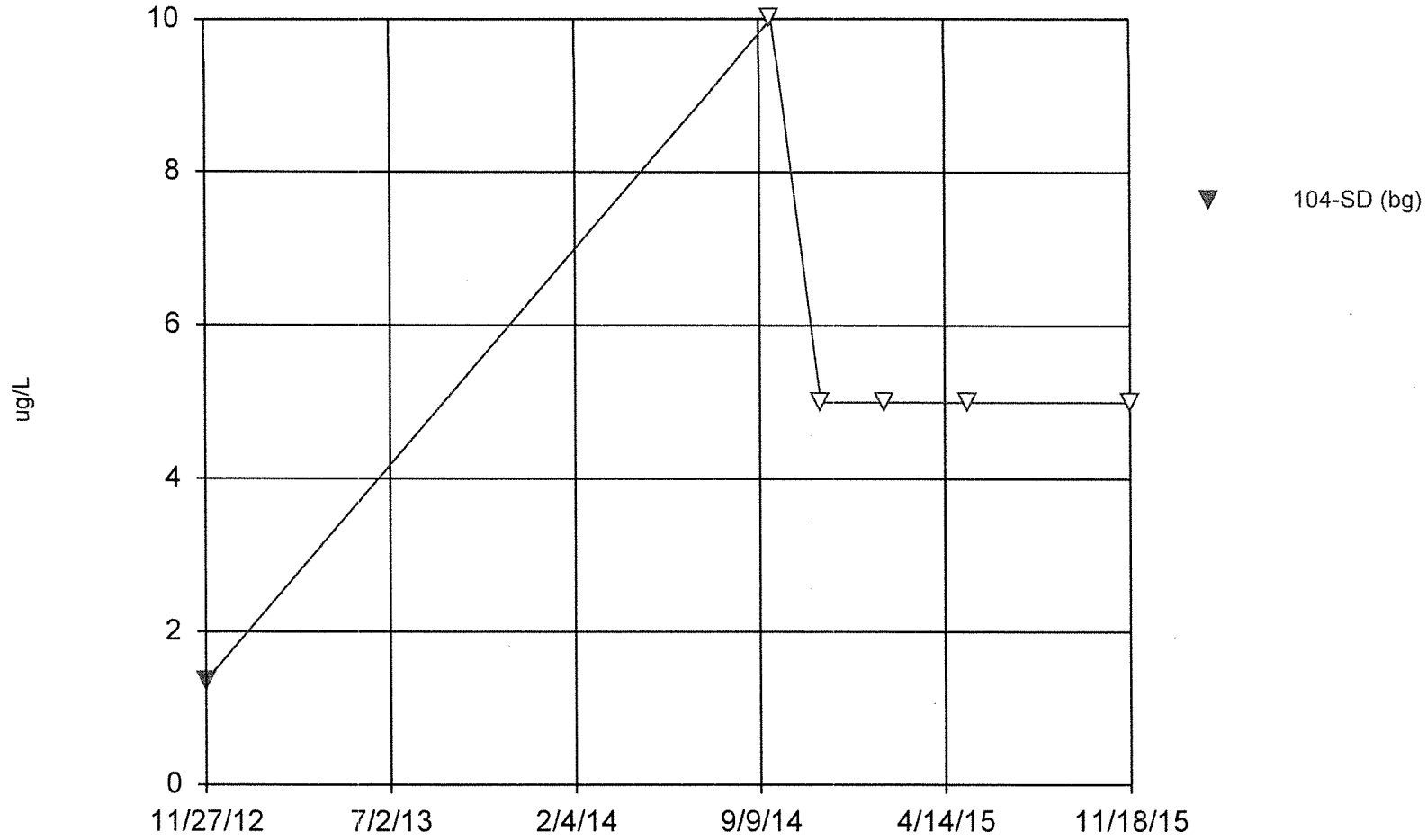


Constituent: Ethylbenzene Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

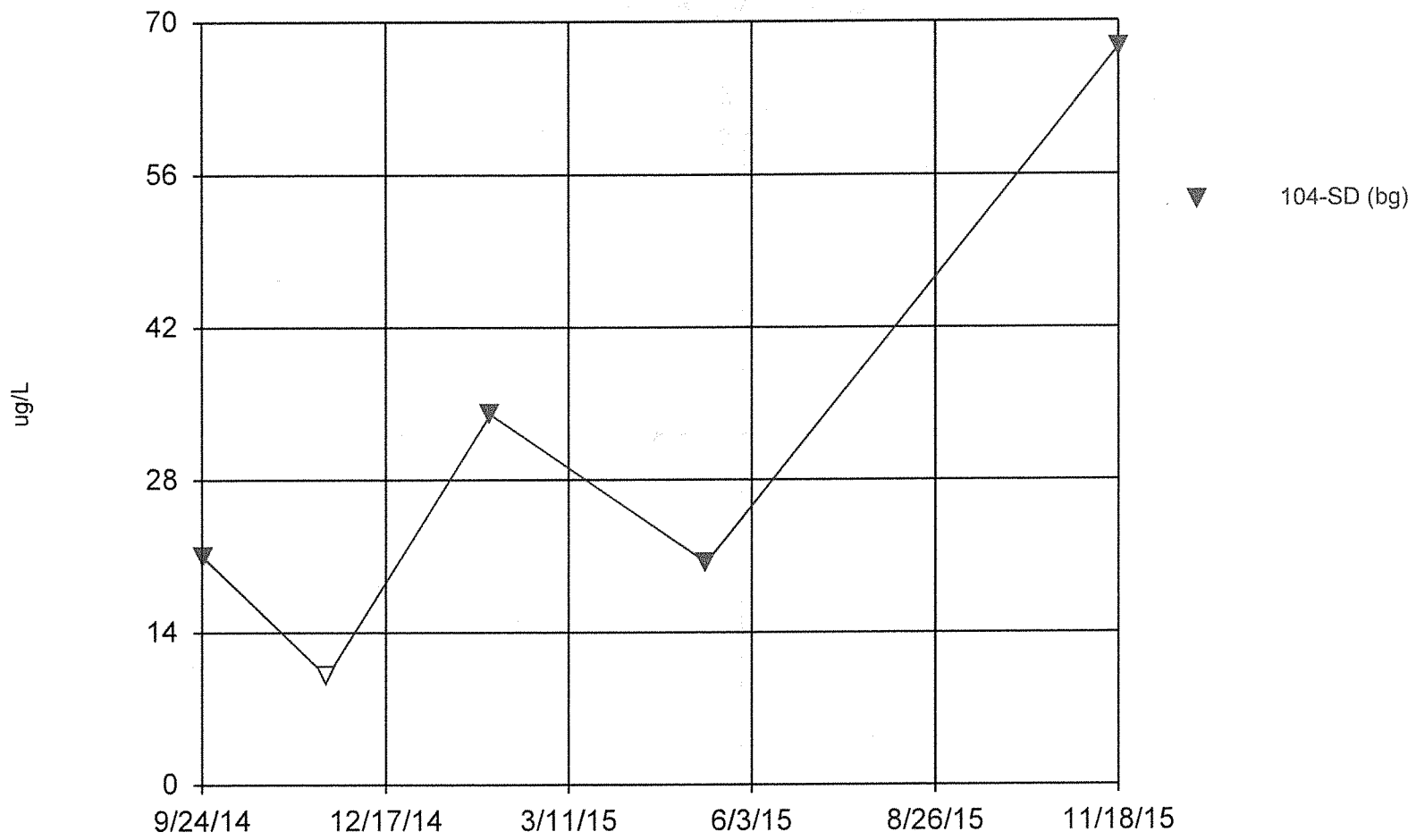


Constituent: Isopropylbenzene Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series

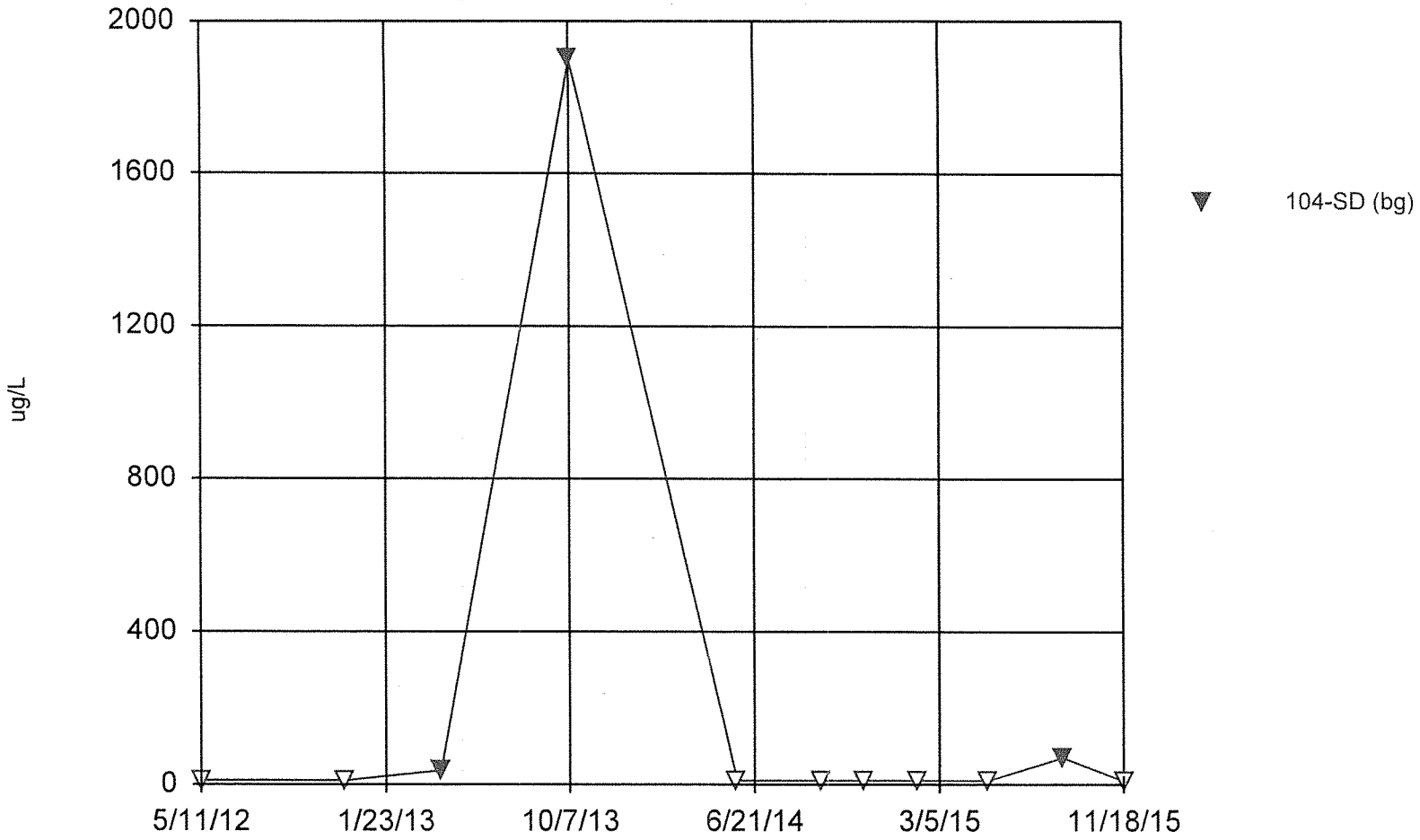


Constituent: m+p-Cresols Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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

Time Series



Constituent: Methyl ethyl ketone Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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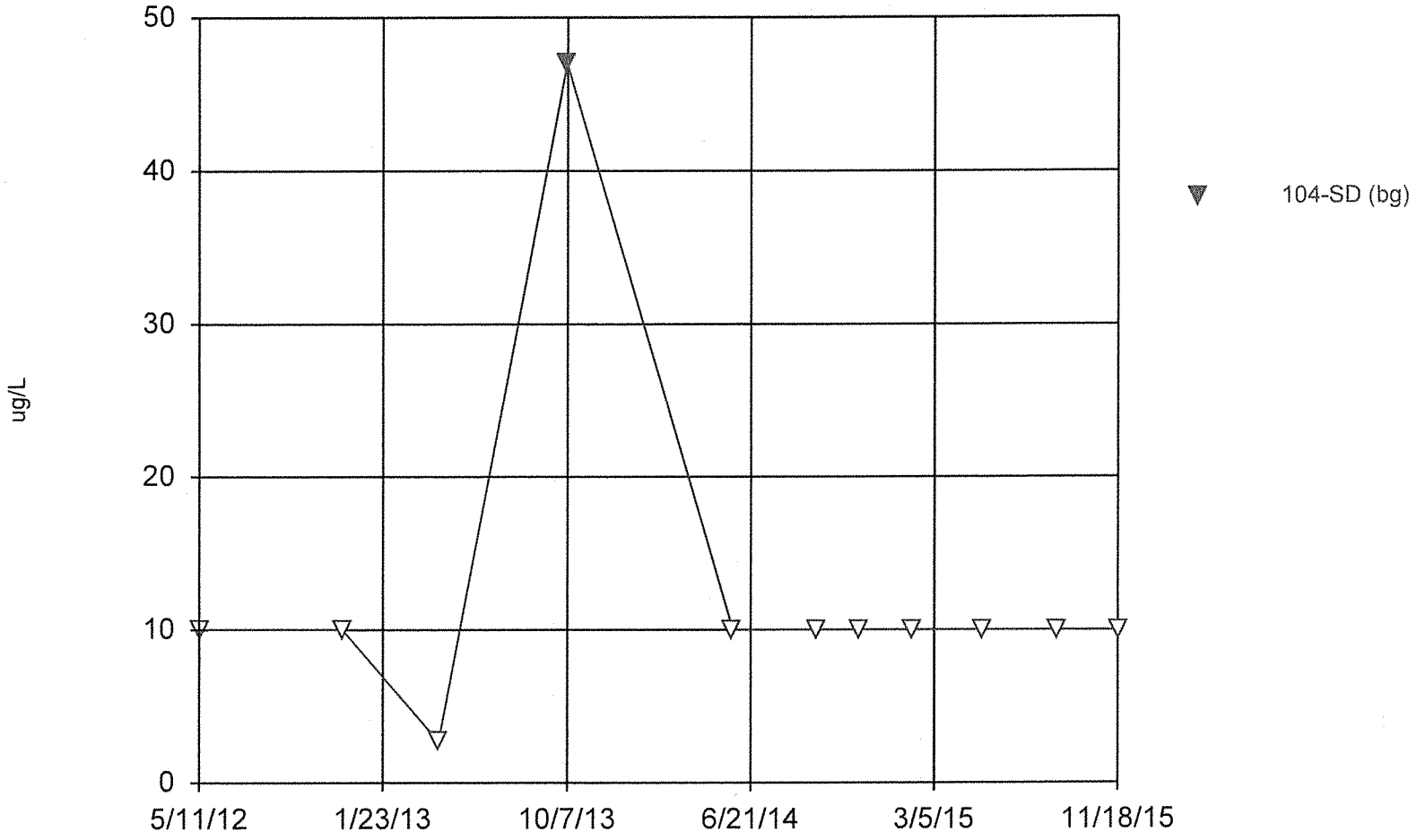
Hollow symbols indicate censored values.

Time Series



Constituent: Methyl-iso-butyl ketone Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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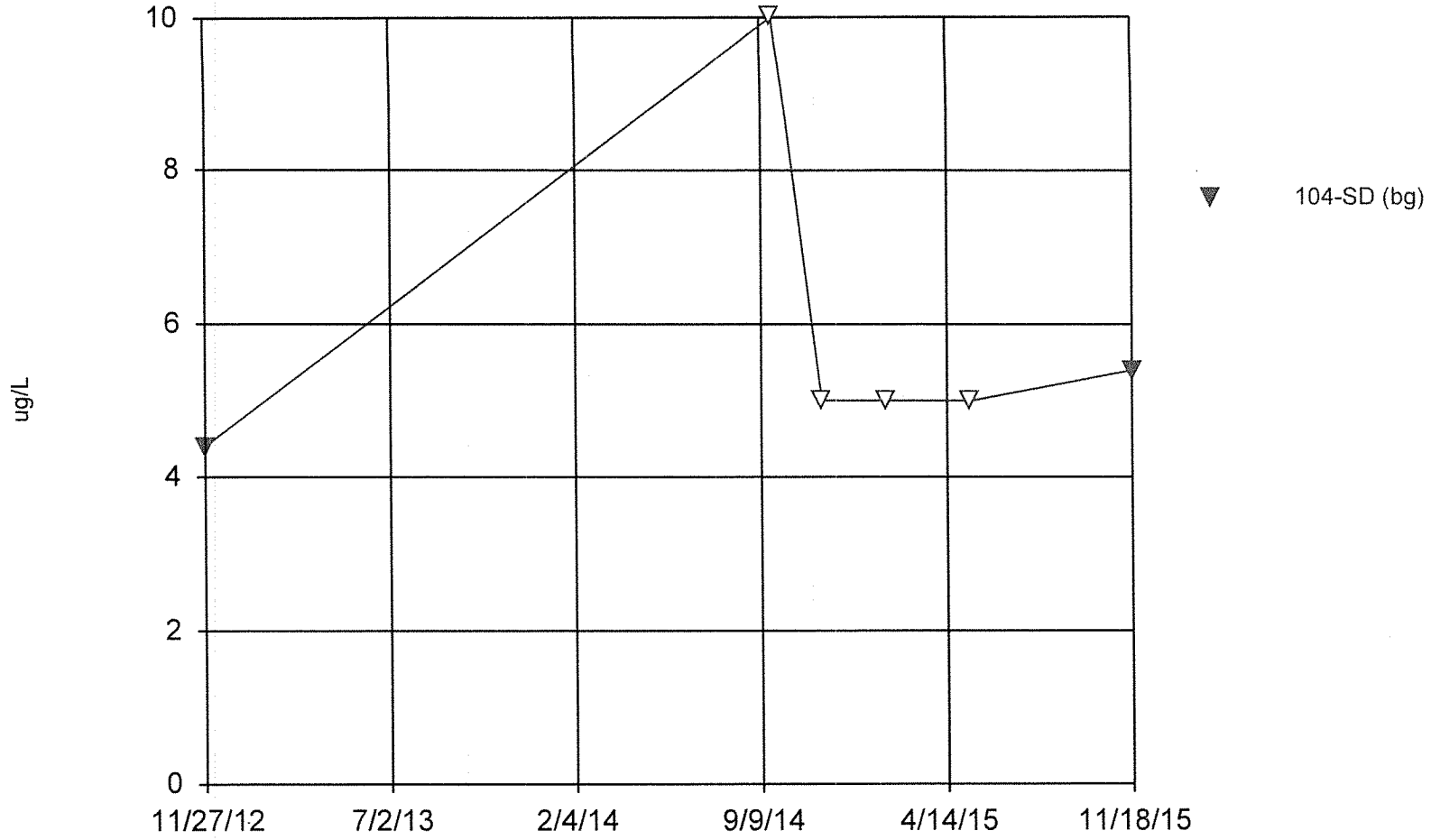
Hollow symbols indicate censored values.

Time Series



Constituent: Methyl-tert-butyl ether Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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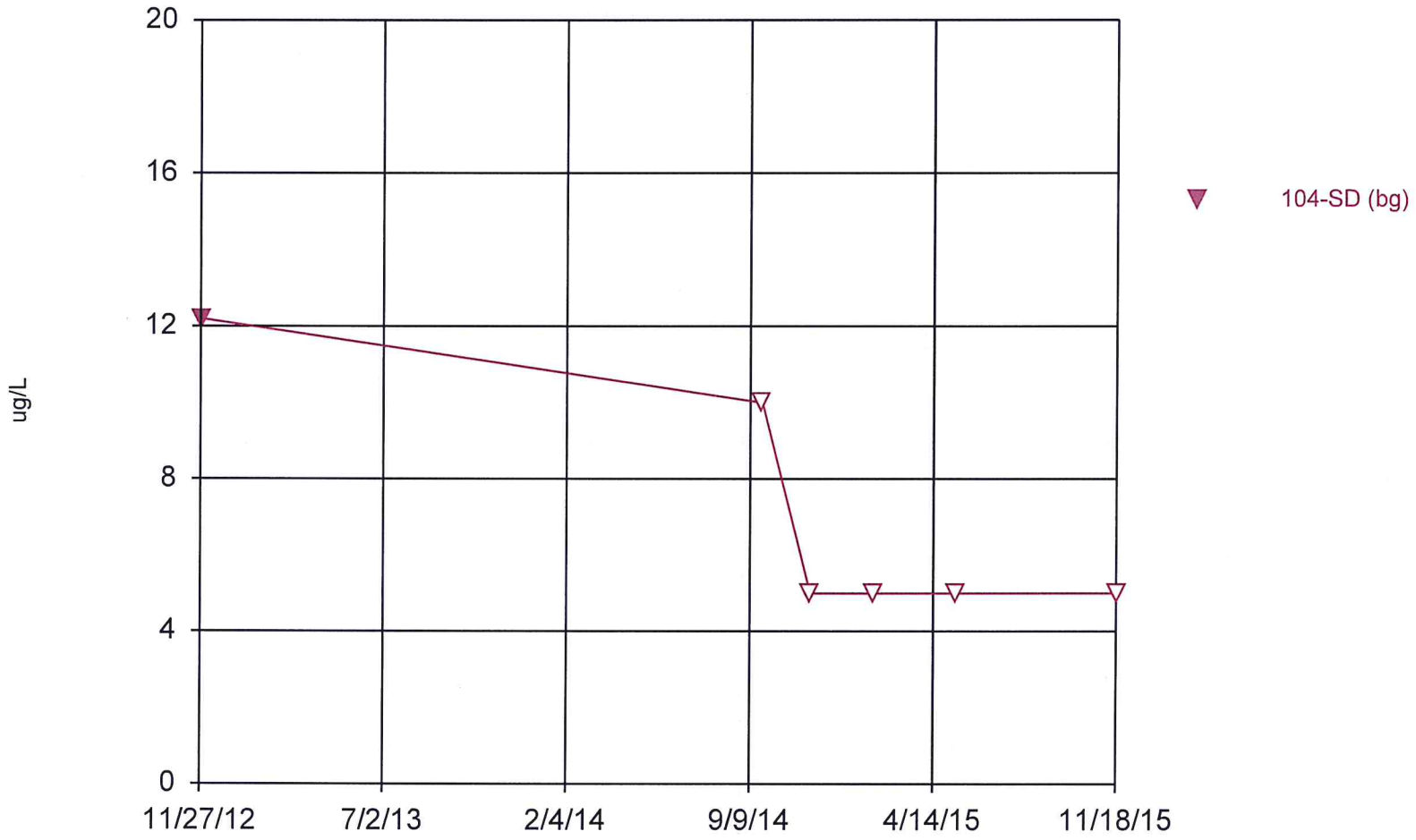
Hollow symbols indicate censored values.

Time Series



Constituent: p-Isopropyltoluene Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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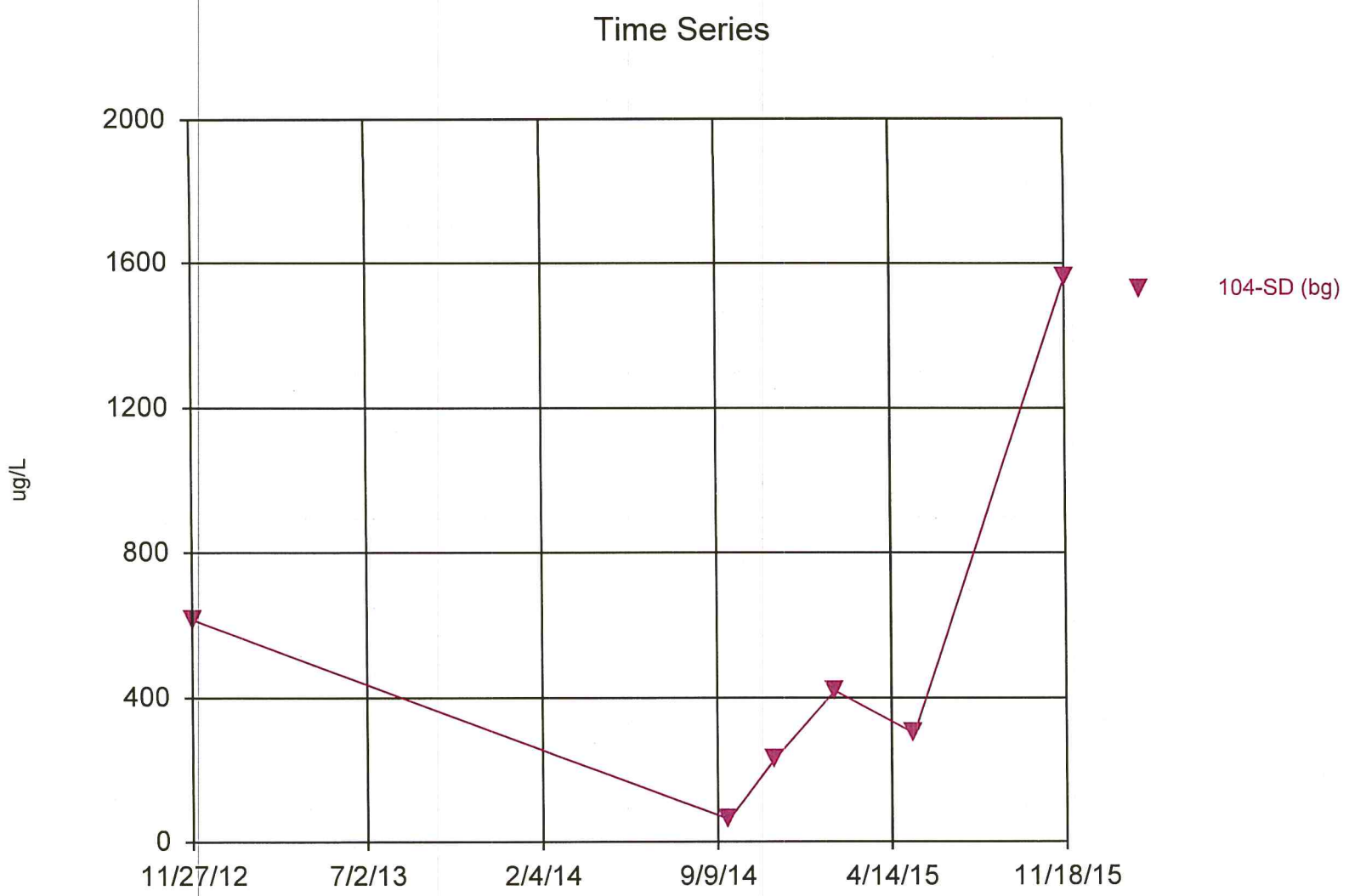

Constituent: Tetrahydrofuran Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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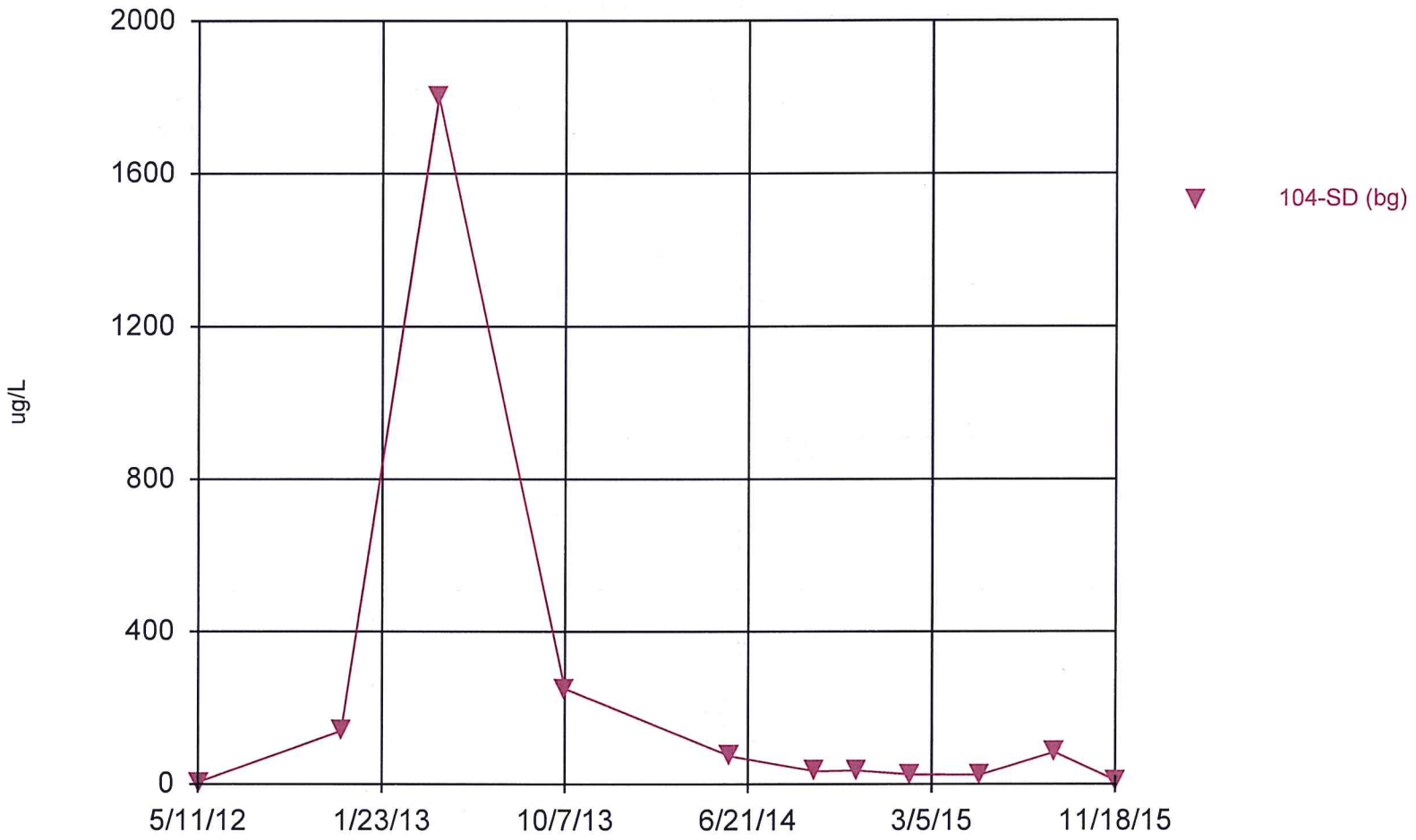
Time Series



Constituent: Toluene Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

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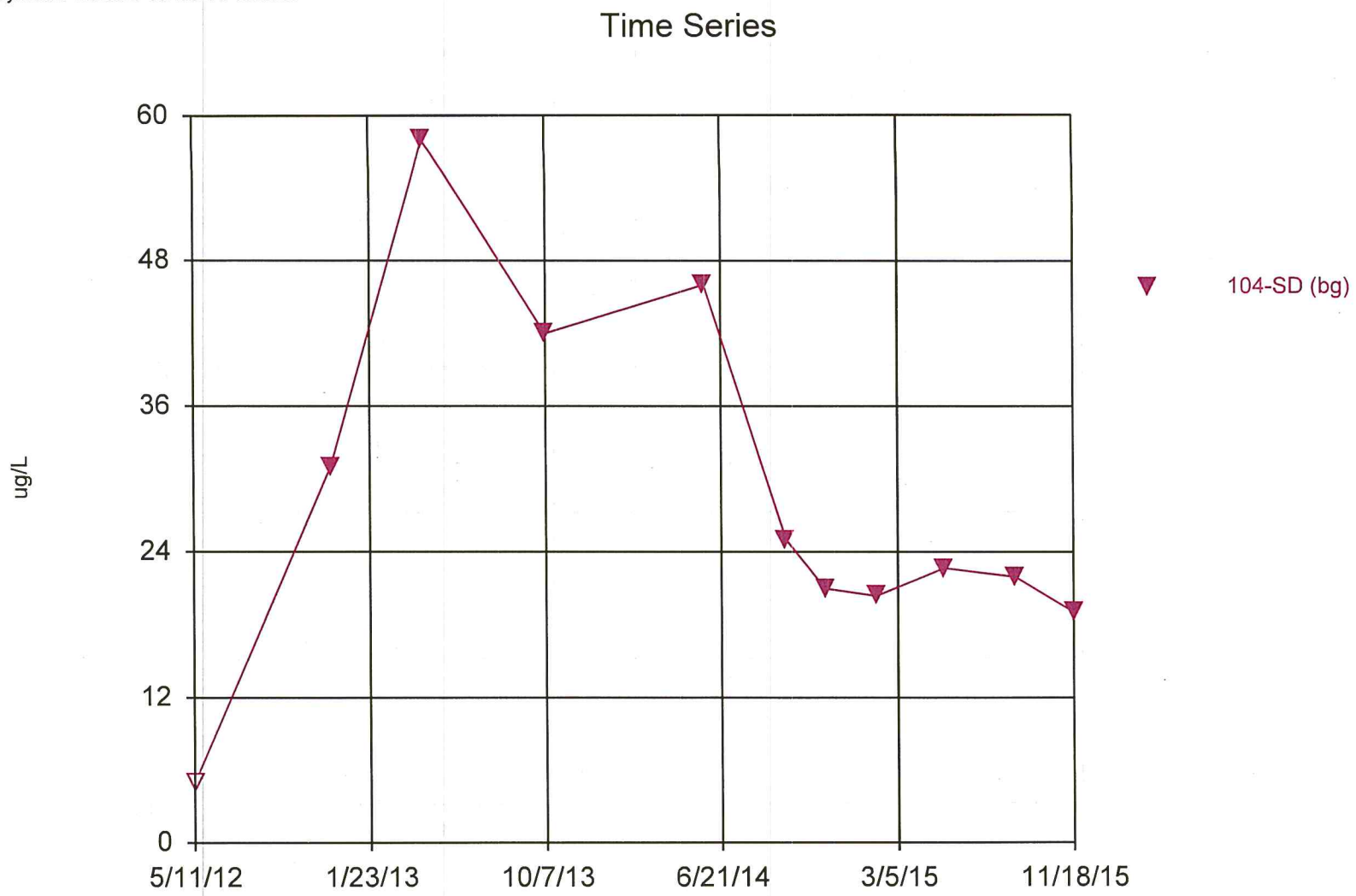
Hollow symbols indicate censored values.



Constituent: Xylenes [Total] Analysis Run 1/8/2016 9:50 AM

Bridgeton LF Client: RSI Data: BRIDGETON

APPENDIX F
LABORATORY ANALYTICAL REPORT

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4860 Blazer Parkway
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Pace Analytical Services, Inc.
7726 Moller Road
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(317)228-3100

January 21, 2016

Environmental Manager
Bridgeton Landfill LLC
13570 Saint Charles Rock Road
Bridgeton, MO 63044

RE: Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Dear Environmental Manager:
Enclosed are the analytical results for sample(s) received by the laboratory between November 18, 2015 and November 25, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chris Sarkan
chris.sarkan@pacelabs.com
Project Manager

Enclosures

cc: Mr. Steve Jett, Jett Environmental Consulting
Mr. Jon Wilkinson, Feezor Engineering, Inc.

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CERTIFICATIONS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #:E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076
Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

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SAMPLE SUMMARY

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50132719002	PZ-100-SS	Water	11/17/15 09:33	11/18/15 09:20
50132719003	PZ-100-SD	Water	11/17/15 13:15	11/18/15 09:20
50132719004	TB-01	Water	11/17/15 08:00	11/18/15 09:20
50132719005	PZ-201A-SS	Water	11/18/15 08:34	11/19/15 08:45
50132719006	PZ-104-SS	Water	11/18/15 10:53	11/19/15 08:45
50132719007	PZ-104-SD	Water	11/18/15 13:40	11/19/15 08:45
50132719008	PZ-104-SD D	Water	11/18/15 13:40	11/19/15 08:45
50132719009	PZ-104-KS	Water	11/18/15 15:50	11/19/15 08:45
50132719010	TB-02	Water	11/18/15 08:00	11/19/15 08:45
50132719013	PZ-210-SS	Water	11/19/15 08:35	11/20/15 08:45
50132719014	PZ-210-SD	Water	11/19/15 10:27	11/20/15 08:45
50132719015	PZ-105-SS	Water	11/19/15 13:23	11/20/15 08:45
50132719016	TB-03	Water	11/19/15 08:00	11/20/15 08:45
50132719017	PZ-114-AS	Water	11/20/15 08:35	11/21/15 09:30
50132719018	PZ-115-SS	Water	11/20/15 10:40	11/21/15 09:30
50132719019	PZ-202-SS	Water	11/20/15 13:30	11/21/15 09:30
50132719020	TB-04	Water	11/20/15 08:00	11/21/15 09:30
50132719023	PZ-103-SS	Water	11/23/15 09:15	11/24/15 09:10
50132719024	PZ-203-SS	Water	11/23/15 11:00	11/24/15 09:10
50132719025	MW-1204	Water	11/23/15 14:28	11/24/15 09:10
50132719026	TB-05	Water	11/23/15 08:00	11/24/15 09:10
50132719027	PZ-204-SS	Water	11/24/15 09:32	11/25/15 11:27
50132719028	PZ-106-SD	Water	11/24/15 12:35	11/25/15 11:27
50132719029	PZ-106-SS	Water	11/24/15 14:25	11/25/15 11:27
50132719030	Trip Blank	Water	11/24/15 00:00	11/25/15 11:27

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50132719002	PZ-100-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	ESC	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719003	PZ-100-SD	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	ESC	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719004	TB-01	EPA 8260	RSW	64	PASI-I
50132719005	PZ-201A-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719006	PZ-104-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	71	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719007	PZ-104-SD	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	FRW	12	PASI-I

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	71	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719008	PZ-104-SD D	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	71	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719009	PZ-104-KS	EPA 8082	NPW	2	PASI-I
		EPA 6010	FRW	4	PASI-I
		EPA 6020	CAW	8	PASI-I
		EPA 8270	TBP	8	PASI-I
		EPA 8260	RSW	19	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
50132719010	TB-02	EPA 8260	RSW	71	PASI-I
50132719013	PZ-210-SS	EPA 300.0	RID	3	PASI-I

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8081	KAV	22	PASI-I
		EPA 8082	CPH	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	71	PASI-I
		SM 2540C	ESC	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719014	PZ-210-SD	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	CPH	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	71	PASI-I
		SM 2540C	ESC	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719015	PZ-105-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	CPH	8	PASI-I
		EPA 8151	BJW	4	PASI-I

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	ESC	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719016	TB-03	EPA 8260	RSW	71	PASI-I
50132719017	PZ-114-AS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	CPH	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	JPK, MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	ESC	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719018	PZ-115-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	CPH	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	JPK, MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	ESC	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719019	PZ-202-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	CPH	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	JPK, MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	ESC	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-H+B	TPD	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719020	TB-04	EPA 8260	RSW	64	PASI-I
50132719023	PZ-103-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	JPK, MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719024	PZ-203-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719025	MW-1204	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	JPK, MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	MLS	1	PASI-I

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719026	TB-05	EPA 8260	RSW	71	PASI-I
50132719027	PZ-204-SS	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719028	PZ-106-SD	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	JPK, MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719029	**PZ-106-SS**	EPA 300.0	RID	3	PASI-I
		EPA 8081	KAV	22	PASI-I
		EPA 8082	NPW	8	PASI-I
		EPA 8151	BJW	4	PASI-I
		EPA 6010	MJC	12	PASI-I
		EPA 6020	CAW	11	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270	TBP	115	PASI-I
		EPA 8260	RSW	64	PASI-I
		SM 2540C	MLS	1	PASI-I
		EPA 410.4	ZM	1	PASI-I
		SM 4500-S2-D	TPD	1	PASI-I
		EPA 353.2	ZM	1	PASI-I
		EPA 365.1	CSA	1	PASI-I
		SM 4500-NH3 G	BAL	1	PASI-I
		SM 5310C	EJS	1	PASI-I
		EPA 9012	CSA	1	PASI-I
50132719030	**Trip Blank**	EPA 8260	RSW	64	PASI-I

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719002	**PZ-100-SS**					
	Field pH	7.04	Std. Units		11/17/15 09:33	
	Field Temperature	15.9	deg C		11/17/15 09:33	
	Field Specific Conductance	830	umhos/cm		11/17/15 09:33	
	Field Turbidity	0.82	NTU		11/17/15 09:33	
	Total Well Depth	89.37	feet		11/17/15 09:33	
	Elevation Water Level	456.35	ft/msl		11/17/15 09:33	
	Collar Elevation	485.84	ft/msl		11/17/15 09:33	
	Depth to Water	29.49	feet		11/17/15 09:33	
EPA 300.0	Chloride	4.9	mg/L	0.25	11/24/15 11:36	
EPA 300.0	Fluoride	0.61	mg/L	0.10	11/24/15 11:36	
EPA 300.0	Sulfate	37.5	mg/L	2.5	11/24/15 11:54	
EPA 6010	Barium	69.4	ug/L	10.0	11/30/15 17:27	
EPA 6010	Boron	158	ug/L	100	11/30/15 17:27	
EPA 6010	Calcium	89000	ug/L	500	11/30/15 17:27	
EPA 6010	Iron	50.1	ug/L	50.0	11/30/15 17:27	
EPA 6010	Magnesium	51400	ug/L	500	11/30/15 17:27	
EPA 6010	Nickel	14.0	ug/L	10.0	11/30/15 17:27	
EPA 6010	Sodium	12000	ug/L	1000	11/30/15 17:27	
EPA 6010	Total Hardness by 2340B	434000	ug/L	1000	11/30/15 17:27	
EPA 6010	Zinc	25.7	ug/L	20.0	11/30/15 17:27	
SM 2540C	Total Dissolved Solids	432	mg/L	10.0	11/19/15 14:07	
EPA 353.2	Nitrogen, NO2 plus NO3	0.23	mg/L	0.10	12/09/15 09:40	
50132719003	**PZ-100-SD**					
	Field pH	7.24	Std. Units		11/17/15 13:15	
	Field Temperature	15.8	deg C		11/17/15 13:15	
	Field Specific Conductance	635	umhos/cm		11/17/15 13:15	
	Field Turbidity	0.01	NTU		11/17/15 13:15	
	Total Well Depth	96.21	feet		11/17/15 13:15	
	Elevation Water Level	455.52	ft/msl		11/17/15 13:15	
	Collar Elevation	485.82	ft/msl		11/17/15 13:15	
	Depth to Water	30.30	feet		11/17/15 13:15	
EPA 300.0	Chloride	1.9	mg/L	0.25	11/24/15 12:13	
EPA 300.0	Fluoride	2.1	mg/L	0.10	11/24/15 12:13	
EPA 300.0	Sulfate	8.7	mg/L	0.25	11/24/15 12:13	
EPA 6010	Barium	320	ug/L	10.0	11/30/15 17:30	
EPA 6010	Calcium	74300	ug/L	500	11/30/15 17:30	
EPA 6010	Iron	545	ug/L	50.0	11/30/15 17:30	
EPA 6010	Magnesium	34700	ug/L	500	11/30/15 17:30	
EPA 6010	Manganese	26.9	ug/L	5.0	11/30/15 17:30	
EPA 6010	Sodium	8260	ug/L	1000	11/30/15 17:30	
EPA 6010	Total Hardness by 2340B	328000	ug/L	1000	11/30/15 17:30	
SM 2540C	Total Dissolved Solids	328	mg/L	10.0	11/19/15 14:08	
SM 4500-NH3 G	Nitrogen, Ammonia	0.15	mg/L	0.10	11/19/15 11:44	
SM 5310C	Total Organic Carbon	1.2	mg/L	1.0	12/04/15 11:14	
50132719005	**PZ-201A-SS**					
	Field pH	7.20	Std. Units		11/18/15 08:34	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719005	**PZ-201A-SS**					
	Field Temperature	16.1	deg C		11/18/15 08:34	
	Field Specific Conductance	851	umhos/cm		11/18/15 08:34	
	Field Turbidity	1.33	NTU		11/18/15 08:34	
	Total Well Depth	86.20	feet		11/18/15 08:34	
	Elevation Water Level	470.33	ft/msl		11/18/15 08:34	
	Collar Elevation	480.16	ft/msl		11/18/15 08:34	
	Depth to Water	9.83	feet		11/18/15 08:34	
EPA 300.0	Chloride	4.0	mg/L	0.25	11/25/15 11:59	
EPA 300.0	Fluoride	0.34	mg/L	0.10	11/25/15 11:59	
EPA 300.0	Sulfate	61.9	mg/L	2.5	11/25/15 12:17	
EPA 6010	Barium	128	ug/L	10.0	11/30/15 17:47	
EPA 6010	Calcium	92500	ug/L	500	11/30/15 17:47	
EPA 6010	Iron	98.8	ug/L	50.0	11/30/15 17:47	
EPA 6010	Magnesium	46300	ug/L	500	11/30/15 17:47	
EPA 6010	Manganese	14.8	ug/L	5.0	11/30/15 17:47	
EPA 6010	Sodium	13600	ug/L	1000	11/30/15 17:47	
EPA 6010	Total Hardness by 2340B	422000	ug/L	1000	11/30/15 17:47	
EPA 6010	Zinc	74.0	ug/L	20.0	11/30/15 17:47	
EPA 6020	Copper	6.4	ug/L	5.0	01/18/16 12:56	
SM 2540C	Total Dissolved Solids	456	mg/L	10.0	11/22/15 09:01	
EPA 353.2	Nitrogen, NO2 plus NO3	0.37	mg/L	0.10	12/09/15 09:47	
50132719006	**PZ-104-SS**					
	Field pH	6.98	Std. Units		11/18/15 10:53	
	Field Temperature	25.6	deg C		11/18/15 10:53	
	Field Specific Conductance	817	umhos/cm		11/18/15 10:53	
	Field Turbidity	1.47	NTU		11/18/15 10:53	
	Total Well Depth	140.25	feet		11/18/15 10:53	
	Elevation Water Level	463.14	ft/msl		11/18/15 10:53	
	Collar Elevation	483.63	ft/msl		11/18/15 10:53	
	Depth to Water	20.49	feet		11/18/15 10:53	
EPA 300.0	Chloride	3.7	mg/L	0.25	11/25/15 12:36	
EPA 300.0	Fluoride	0.76	mg/L	0.10	11/25/15 12:36	
EPA 300.0	Sulfate	19.6	mg/L	0.25	11/25/15 12:36	
EPA 6010	Barium	106	ug/L	10.0	11/30/15 17:50	
EPA 6010	Boron	137	ug/L	100	11/30/15 17:50	
EPA 6010	Calcium	80500	ug/L	500	11/30/15 17:50	
EPA 6010	Iron	406	ug/L	50.0	11/30/15 17:50	
EPA 6010	Magnesium	48300	ug/L	500	11/30/15 17:50	
EPA 6010	Manganese	25.1	ug/L	5.0	11/30/15 17:50	
EPA 6010	Sodium	15000	ug/L	1000	11/30/15 17:50	
EPA 6010	Total Hardness by 2340B	400000	ug/L	1000	11/30/15 17:50	
EPA 8260	Benzene	469	ug/L	50.0	12/01/15 19:26	
EPA 8260	Ethylbenzene	8.7	ug/L	5.0	12/01/15 05:47	
EPA 8260	Toluene	5.2	ug/L	5.0	12/01/15 05:47	
EPA 8260	Xylene (Total)	23.1	ug/L	5.0	12/01/15 05:47	
SM 2540C	Total Dissolved Solids	416	mg/L	10.0	11/22/15 09:02	
SM 5310C	Total Organic Carbon	1.7	mg/L	1.0	12/04/15 11:14	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719007	**PZ-104-SD**					
	Field pH	6.92	Std. Units		11/18/15 13:40	
	Field Temperature	25.4	deg C		11/18/15 13:40	
	Field Specific Conductance	2070	umhos/cm		11/18/15 13:40	
	Field Turbidity	2.35	NTU		11/18/15 13:40	
	Total Well Depth	120.63	feet		11/18/15 13:40	
	Elevation Water Level	462.57	ft/msl		11/18/15 13:40	
	Collar Elevation	483.69	ft/msl		11/18/15 13:40	
	Depth to Water	21.12	feet		11/18/15 13:40	
EPA 300.0	Chloride	253	mg/L	25.0	12/01/15 03:04	
EPA 300.0	Fluoride	0.95	mg/L	0.10	11/25/15 12:54	
EPA 300.0	Sulfate	1.2	mg/L	0.25	11/25/15 12:54	
EPA 6010	Barium	553	ug/L	10.0	11/30/15 17:53	
EPA 6010	Boron	1030	ug/L	100	11/30/15 17:53	
EPA 6010	Calcium	105000	ug/L	500	11/30/15 17:53	
EPA 6010	Iron	12800	ug/L	50.0	11/30/15 17:53	
EPA 6010	Magnesium	65900	ug/L	500	11/30/15 17:53	
EPA 6010	Manganese	139	ug/L	5.0	11/30/15 17:53	
EPA 6010	Nickel	64.0	ug/L	10.0	11/30/15 17:53	
EPA 6010	Sodium	162000	ug/L	1000	11/30/15 17:53	
EPA 6010	Total Hardness by 2340B	534000	ug/L	1000	11/30/15 17:53	
EPA 6020	Arsenic	14.2	ug/L	5.0	01/18/16 14:39	
EPA 6020	Chromium	14.3	ug/L	5.0	01/18/16 14:39	
EPA 8270	3&4-Methylphenol(m&p Cresol)	67.6	ug/L	10.0	11/24/15 17:19	
EPA 8260	Benzene	640	ug/L	50.0	11/25/15 19:51	
EPA 8260	Ethylbenzene	5.4	ug/L	5.0	11/25/15 13:38	
EPA 8260	Methyl-tert-butyl ether	5.4	ug/L	5.0	11/25/15 13:38	
EPA 8260	Tetrahydrofuran	1560	ug/L	1000	11/25/15 19:51	N2
EPA 8260	Toluene	10.5	ug/L	5.0	11/25/15 13:38	
EPA 8260	Xylene (Total)	19.1	ug/L	5.0	11/25/15 13:38	
SM 2540C	Total Dissolved Solids	1100	mg/L	10.0	11/22/15 09:02	
EPA 410.4	Chemical Oxygen Demand	294	mg/L	10.0	12/03/15 16:58	
EPA 365.1	Phosphorus	0.13	mg/L	0.050	12/09/15 15:18	
SM 4500-NH3 G	Nitrogen, Ammonia	39.6	mg/L	1.0	11/23/15 10:22	
SM 5310C	Total Organic Carbon	98.7	mg/L	10.0	12/04/15 11:14	
50132719008	**PZ-104-SD D**					
EPA 300.0	Chloride	259	mg/L	25.0	12/01/15 03:23	
EPA 300.0	Fluoride	0.94	mg/L	0.10	11/25/15 13:32	
EPA 300.0	Sulfate	1.2	mg/L	0.25	11/25/15 13:32	
EPA 6010	Barium	548	ug/L	10.0	11/30/15 17:56	
EPA 6010	Boron	1030	ug/L	100	11/30/15 17:56	
EPA 6010	Calcium	105000	ug/L	500	11/30/15 17:56	
EPA 6010	Iron	12800	ug/L	50.0	11/30/15 17:56	
EPA 6010	Magnesium	65800	ug/L	500	11/30/15 17:56	
EPA 6010	Manganese	139	ug/L	5.0	11/30/15 17:56	
EPA 6010	Nickel	66.4	ug/L	10.0	11/30/15 17:56	
EPA 6010	Sodium	161000	ug/L	1000	11/30/15 17:56	
EPA 6010	Total Hardness by 2340B	534000	ug/L	1000	11/30/15 17:56	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719008	**PZ-104-SD D**					
EPA 6020	Arsenic	11.7	ug/L	5.0	01/18/16 14:43	
EPA 6020	Chromium	14.1	ug/L	5.0	01/18/16 14:43	
EPA 8270	3&4-Methylphenol(m&p Cresol)	65.8	ug/L	10.0	11/24/15 17:39	
EPA 8260	Benzene	569	ug/L	50.0	11/25/15 20:25	
EPA 8260	Ethylbenzene	5.8	ug/L	5.0	11/25/15 14:14	
EPA 8260	Methyl-tert-butyl ether	5.3	ug/L	5.0	11/25/15 14:14	
EPA 8260	Tetrahydrofuran	1630	ug/L	1000	11/25/15 20:25	N2
EPA 8260	Toluene	10	ug/L	5.0	11/25/15 14:14	
EPA 8260	Xylene (Total)	20.6	ug/L	5.0	11/25/15 14:14	
SM 2540C	Total Dissolved Solids	1030	mg/L	13.3	11/23/15 07:52	
EPA 410.4	Chemical Oxygen Demand	291	mg/L	10.0	12/03/15 16:58	
EPA 365.1	Phosphorus	0.14	mg/L	0.050	12/09/15 15:19	
SM 4500-NH3 G	Nitrogen, Ammonia	39.6	mg/L	1.0	11/23/15 10:24	
SM 5310C	Total Organic Carbon	97.0	mg/L	10.0	12/04/15 11:14	
50132719009	**PZ-104-KS**					
	Field pH	7.32	Std. Units		11/18/15 15:50	
	Field Temperature	22.9	deg C		11/18/15 15:50	
	Field Specific Conductance	832	umhos/cm		11/18/15 15:50	
	Field Turbidity	2.70	NTU		11/18/15 15:50	
	Total Well Depth	93.30	feet		11/18/15 15:50	
	Elevation Water Level	467.33	ft/msl		11/18/15 15:50	
	Collar Elevation	483.95	ft/msl		11/18/15 15:50	
	Depth to Water	16.62	feet		11/18/15 15:50	
EPA 6010	Barium	100	ug/L	10.0	11/30/15 17:59	
50132719013	**PZ-210-SS**					
	Field pH	7.29	Std. Units		11/19/15 08:35	
	Field Temperature	14.1	deg C		11/19/15 08:35	
	Field Specific Conductance	762	umhos/cm		11/19/15 08:35	
	Field Turbidity	1.51	NTU		11/19/15 08:35	
	Total Well Depth	101.44	feet		11/19/15 08:35	
	Elevation Water Level	460.81	ft/msl		11/19/15 08:35	
	Collar Elevation	486.90	ft/msl		11/19/15 08:35	
	Depth to Water	26.27	feet		11/19/15 08:35	
EPA 300.0	Chloride	19.7	mg/L	2.5	12/03/15 01:34	
EPA 300.0	Fluoride	0.63	mg/L	0.10	12/03/15 00:43	
EPA 300.0	Sulfate	19.5	mg/L	0.25	12/03/15 00:43	
EPA 6010	Barium	75.8	ug/L	10.0	12/04/15 08:22	
EPA 6010	Boron	120	ug/L	100	12/04/15 08:22	
EPA 6010	Calcium	88200	ug/L	500	12/04/15 08:22	
EPA 6010	Iron	2860	ug/L	50.0	12/04/15 08:22	
EPA 6010	Magnesium	44700	ug/L	500	12/04/15 08:22	
EPA 6010	Manganese	105	ug/L	5.0	12/04/15 08:22	
EPA 6010	Sodium	20200	ug/L	1000	12/04/15 08:22	
EPA 6010	Total Hardness by 2340B	404000	ug/L	1000	12/04/15 08:22	
SM 2540C	Total Dissolved Solids	436	mg/L	10.0	11/23/15 14:59	
EPA 410.4	Chemical Oxygen Demand	20.6	mg/L	10.0	12/02/15 17:35	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719013	**PZ-210-SS**					
SM 5310C	Total Organic Carbon	6.6	mg/L	1.0	12/04/15 11:14	
50132719014	**PZ-210-SD**					
	Field pH	7.30	Std. Units		11/19/15 10:27	
	Field Temperature	14.2	deg C		11/19/15 10:27	
	Field Specific Conductance	1019	umhos/cm		11/19/15 10:27	
	Field Turbidity	0.75	NTU		11/19/15 10:27	
	Total Well Depth	101.79	feet		11/19/15 10:27	
	Elevation Water Level	459.80	ft/msl		11/19/15 10:27	
	Collar Elevation	487.01	ft/msl		11/19/15 10:27	
	Depth to Water	27.11	feet		11/19/15 10:27	
EPA 300.0	Chloride	50.0	mg/L	2.5	12/03/15 03:17	
EPA 300.0	Fluoride	1.8	mg/L	0.10	12/03/15 02:59	
EPA 300.0	Sulfate	39.4	mg/L	2.5	12/03/15 03:17	
EPA 6010	Barium	74.4	ug/L	10.0	12/04/15 08:24	
EPA 6010	Boron	236	ug/L	100	12/04/15 08:24	
EPA 6010	Calcium	78200	ug/L	500	12/04/15 08:24	
EPA 6010	Iron	3090	ug/L	50.0	12/04/15 08:24	
EPA 6010	Magnesium	47000	ug/L	500	12/04/15 08:24	
EPA 6010	Manganese	104	ug/L	5.0	12/04/15 08:24	
EPA 6010	Sodium	85800	ug/L	1000	12/04/15 08:24	
EPA 6010	Total Hardness by 2340B	389000	ug/L	1000	12/04/15 08:24	
SM 2540C	Total Dissolved Solids	572	mg/L	10.0	11/23/15 14:59	
EPA 410.4	Chemical Oxygen Demand	34.9	mg/L	10.0	12/02/15 17:35	
SM 4500-NH3 G	Nitrogen, Ammonia	2.7	mg/L	0.10	11/23/15 11:54	
SM 5310C	Total Organic Carbon	14.6	mg/L	10.0	12/04/15 11:14	
50132719015	**PZ-105-SS**					
	Field pH	7.37	Std. Units		11/19/15 13:23	
	Field Temperature	16.8	deg C		11/19/15 13:23	
	Field Specific Conductance	942	umhos/cm		11/19/15 13:23	
	Field Turbidity	4.46	NTU		11/19/15 13:23	
	Total Well Depth	144.85	feet		11/19/15 13:23	
	Elevation Water Level	458.74	ft/msl		11/19/15 13:23	
	Collar Elevation	483.61	ft/msl		11/19/15 13:23	
	Depth to Water	24.87	feet		11/19/15 13:23	
EPA 300.0	Chloride	76.3	mg/L	2.5	12/03/15 04:08	
EPA 300.0	Fluoride	0.62	mg/L	0.10	12/03/15 03:51	
EPA 300.0	Sulfate	69.5	mg/L	2.5	12/03/15 04:08	
EPA 6010	Barium	154	ug/L	10.0	12/04/15 08:26	
EPA 6010	Calcium	90900	ug/L	500	12/04/15 08:26	
EPA 6010	Iron	447	ug/L	50.0	12/04/15 08:26	
EPA 6010	Magnesium	48000	ug/L	500	12/04/15 08:26	
EPA 6010	Manganese	9.5	ug/L	5.0	12/04/15 08:26	
EPA 6010	Sodium	51900	ug/L	1000	12/04/15 08:26	
EPA 6010	Total Hardness by 2340B	425000	ug/L	1000	12/04/15 08:26	
SM 2540C	Total Dissolved Solids	556	mg/L	10.0	11/23/15 14:59	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719017	**PZ-114-AS**					
	Field pH	6.64	Std. Units		11/20/15 08:35	
	Field Temperature	15.2	deg C		11/20/15 08:35	
	Field Specific Conductance	2740	umhos/cm		11/20/15 08:35	
	Field Turbidity	1.89	NTU		11/20/15 08:35	
	Total Well Depth	26.11	feet		11/20/15 08:35	
	Elevation Water Level	432.36	ft/msl		11/20/15 08:35	
	Collar Elevation	451.31	ft/msl		11/20/15 08:35	
	Depth to Water	18.95	feet		11/20/15 08:35	
EPA 300.0	Chloride	414	mg/L	25.0	12/03/15 04:59	
EPA 300.0	Fluoride	0.20	mg/L	0.10	12/03/15 04:25	
EPA 300.0	Sulfate	0.40	mg/L	0.25	12/03/15 04:25	
EPA 6010	Barium	979	ug/L	10.0	12/04/15 08:33	
EPA 6010	Boron	464	ug/L	100	12/04/15 08:33	
EPA 6010	Calcium	245000	ug/L	5000	12/04/15 11:05	
EPA 6010	Iron	85800	ug/L	50.0	12/04/15 08:33	
EPA 6010	Magnesium	47800	ug/L	500	12/04/15 08:33	
EPA 6010	Manganese	3560	ug/L	5.0	12/04/15 08:33	
EPA 6010	Sodium	186000	ug/L	1000	12/04/15 08:33	
EPA 6010	Total Hardness by 2340B	808000	ug/L	10000	12/04/15 11:05	
EPA 6020	Arsenic	56.5	ug/L	5.0	01/18/16 13:54	
EPA 8260	Benzene	9.1	ug/L	5.0	12/03/15 02:50	
EPA 8260	Chlorobenzene	67.9	ug/L	5.0	12/03/15 02:50	
EPA 8260	1,4-Dichlorobenzene	7.1	ug/L	5.0	12/03/15 02:50	
SM 2540C	Total Dissolved Solids	1370	mg/L	10.0	11/24/15 12:59	
EPA 410.4	Chemical Oxygen Demand	52.5	mg/L	10.0	12/02/15 17:35	
EPA 365.1	Phosphorus	2.0	mg/L	0.25	12/09/15 15:42	
SM 4500-NH3 G	Nitrogen, Ammonia	4.5	mg/L	0.10	12/01/15 09:07	
SM 5310C	Total Organic Carbon	16.8	mg/L	10.0	12/09/15 10:17	
50132719018	**PZ-115-SS**					
	Field pH	6.68	Std. Units		11/20/15 10:40	
	Field Temperature	14.8	deg C		11/20/15 10:40	
	Field Specific Conductance	2600	umhos/cm		11/20/15 10:40	
	Field Turbidity	1.33	NTU		11/20/15 10:40	
	Total Well Depth	81.03	feet		11/20/15 10:40	
	Elevation Water Level	437.89	ft/msl		11/20/15 10:40	
	Collar Elevation	452.30	ft/msl		11/20/15 10:40	
	Depth to Water	14.41	feet		11/20/15 10:40	
EPA 300.0	Chloride	422	mg/L	25.0	12/03/15 06:24	
EPA 300.0	Fluoride	0.47	mg/L	0.10	12/03/15 05:50	
EPA 300.0	Sulfate	4.0	mg/L	0.25	12/03/15 05:50	
EPA 6010	Barium	482	ug/L	10.0	12/04/15 08:43	
EPA 6010	Boron	461	ug/L	100	12/04/15 08:43	
EPA 6010	Calcium	241000	ug/L	5000	12/04/15 11:11	
EPA 6010	Cobalt	29.8	ug/L	5.0	12/04/15 08:43	
EPA 6010	Iron	2600	ug/L	50.0	12/04/15 08:43	
EPA 6010	Magnesium	104000	ug/L	500	12/04/15 08:43	
EPA 6010	Manganese	82.1	ug/L	5.0	12/04/15 08:43	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719018	**PZ-115-SS**					
EPA 6010	Nickel	73.9	ug/L	10.0	12/04/15 08:43	
EPA 6010	Sodium	146000	ug/L	1000	12/04/15 08:43	
EPA 6010	Total Hardness by 2340B	1030000	ug/L	10000	12/04/15 11:11	
SM 2540C	Total Dissolved Solids	1350	mg/L	10.0	11/24/15 13:00	
EPA 410.4	Chemical Oxygen Demand	35.0	mg/L	10.0	12/02/15 17:35	
EPA 365.1	Phosphorus	0.22	mg/L	0.050	12/09/15 15:26	
SM 4500-NH3 G	Nitrogen, Ammonia	0.61	mg/L	0.10	12/01/15 09:08	
SM 5310C	Total Organic Carbon	14.4	mg/L	10.0	12/09/15 10:17	
50132719019	**PZ-202-SS**					
	Field pH	6.85	Std. Units		11/20/15 13:30	
	Field Temperature	15.0	deg C		11/20/15 13:30	
	Field Specific Conductance	4650	umhos/cm		11/20/15 13:30	
	Field Turbidity	3.33	NTU		11/20/15 13:30	
	Total Well Depth	85.24	feet		11/20/15 13:30	
	Elevation Water Level	469.13	ft/msl		11/20/15 13:30	
	Collar Elevation	481.02	ft/msl		11/20/15 13:30	
	Depth to Water	11.89	feet		11/20/15 13:30	
EPA 300.0	Chloride	1070	mg/L	25.0	12/03/15 07:15	
EPA 300.0	Fluoride	0.17	mg/L	0.10	12/03/15 06:41	
EPA 300.0	Sulfate	6.0	mg/L	0.25	12/03/15 06:41	
EPA 6010	Barium	1700	ug/L	10.0	12/04/15 08:45	
EPA 6010	Calcium	528000	ug/L	5000	12/04/15 11:13	
EPA 6010	Iron	55000	ug/L	50.0	12/04/15 08:45	
EPA 6010	Magnesium	202000	ug/L	500	12/04/15 08:45	
EPA 6010	Manganese	2260	ug/L	5.0	12/04/15 08:45	
EPA 6010	Nickel	35.6	ug/L	10.0	12/04/15 08:45	
EPA 6010	Sodium	76400	ug/L	1000	12/04/15 08:45	
EPA 6010	Total Hardness by 2340B	2150000	ug/L	10000	12/04/15 11:13	
EPA 6020	Arsenic	29.6	ug/L	5.0	01/18/16 14:48	
EPA 8260	Benzene	69.6	ug/L	5.0	12/03/15 03:57	
SM 2540C	Total Dissolved Solids	2830	mg/L	10.0	11/24/15 13:00	
EPA 410.4	Chemical Oxygen Demand	446	mg/L	10.0	12/03/15 16:58	
SM 4500-H+B	pH at 25 Degrees C	6.6	Std. Units	0.10	11/23/15 10:09	H3
EPA 365.1	Phosphorus	0.13	mg/L	0.050	12/09/15 15:26	
SM 4500-NH3 G	Nitrogen, Ammonia	0.23	mg/L	0.10	12/01/15 09:12	
SM 5310C	Total Organic Carbon	165	mg/L	100	12/04/15 19:52	
50132719023	**PZ-103-SS**					
	Field pH	6.36	Std. Units		11/23/15 09:15	
	Field Temperature	21.1	deg C		11/23/15 09:15	
	Field Specific Conductance	1567	umhos/cm		11/23/15 09:15	
	Field Turbidity	190.6	NTU		11/23/15 09:15	
	Total Well Depth	149.62	feet		11/23/15 09:15	
	Elevation Water Level	471.90	ft/msl		11/23/15 09:15	
	Collar Elevation	483.56	ft/msl		11/23/15 09:15	
	Depth to Water	11.66	feet		11/23/15 09:15	
EPA 300.0	Chloride	11.6	mg/L	2.5	12/03/15 10:05	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719023	**PZ-103-SS**					
EPA 300.0	Fluoride	1.0	mg/L	0.10	12/03/15 09:48	
EPA 300.0	Sulfate	1.9	mg/L	0.25	12/03/15 09:48	
EPA 6010	Barium	691	ug/L	10.0	12/04/15 08:52	
EPA 6010	Boron	405	ug/L	100	12/04/15 08:52	
EPA 6010	Calcium	285000	ug/L	5000	12/04/15 11:15	
EPA 6010	Cobalt	9.6	ug/L	5.0	12/04/15 08:52	
EPA 6010	Iron	41100	ug/L	50.0	12/04/15 08:52	
EPA 6010	Magnesium	83300	ug/L	500	12/04/15 08:52	
EPA 6010	Manganese	488	ug/L	5.0	12/04/15 08:52	
EPA 6010	Nickel	53.7	ug/L	10.0	12/04/15 08:52	
EPA 6010	Sodium	91200	ug/L	1000	12/04/15 08:52	
EPA 6010	Total Hardness by 2340B	1050000	ug/L	10000	12/04/15 11:15	
EPA 6010	Zinc	228	ug/L	20.0	12/04/15 08:52	
EPA 6020	Cadmium	1.7	ug/L	0.20	01/18/16 14:16	
EPA 6020	Chromium	22.1	ug/L	5.0	01/18/16 14:16	
EPA 6020	Copper	11.7	ug/L	5.0	01/18/16 14:16	
EPA 6020	Lead	11.1	ug/L	5.0	01/18/16 14:16	
EPA 6020	Vanadium	34.1	ug/L	10.0	01/18/16 14:16	
EPA 8260	Benzene	174	ug/L	5.0	12/03/15 10:40	
EPA 8260	1,4-Dichlorobenzene	8.6	ug/L	5.0	12/03/15 10:40	
EPA 8260	Ethylbenzene	7.0	ug/L	5.0	12/03/15 10:40	
EPA 8260	Toluene	17.2	ug/L	5.0	12/03/15 10:40	
EPA 8260	Xylene (Total)	6.5	ug/L	5.0	12/03/15 10:40	
SM 2540C	Total Dissolved Solids	1090	mg/L	20.0	11/25/15 07:01	
EPA 410.4	Chemical Oxygen Demand	18.2	mg/L	10.0	12/02/15 17:35	
EPA 365.1	Phosphorus	1.3	mg/L	0.25	12/09/15 15:45	
SM 4500-NH3 G	Nitrogen, Ammonia	0.20	mg/L	0.10	12/01/15 09:15	
SM 5310C	Total Organic Carbon	4.9	mg/L	4.0	12/09/15 10:17	
50132719024	**PZ-203-SS**					
	Field pH	7.21	Std. Units		11/23/15 11:00	
	Field Temperature	14.1	deg C		11/23/15 11:00	
	Field Specific Conductance	672	umhos/cm		11/23/15 11:00	
	Field Turbidity	9.85	NTU		11/23/15 11:00	
	Total Well Depth	111.37	feet		11/23/15 11:00	
	Elevation Water Level	440.36	ft/msl		11/23/15 11:00	
	Collar Elevation	465.83	ft/msl		11/23/15 11:00	
	Depth to Water	25.47	feet		11/23/15 11:00	
EPA 300.0	Chloride	10.5	mg/L	0.25	12/03/15 10:22	
EPA 300.0	Fluoride	0.50	mg/L	0.10	12/03/15 10:22	
EPA 300.0	Sulfate	47.0	mg/L	2.5	12/03/15 10:39	
EPA 6010	Barium	100	ug/L	10.0	12/04/15 09:05	
EPA 6010	Boron	109	ug/L	100	12/04/15 09:05	
EPA 6010	Calcium	97400	ug/L	500	12/04/15 09:05	
EPA 6010	Iron	1090	ug/L	50.0	12/04/15 09:05	
EPA 6010	Magnesium	42700	ug/L	500	12/04/15 09:05	
EPA 6010	Manganese	17.8	ug/L	5.0	12/04/15 09:05	
EPA 6010	Sodium	8220	ug/L	1000	12/04/15 09:05	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719024	**PZ-203-SS**					
EPA 6010	Total Hardness by 2340B	419000	ug/L	1000	12/04/15 09:05	
SM 2540C	Total Dissolved Solids	425	mg/L	10.0	11/25/15 07:01	
SM 5310C	Total Organic Carbon	2.3	mg/L	2.0	12/09/15 10:17	
50132719025	**MW-1204**					
	Field pH	6.37	Std. Units		11/23/15 14:28	
	Field Temperature	19.2	deg C		11/23/15 14:28	
	Field Specific Conductance	6070	umhos/cm		11/23/15 14:28	
	Field Turbidity	37.66	NTU		11/23/15 14:28	
	Total Well Depth	222.52	feet		11/23/15 14:28	
	Elevation Water Level	468.98	ft/msl		11/23/15 14:28	
	Collar Elevation	485.53	ft/msl		11/23/15 14:28	
	Depth to Water	16.55	feet		11/23/15 14:28	
EPA 300.0	Chloride	1970	mg/L	250	12/03/15 12:42	
EPA 300.0	Fluoride	1.5	mg/L	1.0	12/03/15 12:08	
EPA 300.0	Sulfate	40.0	mg/L	2.5	12/03/15 12:08	
EPA 6010	Barium	9280	ug/L	10.0	12/04/15 09:07	
EPA 6010	Boron	5780	ug/L	100	12/04/15 09:07	
EPA 6010	Calcium	1430000	ug/L	5000	12/04/15 11:17	
EPA 6010	Iron	78800	ug/L	50.0	12/04/15 09:07	
EPA 6010	Magnesium	284000	ug/L	500	12/04/15 09:07	
EPA 6010	Manganese	3480	ug/L	5.0	12/04/15 09:07	
EPA 6010	Nickel	20.2	ug/L	10.0	12/04/15 09:07	
EPA 6010	Sodium	861000	ug/L	10000	12/04/15 11:17	
EPA 6010	Total Hardness by 2340B	4750000	ug/L	10000	12/04/15 11:17	
EPA 6020	Arsenic	39.0	ug/L	10.0	01/18/16 17:18	
EPA 6020	Chromium	145	ug/L	10.0	01/18/16 17:18	
EPA 6020	Vanadium	30.9	ug/L	20.0	01/18/16 17:18	
EPA 8270	Methyl methanesulfonate	341	ug/L	100	12/02/15 18:30	
EPA 8270	3&4-Methylphenol(m&p Cresol)	4020	ug/L	500	12/08/15 12:56	
EPA 8270	Phenanthrene	107	ug/L	100	12/02/15 18:30	
EPA 8270	Phenol	2500	ug/L	500	12/08/15 12:56	
EPA 8260	Acetone	16600	ug/L	1000	11/30/15 00:37	
EPA 8260	2-Butanone (MEK)	5770	ug/L	1000	11/30/15 00:37	
SM 2540C	Total Dissolved Solids	11100	mg/L	40.0	11/25/15 07:02	
EPA 410.4	Chemical Oxygen Demand	10200	mg/L	100	12/03/15 16:58	
EPA 365.1	Phosphorus	0.10	mg/L	0.050	12/09/15 15:30	
SM 4500-NH3 G	Nitrogen, Ammonia	127	mg/L	2.5	12/01/15 09:34	
SM 5310C	Total Organic Carbon	3680	mg/L	2000	12/09/15 10:17	
50132719027	**PZ-204-SS**					
	Field pH	7.59	Std. Units		11/24/15 09:32	
	Field Temperature	15.0	deg C		11/24/15 09:32	
	Field Specific Conductance	673	umhos/cm		11/24/15 09:32	
	Field Turbidity	10.73	NTU		11/24/15 09:32	
	Total Well Depth	88.00	feet		11/24/15 09:32	
	Elevation Water Level	456.94	ft/msl		11/24/15 09:32	
	Collar Elevation	464.79	ft/msl		11/24/15 09:32	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719027	**PZ-204-SS**					
	Depth to Water	7.85	feet		11/24/15 09:32	
EPA 300.0	Chloride	3.3	mg/L	0.25	12/03/15 12:59	
EPA 300.0	Fluoride	0.50	mg/L	0.10	12/03/15 12:59	
EPA 300.0	Sulfate	24.6	mg/L	2.5	12/03/15 13:16	
EPA 6010	Barium	181	ug/L	10.0	12/04/15 09:10	
EPA 6010	Boron	106	ug/L	100	12/04/15 09:10	
EPA 6010	Calcium	68500	ug/L	500	12/04/15 09:10	
EPA 6010	Iron	834	ug/L	50.0	12/04/15 09:10	
EPA 6010	Magnesium	50800	ug/L	500	12/04/15 09:10	
EPA 6010	Manganese	37.6	ug/L	5.0	12/04/15 09:10	
EPA 6010	Sodium	27800	ug/L	1000	12/04/15 09:10	
EPA 6010	Total Hardness by 2340B	380000	ug/L	1000	12/04/15 09:10	
SM 2540C	Total Dissolved Solids	413	mg/L	10.0	11/30/15 05:34	
EPA 365.1	Phosphorus	0.077	mg/L	0.050	12/09/15 13:38	
50132719028	**PZ-106-SD**					
	Field pH	6.70	Std. Units		11/24/15 12:35	
	Field Temperature	22.2	deg C		11/24/15 12:35	
	Field Specific Conductance	3970	umhos/cm		11/24/15 12:35	
	Field Turbidity	1.54	NTU		11/24/15 12:35	
	Total Well Depth	196.23	feet		11/24/15 12:35	
	Elevation Water Level	450.23	ft/msl		11/24/15 12:35	
	Collar Elevation	463.42	ft/msl		11/24/15 12:35	
	Depth to Water	13.19	feet		11/24/15 12:35	
EPA 300.0	Chloride	582	mg/L	25.0	12/03/15 14:07	
EPA 300.0	Fluoride	0.90	mg/L	0.10	12/03/15 13:33	
EPA 300.0	Sulfate	26.8	mg/L	2.5	12/03/15 13:50	
EPA 6010	Barium	1380	ug/L	10.0	12/04/15 09:12	
EPA 6010	Boron	2490	ug/L	100	12/04/15 09:12	
EPA 6010	Calcium	145000	ug/L	500	12/04/15 09:12	
EPA 6010	Cobalt	6.3	ug/L	5.0	12/04/15 09:12	
EPA 6010	Iron	3450	ug/L	50.0	12/04/15 09:12	
EPA 6010	Magnesium	118000	ug/L	500	12/04/15 09:12	
EPA 6010	Manganese	30.7	ug/L	5.0	12/04/15 09:12	
EPA 6010	Nickel	45.7	ug/L	10.0	12/04/15 09:12	
EPA 6010	Sodium	462000	ug/L	10000	12/04/15 11:19	
EPA 6010	Total Hardness by 2340B	848000	ug/L	1000	12/04/15 09:12	
EPA 6020	Chromium	19.6	ug/L	5.0	01/18/16 16:47	
SM 2540C	Total Dissolved Solids	2210	mg/L	10.0	11/30/15 05:34	
EPA 410.4	Chemical Oxygen Demand	519	mg/L	10.0	12/03/15 16:58	
EPA 365.1	Phosphorus	0.15	mg/L	0.050	12/09/15 13:39	
SM 4500-NH3 G	Nitrogen, Ammonia	83.4	mg/L	1.0	12/01/15 11:31	
SM 5310C	Total Organic Carbon	173	mg/L	100	12/09/15 10:17	
50132719029	**PZ-106-SS**					
	Field pH	7.13	Std. Units		11/24/15 14:25	
	Field Temperature	21.8	deg C		11/24/15 14:25	
	Field Specific Conductance	710	umhos/cm		11/24/15 14:25	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50132719029	**PZ-106-SS**					
	Field Turbidity	1.16	NTU		11/24/15 14:25	
	Total Well Depth	161.39	feet		11/24/15 14:25	
	Elevation Water Level	450.11	ft/msl		11/24/15 14:25	
	Collar Elevation	462.70	ft/msl		11/24/15 14:25	
	Depth to Water	12.59	feet		11/24/15 14:25	
EPA 300.0	Chloride	23.3	mg/L	2.5	12/03/15 15:15	
EPA 300.0	Fluoride	2.1	mg/L	0.10	12/03/15 14:58	
EPA 300.0	Sulfate	50.2	mg/L	2.5	12/03/15 15:15	
EPA 6010	Barium	143	ug/L	10.0	12/04/15 09:14	
EPA 6010	Calcium	99100	ug/L	500	12/04/15 09:14	
EPA 6010	Iron	1030	ug/L	50.0	12/04/15 09:14	
EPA 6010	Magnesium	47000	ug/L	500	12/04/15 09:14	
EPA 6010	Manganese	12.2	ug/L	5.0	12/04/15 09:14	
EPA 6010	Sodium	14500	ug/L	1000	12/04/15 09:14	
EPA 6010	Total Hardness by 2340B	441000	ug/L	1000	12/04/15 09:14	
SM 2540C	Total Dissolved Solids	466	mg/L	10.0	11/30/15 05:34	
SM 5310C	Total Organic Carbon	2.0	mg/L	1.0	12/09/15 10:17	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SS **Lab ID: 50132719002** Collected: 11/17/15 09:33 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.04**	Std. Units		1		11/17/15 09:33		
Field Temperature	**15.9**	deg C		1		11/17/15 09:33		
Field Specific Conductance	**830**	umhos/cm		1		11/17/15 09:33		
Field Turbidity	**0.82**	NTU		1		11/17/15 09:33		
Total Well Depth	**89.37**	feet		1		11/17/15 09:33		
Elevation Water Level	**456.35**	ft/msl		1		11/17/15 09:33		
Collar Elevation	**485.84**	ft/msl		1		11/17/15 09:33		
Depth to Water	**29.49**	feet		1		11/17/15 09:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**4.9**	mg/L	0.25	1		11/24/15 11:36	16887-00-6	
Fluoride	**0.61**	mg/L	0.10	1		11/24/15 11:36	16984-48-8	
Sulfate	**37.5**	mg/L	2.5	10		11/24/15 11:54	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	11/19/15 14:00	11/19/15 21:52	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/19/15 14:00	11/19/15 21:52	58-89-9	
beta-BHC	ND	ug/L	0.050	1	11/19/15 14:00	11/19/15 21:52	319-85-7	
Heptachlor	ND	ug/L	0.050	1	11/19/15 14:00	11/19/15 21:52	76-44-8	
delta-BHC	ND	ug/L	0.050	1	11/19/15 14:00	11/19/15 21:52	319-86-8	
Aldrin	ND	ug/L	0.050	1	11/19/15 14:00	11/19/15 21:52	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	11/19/15 14:00	11/19/15 21:52	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	11/19/15 14:00	11/19/15 21:52	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	11/19/15 14:00	11/19/15 21:52	72-55-9	
Dieldrin	ND	ug/L	0.10	1	11/19/15 14:00	11/19/15 21:52	60-57-1	
Endrin	ND	ug/L	0.10	1	11/19/15 14:00	11/19/15 21:52	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	11/19/15 14:00	11/19/15 21:52	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	11/19/15 14:00	11/19/15 21:52	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	11/19/15 14:00	11/19/15 21:52	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	11/19/15 14:00	11/19/15 21:52	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	11/19/15 14:00	11/19/15 21:52	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	11/19/15 14:00	11/19/15 21:52	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	11/19/15 14:00	11/19/15 21:52	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/19/15 14:00	11/19/15 21:52	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/19/15 14:00	11/19/15 21:52	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	11/19/15 14:00	11/19/15 21:52	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	65	%.	10-128	1	11/19/15 14:00	11/19/15 21:52	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:33	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/19/15 14:00	11/20/15 13:33	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:33	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:33	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:33	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:33	11097-69-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SS **Lab ID: 50132719002** Collected: 11/17/15 09:33 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:33	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	61	%.	32-115	1	11/19/15 14:00	11/20/15 13:33	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	1.0	1	11/19/15 10:50	11/19/15 23:02	93-76-5	
2,4-D	ND	ug/L	1.0	1	11/19/15 10:50	11/19/15 23:02	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	11/19/15 10:50	11/19/15 23:02	93-72-1	
Surrogates								
2,4-DCAA (S)	88	%.	24-210	1	11/19/15 10:50	11/19/15 23:02	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**69.4**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:27	7440-39-3	
Boron	**158**	ug/L	100	1	11/20/15 11:02	11/30/15 17:27	7440-42-8	
Calcium	**89000**	ug/L	500	1	11/20/15 11:02	11/30/15 17:27	7440-70-2	
Cobalt	ND	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:27	7440-48-4	
Iron	**50.1**	ug/L	50.0	1	11/20/15 11:02	11/30/15 17:27	7439-89-6	
Magnesium	**51400**	ug/L	500	1	11/20/15 11:02	11/30/15 17:27	7439-95-4	
Manganese	ND	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:27	7439-96-5	
Nickel	**14.0**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:27	7440-02-0	
Sodium	**12000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:27	7440-23-5	
Tin	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:27	7440-31-5	
Total Hardness by 2340B	**434000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:27		
Zinc	**25.7**	ug/L	20.0	1	11/20/15 11:02	11/30/15 17:27	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:47	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:47	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 12:47	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 12:47	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:47	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:47	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:47	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:47	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:47	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 12:47	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 12:47	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 16:40	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	53-96-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SS **Lab ID: 50132719002** Collected: 11/17/15 09:33 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
4-Aminobiphenyl	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	218-01-9	
Diallate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 15:59	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 15:59	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 15:59	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	62-50-0	
Famphur	ND	ug/L	200	1	11/20/15 13:10	11/24/15 15:59	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	206-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SS **Lab ID: 50132719002** Collected: 11/17/15 09:33 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Fluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	120-58-1	
Kepone	ND	ug/L	200	1	11/20/15 13:10	11/24/15 15:59	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59		
1-Naphthalenamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 15:59	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	85-01-8	
Phenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 15:59	106-50-3	
Phorate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	298-02-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SS **Lab ID: 50132719002** Collected: 11/17/15 09:33 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Pronamide	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	129-00-0	
Safrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 15:59	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 15:59	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	92	%.	38-124	1	11/20/15 13:10	11/24/15 15:59	4165-60-0	
2-Fluorobiphenyl (S)	98	%.	33-114	1	11/20/15 13:10	11/24/15 15:59	321-60-8	
p-Terphenyl-d14 (S)	52	%.	10-113	1	11/20/15 13:10	11/24/15 15:59	1718-51-0	
Phenol-d5 (S)	34	%.	10-58	1	11/20/15 13:10	11/24/15 15:59	4165-62-2	
2-Fluorophenol (S)	48	%.	11-79	1	11/20/15 13:10	11/24/15 15:59	367-12-4	
2,4,6-Tribromophenol (S)	97	%.	29-158	1	11/20/15 13:10	11/24/15 15:59	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		11/30/15 21:56	67-64-1	
Acetonitrile	ND	ug/L	100	1		11/30/15 21:56	75-05-8	
Acrolein	ND	ug/L	50.0	1		11/30/15 21:56	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/30/15 21:56	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		11/30/15 21:56	107-05-1	N2
Benzene	ND	ug/L	5.0	1		11/30/15 21:56	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/30/15 21:56	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/30/15 21:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/30/15 21:56	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/30/15 21:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/30/15 21:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/30/15 21:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/30/15 21:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/30/15 21:56	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/30/15 21:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/30/15 21:56	67-66-3	
Chloromethane	ND	ug/L	10.0	1		11/30/15 21:56	74-87-3	
Chloroprene	ND	ug/L	100	1		11/30/15 21:56	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/30/15 21:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/30/15 21:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/30/15 21:56	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		11/30/15 21:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 21:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 21:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 21:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		11/30/15 21:56	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/30/15 21:56	75-71-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SS **Lab ID: 50132719002** Collected: 11/17/15 09:33 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	5.0	1		11/30/15 21:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/30/15 21:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/30/15 21:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/30/15 21:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/30/15 21:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/30/15 21:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/30/15 21:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/30/15 21:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/30/15 21:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/30/15 21:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/30/15 21:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/30/15 21:56	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/30/15 21:56	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		11/30/15 21:56	591-78-6	
Iodomethane	ND	ug/L	5.0	1		11/30/15 21:56	74-88-4	
Isobutanol	ND	ug/L	100	1		11/30/15 21:56	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		11/30/15 21:56	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		11/30/15 21:56	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		11/30/15 21:56	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/30/15 21:56	108-10-1	
Propionitrile	ND	ug/L	100	1		11/30/15 21:56	107-12-0	N2
Styrene	ND	ug/L	5.0	1		11/30/15 21:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/30/15 21:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/30/15 21:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/30/15 21:56	127-18-4	
Toluene	ND	ug/L	5.0	1		11/30/15 21:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/30/15 21:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/30/15 21:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/30/15 21:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/30/15 21:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/30/15 21:56	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/30/15 21:56	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/30/15 21:56	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		11/30/15 21:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		11/30/15 21:56	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114	1		11/30/15 21:56	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		11/30/15 21:56	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**432**	mg/L	10.0	1		11/19/15 14:07		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SS **Lab ID: 50132719002** Collected: 11/17/15 09:33 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/18/15 15:10		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.23**	mg/L	0.10	1		12/09/15 09:40		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/02/15 11:00	12/04/15 12:14	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		11/19/15 11:43	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	11/30/15 12:30	11/30/15 16:16	57-12-5	

Sample: PZ-100-SD **Lab ID: 50132719003** Collected: 11/17/15 13:15 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.24**	Std. Units		1		11/17/15 13:15		
Field Temperature	**15.8**	deg C		1		11/17/15 13:15		
Field Specific Conductance	**635**	umhos/cm		1		11/17/15 13:15		
Field Turbidity	**0.01**	NTU		1		11/17/15 13:15		
Total Well Depth	**96.21**	feet		1		11/17/15 13:15		
Elevation Water Level	**455.52**	ft/msl		1		11/17/15 13:15		
Collar Elevation	**485.82**	ft/msl		1		11/17/15 13:15		
Depth to Water	**30.30**	feet		1		11/17/15 13:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1.9**	mg/L	0.25	1		11/24/15 12:13	16887-00-6	
Fluoride	**2.1**	mg/L	0.10	1		11/24/15 12:13	16984-48-8	
Sulfate	**8.7**	mg/L	0.25	1		11/24/15 12:13	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/19/15 14:00	11/20/15 19:01	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	11/19/15 14:00	11/20/15 19:01	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/19/15 14:00	11/20/15 19:01	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/19/15 14:00	11/20/15 19:01	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/19/15 14:00	11/20/15 19:01	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/19/15 14:00	11/20/15 19:01	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/19/15 14:00	11/20/15 19:01	5103-71-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SD **Lab ID: 50132719003** Collected: 11/17/15 13:15 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
gamma-Chlordane	ND	ug/L	0.50	1	11/19/15 14:00	11/20/15 19:01	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 19:01	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 19:01	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 19:01	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 19:01	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/19/15 14:00	11/20/15 19:01	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 19:01	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 19:01	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 19:01	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 19:01	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/19/15 14:00	11/20/15 19:01	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/19/15 14:00	11/20/15 19:01	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/19/15 14:00	11/20/15 19:01	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/19/15 14:00	11/20/15 19:01	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	48	%.	10-128	1	11/19/15 14:00	11/20/15 19:01	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:41	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/19/15 14:00	11/20/15 13:41	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:41	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:41	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:41	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:41	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/19/15 14:00	11/20/15 13:41	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	65	%.	32-115	1	11/19/15 14:00	11/20/15 13:41	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	11/19/15 10:50	11/19/15 23:32	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	11/19/15 10:50	11/19/15 23:32	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/19/15 10:50	11/19/15 23:32	93-72-1	
Surrogates								
2,4-DCAA (S)	99	%.	24-210	1	11/19/15 10:50	11/19/15 23:32	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**320**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:30	7440-39-3	
Boron	ND	ug/L	100	1	11/20/15 11:02	11/30/15 17:30	7440-42-8	
Calcium	**74300**	ug/L	500	1	11/20/15 11:02	11/30/15 17:30	7440-70-2	
Cobalt	ND	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:30	7440-48-4	
Iron	**545**	ug/L	50.0	1	11/20/15 11:02	11/30/15 17:30	7439-89-6	
Magnesium	**34700**	ug/L	500	1	11/20/15 11:02	11/30/15 17:30	7439-95-4	
Manganese	**26.9**	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:30	7439-96-5	
Nickel	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:30	7440-02-0	
Sodium	**8260**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:30	7440-23-5	
Tin	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:30	7440-31-5	
Total Hardness by 2340B	**328000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:30		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SD **Lab ID: 50132719003** Collected: 11/17/15 13:15 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Zinc	ND	ug/L	20.0	1	11/20/15 11:02	11/30/15 17:30	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:52	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:52	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 12:52	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 12:52	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:52	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:52	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:52	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:52	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:52	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 12:52	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 12:52	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 16:42	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	218-01-9	
Diallate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	132-64-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SD **Lab ID: 50132719003** Collected: 11/17/15 13:15 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:19	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:19	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:19	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	62-50-0	
Famphur	ND	ug/L	200	1	11/20/15 13:10	11/24/15 16:19	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	120-58-1	
Kepone	ND	ug/L	200	1	11/20/15 13:10	11/24/15 16:19	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19		
1-Naphthalenamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	88-74-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SD **Lab ID: 50132719003** Collected: 11/17/15 13:15 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:19	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	85-01-8	
Phenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:19	106-50-3	
Phorate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	129-00-0	
Safrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:19	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:19	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	81	%.	38-124	1	11/20/15 13:10	11/24/15 16:19	4165-60-0	
2-Fluorobiphenyl (S)	80	%.	33-114	1	11/20/15 13:10	11/24/15 16:19	321-60-8	
p-Terphenyl-d14 (S)	43	%.	10-113	1	11/20/15 13:10	11/24/15 16:19	1718-51-0	
Phenol-d5 (S)	31	%.	10-58	1	11/20/15 13:10	11/24/15 16:19	4165-62-2	
2-Fluorophenol (S)	47	%.	11-79	1	11/20/15 13:10	11/24/15 16:19	367-12-4	
2,4,6-Tribromophenol (S)	88	%.	29-158	1	11/20/15 13:10	11/24/15 16:19	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		11/30/15 00:03	67-64-1	
Acetonitrile	ND	ug/L	100	1		11/30/15 00:03	75-05-8	
Acrolein	ND	ug/L	50.0	1		11/30/15 00:03	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SD **Lab ID: 50132719003** Collected: 11/17/15 13:15 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acrylonitrile	ND	ug/L	100	1		11/30/15 00:03	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		11/30/15 00:03	107-05-1	N2
Benzene	ND	ug/L	5.0	1		11/30/15 00:03	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/30/15 00:03	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/30/15 00:03	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/30/15 00:03	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/30/15 00:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/30/15 00:03	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/30/15 00:03	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/30/15 00:03	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/30/15 00:03	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/30/15 00:03	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/30/15 00:03	67-66-3	
Chloromethane	ND	ug/L	10.0	1		11/30/15 00:03	74-87-3	
Chloroprene	ND	ug/L	100	1		11/30/15 00:03	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/30/15 00:03	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/30/15 00:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/30/15 00:03	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		11/30/15 00:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 00:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 00:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 00:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		11/30/15 00:03	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/30/15 00:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/30/15 00:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/30/15 00:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/30/15 00:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/30/15 00:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/30/15 00:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/30/15 00:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/30/15 00:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/30/15 00:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/30/15 00:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/30/15 00:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/30/15 00:03	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/30/15 00:03	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/30/15 00:03	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		11/30/15 00:03	591-78-6	
Iodomethane	ND	ug/L	5.0	1		11/30/15 00:03	74-88-4	
Isobutanol	ND	ug/L	100	1		11/30/15 00:03	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		11/30/15 00:03	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		11/30/15 00:03	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		11/30/15 00:03	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/30/15 00:03	108-10-1	
Propionitrile	ND	ug/L	100	1		11/30/15 00:03	107-12-0	N2
Styrene	ND	ug/L	5.0	1		11/30/15 00:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/30/15 00:03	630-20-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-100-SD **Lab ID: 50132719003** Collected: 11/17/15 13:15 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/30/15 00:03	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/30/15 00:03	127-18-4	
Toluene	ND	ug/L	5.0	1		11/30/15 00:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/30/15 00:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/30/15 00:03	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/30/15 00:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/30/15 00:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/30/15 00:03	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/30/15 00:03	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/30/15 00:03	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		11/30/15 00:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		11/30/15 00:03	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114	1		11/30/15 00:03	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		11/30/15 00:03	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**328**	mg/L	10.0	1		11/19/15 14:08		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/18/15 15:10		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 09:43		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/02/15 11:00	12/04/15 12:15	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.15**	mg/L	0.10	1		11/19/15 11:44	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.2**	mg/L	1.0	1		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	11/30/15 12:30	11/30/15 16:18	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-01 **Lab ID: 50132719004** Collected: 11/17/15 08:00 Received: 11/18/15 09:20 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		11/30/15 21:22	67-64-1	
Acetonitrile	ND	ug/L	100	1		11/30/15 21:22	75-05-8	
Acrolein	ND	ug/L	50.0	1		11/30/15 21:22	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/30/15 21:22	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		11/30/15 21:22	107-05-1	N2
Benzene	ND	ug/L	5.0	1		11/30/15 21:22	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/30/15 21:22	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/30/15 21:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/30/15 21:22	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/30/15 21:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/30/15 21:22	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/30/15 21:22	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/30/15 21:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/30/15 21:22	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/30/15 21:22	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/30/15 21:22	67-66-3	
Chloromethane	ND	ug/L	10.0	1		11/30/15 21:22	74-87-3	
Chloroprene	ND	ug/L	100	1		11/30/15 21:22	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/30/15 21:22	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/30/15 21:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/30/15 21:22	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		11/30/15 21:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 21:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 21:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/30/15 21:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		11/30/15 21:22	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/30/15 21:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/30/15 21:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/30/15 21:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/30/15 21:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/30/15 21:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/30/15 21:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/30/15 21:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/30/15 21:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/30/15 21:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/30/15 21:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/30/15 21:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/30/15 21:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/30/15 21:22	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/30/15 21:22	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		11/30/15 21:22	591-78-6	
Iodomethane	ND	ug/L	5.0	1		11/30/15 21:22	74-88-4	
Isobutanol	ND	ug/L	100	1		11/30/15 21:22	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		11/30/15 21:22	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		11/30/15 21:22	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		11/30/15 21:22	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/30/15 21:22	108-10-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-01 **Lab ID: 50132719004** Collected: 11/17/15 08:00 Received: 11/18/15 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Propionitrile	ND	ug/L	100	1		11/30/15 21:22	107-12-0	N2
Styrene	ND	ug/L	5.0	1		11/30/15 21:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/30/15 21:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/30/15 21:22	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/30/15 21:22	127-18-4	
Toluene	ND	ug/L	5.0	1		11/30/15 21:22	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/30/15 21:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/30/15 21:22	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/30/15 21:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/30/15 21:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/30/15 21:22	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/30/15 21:22	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/30/15 21:22	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		11/30/15 21:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		11/30/15 21:22	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		11/30/15 21:22	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		11/30/15 21:22	2037-26-5	

Sample: PZ-201A-SS **Lab ID: 50132719005** Collected: 11/18/15 08:34 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.20**	Std. Units		1		11/18/15 08:34		
Field Temperature	**16.1**	deg C		1		11/18/15 08:34		
Field Specific Conductance	**851**	umhos/cm		1		11/18/15 08:34		
Field Turbidity	**1.33**	NTU		1		11/18/15 08:34		
Total Well Depth	**86.20**	feet		1		11/18/15 08:34		
Elevation Water Level	**470.33**	ft/msl		1		11/18/15 08:34		
Collar Elevation	**480.16**	ft/msl		1		11/18/15 08:34		
Depth to Water	**9.83**	feet		1		11/18/15 08:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**4.0**	mg/L	0.25	1		11/25/15 11:59	16887-00-6	
Fluoride	**0.34**	mg/L	0.10	1		11/25/15 11:59	16984-48-8	
Sulfate	**61.9**	mg/L	2.5	10		11/25/15 12:17	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 16:55	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 16:55	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 16:55	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 16:55	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 16:55	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/20/15 11:00	11/20/15 16:55	57-74-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-201A-SS **Lab ID: 50132719005** Collected: 11/18/15 08:34 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-Chlordane	ND	ug/L	0.50	1	11/20/15 11:00	11/20/15 16:55	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/20/15 11:00	11/20/15 16:55	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 16:55	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 16:55	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 16:55	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 16:55	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 16:55	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 16:55	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 16:55	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 16:55	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 16:55	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 16:55	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 16:55	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/20/15 11:00	11/20/15 16:55	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/20/15 11:00	11/20/15 16:55	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	59	%.	10-128	1	11/20/15 11:00	11/20/15 16:55	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:45	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/20/15 11:00	11/23/15 10:45	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:45	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:45	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:45	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:45	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:45	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	71	%.	32-115	1	11/20/15 11:00	11/23/15 10:45	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 20:11	94-75-7	
2,4,5-T	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 20:11	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 20:11	93-72-1	
Surrogates								
2,4-DCAA (S)	91	%.	24-210	1	11/23/15 14:40	11/24/15 20:11	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**128**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:47	7440-39-3	
Boron	ND	ug/L	100	1	11/20/15 11:02	11/30/15 17:47	7440-42-8	
Calcium	**92500**	ug/L	500	1	11/20/15 11:02	11/30/15 17:47	7440-70-2	
Cobalt	ND	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:47	7440-48-4	
Iron	**98.8**	ug/L	50.0	1	11/20/15 11:02	11/30/15 17:47	7439-89-6	
Magnesium	**46300**	ug/L	500	1	11/20/15 11:02	11/30/15 17:47	7439-95-4	
Manganese	**14.8**	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:47	7439-96-5	
Nickel	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:47	7440-02-0	
Sodium	**13600**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:47	7440-23-5	
Tin	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:47	7440-31-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-201A-SS **Lab ID: 50132719005** Collected: 11/18/15 08:34 Received: 11/19/15 08:45 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	**422000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:47		
Zinc	**74.0**	ug/L	20.0	1	11/20/15 11:02	11/30/15 17:47	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:56	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:56	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 12:56	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 12:56	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:56	7440-47-3	
Copper	**6.4**	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:56	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:56	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:56	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 12:56	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 12:56	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 12:56	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 16:44	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	218-01-9	
Diallate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	53-70-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-201A-SS **Lab ID: 50132719005** Collected: 11/18/15 08:34 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Dibenzofuran	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:39	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:39	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:39	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	62-50-0	
Famphur	ND	ug/L	200	1	11/20/15 13:10	11/24/15 16:39	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	120-58-1	
Kepone	ND	ug/L	200	1	11/20/15 13:10	11/24/15 16:39	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39		
1-Naphthalenamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	130-15-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-201A-SS **Lab ID: 50132719005** Collected: 11/18/15 08:34 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:39	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	85-01-8	
Phenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:39	106-50-3	
Phorate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	129-00-0	
Safrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:39	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:39	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	88	%.	38-124	1	11/20/15 13:10	11/24/15 16:39	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	33-114	1	11/20/15 13:10	11/24/15 16:39	321-60-8	
p-Terphenyl-d14 (S)	58	%.	10-113	1	11/20/15 13:10	11/24/15 16:39	1718-51-0	
Phenol-d5 (S)	33	%.	10-58	1	11/20/15 13:10	11/24/15 16:39	4165-62-2	
2-Fluorophenol (S)	50	%.	11-79	1	11/20/15 13:10	11/24/15 16:39	367-12-4	
2,4,6-Tribromophenol (S)	100	%.	29-158	1	11/20/15 13:10	11/24/15 16:39	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/01/15 13:37	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/01/15 13:37	75-05-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-201A-SS **Lab ID: 50132719005** Collected: 11/18/15 08:34 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acrolein	ND	ug/L	50.0	1		12/01/15 13:37	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/01/15 13:37	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/01/15 13:37	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/01/15 13:37	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/01/15 13:37	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/01/15 13:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/01/15 13:37	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/01/15 13:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/15 13:37	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/01/15 13:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/01/15 13:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/01/15 13:37	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/01/15 13:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/01/15 13:37	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/01/15 13:37	74-87-3	
Chloroprene	ND	ug/L	100	1		12/01/15 13:37	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/01/15 13:37	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/01/15 13:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/01/15 13:37	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/01/15 13:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 13:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 13:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 13:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/01/15 13:37	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/01/15 13:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/01/15 13:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/15 13:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/01/15 13:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 13:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 13:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 13:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/01/15 13:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 13:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/01/15 13:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 13:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 13:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/01/15 13:37	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/01/15 13:37	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/01/15 13:37	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/01/15 13:37	74-88-4	
Isobutanol	ND	ug/L	100	1		12/01/15 13:37	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/01/15 13:37	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/01/15 13:37	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/01/15 13:37	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/15 13:37	108-10-1	
Propionitrile	ND	ug/L	100	1		12/01/15 13:37	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/01/15 13:37	100-42-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-201A-SS **Lab ID: 50132719005** Collected: 11/18/15 08:34 Received: 11/19/15 08:45 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		12/01/15 13:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 13:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/01/15 13:37	127-18-4	
Toluene	ND	ug/L	5.0	1		12/01/15 13:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/01/15 13:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/01/15 13:37	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/01/15 13:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/01/15 13:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/01/15 13:37	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/01/15 13:37	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/01/15 13:37	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/01/15 13:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/01/15 13:37	1868-53-7	
4-Bromofluorobenzene (S)	92	%.	80-114	1		12/01/15 13:37	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		12/01/15 13:37	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**456**	mg/L	10.0	1		11/22/15 09:01		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/20/15 09:46		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.37**	mg/L	0.10	1		12/09/15 09:47		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:16	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		11/23/15 10:14	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/01/15 12:10	12/01/15 17:14	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SS **Lab ID: 50132719006** Collected: 11/18/15 10:53 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.98**	Std. Units		1		11/18/15 10:53		
Field Temperature	**25.6**	deg C		1		11/18/15 10:53		
Field Specific Conductance	**817**	umhos/cm		1		11/18/15 10:53		
Field Turbidity	**1.47**	NTU		1		11/18/15 10:53		
Total Well Depth	**140.25**	feet		1		11/18/15 10:53		
Elevation Water Level	**463.14**	ft/msl		1		11/18/15 10:53		
Collar Elevation	**483.63**	ft/msl		1		11/18/15 10:53		
Depth to Water	**20.49**	feet		1		11/18/15 10:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.7**	mg/L	0.25	1		11/25/15 12:36	16887-00-6	
Fluoride	**0.76**	mg/L	0.10	1		11/25/15 12:36	16984-48-8	
Sulfate	**19.6**	mg/L	0.25	1		11/25/15 12:36	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 17:07	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 17:07	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 17:07	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 17:07	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 17:07	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/20/15 11:00	11/20/15 17:07	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/20/15 11:00	11/20/15 17:07	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/20/15 11:00	11/20/15 17:07	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 17:07	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 17:07	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 17:07	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 17:07	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 17:07	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 17:07	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 17:07	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 17:07	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/20/15 11:00	11/20/15 17:07	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 17:07	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/20/15 11:00	11/20/15 17:07	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/20/15 11:00	11/20/15 17:07	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/20/15 11:00	11/20/15 17:07	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	63	%.	10-128	1	11/20/15 11:00	11/20/15 17:07	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/20/15 11:00	11/23/15 10:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:53	11097-69-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SS **Lab ID: 50132719006** Collected: 11/18/15 10:53 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/20/15 11:00	11/23/15 10:53	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	66	%.	32-115	1	11/20/15 11:00	11/23/15 10:53	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	11/23/15 14:40	11/24/15 20:42	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	11/23/15 14:40	11/24/15 20:42	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/23/15 14:40	11/24/15 20:42	93-72-1	
Surrogates								
2,4-DCAA (S)	100	%.	24-210	1	11/23/15 14:40	11/24/15 20:42	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**106**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:50	7440-39-3	
Boron	**137**	ug/L	100	1	11/20/15 11:02	11/30/15 17:50	7440-42-8	
Calcium	**80500**	ug/L	500	1	11/20/15 11:02	11/30/15 17:50	7440-70-2	
Cobalt	ND	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:50	7440-48-4	
Iron	**406**	ug/L	50.0	1	11/20/15 11:02	11/30/15 17:50	7439-89-6	
Magnesium	**48300**	ug/L	500	1	11/20/15 11:02	11/30/15 17:50	7439-95-4	
Manganese	**25.1**	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:50	7439-96-5	
Nickel	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:50	7440-02-0	
Sodium	**15000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:50	7440-23-5	
Tin	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:50	7440-31-5	
Total Hardness by 2340B	**400000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:50		
Zinc	ND	ug/L	20.0	1	11/20/15 11:02	11/30/15 17:50	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:00	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:00	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:00	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 13:00	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:00	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:00	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:00	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:00	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:00	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:00	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 13:00	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 16:50	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	53-96-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SS **Lab ID: 50132719006** Collected: 11/18/15 10:53 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
4-Aminobiphenyl	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	218-01-9	
Diallate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:59	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:59	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:59	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	62-50-0	
Famphur	ND	ug/L	200	1	11/20/15 13:10	11/24/15 16:59	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	206-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SS **Lab ID: 50132719006** Collected: 11/18/15 10:53 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Fluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	120-58-1	
Kepone	ND	ug/L	200	1	11/20/15 13:10	11/24/15 16:59	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59		
1-Naphthalenamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 16:59	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	85-01-8	
Phenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:59	106-50-3	
Phorate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	298-02-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SS **Lab ID: 50132719006** Collected: 11/18/15 10:53 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Pronamide	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	129-00-0	
Safrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 16:59	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 16:59	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	87	%.	38-124	1	11/20/15 13:10	11/24/15 16:59	4165-60-0	
2-Fluorobiphenyl (S)	85	%.	33-114	1	11/20/15 13:10	11/24/15 16:59	321-60-8	
p-Terphenyl-d14 (S)	57	%.	10-113	1	11/20/15 13:10	11/24/15 16:59	1718-51-0	
Phenol-d5 (S)	34	%.	10-58	1	11/20/15 13:10	11/24/15 16:59	4165-62-2	
2-Fluorophenol (S)	51	%.	11-79	1	11/20/15 13:10	11/24/15 16:59	367-12-4	
2,4,6-Tribromophenol (S)	96	%.	29-158	1	11/20/15 13:10	11/24/15 16:59	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/01/15 05:47	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/01/15 05:47	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/01/15 05:47	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/01/15 05:47	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/01/15 05:47	107-05-1	N2
Benzene	**469**	ug/L	50.0	10		12/01/15 19:26	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/01/15 05:47	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/01/15 05:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/01/15 05:47	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/01/15 05:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/15 05:47	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/01/15 05:47	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/01/15 05:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/01/15 05:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/01/15 05:47	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/01/15 05:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/01/15 05:47	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/01/15 05:47	74-87-3	
Chloroprene	ND	ug/L	100	1		12/01/15 05:47	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/01/15 05:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/01/15 05:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/01/15 05:47	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/01/15 05:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 05:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 05:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 05:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/01/15 05:47	110-57-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SS **Lab ID: 50132719006** Collected: 11/18/15 10:53 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/01/15 05:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/01/15 05:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/15 05:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/01/15 05:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 05:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 05:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 05:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/01/15 05:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 05:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/01/15 05:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 05:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 05:47	10061-02-6	
Ethylbenzene	**8.7**	ug/L	5.0	1		12/01/15 05:47	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/01/15 05:47	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/01/15 05:47	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/01/15 05:47	74-88-4	
Isobutanol	ND	ug/L	100	1		12/01/15 05:47	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/01/15 05:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/01/15 05:47	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/01/15 05:47	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/01/15 05:47	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/01/15 05:47	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/15 05:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/01/15 05:47	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/01/15 05:47	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/01/15 05:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 05:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 05:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/01/15 05:47	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/01/15 05:47	109-99-9	N2
Toluene	**5.2**	ug/L	5.0	1		12/01/15 05:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/01/15 05:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/01/15 05:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/01/15 05:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/01/15 05:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/01/15 05:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/01/15 05:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/01/15 05:47	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/01/15 05:47	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/01/15 05:47	75-01-4	
Xylene (Total)	**23.1**	ug/L	5.0	1		12/01/15 05:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/01/15 05:47	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		12/01/15 05:47	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		12/01/15 05:47	2037-26-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SS **Lab ID: 50132719006** Collected: 11/18/15 10:53 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**416**	mg/L	10.0	1		11/22/15 09:02		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/20/15 09:47		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 09:48		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:17	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		11/23/15 10:15	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.7**	mg/L	1.0	1		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/01/15 12:10	12/01/15 17:18	57-12-5	

Sample: PZ-104-SD **Lab ID: 50132719007** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.92**	Std. Units		1		11/18/15 13:40		
Field Temperature	**25.4**	deg C		1		11/18/15 13:40		
Field Specific Conductance	**2070**	umhos/cm		1		11/18/15 13:40		
Field Turbidity	**2.35**	NTU		1		11/18/15 13:40		
Total Well Depth	**120.63**	feet		1		11/18/15 13:40		
Elevation Water Level	**462.57**	ft/msl		1		11/18/15 13:40		
Collar Elevation	**483.69**	ft/msl		1		11/18/15 13:40		
Depth to Water	**21.12**	feet		1		11/18/15 13:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**253**	mg/L	25.0	100		12/01/15 03:04	16887-00-6	
Fluoride	**0.95**	mg/L	0.10	1		11/25/15 12:54	16984-48-8	
Sulfate	**1.2**	mg/L	0.25	1		11/25/15 12:54	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:13	309-00-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD **Lab ID: 50132719007** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:13	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:13	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:13	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:13	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/20/15 11:00	11/22/15 18:13	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/20/15 11:00	11/22/15 18:13	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/20/15 11:00	11/22/15 18:13	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:13	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:13	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:13	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:13	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:13	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:13	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:13	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:13	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:13	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:13	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:13	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/20/15 11:00	11/22/15 18:13	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/20/15 11:00	11/22/15 18:13	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	15	%.	10-128	1	11/20/15 11:00	11/22/15 18:13	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 16:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/20/15 11:00	11/24/15 16:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 16:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 16:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 16:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 16:53	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 16:53	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	57	%.	32-115	1	11/20/15 11:00	11/24/15 16:53	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 22:44	94-75-7	
2,4,5-T	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 22:44	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 22:44	93-72-1	
Surrogates								
2,4-DCAA (S)	0	%.	24-210	1	11/23/15 14:40	11/24/15 22:44	19719-28-9	S5
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**553**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:53	7440-39-3	
Boron	**1030**	ug/L	100	1	11/20/15 11:02	11/30/15 17:53	7440-42-8	
Calcium	**105000**	ug/L	500	1	11/20/15 11:02	11/30/15 17:53	7440-70-2	
Cobalt	ND	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:53	7440-48-4	
Iron	**12800**	ug/L	50.0	1	11/20/15 11:02	11/30/15 17:53	7439-89-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD **Lab ID: 50132719007** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 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	**65900**	ug/L	500	1	11/20/15 11:02	11/30/15 17:53	7439-95-4	
Manganese	**139**	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:53	7439-96-5	
Nickel	**64.0**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:53	7440-02-0	
Sodium	**162000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:53	7440-23-5	
Tin	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:53	7440-31-5	
Total Hardness by 2340B	**534000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:53		
Zinc	ND	ug/L	20.0	1	11/20/15 11:02	11/30/15 17:53	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:39	7440-36-0	
Arsenic	**14.2**	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:39	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:39	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 14:39	7440-43-9	
Chromium	**14.3**	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:39	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:39	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:39	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:39	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:39	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:39	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 14:39	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 16:59	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	91-58-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD **Lab ID: 50132719007** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Chlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	218-01-9	
Diallate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:19	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:19	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:19	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	62-50-0	
Famphur	ND	ug/L	200	1	11/20/15 13:10	11/24/15 17:19	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	120-58-1	
Kepone	ND	ug/L	200	1	11/20/15 13:10	11/24/15 17:19	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	95-48-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD **Lab ID: 50132719007** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3&4-Methylphenol(m&p Cresol)	**67.6**	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19		
1-Naphthalenamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:19	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	85-01-8	
Phenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:19	106-50-3	
Phorate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	129-00-0	
Safrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:19	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:19	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	112	%.	38-124	1	11/20/15 13:10	11/24/15 17:19	4165-60-0	
2-Fluorobiphenyl (S)	107	%.	33-114	1	11/20/15 13:10	11/24/15 17:19	321-60-8	
p-Terphenyl-d14 (S)	42	%.	10-113	1	11/20/15 13:10	11/24/15 17:19	1718-51-0	
Phenol-d5 (S)	43	%.	10-58	1	11/20/15 13:10	11/24/15 17:19	4165-62-2	
2-Fluorophenol (S)	63	%.	11-79	1	11/20/15 13:10	11/24/15 17:19	367-12-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD **Lab ID: 50132719007** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Surrogates								
2,4,6-Tribromophenol (S)	124	%.	29-158	1	11/20/15 13:10	11/24/15 17:19	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		11/25/15 13:38	67-64-1	
Acetonitrile	ND	ug/L	100	1		11/25/15 13:38	75-05-8	
Acrolein	ND	ug/L	50.0	1		11/25/15 13:38	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/25/15 13:38	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		11/25/15 13:38	107-05-1	N2
Benzene	**640**	ug/L	50.0	10		11/25/15 19:51	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/25/15 13:38	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/25/15 13:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/25/15 13:38	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/25/15 13:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/25/15 13:38	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		11/25/15 13:38	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		11/25/15 13:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/25/15 13:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/25/15 13:38	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/25/15 13:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/25/15 13:38	67-66-3	
Chloromethane	ND	ug/L	10.0	1		11/25/15 13:38	74-87-3	
Chloroprene	ND	ug/L	100	1		11/25/15 13:38	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/25/15 13:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/25/15 13:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/25/15 13:38	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		11/25/15 13:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/25/15 13:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/25/15 13:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/25/15 13:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		11/25/15 13:38	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/25/15 13:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/25/15 13:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/25/15 13:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/25/15 13:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/25/15 13:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/25/15 13:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/25/15 13:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/25/15 13:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/25/15 13:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/25/15 13:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/25/15 13:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/25/15 13:38	10061-02-6	
Ethylbenzene	**5.4**	ug/L	5.0	1		11/25/15 13:38	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/25/15 13:38	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		11/25/15 13:38	591-78-6	
Iodomethane	ND	ug/L	5.0	1		11/25/15 13:38	74-88-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD **Lab ID: 50132719007** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Isobutanol	ND	ug/L	100	1		11/25/15 13:38	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/25/15 13:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/25/15 13:38	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		11/25/15 13:38	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		11/25/15 13:38	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		11/25/15 13:38	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/25/15 13:38	108-10-1	
Methyl-tert-butyl ether	**5.4**	ug/L	5.0	1		11/25/15 13:38	1634-04-4	
Propionitrile	ND	ug/L	100	1		11/25/15 13:38	107-12-0	N2
Styrene	ND	ug/L	5.0	1		11/25/15 13:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/25/15 13:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/25/15 13:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/25/15 13:38	127-18-4	
Tetrahydrofuran	**1560**	ug/L	1000	10		11/25/15 19:51	109-99-9	N2
Toluene	**10.5**	ug/L	5.0	1		11/25/15 13:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/25/15 13:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/25/15 13:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/25/15 13:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/25/15 13:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/25/15 13:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/25/15 13:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/25/15 13:38	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/25/15 13:38	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/25/15 13:38	75-01-4	
Xylene (Total)	**19.1**	ug/L	5.0	1		11/25/15 13:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		11/25/15 13:38	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		11/25/15 13:38	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		11/25/15 13:38	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1100**	mg/L	10.0	1		11/22/15 09:02		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**294**	mg/L	10.0	1	12/03/15 13:47	12/03/15 16:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/20/15 09:47		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 09:49		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.13**	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:18	7723-14-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD **Lab ID: 50132719007** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**39.6**	mg/L	1.0	10		11/23/15 10:22	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**98.7**	mg/L	10.0	10		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/01/15 12:10	12/01/15 17:19	57-12-5	

Sample: PZ-104-SD D **Lab ID: 50132719008** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**259**	mg/L	25.0	100		12/01/15 03:23	16887-00-6	
Fluoride	**0.94**	mg/L	0.10	1		11/25/15 13:32	16984-48-8	
Sulfate	**1.2**	mg/L	0.25	1		11/25/15 13:32	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:38	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:38	58-89-9	
beta-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:38	319-85-7	
Heptachlor	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:38	76-44-8	
delta-BHC	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:38	319-86-8	
Aldrin	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:38	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:38	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	11/20/15 11:00	11/22/15 18:38	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:38	72-55-9	
Dieldrin	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:38	60-57-1	
Endrin	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:38	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:38	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:38	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:38	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:38	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	11/20/15 11:00	11/22/15 18:38	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	11/20/15 11:00	11/22/15 18:38	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	11/20/15 11:00	11/22/15 18:38	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/20/15 11:00	11/22/15 18:38	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/20/15 11:00	11/22/15 18:38	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	11/20/15 11:00	11/22/15 18:38	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	20	%.	10-128	1	11/20/15 11:00	11/22/15 18:38	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 17:01	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/20/15 11:00	11/24/15 17:01	11104-28-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD D **Lab ID: 50132719008** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 17:01	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 17:01	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 17:01	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 17:01	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/20/15 11:00	11/24/15 17:01	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	62	%.	32-115	1	11/20/15 11:00	11/24/15 17:01	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 23:14	93-76-5	
2,4-D	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 23:14	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 23:14	93-72-1	
Surrogates								
2,4-DCAA (S)	0	%.	24-210	1	11/23/15 14:40	11/24/15 23:14	19719-28-9	S5
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**548**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:56	7440-39-3	
Boron	**1030**	ug/L	100	1	11/20/15 11:02	11/30/15 17:56	7440-42-8	
Calcium	**105000**	ug/L	500	1	11/20/15 11:02	11/30/15 17:56	7440-70-2	
Cobalt	ND	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:56	7440-48-4	
Iron	**12800**	ug/L	50.0	1	11/20/15 11:02	11/30/15 17:56	7439-89-6	
Magnesium	**65800**	ug/L	500	1	11/20/15 11:02	11/30/15 17:56	7439-95-4	
Manganese	**139**	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:56	7439-96-5	
Nickel	**66.4**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:56	7440-02-0	
Sodium	**161000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:56	7440-23-5	
Tin	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:56	7440-31-5	
Total Hardness by 2340B	**534000**	ug/L	1000	1	11/20/15 11:02	11/30/15 17:56		
Zinc	ND	ug/L	20.0	1	11/20/15 11:02	11/30/15 17:56	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:43	7440-36-0	
Arsenic	**11.7**	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:43	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:43	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 14:43	7440-43-9	
Chromium	**14.1**	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:43	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:43	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:43	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:43	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:43	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:43	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 14:43	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 17:01	7439-97-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD D **Lab ID: 50132719008** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	218-01-9	
Diallate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:39	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:39	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:39	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	298-04-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD D **Lab ID: 50132719008** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	62-50-0	
Famphur	ND	ug/L	200	1	11/20/15 13:10	11/24/15 17:39	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	120-58-1	
Kepone	ND	ug/L	200	1	11/20/15 13:10	11/24/15 17:39	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	**65.8**	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39		
1-Naphthalenamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/20/15 13:10	11/24/15 17:39	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	62-44-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD D **Lab ID: 50132719008** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Phenanthrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	85-01-8	
Phenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:39	106-50-3	
Phorate	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	129-00-0	
Safrole	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:39	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/20/15 13:10	11/24/15 17:39	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	99	%.	38-124	1	11/20/15 13:10	11/24/15 17:39	4165-60-0	
2-Fluorobiphenyl (S)	99	%.	33-114	1	11/20/15 13:10	11/24/15 17:39	321-60-8	
p-Terphenyl-d14 (S)	31	%.	10-113	1	11/20/15 13:10	11/24/15 17:39	1718-51-0	
Phenol-d5 (S)	39	%.	10-58	1	11/20/15 13:10	11/24/15 17:39	4165-62-2	
2-Fluorophenol (S)	58	%.	11-79	1	11/20/15 13:10	11/24/15 17:39	367-12-4	
2,4,6-Tribromophenol (S)	116	%.	29-158	1	11/20/15 13:10	11/24/15 17:39	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		11/25/15 14:14	67-64-1	
Acetonitrile	ND	ug/L	100	1		11/25/15 14:14	75-05-8	
Acrolein	ND	ug/L	50.0	1		11/25/15 14:14	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/25/15 14:14	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		11/25/15 14:14	107-05-1	N2
Benzene	**569**	ug/L	50.0	10		11/25/15 20:25	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/25/15 14:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/25/15 14:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/25/15 14:14	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/25/15 14:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/25/15 14:14	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		11/25/15 14:14	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		11/25/15 14:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/25/15 14:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/25/15 14:14	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/25/15 14:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/25/15 14:14	67-66-3	
Chloromethane	ND	ug/L	10.0	1		11/25/15 14:14	74-87-3	
Chloroprene	ND	ug/L	100	1		11/25/15 14:14	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/25/15 14:14	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/25/15 14:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/25/15 14:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		11/25/15 14:14	74-95-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD D **Lab ID: 50132719008** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/25/15 14:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/25/15 14:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/25/15 14:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		11/25/15 14:14	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/25/15 14:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/25/15 14:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/25/15 14:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/25/15 14:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/25/15 14:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/25/15 14:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/25/15 14:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/25/15 14:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/25/15 14:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/25/15 14:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/25/15 14:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/25/15 14:14	10061-02-6	
Ethylbenzene	**5.8**	ug/L	5.0	1		11/25/15 14:14	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/25/15 14:14	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		11/25/15 14:14	591-78-6	
Iodomethane	ND	ug/L	5.0	1		11/25/15 14:14	74-88-4	
Isobutanol	ND	ug/L	100	1		11/25/15 14:14	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/25/15 14:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/25/15 14:14	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		11/25/15 14:14	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		11/25/15 14:14	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		11/25/15 14:14	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/25/15 14:14	108-10-1	
Methyl-tert-butyl ether	**5.3**	ug/L	5.0	1		11/25/15 14:14	1634-04-4	
Propionitrile	ND	ug/L	100	1		11/25/15 14:14	107-12-0	N2
Styrene	ND	ug/L	5.0	1		11/25/15 14:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/25/15 14:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/25/15 14:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/25/15 14:14	127-18-4	
Tetrahydrofuran	**1630**	ug/L	1000	10		11/25/15 20:25	109-99-9	N2
Toluene	**10**	ug/L	5.0	1		11/25/15 14:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/25/15 14:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/25/15 14:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/25/15 14:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/25/15 14:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/25/15 14:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/25/15 14:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/25/15 14:14	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/25/15 14:14	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/25/15 14:14	75-01-4	
Xylene (Total)	**20.6**	ug/L	5.0	1		11/25/15 14:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		11/25/15 14:14	1868-53-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-SD D **Lab ID: 50132719008** Collected: 11/18/15 13:40 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
4-Bromofluorobenzene (S)	101	%.	80-114	1		11/25/15 14:14	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		11/25/15 14:14	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1030**	mg/L	13.3	1		11/23/15 07:52		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**291**	mg/L	10.0	1	12/03/15 13:47	12/03/15 16:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/20/15 09:47		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 09:50		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.14**	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:19	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**39.6**	mg/L	1.0	10		11/23/15 10:24	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**97.0**	mg/L	10.0	10		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/01/15 12:10	12/01/15 17:21	57-12-5	

Sample: PZ-104-KS **Lab ID: 50132719009** Collected: 11/18/15 15:50 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.32**	Std. Units		1		11/18/15 15:50		
Field Temperature	**22.9**	deg C		1		11/18/15 15:50		
Field Specific Conductance	**832**	umhos/cm		1		11/18/15 15:50		
Field Turbidity	**2.70**	NTU		1		11/18/15 15:50		
Total Well Depth	**93.30**	feet		1		11/18/15 15:50		
Elevation Water Level	**467.33**	ft/msl		1		11/18/15 15:50		
Collar Elevation	**483.95**	ft/msl		1		11/18/15 15:50		
Depth to Water	**16.62**	feet		1		11/18/15 15:50		
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/20/15 11:00	11/24/15 17:09	11104-28-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-KS **Lab ID: 50132719009** Collected: 11/18/15 15:50 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
Surrogates								
Tetrachloro-m-xylene (S)	65	%.	32-115	1	11/20/15 11:00	11/24/15 17:09	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**100**	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:59	7440-39-3	
Cobalt	ND	ug/L	5.0	1	11/20/15 11:02	11/30/15 17:59	7440-48-4	
Nickel	ND	ug/L	10.0	1	11/20/15 11:02	11/30/15 17:59	7440-02-0	
Zinc	ND	ug/L	20.0	1	11/20/15 11:02	11/30/15 17:59	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:05	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:05	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 13:05	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:05	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:05	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:05	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:05	7782-49-2	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 13:05	7440-62-2	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:58		
Phenol	ND	ug/L	10.0	1	11/20/15 13:10	11/24/15 17:58	108-95-2	
Surrogates								
Nitrobenzene-d5 (S)	85	%.	38-124	1	11/20/15 13:10	11/24/15 17:58	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	33-114	1	11/20/15 13:10	11/24/15 17:58	321-60-8	
p-Terphenyl-d14 (S)	46	%.	10-113	1	11/20/15 13:10	11/24/15 17:58	1718-51-0	
Phenol-d5 (S)	24	%.	10-58	1	11/20/15 13:10	11/24/15 17:58	4165-62-2	
2-Fluorophenol (S)	34	%.	11-79	1	11/20/15 13:10	11/24/15 17:58	367-12-4	
2,4,6-Tribromophenol (S)	74	%.	29-158	1	11/20/15 13:10	11/24/15 17:58	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/01/15 06:54	67-64-1	
Benzene	ND	ug/L	5.0	1		12/01/15 06:54	71-43-2	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/15 06:54	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/01/15 06:54	109-69-3	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 06:54	106-46-7	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/15 06:54	107-06-2	
Ethylbenzene	ND	ug/L	5.0	1		12/01/15 06:54	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/01/15 06:54	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/01/15 06:54	99-87-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/15 06:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/01/15 06:54	1634-04-4	
Tetrahydrofuran	ND	ug/L	100	1		12/01/15 06:54	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/01/15 06:54	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/01/15 06:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/01/15 06:54	108-67-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-104-KS **Lab ID: 50132719009** Collected: 11/18/15 15:50 Received: 11/19/15 08:45 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		12/01/15 06:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/01/15 06:54	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114	1		12/01/15 06:54	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		12/01/15 06:54	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	5.0	5		11/20/15 09:54		

Sample: TB-02 **Lab ID: 50132719010** Collected: 11/18/15 08:00 Received: 11/19/15 08:45 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		12/01/15 07:28	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/01/15 07:28	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/01/15 07:28	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/01/15 07:28	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/01/15 07:28	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/01/15 07:28	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/01/15 07:28	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/01/15 07:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/01/15 07:28	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/01/15 07:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/15 07:28	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/01/15 07:28	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/01/15 07:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/01/15 07:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/01/15 07:28	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/01/15 07:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/01/15 07:28	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/01/15 07:28	74-87-3	
Chloroprene	ND	ug/L	100	1		12/01/15 07:28	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/01/15 07:28	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/01/15 07:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/01/15 07:28	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/01/15 07:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 07:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 07:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 07:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/01/15 07:28	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/01/15 07:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/01/15 07:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/15 07:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/01/15 07:28	75-35-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-02 **Lab ID: 50132719010** Collected: 11/18/15 08:00 Received: 11/19/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 07:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 07:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 07:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/01/15 07:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 07:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/01/15 07:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 07:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 07:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/01/15 07:28	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/01/15 07:28	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/01/15 07:28	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/01/15 07:28	74-88-4	
Isobutanol	ND	ug/L	100	1		12/01/15 07:28	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/01/15 07:28	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/01/15 07:28	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/01/15 07:28	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/01/15 07:28	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/01/15 07:28	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/15 07:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/01/15 07:28	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/01/15 07:28	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/01/15 07:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 07:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 07:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/01/15 07:28	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/01/15 07:28	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/01/15 07:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/01/15 07:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/01/15 07:28	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/01/15 07:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/01/15 07:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/01/15 07:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/01/15 07:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/01/15 07:28	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/01/15 07:28	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/01/15 07:28	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/01/15 07:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/01/15 07:28	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/01/15 07:28	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		12/01/15 07:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SS **Lab ID: 50132719013** Collected: 11/19/15 08:35 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.29**	Std. Units		1		11/19/15 08:35		
Field Temperature	**14.1**	deg C		1		11/19/15 08:35		
Field Specific Conductance	**762**	umhos/cm		1		11/19/15 08:35		
Field Turbidity	**1.51**	NTU		1		11/19/15 08:35		
Total Well Depth	**101.44**	feet		1		11/19/15 08:35		
Elevation Water Level	**460.81**	ft/msl		1		11/19/15 08:35		
Collar Elevation	**486.90**	ft/msl		1		11/19/15 08:35		
Depth to Water	**26.27**	feet		1		11/19/15 08:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**19.7**	mg/L	2.5	10		12/03/15 01:34	16887-00-6	
Fluoride	**0.63**	mg/L	0.10	1		12/03/15 00:43	16984-48-8	
Sulfate	**19.5**	mg/L	0.25	1		12/03/15 00:43	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:26	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:26	58-89-9	
beta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:26	319-85-7	
Heptachlor	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:26	76-44-8	
delta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:26	319-86-8	
Aldrin	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:26	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:26	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:26	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:26	72-55-9	
Dieldrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:26	60-57-1	
Endrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:26	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:26	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:26	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:26	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:26	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:26	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:26	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:26	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:26	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:26	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	11/23/15 10:45	12/07/15 19:26	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	30	%.	10-128	1	11/23/15 10:45	12/07/15 19:26	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:36	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/23/15 10:45	11/24/15 14:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:36	11097-69-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SS **Lab ID: 50132719013** Collected: 11/19/15 08:35 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:36	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	49	%.	32-115	1	11/23/15 10:45	11/24/15 14:36	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 23:45	93-76-5	
2,4-D	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 23:45	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	11/23/15 14:40	11/24/15 23:45	93-72-1	
Surrogates								
2,4-DCAA (S)	99	%.	24-210	1	11/23/15 14:40	11/24/15 23:45	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**75.8**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:22	7440-39-3	
Boron	**120**	ug/L	100	1	12/01/15 07:06	12/04/15 08:22	7440-42-8	
Calcium	**88200**	ug/L	500	1	12/01/15 07:06	12/04/15 08:22	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:22	7440-48-4	
Iron	**2860**	ug/L	50.0	1	12/01/15 07:06	12/04/15 08:22	7439-89-6	
Magnesium	**44700**	ug/L	500	1	12/01/15 07:06	12/04/15 08:22	7439-95-4	
Manganese	**105**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:22	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:22	7440-02-0	
Sodium	**20200**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:22	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:22	7440-31-5	
Total Hardness by 2340B	**404000**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:22		
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 08:22	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:27	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:27	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:27	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 13:27	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:27	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:27	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:27	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:27	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:27	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:27	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 13:27	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 17:07	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	53-96-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SS **Lab ID: 50132719013** Collected: 11/19/15 08:35 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
4-Aminobiphenyl	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	218-01-9	
Diallate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 19:58	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 19:58	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 19:58	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	62-50-0	
Famphur	ND	ug/L	200	1	11/23/15 09:50	11/24/15 19:58	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	206-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SS **Lab ID: 50132719013** Collected: 11/19/15 08:35 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Fluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	120-58-1	
Kepone	ND	ug/L	200	1	11/23/15 09:50	11/24/15 19:58	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58		
1-Naphthalenamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 19:58	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	85-01-8	
Phenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 19:58	106-50-3	
Phorate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	298-02-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SS **Lab ID: 50132719013** Collected: 11/19/15 08:35 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Pronamide	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	129-00-0	
Safrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 19:58	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 19:58	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	91	%.	38-124	1	11/23/15 09:50	11/24/15 19:58	4165-60-0	
2-Fluorobiphenyl (S)	89	%.	33-114	1	11/23/15 09:50	11/24/15 19:58	321-60-8	
p-Terphenyl-d14 (S)	49	%.	10-113	1	11/23/15 09:50	11/24/15 19:58	1718-51-0	
Phenol-d5 (S)	32	%.	10-58	1	11/23/15 09:50	11/24/15 19:58	4165-62-2	
2-Fluorophenol (S)	44	%.	11-79	1	11/23/15 09:50	11/24/15 19:58	367-12-4	
2,4,6-Tribromophenol (S)	98	%.	29-158	1	11/23/15 09:50	11/24/15 19:58	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/02/15 07:45	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/02/15 07:45	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/02/15 07:45	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/02/15 07:45	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/02/15 07:45	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/02/15 07:45	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/02/15 07:45	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/02/15 07:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/02/15 07:45	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/02/15 07:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/02/15 07:45	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/02/15 07:45	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/02/15 07:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/02/15 07:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/02/15 07:45	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/02/15 07:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/02/15 07:45	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/02/15 07:45	74-87-3	
Chloroprene	ND	ug/L	100	1		12/02/15 07:45	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/02/15 07:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/02/15 07:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/02/15 07:45	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/02/15 07:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 07:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 07:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 07:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/02/15 07:45	110-57-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SS **Lab ID: 50132719013** Collected: 11/19/15 08:35 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/02/15 07:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/02/15 07:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/02/15 07:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/02/15 07:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/02/15 07:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/02/15 07:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/02/15 07:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/02/15 07:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/02/15 07:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/02/15 07:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/15 07:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/15 07:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/02/15 07:45	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/02/15 07:45	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/02/15 07:45	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/02/15 07:45	74-88-4	
Isobutanol	ND	ug/L	100	1		12/02/15 07:45	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/02/15 07:45	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/02/15 07:45	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/02/15 07:45	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/02/15 07:45	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/02/15 07:45	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/02/15 07:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/02/15 07:45	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/02/15 07:45	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/02/15 07:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/15 07:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/15 07:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/02/15 07:45	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/02/15 07:45	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/02/15 07:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/02/15 07:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/02/15 07:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/02/15 07:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/02/15 07:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/02/15 07:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/02/15 07:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/02/15 07:45	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/02/15 07:45	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/02/15 07:45	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/02/15 07:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/02/15 07:45	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114	1		12/02/15 07:45	460-00-4	
Toluene-d8 (S)	102	%.	81-110	1		12/02/15 07:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SS **Lab ID: 50132719013** Collected: 11/19/15 08:35 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**436**	mg/L	10.0	1		11/23/15 14:59		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**20.6**	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/20/15 13:30		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 09:53		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:22	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		11/23/15 11:53	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**6.6**	mg/L	1.0	1		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/02/15 13:45	12/02/15 17:55	57-12-5	

Sample: PZ-210-SD **Lab ID: 50132719014** Collected: 11/19/15 10:27 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.30**	Std. Units		1		11/19/15 10:27		
Field Temperature	**14.2**	deg C		1		11/19/15 10:27		
Field Specific Conductance	**1019**	umhos/cm		1		11/19/15 10:27		
Field Turbidity	**0.75**	NTU		1		11/19/15 10:27		
Total Well Depth	**101.79**	feet		1		11/19/15 10:27		
Elevation Water Level	**459.80**	ft/msl		1		11/19/15 10:27		
Collar Elevation	**487.01**	ft/msl		1		11/19/15 10:27		
Depth to Water	**27.11**	feet		1		11/19/15 10:27		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**50.0**	mg/L	2.5	10		12/03/15 03:17	16887-00-6	
Fluoride	**1.8**	mg/L	0.10	1		12/03/15 02:59	16984-48-8	
Sulfate	**39.4**	mg/L	2.5	10		12/03/15 03:17	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:38	309-00-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SD **Lab ID: 50132719014** Collected: 11/19/15 10:27 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:38	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:38	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:38	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:38	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:38	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:38	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:38	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:38	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:38	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:38	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:38	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:38	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:38	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:38	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:38	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:38	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:38	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:38	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:38	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/23/15 10:45	12/07/15 19:38	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	34	%.	10-128	1	11/23/15 10:45	12/07/15 19:38	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:56	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/23/15 10:45	11/24/15 14:56	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:56	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:56	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:56	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:56	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 14:56	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	57	%.	32-115	1	11/23/15 10:45	11/24/15 14:56	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 00:15	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 00:15	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 00:15	93-72-1	
Surrogates								
2,4-DCAA (S)	92	%.	24-210	1	11/23/15 14:40	11/25/15 00:15	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**74.4**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:24	7440-39-3	
Boron	**236**	ug/L	100	1	12/01/15 07:06	12/04/15 08:24	7440-42-8	
Calcium	**78200**	ug/L	500	1	12/01/15 07:06	12/04/15 08:24	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:24	7440-48-4	
Iron	**3090**	ug/L	50.0	1	12/01/15 07:06	12/04/15 08:24	7439-89-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SD **Lab ID: 50132719014** Collected: 11/19/15 10:27 Received: 11/20/15 08:45 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	**47000**	ug/L	500	1	12/01/15 07:06	12/04/15 08:24	7439-95-4	
Manganese	**104**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:24	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:24	7440-02-0	
Sodium	**85800**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:24	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:24	7440-31-5	
Total Hardness by 2340B	**389000**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:24		
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 08:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:31	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:31	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:31	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 13:31	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:31	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:31	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:31	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:31	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:31	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:31	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 13:31	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 17:09	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	91-58-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SD **Lab ID: 50132719014** Collected: 11/19/15 10:27 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Chlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	218-01-9	
Diallate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:18	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:18	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:18	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	62-50-0	
Famphur	ND	ug/L	200	1	11/23/15 09:50	11/24/15 20:18	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	120-58-1	
Kepone	ND	ug/L	200	1	11/23/15 09:50	11/24/15 20:18	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	95-48-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SD **Lab ID: 50132719014** Collected: 11/19/15 10:27 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18		
1-Naphthalenamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:18	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	85-01-8	
Phenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:18	106-50-3	
Phorate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	129-00-0	
Safrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:18	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:18	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	90	%.	38-124	1	11/23/15 09:50	11/24/15 20:18	4165-60-0	
2-Fluorobiphenyl (S)	90	%.	33-114	1	11/23/15 09:50	11/24/15 20:18	321-60-8	
p-Terphenyl-d14 (S)	59	%.	10-113	1	11/23/15 09:50	11/24/15 20:18	1718-51-0	
Phenol-d5 (S)	36	%.	10-58	1	11/23/15 09:50	11/24/15 20:18	4165-62-2	
2-Fluorophenol (S)	52	%.	11-79	1	11/23/15 09:50	11/24/15 20:18	367-12-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SD **Lab ID: 50132719014** Collected: 11/19/15 10:27 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Surrogates								
2,4,6-Tribromophenol (S)	102	%.	29-158	1	11/23/15 09:50	11/24/15 20:18	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/02/15 08:19	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/02/15 08:19	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/02/15 08:19	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/02/15 08:19	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/02/15 08:19	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/02/15 08:19	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/02/15 08:19	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/02/15 08:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/02/15 08:19	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/02/15 08:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/02/15 08:19	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/02/15 08:19	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/02/15 08:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/02/15 08:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/02/15 08:19	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/02/15 08:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/02/15 08:19	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/02/15 08:19	74-87-3	
Chloroprene	ND	ug/L	100	1		12/02/15 08:19	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/02/15 08:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/02/15 08:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/02/15 08:19	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/02/15 08:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 08:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 08:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 08:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/02/15 08:19	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/02/15 08:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/02/15 08:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/02/15 08:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/02/15 08:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/02/15 08:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/02/15 08:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/02/15 08:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/02/15 08:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/02/15 08:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/02/15 08:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/15 08:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/15 08:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/02/15 08:19	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/02/15 08:19	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/02/15 08:19	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/02/15 08:19	74-88-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SD **Lab ID: 50132719014** Collected: 11/19/15 10:27 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Isobutanol	ND	ug/L	100	1		12/02/15 08:19	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/02/15 08:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/02/15 08:19	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/02/15 08:19	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/02/15 08:19	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/02/15 08:19	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/02/15 08:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/02/15 08:19	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/02/15 08:19	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/02/15 08:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/15 08:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/15 08:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/02/15 08:19	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/02/15 08:19	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/02/15 08:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/02/15 08:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/02/15 08:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/02/15 08:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/02/15 08:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/02/15 08:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/02/15 08:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/02/15 08:19	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/02/15 08:19	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/02/15 08:19	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/02/15 08:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		12/02/15 08:19	1868-53-7	
4-Bromofluorobenzene (S)	92	%.	80-114	1		12/02/15 08:19	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		12/02/15 08:19	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**572**	mg/L	10.0	1		11/23/15 14:59		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**34.9**	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/20/15 13:31		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 09:54		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:22	7723-14-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-210-SD **Lab ID: 50132719014** Collected: 11/19/15 10:27 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**2.7**	mg/L	0.10	1		11/23/15 11:54	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**14.6**	mg/L	10.0	10		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/02/15 13:45	12/02/15 17:55	57-12-5	

Sample: PZ-105-SS **Lab ID: 50132719015** Collected: 11/19/15 13:23 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.37**	Std. Units		1		11/19/15 13:23		
Field Temperature	**16.8**	deg C		1		11/19/15 13:23		
Field Specific Conductance	**942**	umhos/cm		1		11/19/15 13:23		
Field Turbidity	**4.46**	NTU		1		11/19/15 13:23		
Total Well Depth	**144.85**	feet		1		11/19/15 13:23		
Elevation Water Level	**458.74**	ft/msl		1		11/19/15 13:23		
Collar Elevation	**483.61**	ft/msl		1		11/19/15 13:23		
Depth to Water	**24.87**	feet		1		11/19/15 13:23		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**76.3**	mg/L	2.5	10		12/03/15 04:08	16887-00-6	
Fluoride	**0.62**	mg/L	0.10	1		12/03/15 03:51	16984-48-8	
Sulfate	**69.5**	mg/L	2.5	10		12/03/15 04:08	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:51	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:51	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:51	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:51	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:51	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:51	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:51	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:51	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:51	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:51	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:51	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:51	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:51	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:51	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:51	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:51	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 19:51	7421-93-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-105-SS **Lab ID: 50132719015** Collected: 11/19/15 13:23 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Heptachlor	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:51	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 19:51	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 19:51	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/23/15 10:45	12/07/15 19:51	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	52	%.	10-128	1	11/23/15 10:45	12/07/15 19:51	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/23/15 10:45	11/24/15 15:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:16	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	53	%.	32-115	1	11/23/15 10:45	11/24/15 15:16	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 00:46	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 00:46	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 00:46	93-72-1	
Surrogates								
2,4-DCAA (S)	95	%.	24-210	1	11/23/15 14:40	11/25/15 00:46	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**154**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:26	7440-39-3	
Boron	ND	ug/L	100	1	12/01/15 07:06	12/04/15 08:26	7440-42-8	
Calcium	**90900**	ug/L	500	1	12/01/15 07:06	12/04/15 08:26	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:26	7440-48-4	
Iron	**447**	ug/L	50.0	1	12/01/15 07:06	12/04/15 08:26	7439-89-6	
Magnesium	**48000**	ug/L	500	1	12/01/15 07:06	12/04/15 08:26	7439-95-4	
Manganese	**9.5**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:26	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:26	7440-02-0	
Sodium	**51900**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:26	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:26	7440-31-5	
Total Hardness by 2340B	**425000**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:26		
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 08:26	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:36	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:36	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:36	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 13:36	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:36	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:36	7440-50-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-105-SS **Lab ID: 50132719015** Collected: 11/19/15 13:23 Received: 11/20/15 08:45 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							
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:36	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:36	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:36	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:36	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 13:36	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 17:11	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	218-01-9	
Diallate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:38	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:38	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:38	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	105-67-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-105-SS **Lab ID: 50132719015** Collected: 11/19/15 13:23 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Dimethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	62-50-0	
Famphur	ND	ug/L	200	1	11/23/15 09:50	11/24/15 20:38	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	120-58-1	
Kepone	ND	ug/L	200	1	11/23/15 09:50	11/24/15 20:38	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38		
1-Naphthalenamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	924-16-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-105-SS **Lab ID: 50132719015** Collected: 11/19/15 13:23 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:38	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	85-01-8	
Phenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:38	106-50-3	
Phorate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	129-00-0	
Safrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:38	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:38	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	84	%.	38-124	1	11/23/15 09:50	11/24/15 20:38	4165-60-0	
2-Fluorobiphenyl (S)	80	%.	33-114	1	11/23/15 09:50	11/24/15 20:38	321-60-8	
p-Terphenyl-d14 (S)	61	%.	10-113	1	11/23/15 09:50	11/24/15 20:38	1718-51-0	
Phenol-d5 (S)	32	%.	10-58	1	11/23/15 09:50	11/24/15 20:38	4165-62-2	
2-Fluorophenol (S)	48	%.	11-79	1	11/23/15 09:50	11/24/15 20:38	367-12-4	
2,4,6-Tribromophenol (S)	90	%.	29-158	1	11/23/15 09:50	11/24/15 20:38	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/02/15 08:53	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/02/15 08:53	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/02/15 08:53	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/02/15 08:53	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/02/15 08:53	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/02/15 08:53	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/02/15 08:53	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/02/15 08:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/02/15 08:53	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/02/15 08:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/02/15 08:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/02/15 08:53	75-15-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-105-SS **Lab ID: 50132719015** Collected: 11/19/15 13:23 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Carbon tetrachloride	ND	ug/L	5.0	1		12/02/15 08:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/02/15 08:53	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/02/15 08:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/02/15 08:53	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/02/15 08:53	74-87-3	
Chloroprene	ND	ug/L	100	1		12/02/15 08:53	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/02/15 08:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/02/15 08:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/02/15 08:53	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/02/15 08:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 08:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 08:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 08:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/02/15 08:53	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/02/15 08:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/02/15 08:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/02/15 08:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/02/15 08:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/02/15 08:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/02/15 08:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/02/15 08:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/02/15 08:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/02/15 08:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/02/15 08:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/15 08:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/15 08:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/02/15 08:53	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/02/15 08:53	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/02/15 08:53	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/02/15 08:53	74-88-4	
Isobutanol	ND	ug/L	100	1		12/02/15 08:53	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/02/15 08:53	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/02/15 08:53	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/02/15 08:53	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/02/15 08:53	108-10-1	
Propionitrile	ND	ug/L	100	1		12/02/15 08:53	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/02/15 08:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/15 08:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/15 08:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/02/15 08:53	127-18-4	
Toluene	ND	ug/L	5.0	1		12/02/15 08:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/02/15 08:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/02/15 08:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/02/15 08:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/02/15 08:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/02/15 08:53	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/02/15 08:53	108-05-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-105-SS **Lab ID: 50132719015** Collected: 11/19/15 13:23 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Vinyl chloride	ND	ug/L	2.0	1		12/02/15 08:53	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/02/15 08:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/02/15 08:53	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/02/15 08:53	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		12/02/15 08:53	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**556**	mg/L	10.0	1		11/23/15 14:59		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/20/15 13:33		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 09:55		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:23	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		11/23/15 11:59	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/04/15 11:14	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/02/15 13:45	12/02/15 17:57	57-12-5	

Sample: TB-03 **Lab ID: 50132719016** Collected: 11/19/15 08:00 Received: 11/20/15 08:45 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		12/02/15 09:26	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/02/15 09:26	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/02/15 09:26	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/02/15 09:26	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/02/15 09:26	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/02/15 09:26	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/02/15 09:26	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/02/15 09:26	75-27-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-03 **Lab ID: 50132719016** Collected: 11/19/15 08:00 Received: 11/20/15 08:45 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		12/02/15 09:26	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/02/15 09:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/02/15 09:26	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/02/15 09:26	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/02/15 09:26	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/02/15 09:26	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/02/15 09:26	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/02/15 09:26	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/02/15 09:26	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/02/15 09:26	74-87-3	
Chloroprene	ND	ug/L	100	1		12/02/15 09:26	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/02/15 09:26	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/02/15 09:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/02/15 09:26	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/02/15 09:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 09:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 09:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/02/15 09:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/02/15 09:26	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/02/15 09:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/02/15 09:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/02/15 09:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/02/15 09:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/02/15 09:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/02/15 09:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/02/15 09:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/02/15 09:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/02/15 09:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/02/15 09:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/15 09:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/15 09:26	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/02/15 09:26	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/02/15 09:26	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/02/15 09:26	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/02/15 09:26	74-88-4	
Isobutanol	ND	ug/L	100	1		12/02/15 09:26	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/02/15 09:26	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/02/15 09:26	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/02/15 09:26	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/02/15 09:26	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/02/15 09:26	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/02/15 09:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/02/15 09:26	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/02/15 09:26	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/02/15 09:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/15 09:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/15 09:26	79-34-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-03 **Lab ID: 50132719016** Collected: 11/19/15 08:00 Received: 11/20/15 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	5.0	1		12/02/15 09:26	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/02/15 09:26	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/02/15 09:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/02/15 09:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/02/15 09:26	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/02/15 09:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/02/15 09:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/02/15 09:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/02/15 09:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/02/15 09:26	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/02/15 09:26	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/02/15 09:26	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/02/15 09:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/02/15 09:26	1868-53-7	
4-Bromofluorobenzene (S)	91	%.	80-114	1		12/02/15 09:26	460-00-4	
Toluene-d8 (S)	102	%.	81-110	1		12/02/15 09:26	2037-26-5	

Sample: PZ-114-AS **Lab ID: 50132719017** Collected: 11/20/15 08:35 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.64**	Std. Units		1		11/20/15 08:35		
Field Temperature	**15.2**	deg C		1		11/20/15 08:35		
Field Specific Conductance	**2740**	umhos/cm		1		11/20/15 08:35		
Field Turbidity	**1.89**	NTU		1		11/20/15 08:35		
Total Well Depth	**26.11**	feet		1		11/20/15 08:35		
Elevation Water Level	**432.36**	ft/msl		1		11/20/15 08:35		
Collar Elevation	**451.31**	ft/msl		1		11/20/15 08:35		
Depth to Water	**18.95**	feet		1		11/20/15 08:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**414**	mg/L	25.0	100		12/03/15 04:59	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	1		12/03/15 04:25	16984-48-8	
Sulfate	**0.40**	mg/L	0.25	1		12/03/15 04:25	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:03	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:03	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:03	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:03	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:03	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:03	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:03	5103-71-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-114-AS **Lab ID: 50132719017** Collected: 11/20/15 08:35 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
gamma-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:03	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:03	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:03	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:03	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:03	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:03	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:03	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:03	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:03	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:03	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:03	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:03	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:03	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/23/15 10:45	12/07/15 20:03	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	20	%.	10-128	1	11/23/15 10:45	12/07/15 20:03	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/23/15 10:45	11/24/15 15:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 15:57	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	56	%.	32-115	1	11/23/15 10:45	11/24/15 15:57	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.0	1	11/23/15 14:40	11/25/15 01:16	94-75-7	
2,4,5-T	ND	ug/L	1.0	1	11/23/15 14:40	11/25/15 01:16	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	11/23/15 14:40	11/25/15 01:16	93-72-1	
Surrogates								
2,4-DCAA (S)	120	%.	24-210	1	11/23/15 14:40	11/25/15 01:16	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**979**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:33	7440-39-3	
Boron	**464**	ug/L	100	1	12/01/15 07:06	12/04/15 08:33	7440-42-8	
Calcium	**245000**	ug/L	5000	10	12/01/15 07:06	12/04/15 11:05	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:33	7440-48-4	
Iron	**85800**	ug/L	50.0	1	12/01/15 07:06	12/04/15 08:33	7439-89-6	
Magnesium	**47800**	ug/L	500	1	12/01/15 07:06	12/04/15 08:33	7439-95-4	
Manganese	**3560**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:33	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:33	7440-02-0	
Sodium	**186000**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:33	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:33	7440-31-5	
Total Hardness by 2340B	**808000**	ug/L	10000	10	12/01/15 07:06	12/04/15 11:05		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-114-AS **Lab ID: 50132719017** Collected: 11/20/15 08:35 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 08:33	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:54	7440-36-0	
Arsenic	**56.5**	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:54	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:54	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 13:54	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:54	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:54	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:54	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:54	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:54	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:54	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 13:54	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 17:13	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	218-01-9	
Diallate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	132-64-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-114-AS **Lab ID: 50132719017** Collected: 11/20/15 08:35 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:58	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:58	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:58	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	62-50-0	
Famphur	ND	ug/L	200	1	11/23/15 09:50	11/24/15 20:58	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	120-58-1	
Kepone	ND	ug/L	200	1	11/23/15 09:50	11/24/15 20:58	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58		
1-Naphthalenamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	88-74-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-114-AS **Lab ID: 50132719017** Collected: 11/20/15 08:35 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 20:58	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	85-01-8	
Phenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:58	106-50-3	
Phorate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	129-00-0	
Safrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 20:58	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 20:58	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	90	%.	38-124	1	11/23/15 09:50	11/24/15 20:58	4165-60-0	
2-Fluorobiphenyl (S)	89	%.	33-114	1	11/23/15 09:50	11/24/15 20:58	321-60-8	
p-Terphenyl-d14 (S)	49	%.	10-113	1	11/23/15 09:50	11/24/15 20:58	1718-51-0	
Phenol-d5 (S)	34	%.	10-58	1	11/23/15 09:50	11/24/15 20:58	4165-62-2	
2-Fluorophenol (S)	52	%.	11-79	1	11/23/15 09:50	11/24/15 20:58	367-12-4	
2,4,6-Tribromophenol (S)	109	%.	29-158	1	11/23/15 09:50	11/24/15 20:58	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/03/15 02:50	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 02:50	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/03/15 02:50	107-02-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-114-AS **Lab ID: 50132719017** Collected: 11/20/15 08:35 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acrylonitrile	ND	ug/L	100	1		12/03/15 02:50	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 02:50	107-05-1	N2
Benzene	**9.1**	ug/L	5.0	1		12/03/15 02:50	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 02:50	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 02:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 02:50	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 02:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 02:50	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 02:50	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 02:50	56-23-5	
Chlorobenzene	**67.9**	ug/L	5.0	1		12/03/15 02:50	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 02:50	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 02:50	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 02:50	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 02:50	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 02:50	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 02:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 02:50	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 02:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 02:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 02:50	541-73-1	
1,4-Dichlorobenzene	**7.1**	ug/L	5.0	1		12/03/15 02:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 02:50	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 02:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 02:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 02:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 02:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 02:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 02:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 02:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 02:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 02:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 02:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 02:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 02:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/03/15 02:50	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 02:50	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 02:50	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 02:50	74-88-4	
Isobutanol	ND	ug/L	100	1		12/03/15 02:50	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 02:50	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 02:50	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 02:50	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 02:50	108-10-1	
Propionitrile	ND	ug/L	100	1		12/03/15 02:50	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 02:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 02:50	630-20-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-114-AS **Lab ID: 50132719017** Collected: 11/20/15 08:35 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 02:50	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 02:50	127-18-4	
Toluene	ND	ug/L	5.0	1		12/03/15 02:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 02:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 02:50	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 02:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 02:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 02:50	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 02:50	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 02:50	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/03/15 02:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%.	79-116	1		12/03/15 02:50	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/03/15 02:50	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		12/03/15 02:50	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1370**	mg/L	10.0	1		11/24/15 12:59		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**52.5**	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/23/15 13:10		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 09:56		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**2.0**	mg/L	0.25	5	12/08/15 12:00	12/09/15 15:42	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**4.5**	mg/L	0.10	1		12/01/15 09:07	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**16.8**	mg/L	10.0	10		12/09/15 10:17	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/03/15 10:30	12/03/15 14:43	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-115-SS **Lab ID: 50132719018** Collected: 11/20/15 10:40 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.68**	Std. Units		1		11/20/15 10:40		
Field Temperature	**14.8**	deg C		1		11/20/15 10:40		
Field Specific Conductance	**2600**	umhos/cm		1		11/20/15 10:40		
Field Turbidity	**1.33**	NTU		1		11/20/15 10:40		
Total Well Depth	**81.03**	feet		1		11/20/15 10:40		
Elevation Water Level	**437.89**	ft/msl		1		11/20/15 10:40		
Collar Elevation	**452.30**	ft/msl		1		11/20/15 10:40		
Depth to Water	**14.41**	feet		1		11/20/15 10:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**422**	mg/L	25.0	100		12/03/15 06:24	16887-00-6	
Fluoride	**0.47**	mg/L	0.10	1		12/03/15 05:50	16984-48-8	
Sulfate	**4.0**	mg/L	0.25	1		12/03/15 05:50	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:16	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:16	58-89-9	
beta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:16	319-85-7	
Heptachlor	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:16	76-44-8	
delta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:16	319-86-8	
Aldrin	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:16	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:16	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:16	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:16	72-55-9	
Dieldrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:16	60-57-1	
Endrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:16	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:16	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:16	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:16	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:16	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:16	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:16	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:16	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:16	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:16	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	11/23/15 10:45	12/07/15 20:16	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	27	%.	10-128	1	11/23/15 10:45	12/07/15 20:16	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:17	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/23/15 10:45	11/24/15 16:17	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:17	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:17	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:17	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:17	11097-69-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-115-SS **Lab ID: 50132719018** Collected: 11/20/15 10:40 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:17	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	51	%.	32-115	1	11/23/15 10:45	11/24/15 16:17	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 01:47	93-76-5	
2,4-D	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 01:47	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 01:47	93-72-1	
Surrogates								
2,4-DCAA (S)	110	%.	24-210	1	11/23/15 14:40	11/25/15 01:47	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**482**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:43	7440-39-3	
Boron	**461**	ug/L	100	1	12/01/15 07:06	12/04/15 08:43	7440-42-8	
Calcium	**241000**	ug/L	5000	10	12/01/15 07:06	12/04/15 11:11	7440-70-2	
Cobalt	**29.8**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:43	7440-48-4	
Iron	**2600**	ug/L	50.0	1	12/01/15 07:06	12/04/15 08:43	7439-89-6	
Magnesium	**104000**	ug/L	500	1	12/01/15 07:06	12/04/15 08:43	7439-95-4	
Manganese	**82.1**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:43	7439-96-5	
Nickel	**73.9**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:43	7440-02-0	
Sodium	**146000**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:43	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:43	7440-31-5	
Total Hardness by 2340B	**1030000**	ug/L	10000	10	12/01/15 07:06	12/04/15 11:11		
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 08:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:58	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:58	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:58	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 13:58	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:58	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:58	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:58	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:58	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 13:58	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 13:58	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 13:58	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/15 12:21	12/07/15 17:15	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	53-96-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-115-SS **Lab ID: 50132719018** Collected: 11/20/15 10:40 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
4-Aminobiphenyl	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	218-01-9	
Diallate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:18	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:18	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:18	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	62-50-0	
Famphur	ND	ug/L	200	1	11/23/15 09:50	11/24/15 21:18	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	206-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-115-SS **Lab ID: 50132719018** Collected: 11/20/15 10:40 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Fluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	120-58-1	
Kepone	ND	ug/L	200	1	11/23/15 09:50	11/24/15 21:18	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18		
1-Naphthalenamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:18	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	85-01-8	
Phenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:18	106-50-3	
Phorate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	298-02-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-115-SS **Lab ID: 50132719018** Collected: 11/20/15 10:40 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Pronamide	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	129-00-0	
Safrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:18	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:18	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	91	%.	38-124	1	11/23/15 09:50	11/24/15 21:18	4165-60-0	
2-Fluorobiphenyl (S)	91	%.	33-114	1	11/23/15 09:50	11/24/15 21:18	321-60-8	
p-Terphenyl-d14 (S)	42	%.	10-113	1	11/23/15 09:50	11/24/15 21:18	1718-51-0	
Phenol-d5 (S)	34	%.	10-58	1	11/23/15 09:50	11/24/15 21:18	4165-62-2	
2-Fluorophenol (S)	46	%.	11-79	1	11/23/15 09:50	11/24/15 21:18	367-12-4	
2,4,6-Tribromophenol (S)	109	%.	29-158	1	11/23/15 09:50	11/24/15 21:18	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/03/15 03:23	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 03:23	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/03/15 03:23	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/03/15 03:23	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 03:23	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/03/15 03:23	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 03:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 03:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 03:23	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 03:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 03:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 03:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 03:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/03/15 03:23	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 03:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 03:23	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 03:23	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 03:23	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 03:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 03:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 03:23	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 03:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 03:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 03:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 03:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 03:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 03:23	75-71-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-115-SS **Lab ID: 50132719018** Collected: 11/20/15 10:40 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 03:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 03:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 03:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 03:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 03:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 03:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 03:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 03:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 03:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 03:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 03:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/03/15 03:23	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 03:23	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 03:23	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 03:23	74-88-4	
Isobutanol	ND	ug/L	100	1		12/03/15 03:23	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 03:23	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 03:23	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 03:23	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 03:23	108-10-1	
Propionitrile	ND	ug/L	100	1		12/03/15 03:23	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 03:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 03:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 03:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 03:23	127-18-4	
Toluene	ND	ug/L	5.0	1		12/03/15 03:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 03:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 03:23	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 03:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 03:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 03:23	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 03:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 03:23	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/03/15 03:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%.	79-116	1		12/03/15 03:23	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/03/15 03:23	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		12/03/15 03:23	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1350**	mg/L	10.0	1		11/24/15 13:00		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**35.0**	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-115-SS **Lab ID: 50132719018** Collected: 11/20/15 10:40 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/23/15 13:10		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 10:33		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.22**	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:26	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.61**	mg/L	0.10	1		12/01/15 09:08	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**14.4**	mg/L	10.0	10		12/09/15 10:17	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/04/15 15:10	12/04/15 18:02	57-12-5	

Sample: PZ-202-SS **Lab ID: 50132719019** Collected: 11/20/15 13:30 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.85**	Std. Units		1		11/20/15 13:30		
Field Temperature	**15.0**	deg C		1		11/20/15 13:30		
Field Specific Conductance	**4650**	umhos/cm		1		11/20/15 13:30		
Field Turbidity	**3.33**	NTU		1		11/20/15 13:30		
Total Well Depth	**85.24**	feet		1		11/20/15 13:30		
Elevation Water Level	**469.13**	ft/msl		1		11/20/15 13:30		
Collar Elevation	**481.02**	ft/msl		1		11/20/15 13:30		
Depth to Water	**11.89**	feet		1		11/20/15 13:30		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1070**	mg/L	25.0	100		12/03/15 07:15	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	1		12/03/15 06:41	16984-48-8	
Sulfate	**6.0**	mg/L	0.25	1		12/03/15 06:41	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:29	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:29	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:29	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:29	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:29	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:29	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:29	5103-71-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-202-SS **Lab ID: 50132719019** Collected: 11/20/15 13:30 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
gamma-Chlordane	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:29	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:29	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:29	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:29	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:29	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:29	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:29	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:29	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:29	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/23/15 10:45	12/07/15 20:29	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:29	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/23/15 10:45	12/07/15 20:29	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/23/15 10:45	12/07/15 20:29	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/23/15 10:45	12/07/15 20:29	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	32	%.	10-128	1	11/23/15 10:45	12/07/15 20:29	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:38	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/23/15 10:45	11/24/15 16:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:38	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:38	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:38	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/23/15 10:45	11/24/15 16:38	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	51	%.	32-115	1	11/23/15 10:45	11/24/15 16:38	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 02:17	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 02:17	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/23/15 14:40	11/25/15 02:17	93-72-1	
Surrogates								
2,4-DCAA (S)	96	%.	24-210	1	11/23/15 14:40	11/25/15 02:17	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**1700**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:45	7440-39-3	
Boron	ND	ug/L	100	1	12/01/15 07:06	12/04/15 08:45	7440-42-8	
Calcium	**528000**	ug/L	5000	10	12/01/15 07:06	12/04/15 11:13	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:45	7440-48-4	
Iron	**55000**	ug/L	50.0	1	12/01/15 07:06	12/04/15 08:45	7439-89-6	
Magnesium	**202000**	ug/L	500	1	12/01/15 07:06	12/04/15 08:45	7439-95-4	
Manganese	**2260**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:45	7439-96-5	
Nickel	**35.6**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:45	7440-02-0	
Sodium	**76400**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:45	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:45	7440-31-5	
Total Hardness by 2340B	**2150000**	ug/L	10000	10	12/01/15 07:06	12/04/15 11:13		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-202-SS **Lab ID: 50132719019** Collected: 11/20/15 13:30 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 08:45	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:48	7440-36-0	
Arsenic	**29.6**	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:48	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:48	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 14:48	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:48	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:48	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:48	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:48	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:48	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:48	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 14:48	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/08/15 11:43	12/08/15 17:44	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	218-01-9	
Diallate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	132-64-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-202-SS **Lab ID: 50132719019** Collected: 11/20/15 13:30 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:38	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:38	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:38	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	62-50-0	
Famphur	ND	ug/L	200	1	11/23/15 09:50	11/24/15 21:38	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	120-58-1	
Kepone	ND	ug/L	200	1	11/23/15 09:50	11/24/15 21:38	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38		
1-Naphthalenamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	88-74-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-202-SS **Lab ID: 50132719019** Collected: 11/20/15 13:30 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/23/15 09:50	11/24/15 21:38	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	85-01-8	
Phenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:38	106-50-3	
Phorate	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	129-00-0	
Safrole	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/23/15 09:50	11/24/15 21:38	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/23/15 09:50	11/24/15 21:38	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	49	%.	38-124	1	11/23/15 09:50	11/24/15 21:38	4165-60-0	
2-Fluorobiphenyl (S)	47	%.	33-114	1	11/23/15 09:50	11/24/15 21:38	321-60-8	
p-Terphenyl-d14 (S)	21	%.	10-113	1	11/23/15 09:50	11/24/15 21:38	1718-51-0	
Phenol-d5 (S)	20	%.	10-58	1	11/23/15 09:50	11/24/15 21:38	4165-62-2	
2-Fluorophenol (S)	28	%.	11-79	1	11/23/15 09:50	11/24/15 21:38	367-12-4	
2,4,6-Tribromophenol (S)	54	%.	29-158	1	11/23/15 09:50	11/24/15 21:38	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/03/15 03:57	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 03:57	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/03/15 03:57	107-02-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-202-SS **Lab ID: 50132719019** Collected: 11/20/15 13:30 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acrylonitrile	ND	ug/L	100	1		12/03/15 03:57	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 03:57	107-05-1	N2
Benzene	**69.6**	ug/L	5.0	1		12/03/15 03:57	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 03:57	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 03:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 03:57	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 03:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 03:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 03:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 03:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/03/15 03:57	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 03:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 03:57	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 03:57	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 03:57	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 03:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 03:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 03:57	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 03:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 03:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 03:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 03:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 03:57	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 03:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 03:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 03:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 03:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 03:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 03:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 03:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 03:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 03:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 03:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 03:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 03:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/03/15 03:57	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 03:57	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 03:57	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 03:57	74-88-4	
Isobutanol	ND	ug/L	100	1		12/03/15 03:57	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 03:57	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 03:57	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 03:57	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 03:57	108-10-1	
Propionitrile	ND	ug/L	100	1		12/03/15 03:57	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 03:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 03:57	630-20-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-202-SS **Lab ID: 50132719019** Collected: 11/20/15 13:30 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 03:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 03:57	127-18-4	
Toluene	ND	ug/L	5.0	1		12/03/15 03:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 03:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 03:57	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 03:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 03:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 03:57	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 03:57	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 03:57	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/03/15 03:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/03/15 03:57	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/03/15 03:57	460-00-4	
Toluene-d8 (S)	106	%.	81-110	1		12/03/15 03:57	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2830**	mg/L	10.0	1		11/24/15 13:00		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**446**	mg/L	10.0	1	12/03/15 13:47	12/03/15 16:58		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**6.6**	Std. Units	0.10	1		11/23/15 10:09		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/23/15 13:13		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 10:34		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.13**	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:26	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.23**	mg/L	0.10	1		12/01/15 09:12	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**165**	mg/L	100	100		12/04/15 19:52	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/03/15 10:30	12/03/15 14:00	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-04 **Lab ID: 50132719020** Collected: 11/20/15 08:00 Received: 11/21/15 09:30 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		12/03/15 09:33	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 09:33	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/03/15 09:33	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/03/15 09:33	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 09:33	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/03/15 09:33	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 09:33	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 09:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 09:33	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 09:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 09:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 09:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 09:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/03/15 09:33	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 09:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 09:33	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 09:33	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 09:33	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 09:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 09:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 09:33	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 09:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 09:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 09:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 09:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 09:33	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 09:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 09:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 09:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 09:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 09:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 09:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 09:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 09:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 09:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 09:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 09:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 09:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/03/15 09:33	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 09:33	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 09:33	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 09:33	74-88-4	
Isobutanol	ND	ug/L	100	1		12/03/15 09:33	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 09:33	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 09:33	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 09:33	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 09:33	108-10-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-04 **Lab ID: 50132719020** Collected: 11/20/15 08:00 Received: 11/21/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Propionitrile	ND	ug/L	100	1		12/03/15 09:33	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 09:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 09:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 09:33	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 09:33	127-18-4	
Toluene	ND	ug/L	5.0	1		12/03/15 09:33	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 09:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 09:33	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 09:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 09:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 09:33	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 09:33	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 09:33	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/03/15 09:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/03/15 09:33	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/03/15 09:33	460-00-4	
Toluene-d8 (S)	103	%.	81-110	1		12/03/15 09:33	2037-26-5	

Sample: PZ-103-SS **Lab ID: 50132719023** Collected: 11/23/15 09:15 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.36**	Std. Units		1		11/23/15 09:15		
Field Temperature	**21.1**	deg C		1		11/23/15 09:15		
Field Specific Conductance	**1567**	umhos/cm		1		11/23/15 09:15		
Field Turbidity	**190.6**	NTU		1		11/23/15 09:15		
Total Well Depth	**149.62**	feet		1		11/23/15 09:15		
Elevation Water Level	**471.90**	ft/msl		1		11/23/15 09:15		
Collar Elevation	**483.56**	ft/msl		1		11/23/15 09:15		
Depth to Water	**11.66**	feet		1		11/23/15 09:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**11.6**	mg/L	2.5	10		12/03/15 10:05	16887-00-6	
Fluoride	**1.0**	mg/L	0.10	1		12/03/15 09:48	16984-48-8	
Sulfate	**1.9**	mg/L	0.25	1		12/03/15 09:48	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 21:57	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 21:57	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 21:57	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 21:57	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 21:57	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/24/15 13:00	12/07/15 21:57	57-74-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-103-SS **Lab ID: 50132719023** Collected: 11/23/15 09:15 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-Chlordane	ND	ug/L	0.50	1	11/24/15 13:00	12/07/15 21:57	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/24/15 13:00	12/07/15 21:57	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 21:57	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 21:57	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 21:57	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 21:57	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 21:57	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 21:57	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 21:57	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 21:57	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 21:57	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 21:57	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 21:57	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/24/15 13:00	12/07/15 21:57	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/24/15 13:00	12/07/15 21:57	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	20	%.	10-128	1	11/24/15 13:00	12/07/15 21:57	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 14:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/24/15 13:00	12/02/15 14:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 14:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 14:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 14:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 14:53	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 14:53	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	65	%.	32-115	1	11/24/15 13:00	12/02/15 14:53	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 18:53	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 18:53	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 18:53	93-72-1	
Surrogates								
2,4-DCAA (S)	77	%.	24-210	1	11/30/15 10:00	12/01/15 18:53	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**691**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:52	7440-39-3	
Boron	**405**	ug/L	100	1	12/01/15 07:06	12/04/15 08:52	7440-42-8	
Calcium	**285000**	ug/L	5000	10	12/01/15 07:06	12/04/15 11:15	7440-70-2	
Cobalt	**9.6**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:52	7440-48-4	
Iron	**41100**	ug/L	50.0	1	12/01/15 07:06	12/04/15 08:52	7439-89-6	
Magnesium	**83300**	ug/L	500	1	12/01/15 07:06	12/04/15 08:52	7439-95-4	
Manganese	**488**	ug/L	5.0	1	12/01/15 07:06	12/04/15 08:52	7439-96-5	
Nickel	**53.7**	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:52	7440-02-0	
Sodium	**91200**	ug/L	1000	1	12/01/15 07:06	12/04/15 08:52	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 08:52	7440-31-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-103-SS **Lab ID: 50132719023** Collected: 11/23/15 09:15 Received: 11/24/15 09:10 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	**1050000**	ug/L	10000	10	12/01/15 07:06	12/04/15 11:15		
Zinc	**228**	ug/L	20.0	1	12/01/15 07:06	12/04/15 08:52	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:16	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:16	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:16	7440-41-7	
Cadmium	**1.7**	ug/L	0.20	1	01/15/16 16:00	01/18/16 14:16	7440-43-9	
Chromium	**22.1**	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:16	7440-47-3	
Copper	**11.7**	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:16	7440-50-8	
Lead	**11.1**	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:16	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:16	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:16	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:16	7440-28-0	
Vanadium	**34.1**	ug/L	10.0	1	01/15/16 16:00	01/18/16 14:16	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/08/15 11:43	12/08/15 17:58	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	218-01-9	
Diallate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	53-70-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-103-SS **Lab ID: 50132719023** Collected: 11/23/15 09:15 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Dibenzofuran	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 18:43	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 18:43	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 18:43	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	62-50-0	
Famphur	ND	ug/L	200	1	11/24/15 13:00	11/25/15 18:43	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	120-58-1	
Kepone	ND	ug/L	200	1	11/24/15 13:00	11/25/15 18:43	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43		
1-Naphthalenamine	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	130-15-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-103-SS **Lab ID: 50132719023** Collected: 11/23/15 09:15 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Nitroaniline	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 18:43	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	85-01-8	
Phenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 18:43	106-50-3	
Phorate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	129-00-0	
Safrole	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 18:43	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 18:43	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	88	%.	38-124	1	11/24/15 13:00	11/25/15 18:43	4165-60-0	
2-Fluorobiphenyl (S)	80	%.	33-114	1	11/24/15 13:00	11/25/15 18:43	321-60-8	
p-Terphenyl-d14 (S)	35	%.	10-113	1	11/24/15 13:00	11/25/15 18:43	1718-51-0	
Phenol-d5 (S)	34	%.	10-58	1	11/24/15 13:00	11/25/15 18:43	4165-62-2	
2-Fluorophenol (S)	48	%.	11-79	1	11/24/15 13:00	11/25/15 18:43	367-12-4	
2,4,6-Tribromophenol (S)	100	%.	29-158	1	11/24/15 13:00	11/25/15 18:43	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/03/15 10:40	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 10:40	75-05-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-103-SS **Lab ID: 50132719023** Collected: 11/23/15 09:15 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acrolein	ND	ug/L	50.0	1		12/03/15 10:40	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/03/15 10:40	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 10:40	107-05-1	N2
Benzene	**174**	ug/L	5.0	1		12/03/15 10:40	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 10:40	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 10:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 10:40	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 10:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 10:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 10:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 10:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/03/15 10:40	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 10:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 10:40	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 10:40	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 10:40	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 10:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 10:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 10:40	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 10:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 10:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 10:40	541-73-1	
1,4-Dichlorobenzene	**8.6**	ug/L	5.0	1		12/03/15 10:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 10:40	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 10:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 10:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 10:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 10:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 10:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 10:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 10:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 10:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 10:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 10:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 10:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 10:40	10061-02-6	
Ethylbenzene	**7.0**	ug/L	5.0	1		12/03/15 10:40	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 10:40	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 10:40	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 10:40	74-88-4	
Isobutanol	ND	ug/L	100	1		12/03/15 10:40	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 10:40	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 10:40	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 10:40	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 10:40	108-10-1	
Propionitrile	ND	ug/L	100	1		12/03/15 10:40	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 10:40	100-42-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-103-SS **Lab ID: 50132719023** Collected: 11/23/15 09:15 Received: 11/24/15 09:10 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		12/03/15 10:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 10:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 10:40	127-18-4	
Toluene	**17.2**	ug/L	5.0	1		12/03/15 10:40	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 10:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 10:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 10:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 10:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 10:40	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 10:40	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 10:40	75-01-4	
Xylene (Total)	**6.5**	ug/L	5.0	1		12/03/15 10:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/03/15 10:40	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/03/15 10:40	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		12/03/15 10:40	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1090**	mg/L	20.0	1		11/25/15 07:01		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**18.2**	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/25/15 10:04		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 10:04		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**1.3**	mg/L	0.25	5	12/08/15 12:00	12/09/15 15:45	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.20**	mg/L	0.10	1		12/01/15 09:15	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**4.9**	mg/L	4.0	4		12/09/15 10:17	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/04/15 13:10	12/04/15 17:24	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-203-SS **Lab ID: 50132719024** Collected: 11/23/15 11:00 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.21**	Std. Units		1		11/23/15 11:00		
Field Temperature	**14.1**	deg C		1		11/23/15 11:00		
Field Specific Conductance	**672**	umhos/cm		1		11/23/15 11:00		
Field Turbidity	**9.85**	NTU		1		11/23/15 11:00		
Total Well Depth	**111.37**	feet		1		11/23/15 11:00		
Elevation Water Level	**440.36**	ft/msl		1		11/23/15 11:00		
Collar Elevation	**465.83**	ft/msl		1		11/23/15 11:00		
Depth to Water	**25.47**	feet		1		11/23/15 11:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**10.5**	mg/L	0.25	1		12/03/15 10:22	16887-00-6	
Fluoride	**0.50**	mg/L	0.10	1		12/03/15 10:22	16984-48-8	
Sulfate	**47.0**	mg/L	2.5	10		12/03/15 10:39	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 22:09	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 22:09	319-84-6	
beta-BHC	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 22:09	319-85-7	
delta-BHC	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 22:09	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 22:09	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	11/24/15 13:00	12/07/15 22:09	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/24/15 13:00	12/07/15 22:09	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/24/15 13:00	12/07/15 22:09	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 22:09	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 22:09	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 22:09	50-29-3	
Dieldrin	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 22:09	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 22:09	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 22:09	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 22:09	1031-07-8	
Endrin	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 22:09	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	11/24/15 13:00	12/07/15 22:09	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 22:09	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	11/24/15 13:00	12/07/15 22:09	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	11/24/15 13:00	12/07/15 22:09	72-43-5	
Toxaphene	ND	ug/L	1.0	1	11/24/15 13:00	12/07/15 22:09	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	33	%.	10-128	1	11/24/15 13:00	12/07/15 22:09	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/24/15 13:00	12/01/15 18:41	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/24/15 13:00	12/01/15 18:41	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/24/15 13:00	12/01/15 18:41	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/24/15 13:00	12/01/15 18:41	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/24/15 13:00	12/01/15 18:41	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/24/15 13:00	12/01/15 18:41	11097-69-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-203-SS **Lab ID: 50132719024** Collected: 11/23/15 11:00 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/24/15 13:00	12/01/15 18:41	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	57	%.	32-115	1	11/24/15 13:00	12/01/15 18:41	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 19:23	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 19:23	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 19:23	93-72-1	
Surrogates								
2,4-DCAA (S)	138	%.	24-210	1	11/30/15 10:00	12/01/15 19:23	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**100**	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:05	7440-39-3	
Boron	**109**	ug/L	100	1	12/01/15 07:06	12/04/15 09:05	7440-42-8	
Calcium	**97400**	ug/L	500	1	12/01/15 07:06	12/04/15 09:05	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:05	7440-48-4	
Iron	**1090**	ug/L	50.0	1	12/01/15 07:06	12/04/15 09:05	7439-89-6	
Magnesium	**42700**	ug/L	500	1	12/01/15 07:06	12/04/15 09:05	7439-95-4	
Manganese	**17.8**	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:05	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:05	7440-02-0	
Sodium	**8220**	ug/L	1000	1	12/01/15 07:06	12/04/15 09:05	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:05	7440-31-5	
Total Hardness by 2340B	**419000**	ug/L	1000	1	12/01/15 07:06	12/04/15 09:05		
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 09:05	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:25	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:25	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:25	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 14:25	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:25	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:25	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:25	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:25	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 14:25	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 14:25	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 14:25	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/08/15 11:43	12/08/15 18:00	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	53-96-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-203-SS **Lab ID: 50132719024** Collected: 11/23/15 11:00 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
4-Aminobiphenyl	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	218-01-9	
Diallate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 19:03	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 19:03	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 19:03	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	62-50-0	
Famphur	ND	ug/L	200	1	11/24/15 13:00	11/25/15 19:03	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	206-44-0	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-203-SS **Lab ID: 50132719024** Collected: 11/23/15 11:00 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Fluorene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	120-58-1	
Kepone	ND	ug/L	200	1	11/24/15 13:00	11/25/15 19:03	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03		
1-Naphthalenamine	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/24/15 13:00	11/25/15 19:03	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	85-01-8	
Phenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 19:03	106-50-3	
Phorate	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	298-02-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-203-SS **Lab ID: 50132719024** Collected: 11/23/15 11:00 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Pronamide	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	129-00-0	
Safrole	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/24/15 13:00	11/25/15 19:03	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/24/15 13:00	11/25/15 19:03	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	65	%.	38-124	1	11/24/15 13:00	11/25/15 19:03	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	33-114	1	11/24/15 13:00	11/25/15 19:03	321-60-8	
p-Terphenyl-d14 (S)	35	%.	10-113	1	11/24/15 13:00	11/25/15 19:03	1718-51-0	
Phenol-d5 (S)	25	%.	10-58	1	11/24/15 13:00	11/25/15 19:03	4165-62-2	
2-Fluorophenol (S)	34	%.	11-79	1	11/24/15 13:00	11/25/15 19:03	367-12-4	
2,4,6-Tribromophenol (S)	75	%.	29-158	1	11/24/15 13:00	11/25/15 19:03	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/03/15 11:14	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 11:14	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/03/15 11:14	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/03/15 11:14	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 11:14	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/03/15 11:14	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 11:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 11:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 11:14	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 11:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 11:14	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 11:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 11:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/03/15 11:14	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 11:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 11:14	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 11:14	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 11:14	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 11:14	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 11:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 11:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 11:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 11:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 11:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 11:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 11:14	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 11:14	75-71-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-203-SS **Lab ID: 50132719024** Collected: 11/23/15 11:00 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 11:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 11:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 11:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 11:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 11:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 11:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 11:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 11:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 11:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 11:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 11:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/03/15 11:14	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 11:14	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 11:14	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 11:14	74-88-4	
Isobutanol	ND	ug/L	100	1		12/03/15 11:14	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 11:14	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 11:14	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 11:14	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 11:14	108-10-1	
Propionitrile	ND	ug/L	100	1		12/03/15 11:14	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 11:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 11:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 11:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 11:14	127-18-4	
Toluene	ND	ug/L	5.0	1		12/03/15 11:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 11:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 11:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 11:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 11:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 11:14	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 11:14	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 11:14	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/03/15 11:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/03/15 11:14	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/03/15 11:14	460-00-4	
Toluene-d8 (S)	103	%.	81-110	1		12/03/15 11:14	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**425**	mg/L	10.0	1		11/25/15 07:01		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/02/15 13:06	12/02/15 17:35		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-203-SS **Lab ID: 50132719024** Collected: 11/23/15 11:00 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/25/15 10:05		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 10:05		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:29	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/01/15 09:16	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.3**	mg/L	2.0	2		12/09/15 10:17	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/04/15 13:10	12/04/15 17:29	57-12-5	

Sample: MW-1204 **Lab ID: 50132719025** Collected: 11/23/15 14:28 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.37**	Std. Units		1		11/23/15 14:28		
Field Temperature	**19.2**	deg C		1		11/23/15 14:28		
Field Specific Conductance	**6070**	umhos/cm		1		11/23/15 14:28		
Field Turbidity	**37.66**	NTU		1		11/23/15 14:28		
Total Well Depth	**222.52**	feet		1		11/23/15 14:28		
Elevation Water Level	**468.98**	ft/msl		1		11/23/15 14:28		
Collar Elevation	**485.53**	ft/msl		1		11/23/15 14:28		
Depth to Water	**16.55**	feet		1		11/23/15 14:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1970**	mg/L	250	1000		12/03/15 12:42	16887-00-6	
Fluoride	**1.5**	mg/L	1.0	10		12/03/15 12:08	16984-48-8	
Sulfate	**40.0**	mg/L	2.5	10		12/03/15 12:08	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.50	10	11/24/15 13:00	12/09/15 21:32	319-84-6	D3
gamma-BHC (Lindane)	ND	ug/L	0.50	10	11/24/15 13:00	12/09/15 21:32	58-89-9	
beta-BHC	ND	ug/L	0.50	10	11/24/15 13:00	12/09/15 21:32	319-85-7	
Heptachlor	ND	ug/L	0.50	10	11/24/15 13:00	12/09/15 21:32	76-44-8	
delta-BHC	ND	ug/L	0.50	10	11/24/15 13:00	12/09/15 21:32	319-86-8	
Aldrin	ND	ug/L	0.050	1	11/24/15 13:00	12/09/15 21:32	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	11/24/15 13:00	12/09/15 21:32	1024-57-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: MW-1204 **Lab ID: 50132719025** Collected: 11/23/15 14:28 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Endosulfan I	ND	ug/L	0.050	1	11/24/15 13:00	12/09/15 21:32	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	11/24/15 13:00	12/09/15 21:19	72-55-9	
Dieldrin	ND	ug/L	0.10	1	11/24/15 13:00	12/09/15 21:32	60-57-1	
Endrin	ND	ug/L	0.10	1	11/24/15 13:00	12/09/15 21:32	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	11/24/15 13:00	12/09/15 21:32	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	11/24/15 13:00	12/09/15 21:32	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	11/24/15 13:00	12/09/15 21:32	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	11/24/15 13:00	12/09/15 21:32	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	11/24/15 13:00	12/09/15 21:32	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	11/24/15 13:00	12/09/15 21:32	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	11/24/15 13:00	12/09/15 21:32	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	11/24/15 13:00	12/09/15 21:32	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	11/24/15 13:00	12/09/15 21:32	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	11/24/15 13:00	12/09/15 21:32	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	4	%.	10-128	1	11/24/15 13:00	12/09/15 21:32	2051-24-3	3d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 15:01	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	11/24/15 13:00	12/02/15 15:01	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 15:01	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 15:01	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 15:01	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 15:01	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	11/24/15 13:00	12/02/15 15:01	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	18	%.	32-115	1	11/24/15 13:00	12/02/15 15:01	877-09-8	4d
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	10.4	10	11/30/15 10:00	12/08/15 03:27	93-76-5	D3
2,4-D	ND	ug/L	10.4	10	11/30/15 10:00	12/08/15 03:27	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	10.4	10	11/30/15 10:00	12/08/15 03:27	93-72-1	
Surrogates								
2,4-DCAA (S)	0	%.	24-210	10	11/30/15 10:00	12/08/15 03:27	19719-28-9	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**9280**	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:07	7440-39-3	
Boron	**5780**	ug/L	100	1	12/01/15 07:06	12/04/15 09:07	7440-42-8	
Calcium	**1430000**	ug/L	5000	10	12/01/15 07:06	12/04/15 11:17	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:07	7440-48-4	
Iron	**78800**	ug/L	50.0	1	12/01/15 07:06	12/04/15 09:07	7439-89-6	
Magnesium	**284000**	ug/L	500	1	12/01/15 07:06	12/04/15 09:07	7439-95-4	
Manganese	**3480**	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:07	7439-96-5	
Nickel	**20.2**	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:07	7440-02-0	
Sodium	**861000**	ug/L	10000	10	12/01/15 07:06	12/04/15 11:17	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:07	7440-31-5	
Total Hardness by 2340B	**4750000**	ug/L	10000	10	12/01/15 07:06	12/04/15 11:17		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: MW-1204 **Lab ID: 50132719025** Collected: 11/23/15 14:28 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 09:07	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 17:18	7440-36-0	
Arsenic	**39.0**	ug/L	10.0	1	01/15/16 16:00	01/18/16 17:18	7440-38-2	
Beryllium	ND	ug/L	4.0	1	01/15/16 16:00	01/18/16 17:18	7440-41-7	
Cadmium	ND	ug/L	0.40	1	01/15/16 16:00	01/18/16 17:18	7440-43-9	
Chromium	**145**	ug/L	10.0	1	01/15/16 16:00	01/18/16 17:18	7440-47-3	
Copper	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 17:18	7440-50-8	
Lead	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 17:18	7439-92-1	
Selenium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 17:18	7782-49-2	
Silver	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 17:18	7440-22-4	
Thallium	ND	ug/L	4.0	1	01/15/16 16:00	01/18/16 17:18	7440-28-0	
Vanadium	**30.9**	ug/L	20.0	1	01/15/16 16:00	01/18/16 17:18	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/08/15 11:43	12/08/15 18:02	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	83-32-9	
Acenaphthylene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	208-96-8	
Acetophenone	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	98-86-2	
2-Acetylaminofluorene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	53-96-3	
4-Aminobiphenyl	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	92-67-1	
Anthracene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	120-12-7	
Benzo(a)anthracene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	207-08-9	
Benzyl alcohol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	101-55-3	
Butylbenzylphthalate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	59-50-7	
4-Chloroaniline	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	106-47-8	
Chlorobenzilate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	111-44-4	2d
bis(2-Chloroisopropyl) ether	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	108-60-1	
2-Chloronaphthalene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	91-58-7	
2-Chlorophenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	7005-72-3	
Chrysene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	218-01-9	
Diallate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	53-70-3	
Dibenzofuran	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	132-64-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: MW-1204 **Lab ID: 50132719025** Collected: 11/23/15 14:28 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3,3'-Dichlorobenzidine	ND	ug/L	200	10	11/24/15 13:00	12/02/15 18:30	91-94-1	
2,4-Dichlorophenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	120-83-2	
2,6-Dichlorophenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	87-65-0	
Diethylphthalate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	84-66-2	
Dimethoate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	200	10	11/24/15 13:00	12/02/15 18:30	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	200	10	11/24/15 13:00	12/02/15 18:30	119-93-7	
2,4-Dimethylphenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	105-67-9	
Dimethylphthalate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	131-11-3	
Di-n-butylphthalate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	99-65-0	
2,4-Dinitrophenol	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	606-20-2	
Di-n-octylphthalate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	117-84-0	
Dinoseb	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	88-85-7	
Diphenylamine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	122-39-4	
Disulfoton	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	117-81-7	
Ethyl methanesulfonate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	62-50-0	
Famphur	ND	ug/L	2000	10	11/24/15 13:00	12/02/15 18:30	52-85-7	
Fluoranthene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	206-44-0	
Fluorene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	87-68-3	
Hexachlorobenzene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	77-47-4	
Hexachloroethane	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	67-72-1	
Hexachloropropene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	193-39-5	
Isodrin	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	465-73-6	
Isophorone	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	78-59-1	
Isosafrole	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	120-58-1	
Kepone	ND	ug/L	2000	10	11/24/15 13:00	12/02/15 18:30	143-50-0	
Methapyrilene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	91-80-5	
3-Methylcholanthrene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	56-49-5	
Methyl methanesulfonate	**341**	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	66-27-3	
2-Methylnaphthalene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	91-57-6	
Methyl parathion	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	95-48-7	
3&4-Methylphenol(m&p Cresol)	**4020**	ug/L	500	50	11/24/15 13:00	12/08/15 12:56		
1-Naphthalenamine	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	134-32-7	
2-Naphthalenamine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	91-59-8	
Naphthalene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	91-20-3	
1,4-Naphthoquinone	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	130-15-4	
2-Nitroaniline	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	88-74-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: MW-1204 **Lab ID: 50132719025** Collected: 11/23/15 14:28 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3-Nitroaniline	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	99-09-2	
4-Nitroaniline	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	100-01-6	
Nitrobenzene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	98-95-3	
2-Nitrophenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	88-75-5	
4-Nitrophenol	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	56-38-2	
Pentachlorobenzene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	608-93-5	
Pentachloronitrobenzene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	82-68-8	
Pentachlorophenol	ND	ug/L	500	10	11/24/15 13:00	12/02/15 18:30	87-86-5	
Phenacetin	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	62-44-2	
Phenanthrene	**107**	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	85-01-8	
Phenol	**2500**	ug/L	500	50	11/24/15 13:00	12/08/15 12:56	108-95-2	
p-Phenylenediamine	ND	ug/L	200	10	11/24/15 13:00	12/02/15 18:30	106-50-3	
Phorate	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	298-02-2	
Pronamide	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	23950-58-5	
Pyrene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	129-00-0	
Safrole	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	58-90-2	
Thionazin	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	297-97-2	
O-Toluidine	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	10	11/24/15 13:00	12/02/15 18:30	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	200	10	11/24/15 13:00	12/02/15 18:30	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	171	%.	38-124	10	11/24/15 13:00	12/02/15 18:30	4165-60-0	S4
2-Fluorobiphenyl (S)	98	%.	33-114	10	11/24/15 13:00	12/02/15 18:30	321-60-8	
p-Terphenyl-d14 (S)	14	%.	10-113	10	11/24/15 13:00	12/02/15 18:30	1718-51-0	
Phenol-d5 (S)	180	%.	10-58	10	11/24/15 13:00	12/02/15 18:30	4165-62-2	S4
2-Fluorophenol (S)	72	%.	11-79	10	11/24/15 13:00	12/02/15 18:30	367-12-4	
2,4,6-Tribromophenol (S)	105	%.	29-158	10	11/24/15 13:00	12/02/15 18:30	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**16600**	ug/L	1000	100		11/30/15 00:37	67-64-1	
Acetonitrile	ND	ug/L	10000	100		11/30/15 00:37	75-05-8	
Acrolein	ND	ug/L	5000	100		11/30/15 00:37	107-02-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: MW-1204 **Lab ID: 50132719025** Collected: 11/23/15 14:28 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acrylonitrile	ND	ug/L	10000	100		11/30/15 00:37	107-13-1	
Allyl chloride	ND	ug/L	500	100		11/30/15 00:37	107-05-1	N2
Benzene	ND	ug/L	500	100		11/30/15 00:37	71-43-2	
Bromochloromethane	ND	ug/L	500	100		11/30/15 00:37	74-97-5	
Bromodichloromethane	ND	ug/L	500	100		11/30/15 00:37	75-27-4	
Bromoform	ND	ug/L	500	100		11/30/15 00:37	75-25-2	
Bromomethane	ND	ug/L	1000	100		11/30/15 00:37	74-83-9	
2-Butanone (MEK)	**5770**	ug/L	1000	100		11/30/15 00:37	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		11/30/15 00:37	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		11/30/15 00:37	56-23-5	
Chlorobenzene	ND	ug/L	500	100		11/30/15 00:37	108-90-7	
Chloroethane	ND	ug/L	1000	100		11/30/15 00:37	75-00-3	
Chloroform	ND	ug/L	500	100		11/30/15 00:37	67-66-3	
Chloromethane	ND	ug/L	1000	100		11/30/15 00:37	74-87-3	
Chloroprene	ND	ug/L	10000	100		11/30/15 00:37	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		11/30/15 00:37	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		11/30/15 00:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		11/30/15 00:37	106-93-4	
Dibromomethane	ND	ug/L	1000	100		11/30/15 00:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	500	100		11/30/15 00:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		11/30/15 00:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		11/30/15 00:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1000	100		11/30/15 00:37	110-57-6	
Dichlorodifluoromethane	ND	ug/L	500	100		11/30/15 00:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		11/30/15 00:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		11/30/15 00:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		11/30/15 00:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		11/30/15 00:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		11/30/15 00:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		11/30/15 00:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	500	100		11/30/15 00:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	500	100		11/30/15 00:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	500	100		11/30/15 00:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	500	100		11/30/15 00:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		11/30/15 00:37	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		11/30/15 00:37	100-41-4	
Ethyl methacrylate	ND	ug/L	10000	100		11/30/15 00:37	97-63-2	
2-Hexanone	ND	ug/L	1000	100		11/30/15 00:37	591-78-6	
Iodomethane	ND	ug/L	500	100		11/30/15 00:37	74-88-4	
Isobutanol	ND	ug/L	10000	100		11/30/15 00:37	78-83-1	N2
Methacrylonitrile	ND	ug/L	10000	100		11/30/15 00:37	126-98-7	N2
Methylene Chloride	ND	ug/L	500	100		11/30/15 00:37	75-09-2	
Methyl methacrylate	ND	ug/L	10000	100		11/30/15 00:37	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1000	100		11/30/15 00:37	108-10-1	
Propionitrile	ND	ug/L	10000	100		11/30/15 00:37	107-12-0	N2
Styrene	ND	ug/L	500	100		11/30/15 00:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	500	100		11/30/15 00:37	630-20-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: MW-1204 **Lab ID: 50132719025** Collected: 11/23/15 14:28 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		11/30/15 00:37	79-34-5	
Tetrachloroethene	ND	ug/L	500	100		11/30/15 00:37	127-18-4	
Toluene	ND	ug/L	500	100		11/30/15 00:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	500	100		11/30/15 00:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		11/30/15 00:37	79-00-5	
Trichloroethene	ND	ug/L	500	100		11/30/15 00:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1000	100		11/30/15 00:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	500	100		11/30/15 00:37	96-18-4	
Vinyl acetate	ND	ug/L	1000	100		11/30/15 00:37	108-05-4	
Vinyl chloride	ND	ug/L	200	100		11/30/15 00:37	75-01-4	
Xylene (Total)	ND	ug/L	500	100		11/30/15 00:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	210	%.	79-116	100		11/30/15 00:37	1868-53-7	D3,HS, S5
4-Bromofluorobenzene (S)	195	%.	80-114	100		11/30/15 00:37	460-00-4	S5
Toluene-d8 (S)	192	%.	81-110	100		11/30/15 00:37	2037-26-5	S5
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**11100**	mg/L	40.0	1		11/25/15 07:02		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**10200**	mg/L	100	1	12/03/15 13:47	12/03/15 16:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	10.0	10		11/25/15 10:06		D3
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.50	5		12/09/15 10:06		D3
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.10**	mg/L	0.050	1	12/08/15 12:00	12/09/15 15:30	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**127**	mg/L	2.5	25		12/01/15 09:34	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**3680**	mg/L	2000	2000		12/09/15 10:17	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.010	1	12/04/15 13:10	12/04/15 17:29	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-05 **Lab ID: 50132719026** Collected: 11/23/15 08:00 Received: 11/24/15 09:10 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		12/01/15 01:34	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/01/15 01:34	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/01/15 01:34	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/01/15 01:34	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/01/15 01:34	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/01/15 01:34	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/01/15 01:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/01/15 01:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/01/15 01:34	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/01/15 01:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/15 01:34	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/01/15 01:34	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/01/15 01:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/01/15 01:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/01/15 01:34	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/01/15 01:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/01/15 01:34	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/01/15 01:34	74-87-3	
Chloroprene	ND	ug/L	100	1		12/01/15 01:34	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/01/15 01:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/01/15 01:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/01/15 01:34	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/01/15 01:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 01:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 01:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 01:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/01/15 01:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/01/15 01:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/01/15 01:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/15 01:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/01/15 01:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 01:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 01:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 01:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/01/15 01:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 01:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/01/15 01:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 01:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 01:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/01/15 01:34	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/01/15 01:34	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/01/15 01:34	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/01/15 01:34	74-88-4	
Isobutanol	ND	ug/L	100	1		12/01/15 01:34	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/01/15 01:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/01/15 01:34	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/01/15 01:34	126-98-7	N2

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: TB-05 **Lab ID: 50132719026** Collected: 11/23/15 08:00 Received: 11/24/15 09:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	5.0	1		12/01/15 01:34	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/01/15 01:34	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/15 01:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/01/15 01:34	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/01/15 01:34	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/01/15 01:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 01:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 01:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/01/15 01:34	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/01/15 01:34	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/01/15 01:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/01/15 01:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/01/15 01:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/01/15 01:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/01/15 01:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/01/15 01:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/01/15 01:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/01/15 01:34	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/01/15 01:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/01/15 01:34	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/01/15 01:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		12/01/15 01:34	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/01/15 01:34	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		12/01/15 01:34	2037-26-5	

Sample: PZ-204-SS **Lab ID: 50132719027** Collected: 11/24/15 09:32 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.59**	Std. Units		1		11/24/15 09:32		
Field Temperature	**15.0**	deg C		1		11/24/15 09:32		
Field Specific Conductance	**673**	umhos/cm		1		11/24/15 09:32		
Field Turbidity	**10.73**	NTU		1		11/24/15 09:32		
Total Well Depth	**88.00**	feet		1		11/24/15 09:32		
Elevation Water Level	**456.94**	ft/msl		1		11/24/15 09:32		
Collar Elevation	**464.79**	ft/msl		1		11/24/15 09:32		
Depth to Water	**7.85**	feet		1		11/24/15 09:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.3**	mg/L	0.25	1		12/03/15 12:59	16887-00-6	
Fluoride	**0.50**	mg/L	0.10	1		12/03/15 12:59	16984-48-8	
Sulfate	**24.6**	mg/L	2.5	10		12/03/15 13:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-204-SS **Lab ID: 50132719027** Collected: 11/24/15 09:32 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:11	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:11	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:11	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:11	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:11	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:11	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:11	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:11	5103-74-2	
4,4'-DDD	ND	ug/L	0.099	1	12/01/15 15:30	12/03/15 21:11	72-54-8	
4,4'-DDE	ND	ug/L	0.099	1	12/01/15 15:30	12/03/15 21:11	72-55-9	
4,4'-DDT	ND	ug/L	0.099	1	12/01/15 15:30	12/03/15 21:11	50-29-3	
Dieldrin	ND	ug/L	0.099	1	12/01/15 15:30	12/03/15 21:11	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:11	959-98-8	
Endosulfan II	ND	ug/L	0.099	1	12/01/15 15:30	12/03/15 21:11	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.099	1	12/01/15 15:30	12/03/15 21:11	1031-07-8	
Endrin	ND	ug/L	0.099	1	12/01/15 15:30	12/03/15 21:11	72-20-8	
Endrin aldehyde	ND	ug/L	0.099	1	12/01/15 15:30	12/03/15 21:11	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:11	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:11	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:11	72-43-5	
Toxaphene	ND	ug/L	0.99	1	12/01/15 15:30	12/03/15 21:11	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	55	%.	10-128	1	12/01/15 15:30	12/03/15 21:11	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.099	1	12/01/15 15:30	12/02/15 15:50	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/01/15 15:30	12/02/15 15:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.099	1	12/01/15 15:30	12/02/15 15:50	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.099	1	12/01/15 15:30	12/02/15 15:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.099	1	12/01/15 15:30	12/02/15 15:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.099	1	12/01/15 15:30	12/02/15 15:50	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.099	1	12/01/15 15:30	12/02/15 15:50	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	78	%.	32-115	1	12/01/15 15:30	12/02/15 15:50	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 20:24	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 20:24	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	11/30/15 10:00	12/01/15 20:24	93-72-1	
Surrogates								
2,4-DCAA (S)	67	%.	24-210	1	11/30/15 10:00	12/01/15 20:24	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**181**	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:10	7440-39-3	
Boron	**106**	ug/L	100	1	12/01/15 07:06	12/04/15 09:10	7440-42-8	
Calcium	**68500**	ug/L	500	1	12/01/15 07:06	12/04/15 09:10	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:10	7440-48-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-204-SS **Lab ID: 50132719027** Collected: 11/24/15 09:32 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Iron	**834**	ug/L	50.0	1	12/01/15 07:06	12/04/15 09:10	7439-89-6	
Magnesium	**50800**	ug/L	500	1	12/01/15 07:06	12/04/15 09:10	7439-95-4	
Manganese	**37.6**	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:10	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:10	7440-02-0	
Sodium	**27800**	ug/L	1000	1	12/01/15 07:06	12/04/15 09:10	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:10	7440-31-5	
Total Hardness by 2340B	**380000**	ug/L	1000	1	12/01/15 07:06	12/04/15 09:10		
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 09:10	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:16	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:16	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 16:16	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 16:16	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:16	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:16	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:16	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:16	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:16	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 16:16	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 16:16	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/08/15 11:39	12/08/15 16:52	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	108-60-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-204-SS **Lab ID: 50132719027** Collected: 11/24/15 09:32 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Chloronaphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	218-01-9	
Diallate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:22	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:22	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:22	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	62-50-0	
Famphur	ND	ug/L	200	1	11/30/15 10:00	12/01/15 18:22	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	120-58-1	
Kepone	ND	ug/L	200	1	11/30/15 10:00	12/01/15 18:22	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	298-00-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-204-SS **Lab ID: 50132719027** Collected: 11/24/15 09:32 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22		
1-Naphthalenamine	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:22	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	85-01-8	
Phenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:22	106-50-3	
Phorate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	129-00-0	
Safrole	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:22	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:22	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	70	%.	38-124	1	11/30/15 10:00	12/01/15 18:22	4165-60-0	
2-Fluorobiphenyl (S)	64	%.	33-114	1	11/30/15 10:00	12/01/15 18:22	321-60-8	
p-Terphenyl-d14 (S)	47	%.	10-113	1	11/30/15 10:00	12/01/15 18:22	1718-51-0	
Phenol-d5 (S)	24	%.	10-58	1	11/30/15 10:00	12/01/15 18:22	4165-62-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-204-SS **Lab ID: 50132719027** Collected: 11/24/15 09:32 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Surrogates								
2-Fluorophenol (S)	36	%.	11-79	1	11/30/15 10:00	12/01/15 18:22	367-12-4	
2,4,6-Tribromophenol (S)	83	%.	29-158	1	11/30/15 10:00	12/01/15 18:22	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/03/15 14:35	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 14:35	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/03/15 14:35	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/03/15 14:35	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 14:35	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/03/15 14:35	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 14:35	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 14:35	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 14:35	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 14:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 14:35	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 14:35	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 14:35	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/03/15 14:35	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 14:35	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 14:35	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 14:35	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 14:35	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 14:35	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 14:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 14:35	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 14:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 14:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 14:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 14:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 14:35	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 14:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 14:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 14:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 14:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 14:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 14:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 14:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 14:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 14:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 14:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 14:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 14:35	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/03/15 14:35	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 14:35	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 14:35	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 14:35	74-88-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-204-SS **Lab ID: 50132719027** Collected: 11/24/15 09:32 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Isobutanol	ND	ug/L	100	1		12/03/15 14:35	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 14:35	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 14:35	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 14:35	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 14:35	108-10-1	
Propionitrile	ND	ug/L	100	1		12/03/15 14:35	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 14:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 14:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 14:35	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 14:35	127-18-4	
Toluene	ND	ug/L	5.0	1		12/03/15 14:35	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 14:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 14:35	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 14:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 14:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 14:35	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 14:35	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 14:35	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/03/15 14:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/03/15 14:35	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/03/15 14:35	460-00-4	
Toluene-d8 (S)	103	%.	81-110	1		12/03/15 14:35	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**413**	mg/L	10.0	1		11/30/15 05:34		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/02/15 13:58	12/02/15 18:13		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/25/15 12:30		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 10:09		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.077**	mg/L	0.050	1	12/09/15 10:30	12/09/15 13:38	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/01/15 11:28	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/09/15 10:17	7440-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-204-SS **Lab ID: 50132719027** Collected: 11/24/15 09:32 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/04/15 13:10	12/04/15 17:33	57-12-5	

Sample: PZ-106-SD **Lab ID: 50132719028** Collected: 11/24/15 12:35 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.70**	Std. Units		1		11/24/15 12:35		
Field Temperature	**22.2**	deg C		1		11/24/15 12:35		
Field Specific Conductance	**3970**	umhos/cm		1		11/24/15 12:35		
Field Turbidity	**1.54**	NTU		1		11/24/15 12:35		
Total Well Depth	**196.23**	feet		1		11/24/15 12:35		
Elevation Water Level	**450.23**	ft/msl		1		11/24/15 12:35		
Collar Elevation	**463.42**	ft/msl		1		11/24/15 12:35		
Depth to Water	**13.19**	feet		1		11/24/15 12:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**582**	mg/L	25.0	100		12/03/15 14:07	16887-00-6	
Fluoride	**0.90**	mg/L	0.10	1		12/03/15 13:33	16984-48-8	
Sulfate	**26.8**	mg/L	2.5	10		12/03/15 13:50	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:24	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:24	58-89-9	
beta-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:24	319-85-7	
Heptachlor	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:24	76-44-8	
delta-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:24	319-86-8	
Aldrin	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:24	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:24	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:24	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:24	72-55-9	
Dieldrin	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:24	60-57-1	
Endrin	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:24	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:24	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:24	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:24	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:24	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:24	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:24	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:24	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:24	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:24	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	12/01/15 15:30	12/03/15 21:24	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	32	%.	10-128	1	12/01/15 15:30	12/03/15 21:24	2051-24-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SD **Lab ID: 50132719028** Collected: 11/24/15 12:35 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 15:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/01/15 15:30	12/03/15 15:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 15:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 15:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 15:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 15:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 15:29	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	64	%.	32-115	1	12/01/15 15:30	12/03/15 15:29	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	1.0	1	11/30/15 10:00	12/01/15 20:55	93-76-5	
2,4-D	ND	ug/L	1.0	1	11/30/15 10:00	12/01/15 20:55	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	11/30/15 10:00	12/01/15 20:55	93-72-1	
Surrogates								
2,4-DCAA (S)	67	%.	24-210	1	11/30/15 10:00	12/01/15 20:55	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**1380**	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:12	7440-39-3	
Boron	**2490**	ug/L	100	1	12/01/15 07:06	12/04/15 09:12	7440-42-8	
Calcium	**145000**	ug/L	500	1	12/01/15 07:06	12/04/15 09:12	7440-70-2	
Cobalt	**6.3**	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:12	7440-48-4	
Iron	**3450**	ug/L	50.0	1	12/01/15 07:06	12/04/15 09:12	7439-89-6	
Magnesium	**118000**	ug/L	500	1	12/01/15 07:06	12/04/15 09:12	7439-95-4	
Manganese	**30.7**	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:12	7439-96-5	
Nickel	**45.7**	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:12	7440-02-0	
Sodium	**462000**	ug/L	10000	10	12/01/15 07:06	12/04/15 11:19	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:12	7440-31-5	
Total Hardness by 2340B	**848000**	ug/L	1000	1	12/01/15 07:06	12/04/15 09:12		
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 09:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:47	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:47	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 16:47	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 16:47	7440-43-9	
Chromium	**19.6**	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:47	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:47	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:47	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:47	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:47	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 16:47	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 16:47	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/08/15 11:39	12/08/15 16:54	7439-97-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SD **Lab ID: 50132719028** Collected: 11/24/15 12:35 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	218-01-9	
Diallate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:42	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:42	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:42	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	298-04-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SD **Lab ID: 50132719028** Collected: 11/24/15 12:35 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	62-50-0	
Famphur	ND	ug/L	200	1	11/30/15 10:00	12/01/15 18:42	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	120-58-1	
Kepone	ND	ug/L	200	1	11/30/15 10:00	12/01/15 18:42	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42		
1-Naphthalenamine	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	91-59-8	
Naphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 18:42	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	62-44-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SD **Lab ID: 50132719028** Collected: 11/24/15 12:35 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Phenanthrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	85-01-8	
Phenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:42	106-50-3	
Phorate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	129-00-0	
Safrole	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 18:42	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 18:42	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	76	%.	38-124	1	11/30/15 10:00	12/01/15 18:42	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	33-114	1	11/30/15 10:00	12/01/15 18:42	321-60-8	
p-Terphenyl-d14 (S)	53	%.	10-113	1	11/30/15 10:00	12/01/15 18:42	1718-51-0	
Phenol-d5 (S)	33	%.	10-58	1	11/30/15 10:00	12/01/15 18:42	4165-62-2	
2-Fluorophenol (S)	47	%.	11-79	1	11/30/15 10:00	12/01/15 18:42	367-12-4	
2,4,6-Tribromophenol (S)	103	%.	29-158	1	11/30/15 10:00	12/01/15 18:42	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/01/15 11:40	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/01/15 11:40	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/01/15 11:40	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/01/15 11:40	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/01/15 11:40	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/01/15 11:40	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/01/15 11:40	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/01/15 11:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/01/15 11:40	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/01/15 11:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/15 11:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/01/15 11:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/01/15 11:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/01/15 11:40	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/01/15 11:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/01/15 11:40	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/01/15 11:40	74-87-3	
Chloroprene	ND	ug/L	100	1		12/01/15 11:40	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/01/15 11:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/01/15 11:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/01/15 11:40	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/01/15 11:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 11:40	95-50-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SD **Lab ID: 50132719028** Collected: 11/24/15 12:35 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 11:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/15 11:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/01/15 11:40	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/01/15 11:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/01/15 11:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/15 11:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/01/15 11:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 11:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/15 11:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 11:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/01/15 11:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/01/15 11:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/01/15 11:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 11:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/15 11:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/01/15 11:40	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/01/15 11:40	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/01/15 11:40	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/01/15 11:40	74-88-4	
Isobutanol	ND	ug/L	100	1		12/01/15 11:40	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/01/15 11:40	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/01/15 11:40	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/01/15 11:40	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/15 11:40	108-10-1	
Propionitrile	ND	ug/L	100	1		12/01/15 11:40	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/01/15 11:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 11:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/15 11:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/01/15 11:40	127-18-4	
Toluene	ND	ug/L	5.0	1		12/01/15 11:40	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/01/15 11:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/01/15 11:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/01/15 11:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/01/15 11:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/01/15 11:40	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/01/15 11:40	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/01/15 11:40	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/01/15 11:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/01/15 11:40	1868-53-7	
4-Bromofluorobenzene (S)	92	%.	80-114	1		12/01/15 11:40	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		12/01/15 11:40	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2210**	mg/L	10.0	1		11/30/15 05:34		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SD **Lab ID: 50132719028** Collected: 11/24/15 12:35 Received: 11/25/15 11:27 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	**519**	mg/L	10.0	1	12/03/15 13:47	12/03/15 16:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/25/15 12:30		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 10:12		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.15**	mg/L	0.050	1	12/09/15 10:30	12/09/15 13:39	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**83.4**	mg/L	1.0	10		12/01/15 11:31	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**173**	mg/L	100	100		12/09/15 10:17	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/04/15 13:10	12/04/15 17:34	57-12-5	

Sample: PZ-106-SS **Lab ID: 50132719029** Collected: 11/24/15 14:25 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.13**	Std. Units		1		11/24/15 14:25		
Field Temperature	**21.8**	deg C		1		11/24/15 14:25		
Field Specific Conductance	**710**	umhos/cm		1		11/24/15 14:25		
Field Turbidity	**1.16**	NTU		1		11/24/15 14:25		
Total Well Depth	**161.39**	feet		1		11/24/15 14:25		
Elevation Water Level	**450.11**	ft/msl		1		11/24/15 14:25		
Collar Elevation	**462.70**	ft/msl		1		11/24/15 14:25		
Depth to Water	**12.59**	feet		1		11/24/15 14:25		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**23.3**	mg/L	2.5	10		12/03/15 15:15	16887-00-6	
Fluoride	**2.1**	mg/L	0.10	1		12/03/15 14:58	16984-48-8	
Sulfate	**50.2**	mg/L	2.5	10		12/03/15 15:15	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:37	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:37	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:37	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:37	319-86-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SS **Lab ID: 50132719029** Collected: 11/24/15 14:25 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:37	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:37	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:37	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:37	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:37	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:37	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:37	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:37	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:37	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:37	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:37	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:37	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/01/15 15:30	12/03/15 21:37	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:37	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/01/15 15:30	12/03/15 21:37	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/01/15 15:30	12/03/15 21:37	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/01/15 15:30	12/03/15 21:37	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	58	%.	10-128	1	12/01/15 15:30	12/03/15 21:37	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/01/15 15:30	12/02/15 16:06	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/01/15 15:30	12/02/15 16:06	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/01/15 15:30	12/02/15 16:06	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/01/15 15:30	12/02/15 16:06	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/01/15 15:30	12/02/15 16:06	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/01/15 15:30	12/02/15 16:06	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/01/15 15:30	12/02/15 16:06	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	76	%.	32-115	1	12/01/15 15:30	12/02/15 16:06	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.0	1	11/30/15 10:00	12/01/15 21:25	94-75-7	
2,4,5-T	ND	ug/L	1.0	1	11/30/15 10:00	12/01/15 21:25	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	11/30/15 10:00	12/01/15 21:25	93-72-1	
Surrogates								
2,4-DCAA (S)	108	%.	24-210	1	11/30/15 10:00	12/01/15 21:25	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**143**	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:14	7440-39-3	
Boron	ND	ug/L	100	1	12/01/15 07:06	12/04/15 09:14	7440-42-8	
Calcium	**99100**	ug/L	500	1	12/01/15 07:06	12/04/15 09:14	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:14	7440-48-4	
Iron	**1030**	ug/L	50.0	1	12/01/15 07:06	12/04/15 09:14	7439-89-6	
Magnesium	**47000**	ug/L	500	1	12/01/15 07:06	12/04/15 09:14	7439-95-4	
Manganese	**12.2**	ug/L	5.0	1	12/01/15 07:06	12/04/15 09:14	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:14	7440-02-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SS **Lab ID: 50132719029** Collected: 11/24/15 14:25 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Sodium	**14500**	ug/L	1000	1	12/01/15 07:06	12/04/15 09:14	7440-23-5	
Tin	ND	ug/L	10.0	1	12/01/15 07:06	12/04/15 09:14	7440-31-5	
Total Hardness by 2340B	**441000**	ug/L	1000	1	12/01/15 07:06	12/04/15 09:14		
Zinc	ND	ug/L	20.0	1	12/01/15 07:06	12/04/15 09:14	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:51	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:51	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 16:51	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 16:00	01/18/16 16:51	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:51	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:51	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:51	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:51	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 16:00	01/18/16 16:51	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 16:00	01/18/16 16:51	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 16:00	01/18/16 16:51	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/08/15 11:39	12/08/15 17:01	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	208-96-8	
Acetophenone	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	92-67-1	
Anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	7005-72-3	
Chrysene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	218-01-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SS **Lab ID: 50132719029** Collected: 11/24/15 14:25 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Diallate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 19:02	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	84-66-2	
Dimethoate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 19:02	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 19:02	119-93-7	
2 4-Dimethylphenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	117-84-0	
Dinoseb	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	122-39-4	
Disulfoton	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	62-50-0	
Famphur	ND	ug/L	200	1	11/30/15 10:00	12/01/15 19:02	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	206-44-0	
Fluorene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	193-39-5	
Isodrin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	465-73-6	
Isophorone	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	78-59-1	
Isosafrole	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	120-58-1	
Kepone	ND	ug/L	200	1	11/30/15 10:00	12/01/15 19:02	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02		
1-Naphthalenamine	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	91-59-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SS **Lab ID: 50132719029** Collected: 11/24/15 14:25 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Naphthalene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	11/30/15 10:00	12/01/15 19:02	87-86-5	
Phenacetin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	85-01-8	
Phenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 19:02	106-50-3	
Phorate	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	298-02-2	
Pronamide	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	23950-58-5	
Pyrene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	129-00-0	
Safrole	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	58-90-2	
Thionazin	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	11/30/15 10:00	12/01/15 19:02	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	11/30/15 10:00	12/01/15 19:02	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	79	%.	38-124	1	11/30/15 10:00	12/01/15 19:02	4165-60-0	
2-Fluorobiphenyl (S)	71	%.	33-114	1	11/30/15 10:00	12/01/15 19:02	321-60-8	
p-Terphenyl-d14 (S)	68	%.	10-113	1	11/30/15 10:00	12/01/15 19:02	1718-51-0	
Phenol-d5 (S)	30	%.	10-58	1	11/30/15 10:00	12/01/15 19:02	4165-62-2	
2-Fluorophenol (S)	46	%.	11-79	1	11/30/15 10:00	12/01/15 19:02	367-12-4	
2,4,6-Tribromophenol (S)	90	%.	29-158	1	11/30/15 10:00	12/01/15 19:02	118-79-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SS **Lab ID: 50132719029** Collected: 11/24/15 14:25 Received: 11/25/15 11:27 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		12/03/15 15:08	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 15:08	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/03/15 15:08	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/03/15 15:08	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 15:08	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/03/15 15:08	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 15:08	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 15:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 15:08	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 15:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 15:08	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 15:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 15:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/03/15 15:08	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 15:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 15:08	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 15:08	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 15:08	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 15:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 15:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 15:08	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 15:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 15:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 15:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 15:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 15:08	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 15:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 15:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 15:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 15:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 15:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 15:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 15:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 15:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 15:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 15:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 15:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 15:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/03/15 15:08	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 15:08	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 15:08	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 15:08	74-88-4	
Isobutanol	ND	ug/L	100	1		12/03/15 15:08	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 15:08	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 15:08	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 15:08	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 15:08	108-10-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: PZ-106-SS **Lab ID: 50132719029** Collected: 11/24/15 14:25 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Propionitrile	ND	ug/L	100	1		12/03/15 15:08	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 15:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 15:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 15:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 15:08	127-18-4	
Toluene	ND	ug/L	5.0	1		12/03/15 15:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 15:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 15:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 15:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 15:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 15:08	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 15:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 15:08	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/03/15 15:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		12/03/15 15:08	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/03/15 15:08	460-00-4	
Toluene-d8 (S)	103	%.	81-110	1		12/03/15 15:08	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**466**	mg/L	10.0	1		11/30/15 05:34		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/02/15 13:58	12/02/15 18:13		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		11/25/15 12:31		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/09/15 10:13		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/09/15 10:30	12/09/15 13:39	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/01/15 11:32	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.0**	mg/L	1.0	1		12/09/15 10:17	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/04/15 13:10	12/04/15 17:36	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: Trip Blank **Lab ID: 50132719030** Collected: 11/24/15 00:00 Received: 11/25/15 11:27 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		12/03/15 23:21	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/03/15 23:21	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/03/15 23:21	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/03/15 23:21	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/03/15 23:21	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/03/15 23:21	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/03/15 23:21	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/03/15 23:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/03/15 23:21	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/03/15 23:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/03/15 23:21	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/03/15 23:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/03/15 23:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/03/15 23:21	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/03/15 23:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/03/15 23:21	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/03/15 23:21	74-87-3	
Chloroprene	ND	ug/L	100	1		12/03/15 23:21	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/03/15 23:21	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/03/15 23:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/03/15 23:21	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/03/15 23:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 23:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 23:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/03/15 23:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/03/15 23:21	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/03/15 23:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/03/15 23:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/03/15 23:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/03/15 23:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 23:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/03/15 23:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 23:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/03/15 23:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/03/15 23:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/03/15 23:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 23:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/03/15 23:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/03/15 23:21	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/03/15 23:21	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/03/15 23:21	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/03/15 23:21	74-88-4	
Isobutanol	ND	ug/L	100	1		12/03/15 23:21	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/03/15 23:21	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/03/15 23:21	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/03/15 23:21	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/03/15 23:21	108-10-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Sample: Trip Blank **Lab ID: 50132719030** Collected: 11/24/15 00:00 Received: 11/25/15 11:27 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Propionitrile	ND	ug/L	100	1		12/03/15 23:21	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/03/15 23:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 23:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/03/15 23:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/03/15 23:21	127-18-4	
Toluene	ND	ug/L	5.0	1		12/03/15 23:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/03/15 23:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/03/15 23:21	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/03/15 23:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/03/15 23:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/03/15 23:21	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/03/15 23:21	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/03/15 23:21	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/03/15 23:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/03/15 23:21	1868-53-7	
4-Bromofluorobenzene (S)	92	%.	80-114	1		12/03/15 23:21	460-00-4	
Toluene-d8 (S)	102	%.	81-110	1		12/03/15 23:21	2037-26-5	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: GCSV/17598 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1430964 | Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	11/24/15 04:46	
Fluoride	mg/L	ND	0.10	11/24/15 04:46	
Sulfate	mg/L	ND	0.25	11/24/15 04:46	

LABORATORY CONTROL SAMPLE: 1430965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	1.2	100	90-110	
Fluoride	mg/L	.5	0.51	102	90-110	
Sulfate	mg/L	2.5	2.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430966 1430967

Parameter	Units	50132951002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	0.38	1.2	1.2	1.6	1.6	97	96	80-120	0	15	
Fluoride	mg/L	ND	.5	.5	0.52	0.50	104	100	80-120	4	15	
Sulfate	mg/L	0.56	2.5	2.5	3.1	3.1	102	101	80-120	1	15	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: GCSV/17603 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008

METHOD BLANK: 1430980 — Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	11/25/15 04:40	
Fluoride	mg/L	ND	0.10	11/25/15 04:40	
Sulfate	mg/L	ND	0.25	11/25/15 04:40	

LABORATORY CONTROL SAMPLE: 1430981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	1.2	96	90-110	
Fluoride	mg/L	.5	0.51	101	90-110	
Sulfate	mg/L	2.5	2.5	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430982 — 1430983

Parameter	Units	50132762001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.0	12.5	12.5	29.1	28.9	96	95	80-120	1	15	
Fluoride	mg/L	0.32	.5	.5	0.86	0.87	107	109	80-120	1	15	
Sulfate	mg/L	12.9	2.5	2.5	15.5	15.5	104	106	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430984 — 1430985

Parameter	Units	50132899001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	28.9	12.5	12.5	41.2	41.2	98	98	80-120	0	15	
Fluoride	mg/L	0.19	.5	.5	0.73	0.73	106	107	80-120	0	15	
Sulfate	mg/L	50.3	25	25	75.5	75.5	101	101	80-120	0	15	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: GCSV/17655 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

METHOD BLANK: 1434305 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	12/03/15 00:09	
Fluoride	mg/L	ND	0.10	12/03/15 00:09	
Sulfate	mg/L	ND	0.25	12/03/15 00:09	

LABORATORY CONTROL SAMPLE: 1434306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	1.2	92	90-110	
Fluoride	mg/L	.5	0.52	103	90-110	
Sulfate	mg/L	2.5	2.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434307 1434308

Parameter	Units	50132719013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	19.7	12.5	12.5	30.3	30.4	85	86	80-120	0	15	
Fluoride	mg/L	0.63	.5	.5	1.2	1.2	113	113	80-120	0	15	
Sulfate	mg/L	19.5	2.5	2.5	22.4	22.4	118	118	80-120	0	15	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MERP/7194 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 50132719027, 50132719028, 50132719029

METHOD BLANK: 1436983 — Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/08/15 16:36	

LABORATORY CONTROL SAMPLE: 1436984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436985 — 1436986

Parameter	Units	50133271001 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	4.7	4.8	95	96	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436987 — 1436988

Parameter	Units	50133513002 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	4.8	4.7	96	94	75-125	2	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MERP/7204 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018

METHOD BLANK: 1438964 Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/07/15 16:34	

LABORATORY CONTROL SAMPLE: 1438965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.4	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438966 1438967

Parameter	Units	50132719005 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	5.1	5.1	101	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MERP/7205 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 50132719019, 50132719023, 50132719024, 50132719025

METHOD BLANK: 1438968 Matrix: Water
Associated Lab Samples: 50132719019, 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/08/15 17:40	

LABORATORY CONTROL SAMPLE: 1438969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438970 1438971

Parameter	Units	50132719019 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	4.1	4.0	81	79	75-125	3	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MPRP/18810 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719009

METHOD BLANK: 1428942 Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	11/30/15 16:38	
Boron	ug/L	ND	100	11/30/15 16:38	
Calcium	ug/L	ND	500	11/30/15 16:38	
Cobalt	ug/L	ND	5.0	11/30/15 16:38	
Iron	ug/L	ND	50.0	11/30/15 16:38	
Magnesium	ug/L	ND	500	11/30/15 16:38	
Manganese	ug/L	ND	5.0	11/30/15 16:38	
Nickel	ug/L	ND	10.0	11/30/15 16:38	
Sodium	ug/L	ND	1000	11/30/15 16:38	
Tin	ug/L	ND	10.0	11/30/15 16:38	
Total Hardness by 2340B	ug/L	ND	1000	11/30/15 16:38	
Zinc	ug/L	ND	20.0	11/30/15 16:38	

LABORATORY CONTROL SAMPLE: 1428943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	1110	111	80-120	
Boron	ug/L	1000	1110	111	80-120	
Calcium	ug/L	10000	10500	105	80-120	
Cobalt	ug/L	1000	1070	107	80-120	
Iron	ug/L	10000	10700	107	80-120	
Magnesium	ug/L	10000	10600	106	80-120	
Manganese	ug/L	1000	991	99	80-120	
Nickel	ug/L	1000	1070	107	80-120	
Sodium	ug/L	10000	11100	111	80-120	
Tin	ug/L	1000	1090	109	80-120	
Total Hardness by 2340B	ug/L	66200	70000	106	80-120	
Zinc	ug/L	1000	1060	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1428944 1428945

Parameter	Units	50132719003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	320	1000	1000	1370	1350	105	103	75-125	1	20	
Boron	ug/L	ND	1000	1000	1120	1100	107	105	75-125	2	20	
Calcium	ug/L	74300	10000	10000	83800	82400	95	81	75-125	2	20	
Cobalt	ug/L	ND	1000	1000	991	980	99	98	75-125	1	20	
Iron	ug/L	545	10000	10000	10600	10400	100	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1428944 1428945

Parameter	Units	50132719003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium	ug/L	34700	10000	10000	44400	44100	97	94	75-125	1	20	
Manganese	ug/L	26.9	1000	1000	963	939	94	91	75-125	3	20	
Nickel	ug/L	ND	1000	1000	994	979	99	98	75-125	2	20	
Sodium	ug/L	8260	10000	10000	18600	18500	103	102	75-125	0	20	
Tin	ug/L	ND	1000	1000	1030	1020	103	102	75-125	2	20	
Total Hardness by 2340B	ug/L	328000	66200	66200	392000	387000	96	89	75-125	1	20	
Zinc	ug/L	ND	1000	1000	990	980	99	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MPRP/18919 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

METHOD BLANK: 1434627 — Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	12/04/15 09:24	
Boron	ug/L	ND	100	12/04/15 09:24	
Calcium	ug/L	ND	500	12/04/15 09:24	
Cobalt	ug/L	ND	5.0	12/04/15 09:24	
Iron	ug/L	ND	50.0	12/04/15 09:24	
Magnesium	ug/L	ND	500	12/04/15 09:24	
Manganese	ug/L	ND	5.0	12/04/15 09:24	
Nickel	ug/L	ND	10.0	12/04/15 09:24	
Sodium	ug/L	ND	1000	12/04/15 09:24	
Tin	ug/L	ND	10.0	12/04/15 09:24	
Total Hardness by 2340B	ug/L	ND	1000	12/04/15 09:24	
Zinc	ug/L	ND	20.0	12/04/15 09:24	

LABORATORY CONTROL SAMPLE: 1434628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	1060	106	80-120	
Boron	ug/L	1000	1080	108	80-120	
Calcium	ug/L	10000	10800	108	80-120	
Cobalt	ug/L	1000	1040	104	80-120	
Iron	ug/L	10000	10600	106	80-120	
Magnesium	ug/L	10000	10400	104	80-120	
Manganese	ug/L	1000	1050	105	80-120	
Nickel	ug/L	1000	1060	106	80-120	
Sodium	ug/L	10000	10600	106	80-120	
Tin	ug/L	1000	1050	105	80-120	
Total Hardness by 2340B	ug/L	66200	69600	105	80-120	
Zinc	ug/L	1000	1050	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434656 — 1434657

Parameter	Units	50132719017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	979	1000	1000	2030	2040	105	106	75-125	1	20	
Boron	ug/L	464	1000	1000	1570	1580	110	112	75-125	1	20	
Calcium	ug/L	245000	10000	10000	257000	260000	118	151	75-125	1	20	P6
Cobalt	ug/L	ND	1000	1000	957	962	96	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434656 1434657

Parameter	Units	50132719017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	85800	10000	10000	97900	98800	121	130	75-125	1	20	P6
Magnesium	ug/L	47800	10000	10000	58900	59300	110	115	75-125	1	20	
Manganese	ug/L	3560	1000	1000	4620	4670	106	111	75-125	1	20	
Nickel	ug/L	ND	1000	1000	979	986	97	98	75-125	1	20	
Sodium	ug/L	186000	10000	10000	208000	211000	223	248	75-125	1	20	P6
Tin	ug/L	ND	1000	1000	982	985	98	99	75-125	0	20	
Total Hardness by 2340B	ug/L	808000	66200	66200	883000	893000	113	128	75-125	1	20	
Zinc	ug/L	ND	1000	1000	981	983	98	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MPRP/19407 — Analysis Method: EPA 6020
QC Batch Method: EPA 200.2 — Analysis Description: 6020 MET
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719009, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024

METHOD BLANK: 1461538 — Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719009, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	01/18/16 12:07	
Arsenic	ug/L	ND	5.0	01/18/16 12:07	
Beryllium	ug/L	ND	2.0	01/18/16 12:07	
Cadmium	ug/L	ND	0.20	01/18/16 12:07	
Chromium	ug/L	ND	5.0	01/18/16 12:07	
Copper	ug/L	ND	5.0	01/18/16 12:07	
Lead	ug/L	ND	5.0	01/18/16 12:07	
Selenium	ug/L	ND	5.0	01/18/16 12:07	
Silver	ug/L	ND	5.0	01/18/16 12:07	
Thallium	ug/L	ND	2.0	01/18/16 12:07	
Vanadium	ug/L	ND	10.0	01/18/16 12:07	

LABORATORY CONTROL SAMPLE: 1461539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.5	106	80-120	
Arsenic	ug/L	40	39.5	99	80-120	
Beryllium	ug/L	40	39.2	98	80-120	
Cadmium	ug/L	40	41.1	103	80-120	
Chromium	ug/L	40	42.0	105	80-120	
Copper	ug/L	40	41.3	103	80-120	
Lead	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Silver	ug/L	40	40.2	100	80-120	
Thallium	ug/L	40	40.9	102	80-120	
Vanadium	ug/L	40	41.6	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461540 — 1461541

Parameter	Units	50132719001 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	43.3	41.5	108	103	75-125	4	20	
Arsenic	ug/L	9.6	40	40	48.1	48.2	96	97	75-125	0	20	
Beryllium	ug/L	ND	40	40	40.5	39.7	101	99	75-125	2	20	
Cadmium	ug/L	ND	40	40	40.6	39.3	101	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461540 1461541

Parameter	Units	50132719001 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	40.8	41.6	97	99	75-125	2	20	
Copper	ug/L	ND	40	40	37.2	36.6	90	89	75-125	2	20	
Lead	ug/L	ND	40	40	40.7	39.8	101	99	75-125	2	20	
Selenium	ug/L	ND	40	40	31.9	32.7	80	82	75-125	2	20	
Silver	ug/L	ND	40	40	38.3	37.1	96	93	75-125	3	20	
Thallium	ug/L	ND	40	40	41.3	40.0	103	100	75-125	3	20	
Vanadium	ug/L	ND	40	40	41.3	41.9	101	103	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MPRP/19411 Analysis Method: EPA 6020
QC Batch Method: EPA 200.2 Analysis Description: 6020 MET
Associated Lab Samples: 50132719025, 50132719027, 50132719028, 50132719029

METHOD BLANK: 1461792 Matrix: Water
Associated Lab Samples: 50132719025, 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	01/18/16 16:03	
Arsenic	ug/L	ND	5.0	01/18/16 16:03	
Beryllium	ug/L	ND	2.0	01/18/16 16:03	
Cadmium	ug/L	ND	0.20	01/18/16 16:03	
Chromium	ug/L	ND	5.0	01/18/16 16:03	
Copper	ug/L	ND	5.0	01/18/16 16:03	
Lead	ug/L	ND	5.0	01/18/16 16:03	
Selenium	ug/L	ND	5.0	01/18/16 16:03	
Silver	ug/L	ND	5.0	01/18/16 16:03	
Thallium	ug/L	ND	2.0	01/18/16 16:03	
Vanadium	ug/L	ND	10.0	01/18/16 16:03	

LABORATORY CONTROL SAMPLE: 1461793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.4	106	80-120	
Arsenic	ug/L	40	39.7	99	80-120	
Beryllium	ug/L	40	38.3	96	80-120	
Cadmium	ug/L	40	41.0	103	80-120	
Chromium	ug/L	40	43.0	107	80-120	
Copper	ug/L	40	40.2	100	80-120	
Lead	ug/L	40	41.1	103	80-120	
Selenium	ug/L	40	39.4	98	80-120	
Silver	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	41.3	103	80-120	
Vanadium	ug/L	40	43.0	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461794 1461795

Parameter	Units	50132719027 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	42.5	43.2	105	107	75-125	2	20	
Arsenic	ug/L	ND	40	40	40.1	40.7	99	100	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.1	39.0	98	97	75-125	0	20	
Cadmium	ug/L	ND	40	40	39.9	40.3	100	101	75-125	1	20	
Chromium	ug/L	ND	40	40	41.7	43.0	103	106	75-125	3	20	
Copper	ug/L	ND	40	40	36.7	36.8	89	89	75-125	0	20	
Lead	ug/L	ND	40	40	41.0	40.9	102	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461794 1461795

Parameter	Units	50132719027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Selenium	ug/L	ND	40	40	37.7	40.6	92	99	75-125	7	20	
Silver	ug/L	ND	40	40	38.0	38.1	95	95	75-125	0	20	
Thallium	ug/L	ND	40	40	41.2	41.0	103	103	75-125	0	20	
Vanadium	ug/L	ND	40	40	44.4	46.2	106	110	75-125	4	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84195 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 50132719007, 50132719008

METHOD BLANK: 1433751 | Matrix: Water
Associated Lab Samples: 50132719007, 50132719008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/25/15 05:12	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/25/15 05:12	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/25/15 05:12	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/25/15 05:12	
1,1-Dichloroethane	ug/L	ND	5.0	11/25/15 05:12	
1,1-Dichloroethene	ug/L	ND	5.0	11/25/15 05:12	
1,1-Dichloropropene	ug/L	ND	5.0	11/25/15 05:12	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/25/15 05:12	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/25/15 05:12	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/25/15 05:12	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/25/15 05:12	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/25/15 05:12	
1,2-Dichloroethane	ug/L	ND	5.0	11/25/15 05:12	
1,2-Dichloropropane	ug/L	ND	5.0	11/25/15 05:12	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/25/15 05:12	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/25/15 05:12	
1,3-Dichloropropane	ug/L	ND	5.0	11/25/15 05:12	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/25/15 05:12	
2,2-Dichloropropane	ug/L	ND	5.0	11/25/15 05:12	
2-Butanone (MEK)	ug/L	ND	10.0	11/25/15 05:12	
2-Hexanone	ug/L	ND	10.0	11/25/15 05:12	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/25/15 05:12	
Acetone	ug/L	ND	10.0	11/25/15 05:12	
Acetonitrile	ug/L	ND	100	11/25/15 05:12	
Acrolein	ug/L	ND	50.0	11/25/15 05:12	
Acrylonitrile	ug/L	ND	100	11/25/15 05:12	
Allyl chloride	ug/L	ND	5.0	11/25/15 05:12	N2
Benzene	ug/L	ND	5.0	11/25/15 05:12	
Bromochloromethane	ug/L	ND	5.0	11/25/15 05:12	
Bromodichloromethane	ug/L	ND	5.0	11/25/15 05:12	
Bromoform	ug/L	ND	5.0	11/25/15 05:12	
Bromomethane	ug/L	ND	10.0	11/25/15 05:12	
Carbon disulfide	ug/L	ND	10.0	11/25/15 05:12	
Carbon tetrachloride	ug/L	ND	5.0	11/25/15 05:12	
Chlorobenzene	ug/L	ND	5.0	11/25/15 05:12	
Chloroethane	ug/L	ND	10.0	11/25/15 05:12	
Chloroform	ug/L	ND	5.0	11/25/15 05:12	
Chloromethane	ug/L	ND	10.0	11/25/15 05:12	
Chloroprene	ug/L	ND	100	11/25/15 05:12	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/25/15 05:12	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/25/15 05:12	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1433751 Matrix: Water
Associated Lab Samples: 50132719007, 50132719008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	5.0	11/25/15 05:12	
Dibromomethane	ug/L	ND	10.0	11/25/15 05:12	
Dichlorodifluoromethane	ug/L	ND	5.0	11/25/15 05:12	
Ethyl methacrylate	ug/L	ND	100	11/25/15 05:12	
Ethylbenzene	ug/L	ND	5.0	11/25/15 05:12	
Iodomethane	ug/L	ND	5.0	11/25/15 05:12	
Isobutanol	ug/L	ND	100	11/25/15 05:12	N2
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/25/15 05:12	
Methacrylonitrile	ug/L	ND	100	11/25/15 05:12	N2
Methyl methacrylate	ug/L	ND	100	11/25/15 05:12	N2
Methyl-tert-butyl ether	ug/L	ND	5.0	11/25/15 05:12	
Methylene Chloride	ug/L	ND	5.0	11/25/15 05:12	
n-Butyl chloride	ug/L	ND	5.0	11/25/15 05:12	
p-Isopropyltoluene	ug/L	ND	5.0	11/25/15 05:12	
Propionitrile	ug/L	ND	100	11/25/15 05:12	N2
Styrene	ug/L	ND	5.0	11/25/15 05:12	
Tetrachloroethene	ug/L	ND	5.0	11/25/15 05:12	
Tetrahydrofuran	ug/L	ND	100	11/25/15 05:12	N2
Toluene	ug/L	ND	5.0	11/25/15 05:12	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/25/15 05:12	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/25/15 05:12	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	11/25/15 05:12	
Trichloroethene	ug/L	ND	5.0	11/25/15 05:12	
Trichlorofluoromethane	ug/L	ND	10.0	11/25/15 05:12	
Vinyl acetate	ug/L	ND	10.0	11/25/15 05:12	
Vinyl chloride	ug/L	ND	2.0	11/25/15 05:12	
Xylene (Total)	ug/L	ND	5.0	11/25/15 05:12	
4-Bromofluorobenzene (S)	%.	99	80-114	11/25/15 05:12	
Dibromofluoromethane (S)	%.	99	79-116	11/25/15 05:12	
Toluene-d8 (S)	%.	98	81-110	11/25/15 05:12	

LABORATORY CONTROL SAMPLE: 1433752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.6	107	61-135	
1,1,1-Trichloroethane	ug/L	50	51.1	102	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	49.9	100	66-126	
1,1,2-Trichloroethane	ug/L	50	51.6	103	77-130	
1,1-Dichloroethane	ug/L	50	53.7	107	75-130	
1,1-Dichloroethene	ug/L	50	52.9	106	68-127	
1,1-Dichloropropene	ug/L	50	51.5	103	78-130	
1,2,3-Trichloropropane	ug/L	50	49.6	99	58-142	
1,2,4-Trimethylbenzene	ug/L	50	48.9	98	69-127	
1,2-Dibromo-3-chloropropane	ug/L	50	54.9	110	64-124	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1433752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	76-125	
1,2-Dichlorobenzene	ug/L	50	50.1	100	75-123	
1,2-Dichloroethane	ug/L	50	52.6	105	75-128	
1,2-Dichloropropane	ug/L	50	54.6	109	74-121	
1,3,5-Trimethylbenzene	ug/L	50	51.1	102	70-126	
1,3-Dichlorobenzene	ug/L	50	50.9	102	74-122	
1,3-Dichloropropane	ug/L	50	50.0	100	74-123	
1,4-Dichlorobenzene	ug/L	50	48.5	97	76-120	
2,2-Dichloropropane	ug/L	50	42.6	85	50-137	
2-Butanone (MEK)	ug/L	250	285	114	58-139	
2-Hexanone	ug/L	250	269	108	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	271	108	58-138	
Acetone	ug/L	250	291	116	49-150	
Acetonitrile	ug/L	50	47.7J	95	50-150	
Acrolein	ug/L	1000	1070	107	41-200	
Acrylonitrile	ug/L	200	230	115	63-137	
Allyl chloride	ug/L	100	91.2	91	70-130	N2
Benzene	ug/L	50	52.9	106	74-122	
Bromochloromethane	ug/L	50	60.2	120	63-132	
Bromodichloromethane	ug/L	50	53.2	106	62-136	
Bromoform	ug/L	50	49.2	98	44-134	
Bromomethane	ug/L	50	75.3	151	22-181	
Carbon disulfide	ug/L	50	56.0	112	59-132	
Carbon tetrachloride	ug/L	50	54.2	108	56-137	
Chlorobenzene	ug/L	50	50.6	101	78-123	
Chloroethane	ug/L	50	55.6	111	60-144	
Chloroform	ug/L	50	52.3	105	78-126	
Chloromethane	ug/L	50	54.0	108	42-134	
Chloroprene	ug/L	50	55J	110	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	56.8	114	75-122	
cis-1,3-Dichloropropene	ug/L	50	53.5	107	64-126	
Dibromochloromethane	ug/L	50	53.8	108	58-128	
Dibromomethane	ug/L	50	55.5	111	73-125	
Dichlorodifluoromethane	ug/L	50	48.1	96	35-181	
Ethyl methacrylate	ug/L	200	217	108	69-133	
Ethylbenzene	ug/L	50	54.0	108	66-133	
Iodomethane	ug/L	100	120	120	21-170	
Isobutanol	ug/L	250	1030	413	50-150	L3,N2
Isopropylbenzene (Cumene)	ug/L	50	50.3	101	69-124	
Methacrylonitrile	ug/L	200	252	126	50-150	N2
Methyl methacrylate	ug/L	50	58.7J	117	70-130	N2
Methyl-tert-butyl ether	ug/L	50	53.7	107	69-122	
Methylene Chloride	ug/L	50	56.1	112	68-132	
n-Butyl chloride	ug/L	50	57.1	114	70-130	
p-Isopropyltoluene	ug/L	50	46.8	94	72-132	
Propionitrile	ug/L	50	ND	100	50-150	N2
Styrene	ug/L	50	53.1	106	74-126	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1433752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	48.1	96	69-130	
Tetrahydrofuran	ug/L	50	59.3J	119	50-150	N2
Toluene	ug/L	50	53.3	107	72-122	
trans-1,2-Dichloroethene	ug/L	50	53.8	108	72-124	
trans-1,3-Dichloropropene	ug/L	50	53.4	107	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	219	109	56-133	
Trichloroethene	ug/L	50	53.2	106	76-126	
Trichlorofluoromethane	ug/L	50	56.8	114	76-149	
Vinyl acetate	ug/L	200	240	120	45-151	
Vinyl chloride	ug/L	50	53.0	106	59-126	
Xylene (Total)	ug/L	150	172	115	70-124	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			102	79-116	
Toluene-d8 (S)	%.			98	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84253 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 50132719003, 50132719025

METHOD BLANK: 1434092 | Matrix: Water
Associated Lab Samples: 50132719003, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/29/15 20:41	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/29/15 20:41	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/29/15 20:41	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/29/15 20:41	
1,1-Dichloroethane	ug/L	ND	5.0	11/29/15 20:41	
1,1-Dichloroethene	ug/L	ND	5.0	11/29/15 20:41	
1,1-Dichloropropene	ug/L	ND	5.0	11/29/15 20:41	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/29/15 20:41	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/29/15 20:41	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/29/15 20:41	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/29/15 20:41	
1,2-Dichloroethane	ug/L	ND	5.0	11/29/15 20:41	
1,2-Dichloropropane	ug/L	ND	5.0	11/29/15 20:41	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/29/15 20:41	
1,3-Dichloropropane	ug/L	ND	5.0	11/29/15 20:41	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/29/15 20:41	
2,2-Dichloropropane	ug/L	ND	5.0	11/29/15 20:41	
2-Butanone (MEK)	ug/L	ND	10.0	11/29/15 20:41	
2-Hexanone	ug/L	ND	10.0	11/29/15 20:41	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/29/15 20:41	
Acetone	ug/L	ND	10.0	11/29/15 20:41	
Acetonitrile	ug/L	ND	100	11/29/15 20:41	
Acrolein	ug/L	ND	50.0	11/29/15 20:41	
Acrylonitrile	ug/L	ND	100	11/29/15 20:41	
Allyl chloride	ug/L	ND	5.0	11/29/15 20:41	N2
Benzene	ug/L	ND	5.0	11/29/15 20:41	
Bromochloromethane	ug/L	ND	5.0	11/29/15 20:41	
Bromodichloromethane	ug/L	ND	5.0	11/29/15 20:41	
Bromoform	ug/L	ND	5.0	11/29/15 20:41	
Bromomethane	ug/L	ND	10.0	11/29/15 20:41	
Carbon disulfide	ug/L	ND	10.0	11/29/15 20:41	
Carbon tetrachloride	ug/L	ND	5.0	11/29/15 20:41	
Chlorobenzene	ug/L	ND	5.0	11/29/15 20:41	
Chloroethane	ug/L	ND	10.0	11/29/15 20:41	
Chloroform	ug/L	ND	5.0	11/29/15 20:41	
Chloromethane	ug/L	ND	10.0	11/29/15 20:41	
Chloroprene	ug/L	ND	100	11/29/15 20:41	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/29/15 20:41	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/29/15 20:41	
Dibromochloromethane	ug/L	ND	5.0	11/29/15 20:41	
Dibromomethane	ug/L	ND	10.0	11/29/15 20:41	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1434092 Matrix: Water
Associated Lab Samples: 50132719003, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	11/29/15 20:41	
Ethyl methacrylate	ug/L	ND	100	11/29/15 20:41	
Ethylbenzene	ug/L	ND	5.0	11/29/15 20:41	
Iodomethane	ug/L	ND	5.0	11/29/15 20:41	
Isobutanol	ug/L	ND	100	11/29/15 20:41	N2
Methacrylonitrile	ug/L	ND	100	11/29/15 20:41	N2
Methyl methacrylate	ug/L	ND	100	11/29/15 20:41	N2
Methylene Chloride	ug/L	ND	5.0	11/29/15 20:41	
Propionitrile	ug/L	ND	100	11/29/15 20:41	N2
Styrene	ug/L	ND	5.0	11/29/15 20:41	
Tetrachloroethene	ug/L	ND	5.0	11/29/15 20:41	
Toluene	ug/L	ND	5.0	11/29/15 20:41	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/29/15 20:41	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/29/15 20:41	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	11/29/15 20:41	
Trichloroethene	ug/L	ND	5.0	11/29/15 20:41	
Trichlorofluoromethane	ug/L	ND	10.0	11/29/15 20:41	
Vinyl acetate	ug/L	ND	10.0	11/29/15 20:41	
Vinyl chloride	ug/L	ND	2.0	11/29/15 20:41	
Xylene (Total)	ug/L	ND	5.0	11/29/15 20:41	
4-Bromofluorobenzene (S)	%.	103	80-114	11/29/15 20:41	
Dibromofluoromethane (S)	%.	103	79-116	11/29/15 20:41	
Toluene-d8 (S)	%.	100	81-110	11/29/15 20:41	

LABORATORY CONTROL SAMPLE: 1434093

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.4	111	61-135	
1,1,1-Trichloroethane	ug/L	50	55.2	110	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	66-126	
1,1,2-Trichloroethane	ug/L	50	53.2	106	77-130	
1,1-Dichloroethane	ug/L	50	58.7	117	75-130	
1,1-Dichloroethene	ug/L	50	59.8	120	68-127	
1,1-Dichloropropene	ug/L	50	52.7	105	78-130	
1,2,3-Trichloropropane	ug/L	50	48.8	98	58-142	
1,2-Dibromo-3-chloropropane	ug/L	50	51.4	103	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	48.4	97	76-125	
1,2-Dichlorobenzene	ug/L	50	53.0	106	75-123	
1,2-Dichloroethane	ug/L	50	54.8	110	75-128	
1,2-Dichloropropane	ug/L	50	56.4	113	74-121	
1,3-Dichlorobenzene	ug/L	50	55.6	111	74-122	
1,3-Dichloropropane	ug/L	50	48.4	97	74-123	
1,4-Dichlorobenzene	ug/L	50	52.5	105	76-120	
2,2-Dichloropropane	ug/L	50	54.7	109	50-137	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1434093

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	250	252	101	58-139	
2-Hexanone	ug/L	250	245	98	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	247	99	58-138	
Acetone	ug/L	250	308	123	49-150	
Acetonitrile	ug/L	50	52J	104	50-150	
Acrolein	ug/L	1000	1370	137	41-200	
Acrylonitrile	ug/L	200	208	104	63-137	
Allyl chloride	ug/L	100	111	111	70-130	N2
Benzene	ug/L	50	57.6	115	74-122	
Bromochloromethane	ug/L	50	60.5	121	63-132	
Bromodichloromethane	ug/L	50	54.8	110	62-136	
Bromoform	ug/L	50	47.3	95	44-134	
Bromomethane	ug/L	50	160	319	22-181	L3
Carbon disulfide	ug/L	50	69.5	139	59-132	L3
Carbon tetrachloride	ug/L	50	58.2	116	56-137	
Chlorobenzene	ug/L	50	53.7	107	78-123	
Chloroethane	ug/L	50	55.9	112	60-144	
Chloroform	ug/L	50	54.9	110	78-126	
Chloromethane	ug/L	50	55.3	111	42-134	
Chloroprene	ug/L	50	58.4J	117	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	59.2	118	75-122	
cis-1,3-Dichloropropene	ug/L	50	51.8	104	64-126	
Dibromochloromethane	ug/L	50	50.7	101	58-128	
Dibromomethane	ug/L	50	52.5	105	73-125	
Dichlorodifluoromethane	ug/L	50	52.4	105	35-181	
Ethyl methacrylate	ug/L	200	206	103	69-133	
Ethylbenzene	ug/L	50	56.6	113	66-133	
Iodomethane	ug/L	100	100	100	21-170	
Isobutanol	ug/L	250	917	367	50-150	L3,N2
Methacrylonitrile	ug/L	200	217	109	50-150	N2
Methyl methacrylate	ug/L	50	55.8J	112	70-130	N2
Methylene Chloride	ug/L	50	57.2	114	68-132	
Propionitrile	ug/L	50	ND	98	50-150	N2
Styrene	ug/L	50	55.0	110	74-126	
Tetrachloroethene	ug/L	50	47.0	94	69-130	
Toluene	ug/L	50	55.3	111	72-122	
trans-1,2-Dichloroethene	ug/L	50	61.3	123	72-124	
trans-1,3-Dichloropropene	ug/L	50	51.9	104	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	191	96	56-133	
Trichloroethene	ug/L	50	56.8	114	76-126	
Trichlorofluoromethane	ug/L	50	56.7	113	76-149	
Vinyl acetate	ug/L	200	214	107	45-151	
Vinyl chloride	ug/L	50	54.4	109	59-126	
Xylene (Total)	ug/L	150	184	123	70-124	
4-Bromofluorobenzene (S)	%.			99	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			98	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84280 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 50132719002, 50132719004

METHOD BLANK: 1434718 | Matrix: Water
Associated Lab Samples: 50132719002, 50132719004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/30/15 16:54	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/30/15 16:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/30/15 16:54	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/30/15 16:54	
1,1-Dichloroethane	ug/L	ND	5.0	11/30/15 16:54	
1,1-Dichloroethene	ug/L	ND	5.0	11/30/15 16:54	
1,1-Dichloropropene	ug/L	ND	5.0	11/30/15 16:54	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/30/15 16:54	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/30/15 16:54	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/30/15 16:54	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/30/15 16:54	
1,2-Dichloroethane	ug/L	ND	5.0	11/30/15 16:54	
1,2-Dichloropropane	ug/L	ND	5.0	11/30/15 16:54	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/30/15 16:54	
1,3-Dichloropropane	ug/L	ND	5.0	11/30/15 16:54	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/30/15 16:54	
2,2-Dichloropropane	ug/L	ND	5.0	11/30/15 16:54	
2-Butanone (MEK)	ug/L	ND	10.0	11/30/15 16:54	
2-Hexanone	ug/L	ND	10.0	11/30/15 16:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/30/15 16:54	
Acetone	ug/L	ND	10.0	11/30/15 16:54	
Acetonitrile	ug/L	ND	100	11/30/15 16:54	
Acrolein	ug/L	ND	50.0	11/30/15 16:54	
Acrylonitrile	ug/L	ND	100	11/30/15 16:54	
Allyl chloride	ug/L	ND	5.0	11/30/15 16:54	N2
Benzene	ug/L	ND	5.0	11/30/15 16:54	
Bromochloromethane	ug/L	ND	5.0	11/30/15 16:54	
Bromodichloromethane	ug/L	ND	5.0	11/30/15 16:54	
Bromoform	ug/L	ND	5.0	11/30/15 16:54	
Bromomethane	ug/L	ND	10.0	11/30/15 16:54	
Carbon disulfide	ug/L	ND	10.0	11/30/15 16:54	
Carbon tetrachloride	ug/L	ND	5.0	11/30/15 16:54	
Chlorobenzene	ug/L	ND	5.0	11/30/15 16:54	
Chloroethane	ug/L	ND	10.0	11/30/15 16:54	
Chloroform	ug/L	ND	5.0	11/30/15 16:54	
Chloromethane	ug/L	ND	10.0	11/30/15 16:54	
Chloroprene	ug/L	ND	100	11/30/15 16:54	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/30/15 16:54	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/30/15 16:54	
Dibromochloromethane	ug/L	ND	5.0	11/30/15 16:54	
Dibromomethane	ug/L	ND	10.0	11/30/15 16:54	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1434718 Matrix: Water
Associated Lab Samples: 50132719002, 50132719004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	11/30/15 16:54	
Ethyl methacrylate	ug/L	ND	100	11/30/15 16:54	
Ethylbenzene	ug/L	ND	5.0	11/30/15 16:54	
Iodomethane	ug/L	ND	5.0	11/30/15 16:54	
Isobutanol	ug/L	ND	100	11/30/15 16:54	N2
Methacrylonitrile	ug/L	ND	100	11/30/15 16:54	N2
Methyl methacrylate	ug/L	ND	100	11/30/15 16:54	N2
Methylene Chloride	ug/L	ND	5.0	11/30/15 16:54	
Propionitrile	ug/L	ND	100	11/30/15 16:54	N2
Styrene	ug/L	ND	5.0	11/30/15 16:54	
Tetrachloroethene	ug/L	ND	5.0	11/30/15 16:54	
Toluene	ug/L	ND	5.0	11/30/15 16:54	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/30/15 16:54	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/30/15 16:54	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	11/30/15 16:54	
Trichloroethene	ug/L	ND	5.0	11/30/15 16:54	
Trichlorofluoromethane	ug/L	ND	10.0	11/30/15 16:54	
Vinyl acetate	ug/L	ND	10.0	11/30/15 16:54	
Vinyl chloride	ug/L	ND	2.0	11/30/15 16:54	
Xylene (Total)	ug/L	ND	5.0	11/30/15 16:54	
4-Bromofluorobenzene (S)	%.	92	80-114	11/30/15 16:54	
Dibromofluoromethane (S)	%.	104	79-116	11/30/15 16:54	
Toluene-d8 (S)	%.	98	81-110	11/30/15 16:54	

LABORATORY CONTROL SAMPLE: 1434719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.4	103	61-135	
1,1,1-Trichloroethane	ug/L	50	48.8	98	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	49.1	98	66-126	
1,1,2-Trichloroethane	ug/L	50	50.8	102	77-130	
1,1-Dichloroethane	ug/L	50	49.4	99	75-130	
1,1-Dichloroethene	ug/L	50	51.9	104	68-127	
1,1-Dichloropropene	ug/L	50	52.0	104	78-130	
1,2,3-Trichloropropane	ug/L	50	47.9	96	58-142	
1,2-Dibromo-3-chloropropane	ug/L	50	51.0	102	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	49.6	99	76-125	
1,2-Dichlorobenzene	ug/L	50	49.8	100	75-123	
1,2-Dichloroethane	ug/L	50	50.7	101	75-128	
1,2-Dichloropropane	ug/L	50	50.8	102	74-121	
1,3-Dichlorobenzene	ug/L	50	50.5	101	74-122	
1,3-Dichloropropane	ug/L	50	48.9	98	74-123	
1,4-Dichlorobenzene	ug/L	50	47.9	96	76-120	
2,2-Dichloropropane	ug/L	50	48.8	98	50-137	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1434719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	250	258	103	58-139	
2-Hexanone	ug/L	250	255	102	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	247	99	58-138	
Acetone	ug/L	250	276	110	49-150	
Acetonitrile	ug/L	50	46.6J	93	50-150	
Acrolein	ug/L	1000	1410	141	41-200	
Acrylonitrile	ug/L	200	210	105	63-137	
Allyl chloride	ug/L	100	96.6	97	70-130	N2
Benzene	ug/L	50	50.9	102	74-122	
Bromochloromethane	ug/L	50	56.8	114	63-132	
Bromodichloromethane	ug/L	50	49.6	99	62-136	
Bromoform	ug/L	50	44.8	90	44-134	
Bromomethane	ug/L	50	112	224	22-181	L3
Carbon disulfide	ug/L	50	58.5	117	59-132	
Carbon tetrachloride	ug/L	50	52.1	104	56-137	
Chlorobenzene	ug/L	50	49.5	99	78-123	
Chloroethane	ug/L	50	49.0	98	60-144	
Chloroform	ug/L	50	50.7	101	78-126	
Chloromethane	ug/L	50	44.9	90	42-134	
Chloroprene	ug/L	50	52.3J	105	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	50.3	101	75-122	
cis-1,3-Dichloropropene	ug/L	50	51.4	103	64-126	
Dibromochloromethane	ug/L	50	48.4	97	58-128	
Dibromomethane	ug/L	50	49.4	99	73-125	
Dichlorodifluoromethane	ug/L	50	49.5	99	35-181	
Ethyl methacrylate	ug/L	200	201	101	69-133	
Ethylbenzene	ug/L	50	50.1	100	66-133	
Iodomethane	ug/L	100	103	103	21-170	
Isobutanol	ug/L	250	1030	412	50-150	L3,N2
Methacrylonitrile	ug/L	200	223	111	50-150	N2
Methyl methacrylate	ug/L	50	54.8J	110	70-130	N2
Methylene Chloride	ug/L	50	52.7	105	68-132	
Propionitrile	ug/L	50	45.6J	91	50-150	N2
Styrene	ug/L	50	51.3	103	74-126	
Tetrachloroethene	ug/L	50	47.6	95	69-130	
Toluene	ug/L	50	49.8	100	72-122	
trans-1,2-Dichloroethene	ug/L	50	52.9	106	72-124	
trans-1,3-Dichloropropene	ug/L	50	52.3	105	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	221	110	56-133	
Trichloroethene	ug/L	50	51.0	102	76-126	
Trichlorofluoromethane	ug/L	50	50.0	100	76-149	
Vinyl acetate	ug/L	200	204	102	45-151	
Vinyl chloride	ug/L	50	46.2	92	59-126	
Xylene (Total)	ug/L	150	164	109	70-124	
4-Bromofluorobenzene (S)	%.			97	80-114	
Dibromofluoromethane (S)	%.			102	79-116	
Toluene-d8 (S)	%.			100	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1434721

Parameter	Units	50133022002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	45.2	90	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	47.7	95	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.8	88	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	45.0	90	61-139	
1,1-Dichloroethane	ug/L	ND	50	47.0	94	57-147	
1,1-Dichloroethene	ug/L	ND	50	51.7	103	55-145	
1,1-Dichloropropene	ug/L	ND	50	50.4	101	55-147	
1,2,3-Trichloropropane	ug/L	ND	50	41.9	84	58-133	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	42.7	85	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	43.4	87	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	44.6	89	38-136	
1,2-Dichloroethane	ug/L	ND	50	46.1	92	62-138	
1,2-Dichloropropane	ug/L	ND	50	45.8	92	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	45.4	91	28-141	
1,3-Dichloropropane	ug/L	ND	50	44.0	88	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	42.8	86	30-139	
2,2-Dichloropropane	ug/L	ND	50	39.4	79	37-139	
2-Butanone (MEK)	ug/L	ND	250	226	91	37-156	
2-Hexanone	ug/L	ND	250	218	87	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	214	86	46-144	
Acetone	ug/L	ND	250	247	99	39-156	
Acetonitrile	ug/L	ND	50	42.8J	86	50-150	
Acrolein	ug/L	ND	1000	1130	113	33-200	
Acrylonitrile	ug/L	ND	200	183	92	48-149	
Allyl chloride	ug/L	ND	100	91.0	91	70-130	N2
Benzene	ug/L	ND	50	47.9	96	62-129	
Bromochloromethane	ug/L	ND	50	51.2	102	49-142	
Bromodichloromethane	ug/L	ND	50	45.6	91	50-142	
Bromoform	ug/L	ND	50	39.6	79	36-125	
Bromomethane	ug/L	ND	50	62.7	125	13-179	
Carbon disulfide	ug/L	ND	50	59.2	118	45-142	
Carbon tetrachloride	ug/L	ND	50	50.7	101	46-142	
Chlorobenzene	ug/L	ND	50	44.3	89	49-136	
Chloroethane	ug/L	ND	50	48.0	96	47-160	
Chloroform	ug/L	ND	50	47.2	94	54-150	
Chloromethane	ug/L	ND	50	43.6	87	30-148	
Chloroprene	ug/L	ND	50	50.6J	101	70-130	N2
cis-1,2-Dichloroethene	ug/L	ND	50	47.8	94	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	43.9	88	52-123	
Dibromochloromethane	ug/L	ND	50	41.9	84	48-125	
Dibromomethane	ug/L	ND	50	43.9	88	59-134	
Dichlorodifluoromethane	ug/L	ND	50	51.5	103	24-197	
Ethyl methacrylate	ug/L	ND	200	175	88	55-139	
Ethylbenzene	ug/L	ND	50	46.1	92	28-153	
Iodomethane	ug/L	ND	100	79.7	80	17-157	
Isobutanol	ug/L	ND	250	816	326	50-150	M0,N2
Methacrylonitrile	ug/L	ND	200	195	97	50-150	N2

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1434721

Parameter	Units	50133022002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methyl methacrylate	ug/L	ND	50	48.3J	97	70-130	N2
Methylene Chloride	ug/L	ND	50	48.8	98	45-156	
Propionitrile	ug/L	ND	50	40.1J	80	50-150	N2
Styrene	ug/L	ND	50	46.6	93	36-139	
Tetrachloroethene	ug/L	ND	50	44.5	89	33-151	
Toluene	ug/L	ND	50	46.2	92	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	50.6	101	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	44.6	89	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	170	85	32-139	
Trichloroethene	ug/L	ND	50	49.5	98	50-143	
Trichlorofluoromethane	ug/L	ND	50	51.1	102	60-175	
Vinyl acetate	ug/L	ND	200	144	72	17-142	
Vinyl chloride	ug/L	ND	50	46.7	93	44-145	
Xylene (Total)	ug/L	ND	150	149	100	29-145	
4-Bromofluorobenzene (S)	%.				92	80-114	
Dibromofluoromethane (S)	%.				103	79-116	
Toluene-d8 (S)	%.				97	81-110	

SAMPLE DUPLICATE: 1434720

Parameter	Units	50133022003 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	
1,1-Dichloropropene	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	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
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	
Acetonitrile	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

SAMPLE DUPLICATE: 1434720

Parameter	Units	50133022003 Result	Dup Result	RPD	Max RPD	Qualifiers
Allyl chloride	ug/L	ND	ND		20	N2
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	
Chloroprene	ug/L	ND	ND		20	N2
cis-1,2-Dichloroethene	ug/L	ND	.61J		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isobutanol	ug/L	ND	ND		20	N2
Methacrylonitrile	ug/L	ND	ND		20	N2
Methyl methacrylate	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Propionitrile	ug/L	ND	ND		20	N2
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	.33J		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)	%.	94	93	1		
Dibromofluoromethane (S)	%.	98	98	1		
Toluene-d8 (S)	%.	99	98	1		

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84281 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50132719005, 50132719006, 50132719009, 50132719010

METHOD BLANK: 1434722 Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719009, 50132719010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/01/15 05:13	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/01/15 05:13	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/01/15 05:13	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/01/15 05:13	
1,1-Dichloroethane	ug/L	ND	5.0	12/01/15 05:13	
1,1-Dichloroethene	ug/L	ND	5.0	12/01/15 05:13	
1,1-Dichloropropene	ug/L	ND	5.0	12/01/15 05:13	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/01/15 05:13	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	12/01/15 05:13	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/01/15 05:13	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/01/15 05:13	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/01/15 05:13	
1,2-Dichloroethane	ug/L	ND	5.0	12/01/15 05:13	
1,2-Dichloropropane	ug/L	ND	5.0	12/01/15 05:13	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	12/01/15 05:13	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/01/15 05:13	
1,3-Dichloropropane	ug/L	ND	5.0	12/01/15 05:13	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/01/15 05:13	
2,2-Dichloropropane	ug/L	ND	5.0	12/01/15 05:13	
2-Butanone (MEK)	ug/L	ND	10.0	12/01/15 05:13	
2-Hexanone	ug/L	ND	10.0	12/01/15 05:13	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/01/15 05:13	
Acetone	ug/L	ND	10.0	12/01/15 05:13	
Acetonitrile	ug/L	ND	100	12/01/15 05:13	
Acrolein	ug/L	ND	50.0	12/01/15 05:13	
Acrylonitrile	ug/L	ND	100	12/01/15 05:13	
Allyl chloride	ug/L	ND	5.0	12/01/15 05:13	N2
Benzene	ug/L	ND	5.0	12/01/15 05:13	
Bromochloromethane	ug/L	ND	5.0	12/01/15 05:13	
Bromodichloromethane	ug/L	ND	5.0	12/01/15 05:13	
Bromoform	ug/L	ND	5.0	12/01/15 05:13	
Bromomethane	ug/L	ND	10.0	12/01/15 05:13	
Carbon disulfide	ug/L	ND	10.0	12/01/15 05:13	
Carbon tetrachloride	ug/L	ND	5.0	12/01/15 05:13	
Chlorobenzene	ug/L	ND	5.0	12/01/15 05:13	
Chloroethane	ug/L	ND	10.0	12/01/15 05:13	
Chloroform	ug/L	ND	5.0	12/01/15 05:13	
Chloromethane	ug/L	ND	10.0	12/01/15 05:13	
Chloroprene	ug/L	ND	100	12/01/15 05:13	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/01/15 05:13	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/01/15 05:13	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1434722 Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719009, 50132719010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	5.0	12/01/15 05:13	
Dibromomethane	ug/L	ND	10.0	12/01/15 05:13	
Dichlorodifluoromethane	ug/L	ND	5.0	12/01/15 05:13	
Ethyl methacrylate	ug/L	ND	100	12/01/15 05:13	
Ethylbenzene	ug/L	ND	5.0	12/01/15 05:13	
Iodomethane	ug/L	ND	5.0	12/01/15 05:13	
Isobutanol	ug/L	ND	100	12/01/15 05:13	N2
Isopropylbenzene (Cumene)	ug/L	ND	5.0	12/01/15 05:13	
Methacrylonitrile	ug/L	ND	100	12/01/15 05:13	N2
Methyl methacrylate	ug/L	ND	100	12/01/15 05:13	N2
Methyl-tert-butyl ether	ug/L	ND	5.0	12/01/15 05:13	
Methylene Chloride	ug/L	ND	5.0	12/01/15 05:13	
n-Butyl chloride	ug/L	ND	5.0	12/01/15 05:13	
p-Isopropyltoluene	ug/L	ND	5.0	12/01/15 05:13	
Propionitrile	ug/L	ND	100	12/01/15 05:13	N2
Styrene	ug/L	ND	5.0	12/01/15 05:13	
Tetrachloroethene	ug/L	ND	5.0	12/01/15 05:13	
Tetrahydrofuran	ug/L	ND	100	12/01/15 05:13	N2
Toluene	ug/L	ND	5.0	12/01/15 05:13	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/01/15 05:13	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/01/15 05:13	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/01/15 05:13	
Trichloroethene	ug/L	ND	5.0	12/01/15 05:13	
Trichlorofluoromethane	ug/L	ND	10.0	12/01/15 05:13	
Vinyl acetate	ug/L	ND	10.0	12/01/15 05:13	
Vinyl chloride	ug/L	ND	2.0	12/01/15 05:13	
Xylene (Total)	ug/L	ND	5.0	12/01/15 05:13	
4-Bromofluorobenzene (S)	%.	94	80-114	12/01/15 05:13	
Dibromofluoromethane (S)	%.	99	79-116	12/01/15 05:13	
Toluene-d8 (S)	%.	97	81-110	12/01/15 05:13	

LABORATORY CONTROL SAMPLE: 1434723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.7	95	61-135	
1,1,1-Trichloroethane	ug/L	50	47.0	94	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	66-126	
1,1,2-Trichloroethane	ug/L	50	47.5	95	77-130	
1,1-Dichloroethane	ug/L	50	47.3	95	75-130	
1,1-Dichloroethene	ug/L	50	49.3	99	68-127	
1,1-Dichloropropene	ug/L	50	49.8	100	78-130	
1,2,3-Trichloropropane	ug/L	50	46.4	93	58-142	
1,2,4-Trimethylbenzene	ug/L	50	47.4	95	69-127	
1,2-Dibromo-3-chloropropane	ug/L	50	50.4	101	64-124	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1434723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	45.9	92	76-125	
1,2-Dichlorobenzene	ug/L	50	48.4	97	75-123	
1,2-Dichloroethane	ug/L	50	47.9	96	75-128	
1,2-Dichloropropane	ug/L	50	48.2	96	74-121	
1,3,5-Trimethylbenzene	ug/L	50	48.0	96	70-126	
1,3-Dichlorobenzene	ug/L	50	48.9	98	74-122	
1,3-Dichloropropane	ug/L	50	46.9	94	74-123	
1,4-Dichlorobenzene	ug/L	50	47.1	94	76-120	
2,2-Dichloropropane	ug/L	50	34.6	69	50-137	
2-Butanone (MEK)	ug/L	250	243	97	58-139	
2-Hexanone	ug/L	250	234	93	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	230	92	58-138	
Acetone	ug/L	250	262	105	49-150	
Acetonitrile	ug/L	50	42.3J	85	50-150	
Acrolein	ug/L	1000	1280	128	41-200	
Acrylonitrile	ug/L	200	198	99	63-137	
Allyl chloride	ug/L	100	87.7	88	70-130	N2
Benzene	ug/L	50	48.8	98	74-122	
Bromochloromethane	ug/L	50	52.1	104	63-132	
Bromodichloromethane	ug/L	50	47.8	96	62-136	
Bromoform	ug/L	50	44.6	89	44-134	
Bromomethane	ug/L	50	86.3	173	22-181	
Carbon disulfide	ug/L	50	57.4	115	59-132	
Carbon tetrachloride	ug/L	50	49.8	100	56-137	
Chlorobenzene	ug/L	50	45.9	92	78-123	
Chloroethane	ug/L	50	46.4	93	60-144	
Chloroform	ug/L	50	47.5	95	78-126	
Chloromethane	ug/L	50	42.3	85	42-134	
Chloroprene	ug/L	50	49.1J	98	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	47.6	95	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	64-126	
Dibromochloromethane	ug/L	50	46.1	92	58-128	
Dibromomethane	ug/L	50	46.2	92	73-125	
Dichlorodifluoromethane	ug/L	50	44.6	89	35-181	
Ethyl methacrylate	ug/L	200	188	94	69-133	
Ethylbenzene	ug/L	50	46.9	94	66-133	
Iodomethane	ug/L	100	106	106	21-170	
Isobutanol	ug/L	250	975	390	50-150	L3,N2
Isopropylbenzene (Cumene)	ug/L	50	46.8	94	69-124	
Methacrylonitrile	ug/L	200	208	104	50-150	N2
Methyl methacrylate	ug/L	50	53.5J	107	70-130	N2
Methyl-tert-butyl ether	ug/L	50	49.2	98	69-122	
Methylene Chloride	ug/L	50	49.6	99	68-132	
n-Butyl chloride	ug/L	50	52.3	105	70-130	
p-Isopropyltoluene	ug/L	50	47.0	94	72-132	
Propionitrile	ug/L	50	44.8J	90	50-150	N2
Styrene	ug/L	50	49.0	98	74-126	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1434723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	44.5	89	69-130	
Tetrahydrofuran	ug/L	50	46.4J	93	50-150	N2
Toluene	ug/L	50	47.4	95	72-122	
trans-1,2-Dichloroethene	ug/L	50	49.2	98	72-124	
trans-1,3-Dichloropropene	ug/L	50	46.2	92	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	180	90	56-133	
Trichloroethene	ug/L	50	48.7	97	76-126	
Trichlorofluoromethane	ug/L	50	47.4	95	76-149	
Vinyl acetate	ug/L	200	188	94	45-151	
Vinyl chloride	ug/L	50	42.7	85	59-126	
Xylene (Total)	ug/L	150	153	102	70-124	
4-Bromofluorobenzene (S)	%.			94	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			97	81-110	

MATRIX SPIKE SAMPLE: 1434725

Parameter	Units	50132719005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	51.1	102	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	50.0	100	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50.9	102	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	50.5	101	61-139	
1,1-Dichloroethane	ug/L	ND	50	48.3	97	57-147	
1,1-Dichloroethene	ug/L	ND	50	53.1	106	55-145	
1,1-Dichloropropene	ug/L	ND	50	51.5	103	55-147	
1,2,3-Trichloropropane	ug/L	ND	50	49.2	98	58-133	
1,2,4-Trimethylbenzene	ug/L	ND	50	49.7	99	18-149	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	51.0	102	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.3	97	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	49.8	100	38-136	
1,2-Dichloroethane	ug/L	ND	50	48.1	96	62-138	
1,2-Dichloropropane	ug/L	ND	50	48.2	96	59-130	
1,3,5-Trimethylbenzene	ug/L	ND	50	51.2	102	20-147	
1,3-Dichlorobenzene	ug/L	ND	50	48.8	98	28-141	
1,3-Dichloropropane	ug/L	ND	50	48.8	98	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	47.8	96	30-139	
2,2-Dichloropropane	ug/L	ND	50	28.8	58	37-139	
2-Butanone (MEK)	ug/L	ND	250	234	94	37-156	
2-Hexanone	ug/L	ND	250	241	96	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	238	95	46-144	
Acetone	ug/L	ND	250	261	105	39-156	
Acetonitrile	ug/L	ND	50	43.3J	87	50-150	
Acrolein	ug/L	ND	1000	1010	101	33-200	
Acrylonitrile	ug/L	ND	200	192	96	48-149	
Allyl chloride	ug/L	ND	100	89.5	89	70-130	N2

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1434725

Parameter	Units	50132719005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	49.8	100	62-129	
Bromochloromethane	ug/L	ND	50	54.2	108	49-142	
Bromodichloromethane	ug/L	ND	50	46.0	92	50-142	
Bromoform	ug/L	ND	50	45.4	91	36-125	
Bromomethane	ug/L	ND	50	71.7	143	13-179	
Carbon disulfide	ug/L	ND	50	60.3	121	45-142	
Carbon tetrachloride	ug/L	ND	50	52.6	105	46-142	
Chlorobenzene	ug/L	ND	50	49.6	99	49-136	
Chloroethane	ug/L	ND	50	48.4	97	47-160	
Chloroform	ug/L	ND	50	49.0	98	54-150	
Chloromethane	ug/L	ND	50	45.0	90	30-148	
Chloroprene	ug/L	ND	50	54J	108	70-130	N2
cis-1,2-Dichloroethene	ug/L	ND	50	48.2	96	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	46.5	93	52-123	
Dibromochloromethane	ug/L	ND	50	48.0	96	48-125	
Dibromomethane	ug/L	ND	50	46.9	94	59-134	
Dichlorodifluoromethane	ug/L	ND	50	49.8	100	24-197	
Ethyl methacrylate	ug/L	ND	200	194	97	55-139	
Ethylbenzene	ug/L	ND	50	49.5	99	28-153	
Iodomethane	ug/L	ND	100	88.2	88	17-157	
Isobutanol	ug/L	ND	250	40.6J	16	50-150	M0,N2
Isopropylbenzene (Cumene)	ug/L	ND	50	49.8	100	18-152	
Methacrylonitrile	ug/L	ND	200	205	102	50-150	N2
Methyl methacrylate	ug/L	ND	50	50J	100	70-130	N2
Methyl-tert-butyl ether	ug/L	ND	50	48.2	96	63-130	
Methylene Chloride	ug/L	ND	50	50.1	100	45-156	
n-Butyl chloride	ug/L	ND	50	54.6	109	70-130	
p-Isopropyltoluene	ug/L	ND	50	48.8	98	10-163	
Propionitrile	ug/L	ND	50	39.8J	80	50-150	N2
Styrene	ug/L	ND	50	47.7	95	36-139	
Tetrachloroethene	ug/L	ND	50	47.2	94	33-151	
Tetrahydrofuran	ug/L	ND	50	48.8J	98	50-150	N2
Toluene	ug/L	ND	50	51.5	103	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	52.5	105	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	45.8	92	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	170	85	32-139	
Trichloroethene	ug/L	ND	50	50.2	100	50-143	
Trichlorofluoromethane	ug/L	ND	50	50.6	101	60-175	
Vinyl acetate	ug/L	ND	200	106	53	17-142	
Vinyl chloride	ug/L	ND	50	46.6	93	44-145	
Xylene (Total)	ug/L	ND	150	160	107	29-145	
4-Bromofluorobenzene (S)	%.				94	80-114	
Dibromofluoromethane (S)	%.				101	79-116	
Toluene-d8 (S)	%.				103	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

SAMPLE DUPLICATE: 1434724

Parameter	Units	50132719006 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	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	2.4J		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	
1,3,5-Trimethylbenzene	ug/L	ND	.6J		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	4J		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
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	
Acetonitrile	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Allyl chloride	ug/L	ND	ND		20	N2
Benzene	ug/L	469	517	10	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	2.2J		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
Chloroprene	ug/L	ND	ND		20	N2
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	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	8.7	8.8	1	20	
Iodomethane	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

SAMPLE DUPLICATE: 1434724

Parameter	Units	50132719006 Result	Dup Result	RPD	Max RPD	Qualifiers
Isobutanol	ug/L	ND	ND		20	N2
Isopropylbenzene (Cumene)	ug/L	ND	1.5J		20	
Methacrylonitrile	ug/L	ND	ND		20	N2
Methyl methacrylate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	1.6J		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butyl chloride	ug/L	ND	ND		20	
p-Isopropyltoluene	ug/L	ND	2J		20	
Propionitrile	ug/L	ND	ND		20	N2
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Tetrahydrofuran	ug/L	ND	ND		20	N2
Toluene	ug/L	5.2	5.3	1	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	23.1	22.5	3	20	
4-Bromofluorobenzene (S)	%.	98	96	3		
Dibromofluoromethane (S)	%.	100	100	0		
Toluene-d8 (S)	%.	97	99	1		

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84290
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 50132719028

METHOD BLANK: 1434757
Matrix: Water
Associated Lab Samples: 50132719028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/01/15 05:30	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/01/15 05:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/01/15 05:30	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/01/15 05:30	
1,1-Dichloroethane	ug/L	ND	5.0	12/01/15 05:30	
1,1-Dichloroethene	ug/L	ND	5.0	12/01/15 05:30	
1,1-Dichloropropene	ug/L	ND	5.0	12/01/15 05:30	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/01/15 05:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/01/15 05:30	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/01/15 05:30	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/01/15 05:30	
1,2-Dichloroethane	ug/L	ND	5.0	12/01/15 05:30	
1,2-Dichloropropane	ug/L	ND	5.0	12/01/15 05:30	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/01/15 05:30	
1,3-Dichloropropane	ug/L	ND	5.0	12/01/15 05:30	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/01/15 05:30	
2,2-Dichloropropane	ug/L	ND	5.0	12/01/15 05:30	
2-Butanone (MEK)	ug/L	ND	10.0	12/01/15 05:30	
2-Hexanone	ug/L	ND	10.0	12/01/15 05:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/01/15 05:30	
Acetone	ug/L	ND	10.0	12/01/15 05:30	
Acetonitrile	ug/L	ND	100	12/01/15 05:30	
Acrolein	ug/L	ND	50.0	12/01/15 05:30	
Acrylonitrile	ug/L	ND	100	12/01/15 05:30	
Allyl chloride	ug/L	ND	5.0	12/01/15 05:30	N2
Benzene	ug/L	ND	5.0	12/01/15 05:30	
Bromochloromethane	ug/L	ND	5.0	12/01/15 05:30	
Bromodichloromethane	ug/L	ND	5.0	12/01/15 05:30	
Bromoform	ug/L	ND	5.0	12/01/15 05:30	
Bromomethane	ug/L	ND	10.0	12/01/15 05:30	
Carbon disulfide	ug/L	ND	10.0	12/01/15 05:30	
Carbon tetrachloride	ug/L	ND	5.0	12/01/15 05:30	
Chlorobenzene	ug/L	ND	5.0	12/01/15 05:30	
Chloroethane	ug/L	ND	10.0	12/01/15 05:30	
Chloroform	ug/L	ND	5.0	12/01/15 05:30	
Chloromethane	ug/L	ND	10.0	12/01/15 05:30	
Chloroprene	ug/L	ND	100	12/01/15 05:30	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/01/15 05:30	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/01/15 05:30	
Dibromochloromethane	ug/L	ND	5.0	12/01/15 05:30	
Dibromomethane	ug/L	ND	10.0	12/01/15 05:30	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1434757 Matrix: Water
Associated Lab Samples: 50132719028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	12/01/15 05:30	
Ethyl methacrylate	ug/L	ND	100	12/01/15 05:30	
Ethylbenzene	ug/L	ND	5.0	12/01/15 05:30	
Iodomethane	ug/L	ND	5.0	12/01/15 05:30	
Isobutanol	ug/L	ND	100	12/01/15 05:30	N2
Methacrylonitrile	ug/L	ND	100	12/01/15 05:30	N2
Methyl methacrylate	ug/L	ND	100	12/01/15 05:30	N2
Methylene Chloride	ug/L	ND	5.0	12/01/15 05:30	
Propionitrile	ug/L	ND	100	12/01/15 05:30	N2
Styrene	ug/L	ND	5.0	12/01/15 05:30	
Tetrachloroethene	ug/L	ND	5.0	12/01/15 05:30	
Toluene	ug/L	ND	5.0	12/01/15 05:30	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/01/15 05:30	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/01/15 05:30	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/01/15 05:30	
Trichloroethene	ug/L	ND	5.0	12/01/15 05:30	
Trichlorofluoromethane	ug/L	ND	10.0	12/01/15 05:30	
Vinyl acetate	ug/L	ND	10.0	12/01/15 05:30	
Vinyl chloride	ug/L	ND	2.0	12/01/15 05:30	
Xylene (Total)	ug/L	ND	5.0	12/01/15 05:30	
4-Bromofluorobenzene (S)	%.	96	80-114	12/01/15 05:30	
Dibromofluoromethane (S)	%.	100	79-116	12/01/15 05:30	
Toluene-d8 (S)	%.	101	81-110	12/01/15 05:30	

LABORATORY CONTROL SAMPLE: 1434758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.8	108	61-135	
1,1,1-Trichloroethane	ug/L	50	50.8	102	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	52.4	105	66-126	
1,1,2-Trichloroethane	ug/L	50	51.9	104	77-130	
1,1-Dichloroethane	ug/L	50	52.5	105	75-130	
1,1-Dichloroethene	ug/L	50	56.1	112	68-127	
1,1-Dichloropropene	ug/L	50	49.0	98	78-130	
1,2,3-Trichloropropane	ug/L	50	49.9	100	58-142	
1,2-Dibromo-3-chloropropane	ug/L	50	53.0	106	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	46.7	93	76-125	
1,2-Dichlorobenzene	ug/L	50	51.9	104	75-123	
1,2-Dichloroethane	ug/L	50	52.5	105	75-128	
1,2-Dichloropropane	ug/L	50	52.8	106	74-121	
1,3-Dichlorobenzene	ug/L	50	52.4	105	74-122	
1,3-Dichloropropane	ug/L	50	48.0	96	74-123	
1,4-Dichlorobenzene	ug/L	50	50.5	101	76-120	
2,2-Dichloropropane	ug/L	50	40.6	81	50-137	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1434758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	250	258	103	58-139	
2-Hexanone	ug/L	250	254	101	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	256	102	58-138	
Acetone	ug/L	250	304	122	49-150	
Acetonitrile	ug/L	50	45.8J	92	50-150	
Acrolein	ug/L	1000	1320	132	41-200	
Acrylonitrile	ug/L	200	210	105	63-137	
Allyl chloride	ug/L	100	97.8	98	70-130	N2
Benzene	ug/L	50	52.9	106	74-122	
Bromochloromethane	ug/L	50	57.2	114	63-132	
Bromodichloromethane	ug/L	50	52.1	104	62-136	
Bromoform	ug/L	50	47.4	95	44-134	
Bromomethane	ug/L	50	130	261	22-181	L3
Carbon disulfide	ug/L	50	61.5	123	59-132	
Carbon tetrachloride	ug/L	50	54.4	109	56-137	
Chlorobenzene	ug/L	50	50.9	102	78-123	
Chloroethane	ug/L	50	53.0	106	60-144	
Chloroform	ug/L	50	51.0	102	78-126	
Chloromethane	ug/L	50	49.8	100	42-134	
Chloroprene	ug/L	50	55.4J	111	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	54.6	109	75-122	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	64-126	
Dibromochloromethane	ug/L	50	50.5	101	58-128	
Dibromomethane	ug/L	50	51.6	103	73-125	
Dichlorodifluoromethane	ug/L	50	50.5	101	35-181	
Ethyl methacrylate	ug/L	200	208	104	69-133	
Ethylbenzene	ug/L	50	52.6	105	66-133	
Iodomethane	ug/L	100	141	141	21-170	
Isobutanol	ug/L	250	911	364	50-150	L3,N2
Methacrylonitrile	ug/L	200	221	111	50-150	N2
Methyl methacrylate	ug/L	50	56.2J	112	70-130	N2
Methylene Chloride	ug/L	50	53.1	106	68-132	
Propionitrile	ug/L	50	ND	102	50-150	N2
Styrene	ug/L	50	52.0	104	74-126	
Tetrachloroethene	ug/L	50	44.5	89	69-130	
Toluene	ug/L	50	52.2	104	72-122	
trans-1,2-Dichloroethene	ug/L	50	56.9	114	72-124	
trans-1,3-Dichloropropene	ug/L	50	48.7	97	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	189	94	56-133	
Trichloroethene	ug/L	50	52.9	106	76-126	
Trichlorofluoromethane	ug/L	50	55.0	110	76-149	
Vinyl acetate	ug/L	200	206	103	45-151	
Vinyl chloride	ug/L	50	49.0	98	59-126	
Xylene (Total)	ug/L	150	170	113	70-124	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			99	81-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1434760

Parameter	Units	50132788001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	54.8	110	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	50.7	101	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	52.6	105	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	51.1	102	61-139	
1,1-Dichloroethane	ug/L	ND	50	51.4	103	57-147	
1,1-Dichloroethene	ug/L	ND	50	56.3	113	55-145	
1,1-Dichloropropene	ug/L	ND	50	48.7	97	55-147	
1,2,3-Trichloropropane	ug/L	ND	50	49.7	99	58-133	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50.5	101	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.2	96	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	51.9	104	38-136	
1,2-Dichloroethane	ug/L	ND	50	50.5	101	62-138	
1,2-Dichloropropane	ug/L	ND	50	50.6	101	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	52.4	105	28-141	
1,3-Dichloropropane	ug/L	ND	50	47.2	94	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	50.7	101	30-139	
2,2-Dichloropropane	ug/L	ND	50	33.5	67	37-139	
2-Butanone (MEK)	ug/L	ND	250	240	96	37-156	
2-Hexanone	ug/L	ND	250	247	99	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	251	100	46-144	
Acetone	ug/L	ND	250	281	112	39-156	
Acetonitrile	ug/L	ND	50	44.6J	89	50-150	
Acrolein	ug/L	ND	1000	1050	105	33-200	
Acrylonitrile	ug/L	ND	200	197	99	48-149	
Allyl chloride	ug/L	ND	100	95.2	95	70-130	N2
Benzene	ug/L	ND	50	51.5	103	62-129	
Bromochloromethane	ug/L	ND	50	56.1	112	49-142	
Bromodichloromethane	ug/L	ND	50	49.0	98	50-142	
Bromoform	ug/L	ND	50	46.1	92	36-125	
Bromomethane	ug/L	ND	50	96.7	193	13-179	M0
Carbon disulfide	ug/L	ND	50	60.8	122	45-142	
Carbon tetrachloride	ug/L	ND	50	54.6	109	46-142	
Chlorobenzene	ug/L	ND	50	51.0	102	49-136	
Chloroethane	ug/L	ND	50	52.2	104	47-160	
Chloroform	ug/L	ND	50	49.8	100	54-150	
Chloromethane	ug/L	ND	50	51.0	102	30-148	
Chloroprene	ug/L	ND	50	55.2J	110	70-130	N2
cis-1,2-Dichloroethene	ug/L	ND	50	52.1	104	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	45.9	92	52-123	
Dibromochloromethane	ug/L	ND	50	50.6	101	48-125	
Dibromomethane	ug/L	ND	50	48.8	98	59-134	
Dichlorodifluoromethane	ug/L	ND	50	52.2	104	24-197	
Ethyl methacrylate	ug/L	ND	200	201	100	55-139	
Ethylbenzene	ug/L	ND	50	54.4	108	28-153	
Iodomethane	ug/L	ND	100	107	107	17-157	
Isobutanol	ug/L	ND	250	44.2J	18	50-150	M0,N2
Methacrylonitrile	ug/L	ND	200	209	104	50-150	N2

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1434760

Parameter	Units	50132788001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methyl methacrylate	ug/L	ND	50	51.6J	103	70-130	N2
Methylene Chloride	ug/L	ND	50	51.6	103	45-156	
Propionitrile	ug/L	ND	50	ND	99	50-150	N2
Styrene	ug/L	ND	50	51.4	103	36-139	
Tetrachloroethene	ug/L	ND	50	45.0	90	33-151	
Toluene	ug/L	ND	50	54.4	106	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	54.2	108	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	46.1	92	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	181	90	32-139	
Trichloroethene	ug/L	ND	50	51.8	104	50-143	
Trichlorofluoromethane	ug/L	ND	50	54.8	110	60-175	
Vinyl acetate	ug/L	ND	200	111	55	17-142	
Vinyl chloride	ug/L	ND	50	49.8	100	44-145	
Xylene (Total)	ug/L	ND	150	176	117	29-145	
4-Bromofluorobenzene (S)	%.				98	80-114	
Dibromofluoromethane (S)	%.				97	79-116	
Toluene-d8 (S)	%.				102	81-110	

SAMPLE DUPLICATE: 1434759

Parameter	Units	50132921001 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	
1,1-Dichloropropene	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	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
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	
Acetonitrile	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

SAMPLE DUPLICATE: 1434759

Parameter	Units	50132921001 Result	Dup Result	RPD	Max RPD	Qualifiers
Allyl chloride	ug/L	ND	ND		20	N2
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	
Chloroprene	ug/L	ND	ND		20	N2
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	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isobutanol	ug/L	ND	ND		20	N2
Methacrylonitrile	ug/L	ND	ND		20	N2
Methyl methacrylate	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Propionitrile	ug/L	ND	ND		20	N2
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	99	2		
Dibromofluoromethane (S)	%.	98	99	1		
Toluene-d8 (S)	%.	102	102	0		

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84312
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 50132719026

METHOD BLANK: 1435157
Matrix: Water
Associated Lab Samples: 50132719026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/30/15 17:11	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/30/15 17:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/30/15 17:11	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/30/15 17:11	
1,1-Dichloroethane	ug/L	ND	5.0	11/30/15 17:11	
1,1-Dichloroethene	ug/L	ND	5.0	11/30/15 17:11	
1,1-Dichloropropene	ug/L	ND	5.0	11/30/15 17:11	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/30/15 17:11	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/30/15 17:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/30/15 17:11	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/30/15 17:11	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/30/15 17:11	
1,2-Dichloroethane	ug/L	ND	5.0	11/30/15 17:11	
1,2-Dichloropropane	ug/L	ND	5.0	11/30/15 17:11	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/30/15 17:11	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/30/15 17:11	
1,3-Dichloropropane	ug/L	ND	5.0	11/30/15 17:11	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/30/15 17:11	
2,2-Dichloropropane	ug/L	ND	5.0	11/30/15 17:11	
2-Butanone (MEK)	ug/L	ND	10.0	11/30/15 17:11	
2-Hexanone	ug/L	ND	10.0	11/30/15 17:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/30/15 17:11	
Acetone	ug/L	ND	10.0	11/30/15 17:11	
Acetonitrile	ug/L	ND	100	11/30/15 17:11	
Acrolein	ug/L	ND	50.0	11/30/15 17:11	
Acrylonitrile	ug/L	ND	100	11/30/15 17:11	
Allyl chloride	ug/L	ND	5.0	11/30/15 17:11	N2
Benzene	ug/L	ND	5.0	11/30/15 17:11	
Bromochloromethane	ug/L	ND	5.0	11/30/15 17:11	
Bromodichloromethane	ug/L	ND	5.0	11/30/15 17:11	
Bromoform	ug/L	ND	5.0	11/30/15 17:11	
Bromomethane	ug/L	ND	10.0	11/30/15 17:11	
Carbon disulfide	ug/L	ND	10.0	11/30/15 17:11	
Carbon tetrachloride	ug/L	ND	5.0	11/30/15 17:11	
Chlorobenzene	ug/L	ND	5.0	11/30/15 17:11	
Chloroethane	ug/L	ND	10.0	11/30/15 17:11	
Chloroform	ug/L	ND	5.0	11/30/15 17:11	
Chloromethane	ug/L	ND	10.0	11/30/15 17:11	
Chloroprene	ug/L	ND	100	11/30/15 17:11	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/30/15 17:11	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/30/15 17:11	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1435157 Matrix: Water
Associated Lab Samples: 50132719026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	5.0	11/30/15 17:11	
Dibromomethane	ug/L	ND	10.0	11/30/15 17:11	
Dichlorodifluoromethane	ug/L	ND	5.0	11/30/15 17:11	
Ethyl methacrylate	ug/L	ND	100	11/30/15 17:11	
Ethylbenzene	ug/L	ND	5.0	11/30/15 17:11	
Iodomethane	ug/L	ND	5.0	11/30/15 17:11	
Isobutanol	ug/L	ND	100	11/30/15 17:11	N2
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/30/15 17:11	
Methacrylonitrile	ug/L	ND	100	11/30/15 17:11	N2
Methyl methacrylate	ug/L	ND	100	11/30/15 17:11	N2
Methyl-tert-butyl ether	ug/L	ND	5.0	11/30/15 17:11	
Methylene Chloride	ug/L	ND	5.0	11/30/15 17:11	
n-Butyl chloride	ug/L	ND	5.0	11/30/15 17:11	
p-Isopropyltoluene	ug/L	ND	5.0	11/30/15 17:11	
Propionitrile	ug/L	ND	100	11/30/15 17:11	N2
Styrene	ug/L	ND	5.0	11/30/15 17:11	
Tetrachloroethene	ug/L	ND	5.0	11/30/15 17:11	
Tetrahydrofuran	ug/L	ND	100	11/30/15 17:11	N2
Toluene	ug/L	ND	5.0	11/30/15 17:11	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/30/15 17:11	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/30/15 17:11	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	11/30/15 17:11	
Trichloroethene	ug/L	ND	5.0	11/30/15 17:11	
Trichlorofluoromethane	ug/L	ND	10.0	11/30/15 17:11	
Vinyl acetate	ug/L	ND	10.0	11/30/15 17:11	
Vinyl chloride	ug/L	ND	2.0	11/30/15 17:11	
Xylene (Total)	ug/L	ND	5.0	11/30/15 17:11	
4-Bromofluorobenzene (S)	%.	98	80-114	11/30/15 17:11	
Dibromofluoromethane (S)	%.	100	79-116	11/30/15 17:11	
Toluene-d8 (S)	%.	96	81-110	11/30/15 17:11	

LABORATORY CONTROL SAMPLE: 1435158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.4	107	61-135	
1,1,1-Trichloroethane	ug/L	50	51.4	103	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.9	98	66-126	
1,1,2-Trichloroethane	ug/L	50	50.3	101	77-130	
1,1-Dichloroethane	ug/L	50	53.8	108	75-130	
1,1-Dichloroethene	ug/L	50	56.7	113	68-127	
1,1-Dichloropropene	ug/L	50	50.2	100	78-130	
1,2,3-Trichloropropane	ug/L	50	48.1	96	58-142	
1,2,4-Trimethylbenzene	ug/L	50	49.1	98	69-127	
1,2-Dibromo-3-chloropropane	ug/L	50	50.0	100	64-124	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1435158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	47.2	94	76-125	
1,2-Dichlorobenzene	ug/L	50	51.4	103	75-123	
1,2-Dichloroethane	ug/L	50	52.5	105	75-128	
1,2-Dichloropropane	ug/L	50	53.4	107	74-121	
1,3,5-Trimethylbenzene	ug/L	50	50.7	101	70-126	
1,3-Dichlorobenzene	ug/L	50	51.0	102	74-122	
1,3-Dichloropropane	ug/L	50	47.4	95	74-123	
1,4-Dichlorobenzene	ug/L	50	49.4	99	76-120	
2,2-Dichloropropane	ug/L	50	53.3	107	50-137	
2-Butanone (MEK)	ug/L	250	260	104	58-139	
2-Hexanone	ug/L	250	250	100	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	249	100	58-138	
Acetone	ug/L	250	305	122	49-150	
Acetonitrile	ug/L	50	49J	98	50-150	
Acrolein	ug/L	1000	1340	134	41-200	
Acrylonitrile	ug/L	200	212	106	63-137	
Allyl chloride	ug/L	100	104	104	70-130	N2
Benzene	ug/L	50	53.3	107	74-122	
Bromochloromethane	ug/L	50	58.5	117	63-132	
Bromodichloromethane	ug/L	50	51.7	103	62-136	
Bromoform	ug/L	50	45.3	91	44-134	
Bromomethane	ug/L	50	136	273	22-181	L3
Carbon disulfide	ug/L	50	63.6	127	59-132	
Carbon tetrachloride	ug/L	50	54.6	109	56-137	
Chlorobenzene	ug/L	50	51.3	103	78-123	
Chloroethane	ug/L	50	54.3	109	60-144	
Chloroform	ug/L	50	51.7	103	78-126	
Chloromethane	ug/L	50	53.2	106	42-134	
Chloroprene	ug/L	50	56.1J	112	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	54.8	110	75-122	
cis-1,3-Dichloropropene	ug/L	50	49.6	99	64-126	
Dibromochloromethane	ug/L	50	49.8	100	58-128	
Dibromomethane	ug/L	50	51.9	104	73-125	
Dichlorodifluoromethane	ug/L	50	52.7	105	35-181	
Ethyl methacrylate	ug/L	200	206	103	69-133	
Ethylbenzene	ug/L	50	53.2	106	66-133	
Iodomethane	ug/L	100	103	103	21-170	
Isobutanol	ug/L	250	914	366	50-150	L3,N2
Isopropylbenzene (Cumene)	ug/L	50	53.2	106	69-124	
Methacrylonitrile	ug/L	200	222	111	50-150	N2
Methyl methacrylate	ug/L	50	56.1J	112	70-130	N2
Methyl-tert-butyl ether	ug/L	50	53.4	107	69-122	
Methylene Chloride	ug/L	50	54.0	108	68-132	
n-Butyl chloride	ug/L	50	58.0	116	70-130	
p-Isopropyltoluene	ug/L	50	49.2	98	72-132	
Propionitrile	ug/L	50	ND	97	50-150	N2
Styrene	ug/L	50	52.7	105	74-126	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1435158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	45.6	91	69-130	
Tetrahydrofuran	ug/L	50	51.8J	104	50-150	N2
Toluene	ug/L	50	52.5	105	72-122	
trans-1,2-Dichloroethene	ug/L	50	57.5	115	72-124	
trans-1,3-Dichloropropene	ug/L	50	49.9	100	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	210	105	56-133	
Trichloroethene	ug/L	50	53.7	107	76-126	
Trichlorofluoromethane	ug/L	50	56.4	113	76-149	
Vinyl acetate	ug/L	200	210	105	45-151	
Vinyl chloride	ug/L	50	50.3	101	59-126	
Xylene (Total)	ug/L	150	174	116	70-124	
4-Bromofluorobenzene (S)	%.			104	80-114	
Dibromofluoromethane (S)	%.			103	79-116	
Toluene-d8 (S)	%.			101	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84342 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719016

METHOD BLANK: 1435444 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/02/15 06:04	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/02/15 06:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/02/15 06:04	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/02/15 06:04	
1,1-Dichloroethane	ug/L	ND	5.0	12/02/15 06:04	
1,1-Dichloroethene	ug/L	ND	5.0	12/02/15 06:04	
1,1-Dichloropropene	ug/L	ND	5.0	12/02/15 06:04	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/02/15 06:04	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	12/02/15 06:04	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/02/15 06:04	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/02/15 06:04	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/02/15 06:04	
1,2-Dichloroethane	ug/L	ND	5.0	12/02/15 06:04	
1,2-Dichloropropane	ug/L	ND	5.0	12/02/15 06:04	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	12/02/15 06:04	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/02/15 06:04	
1,3-Dichloropropane	ug/L	ND	5.0	12/02/15 06:04	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/02/15 06:04	
2,2-Dichloropropane	ug/L	ND	5.0	12/02/15 06:04	
2-Butanone (MEK)	ug/L	ND	10.0	12/02/15 06:04	
2-Hexanone	ug/L	ND	10.0	12/02/15 06:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/02/15 06:04	
Acetone	ug/L	ND	10.0	12/02/15 06:04	
Acetonitrile	ug/L	ND	100	12/02/15 06:04	
Acrolein	ug/L	ND	50.0	12/02/15 06:04	
Acrylonitrile	ug/L	ND	100	12/02/15 06:04	
Allyl chloride	ug/L	ND	5.0	12/02/15 06:04	N2
Benzene	ug/L	ND	5.0	12/02/15 06:04	
Bromochloromethane	ug/L	ND	5.0	12/02/15 06:04	
Bromodichloromethane	ug/L	ND	5.0	12/02/15 06:04	
Bromoform	ug/L	ND	5.0	12/02/15 06:04	
Bromomethane	ug/L	ND	10.0	12/02/15 06:04	
Carbon disulfide	ug/L	ND	10.0	12/02/15 06:04	
Carbon tetrachloride	ug/L	ND	5.0	12/02/15 06:04	
Chlorobenzene	ug/L	ND	5.0	12/02/15 06:04	
Chloroethane	ug/L	ND	10.0	12/02/15 06:04	
Chloroform	ug/L	ND	5.0	12/02/15 06:04	
Chloromethane	ug/L	ND	10.0	12/02/15 06:04	
Chloroprene	ug/L	ND	100	12/02/15 06:04	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/02/15 06:04	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/02/15 06:04	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1435444 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	5.0	12/02/15 06:04	
Dibromomethane	ug/L	ND	10.0	12/02/15 06:04	
Dichlorodifluoromethane	ug/L	ND	5.0	12/02/15 06:04	
Ethyl methacrylate	ug/L	ND	100	12/02/15 06:04	
Ethylbenzene	ug/L	ND	5.0	12/02/15 06:04	
Iodomethane	ug/L	ND	5.0	12/02/15 06:04	
Isobutanol	ug/L	ND	100	12/02/15 06:04	N2
Isopropylbenzene (Cumene)	ug/L	ND	5.0	12/02/15 06:04	
Methacrylonitrile	ug/L	ND	100	12/02/15 06:04	N2
Methyl methacrylate	ug/L	ND	100	12/02/15 06:04	N2
Methyl-tert-butyl ether	ug/L	ND	5.0	12/02/15 06:04	
Methylene Chloride	ug/L	ND	5.0	12/02/15 06:04	
n-Butyl chloride	ug/L	ND	5.0	12/02/15 06:04	
p-Isopropyltoluene	ug/L	ND	5.0	12/02/15 06:04	
Propionitrile	ug/L	ND	100	12/02/15 06:04	N2
Styrene	ug/L	ND	5.0	12/02/15 06:04	
Tetrachloroethene	ug/L	ND	5.0	12/02/15 06:04	
Tetrahydrofuran	ug/L	ND	100	12/02/15 06:04	N2
Toluene	ug/L	ND	5.0	12/02/15 06:04	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/02/15 06:04	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/02/15 06:04	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/02/15 06:04	
Trichloroethene	ug/L	ND	5.0	12/02/15 06:04	
Trichlorofluoromethane	ug/L	ND	10.0	12/02/15 06:04	
Vinyl acetate	ug/L	ND	10.0	12/02/15 06:04	
Vinyl chloride	ug/L	ND	2.0	12/02/15 06:04	
Xylene (Total)	ug/L	ND	5.0	12/02/15 06:04	
4-Bromofluorobenzene (S)	%.	90	80-114	12/02/15 06:04	
Dibromofluoromethane (S)	%.	90	79-116	12/02/15 06:04	
Toluene-d8 (S)	%.	104	81-110	12/02/15 06:04	

LABORATORY CONTROL SAMPLE: 1435445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.2	114	61-135	
1,1,1-Trichloroethane	ug/L	50	51.4	103	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	57.0	114	66-126	
1,1,2-Trichloroethane	ug/L	50	57.0	114	77-130	
1,1-Dichloroethane	ug/L	50	51.5	103	75-130	
1,1-Dichloroethene	ug/L	50	57.0	114	68-127	
1,1-Dichloropropene	ug/L	50	53.7	107	78-130	
1,2,3-Trichloropropane	ug/L	50	53.9	108	58-142	
1,2,4-Trimethylbenzene	ug/L	50	55.4	111	69-127	
1,2-Dibromo-3-chloropropane	ug/L	50	60.3	121	64-124	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1435445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	54.9	110	76-125	
1,2-Dichlorobenzene	ug/L	50	57.2	114	75-123	
1,2-Dichloroethane	ug/L	50	50.9	102	75-128	
1,2-Dichloropropane	ug/L	50	52.3	105	74-121	
1,3,5-Trimethylbenzene	ug/L	50	56.5	113	70-126	
1,3-Dichlorobenzene	ug/L	50	59.2	118	74-122	
1,3-Dichloropropane	ug/L	50	54.2	108	74-123	
1,4-Dichlorobenzene	ug/L	50	55.7	111	76-120	
2,2-Dichloropropane	ug/L	50	37.8	76	50-137	
2-Butanone (MEK)	ug/L	250	266	106	58-139	
2-Hexanone	ug/L	250	278	111	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	274	110	58-138	
Acetone	ug/L	250	319	127	49-150	
Acetonitrile	ug/L	50	44.8J	90	50-150	
Acrolein	ug/L	1000	1520	152	41-200	
Acrylonitrile	ug/L	200	212	106	63-137	
Allyl chloride	ug/L	100	94.1	94	70-130	N2
Benzene	ug/L	50	53.0	106	74-122	
Bromochloromethane	ug/L	50	56.5	113	63-132	
Bromodichloromethane	ug/L	50	51.1	102	62-136	
Bromoform	ug/L	50	53.0	106	44-134	
Bromomethane	ug/L	50	103	206	22-181	L3
Carbon disulfide	ug/L	50	65.3	131	59-132	
Carbon tetrachloride	ug/L	50	53.4	107	56-137	
Chlorobenzene	ug/L	50	55.4	111	78-123	
Chloroethane	ug/L	50	58.0	116	60-144	
Chloroform	ug/L	50	51.2	102	78-126	
Chloromethane	ug/L	50	47.8	96	42-134	
Chloroprene	ug/L	50	53.1J	106	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	53.0	106	75-122	
cis-1,3-Dichloropropene	ug/L	50	55.1	110	64-126	
Dibromochloromethane	ug/L	50	54.1	108	58-128	
Dibromomethane	ug/L	50	50.4	101	73-125	
Dichlorodifluoromethane	ug/L	50	47.2	94	35-181	
Ethyl methacrylate	ug/L	200	226	113	69-133	
Ethylbenzene	ug/L	50	54.8	110	66-133	
Iodomethane	ug/L	100	123	123	21-170	
Isobutanol	ug/L	250	1050	419	50-150	L3,N2
Isopropylbenzene (Cumene)	ug/L	50	55.5	111	69-124	
Methacrylonitrile	ug/L	200	227	113	50-150	N2
Methyl methacrylate	ug/L	50	59.1J	118	70-130	N2
Methyl-tert-butyl ether	ug/L	50	54.1	108	69-122	
Methylene Chloride	ug/L	50	53.7	107	68-132	
n-Butyl chloride	ug/L	50	56.9	114	70-130	
p-Isopropyltoluene	ug/L	50	54.0	108	72-132	
Propionitrile	ug/L	50	49.2J	98	50-150	N2
Styrene	ug/L	50	57.2	114	74-126	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1435445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	51.8	104	69-130	
Tetrahydrofuran	ug/L	50	50.3J	101	50-150	N2
Toluene	ug/L	50	56.9	114	72-122	
trans-1,2-Dichloroethene	ug/L	50	53.5	107	72-124	
trans-1,3-Dichloropropene	ug/L	50	55.1	110	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	210	105	56-133	
Trichloroethene	ug/L	50	53.4	107	76-126	
Trichlorofluoromethane	ug/L	50	55.1	110	76-149	
Vinyl acetate	ug/L	200	200	100	45-151	
Vinyl chloride	ug/L	50	52.0	104	59-126	
Xylene (Total)	ug/L	150	182	121	70-124	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			98	79-116	
Toluene-d8 (S)	%.			105	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435446 1435447

Parameter	Units	50132990002 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	53.0	54.2	106	108	50-132	2	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	49.4	50.3	99	101	60-138	2	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	53.1	54.3	106	109	55-128	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	54.6	54.1	109	108	61-139	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.1	47.8	102	96	57-147	7	20	
1,1-Dichloroethene	ug/L	ND	50	50	58.1	58.2	116	116	55-145	0	20	
1,1-Dichloropropene	ug/L	ND	50	50	49.8	51.8	100	104	55-147	4	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	51.6	50.2	103	100	58-133	3	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	47.7	50.5	95	101	18-149	6	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	54.8	56.6	110	113	37-130	3	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	51.8	52.0	104	104	63-129	0	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	50.3	52.3	101	105	38-136	4	20	
1,2-Dichloroethane	ug/L	ND	50	50	50.1	48.0	100	96	62-138	4	20	
1,2-Dichloropropane	ug/L	ND	50	50	50.5	48.0	101	96	59-130	5	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	46.7	50.7	93	101	20-147	8	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	49.9	51.5	100	103	28-141	3	20	
1,3-Dichloropropane	ug/L	ND	50	50	52.7	51.5	105	103	62-127	2	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	48.0	48.9	96	98	30-139	2	20	
2,2-Dichloropropane	ug/L	ND	50	50	29.9	29.8	60	60	37-139	0	20	
2-Butanone (MEK)	ug/L	ND	250	250	250	236	100	94	37-156	6	20	
2-Hexanone	ug/L	ND	250	250	263	261	105	104	44-143	1	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	259	255	104	102	46-144	1	20	
Acetone	ug/L	ND	250	250	301	301	121	121	39-156	0	20	
Acetonitrile	ug/L	ND	50	50	44J	42J	88	84	50-150		20	
Acrolein	ug/L	ND	1000	1000	1260	1180	126	118	33-200	7	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435446 1435447

Parameter	Units	50132990002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acrylonitrile	ug/L	ND	200	200	204	190	102	95	48-149	7	20	
Allyl chloride	ug/L	ND	100	100	91.3	88.3	91	88	70-130	3	20	N2
Benzene	ug/L	ND	50	50	51.6	50.6	103	101	62-129	2	20	
Bromochloromethane	ug/L	ND	50	50	56.2	51.9	112	104	49-142	8	20	
Bromodichloromethane	ug/L	ND	50	50	50.0	47.7	100	95	50-142	5	20	
Bromoform	ug/L	ND	50	50	49.4	50.8	99	102	36-125	3	20	
Bromomethane	ug/L	ND	50	50	64.4	70.5	129	141	13-179	9	20	
Carbon disulfide	ug/L	ND	50	50	62.6	65.4	125	131	45-142	4	20	
Carbon tetrachloride	ug/L	ND	50	50	49.5	52.8	99	106	46-142	6	20	
Chlorobenzene	ug/L	ND	50	50	50.4	52.0	101	104	49-136	3	20	
Chloroethane	ug/L	ND	50	50	61.1	59.7	122	119	47-160	2	20	
Chloroform	ug/L	ND	50	50	50.3	49.0	101	98	54-150	3	20	
Chloromethane	ug/L	ND	50	50	49.3	47.2	99	94	30-148	4	20	
Chloroprene	ug/L	ND	50	50	50.9J	51.8J	102	104	70-130		20	N2
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.7	49.4	101	99	60-135	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	50.0	50.4	100	101	52-123	1	20	
Dibromochloromethane	ug/L	ND	50	50	50.6	51.4	101	103	48-125	1	20	
Dibromomethane	ug/L	ND	50	50	48.2	46.6	96	93	59-134	3	20	
Dichlorodifluoromethane	ug/L	ND	50	50	44.5	46.3	89	93	24-197	4	20	
Ethyl methacrylate	ug/L	ND	200	200	214	213	107	106	55-139	0	20	
Ethylbenzene	ug/L	ND	50	50	50.0	52.6	100	105	28-153	5	20	
Iodomethane	ug/L	ND	100	100	95.0	114	95	114	17-157	19	20	
Isobutanol	ug/L	ND	250	250	811	764	325	306	50-150	6	20	M0,N2
Isopropylbenzene (Cumene)	ug/L	ND	50	50	47.0	51.8	94	104	18-152	10	20	
Methacrylonitrile	ug/L	ND	200	200	218	204	109	102	50-150	7	20	N2
Methyl methacrylate	ug/L	ND	50	50	54.5J	53.2J	109	106	70-130		20	N2
Methyl-tert-butyl ether	ug/L	ND	50	50	52.1	49.4	104	99	63-130	5	20	
Methylene Chloride	ug/L	ND	50	50	52.0	49.9	104	100	45-156	4	20	
n-Butyl chloride	ug/L	ND	50	50	54.2	55.9	108	112	70-130	3	20	
p-Isopropyltoluene	ug/L	ND	50	50	41.3	46.6	83	93	10-163	12	20	
Propionitrile	ug/L	ND	50	50	39.9J	42.1J	80	84	50-150		20	N2
Styrene	ug/L	ND	50	50	50.7	52.9	101	106	36-139	4	20	
Tetrachloroethene	ug/L	ND	50	50	46.0	49.4	92	99	33-151	7	20	
Tetrahydrofuran	ug/L	ND	50	50	50.3J	47.1J	101	94	50-150		20	N2
Toluene	ug/L	ND	50	50	53.0	54.3	106	108	50-132	2	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.4	51.9	105	104	40-153	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	49.2	49.9	98	100	48-122	1	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	166	160	83	80	32-139	3	20	
Trichloroethene	ug/L	ND	50	50	50.1	51.8	100	104	50-143	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	51.7	55.3	103	111	60-175	7	20	
Vinyl acetate	ug/L	ND	200	200	120	112	60	56	17-142	7	20	
Vinyl chloride	ug/L	ND	50	50	52.9	51.5	106	103	44-145	3	20	
Xylene (Total)	ug/L	ND	150	150	164	170	109	113	29-145	4	20	
4-Bromofluorobenzene (S)	%.						95	97	80-114			
Dibromofluoromethane (S)	%.						101	96	79-116			
Toluene-d8 (S)	%.						105	105	81-110			

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84406 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50132719017, 50132719018, 50132719019

METHOD BLANK: 1436440 Matrix: Water
Associated Lab Samples: 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/02/15 19:02	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/02/15 19:02	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/02/15 19:02	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/02/15 19:02	
1,1-Dichloroethane	ug/L	ND	5.0	12/02/15 19:02	
1,1-Dichloroethene	ug/L	ND	5.0	12/02/15 19:02	
1,1-Dichloropropene	ug/L	ND	5.0	12/02/15 19:02	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/02/15 19:02	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/02/15 19:02	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/02/15 19:02	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/02/15 19:02	
1,2-Dichloroethane	ug/L	ND	5.0	12/02/15 19:02	
1,2-Dichloropropane	ug/L	ND	5.0	12/02/15 19:02	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/02/15 19:02	
1,3-Dichloropropane	ug/L	ND	5.0	12/02/15 19:02	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/02/15 19:02	
2,2-Dichloropropane	ug/L	ND	5.0	12/02/15 19:02	
2-Butanone (MEK)	ug/L	ND	10.0	12/02/15 19:02	
2-Hexanone	ug/L	ND	10.0	12/02/15 19:02	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/02/15 19:02	
Acetone	ug/L	ND	10.0	12/02/15 19:02	
Acetonitrile	ug/L	ND	100	12/02/15 19:02	
Acrolein	ug/L	ND	50.0	12/02/15 19:02	
Acrylonitrile	ug/L	ND	100	12/02/15 19:02	
Allyl chloride	ug/L	ND	5.0	12/02/15 19:02	N2
Benzene	ug/L	ND	5.0	12/02/15 19:02	
Bromochloromethane	ug/L	ND	5.0	12/02/15 19:02	
Bromodichloromethane	ug/L	ND	5.0	12/02/15 19:02	
Bromoform	ug/L	ND	5.0	12/02/15 19:02	
Bromomethane	ug/L	ND	10.0	12/02/15 19:02	
Carbon disulfide	ug/L	ND	10.0	12/02/15 19:02	
Carbon tetrachloride	ug/L	ND	5.0	12/02/15 19:02	
Chlorobenzene	ug/L	ND	5.0	12/02/15 19:02	
Chloroethane	ug/L	ND	10.0	12/02/15 19:02	
Chloroform	ug/L	ND	5.0	12/02/15 19:02	
Chloromethane	ug/L	ND	10.0	12/02/15 19:02	
Chloroprene	ug/L	ND	100	12/02/15 19:02	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/02/15 19:02	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/02/15 19:02	
Dibromochloromethane	ug/L	ND	5.0	12/02/15 19:02	
Dibromomethane	ug/L	ND	10.0	12/02/15 19:02	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1436440 Matrix: Water
Associated Lab Samples: 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	12/02/15 19:02	
Ethyl methacrylate	ug/L	ND	100	12/02/15 19:02	
Ethylbenzene	ug/L	ND	5.0	12/02/15 19:02	
Iodomethane	ug/L	ND	5.0	12/02/15 19:02	
Isobutanol	ug/L	ND	100	12/02/15 19:02	N2
Methacrylonitrile	ug/L	ND	100	12/02/15 19:02	N2
Methyl methacrylate	ug/L	ND	100	12/02/15 19:02	N2
Methylene Chloride	ug/L	ND	5.0	12/02/15 19:02	
Propionitrile	ug/L	ND	100	12/02/15 19:02	N2
Styrene	ug/L	ND	5.0	12/02/15 19:02	
Tetrachloroethene	ug/L	ND	5.0	12/02/15 19:02	
Toluene	ug/L	ND	5.0	12/02/15 19:02	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/02/15 19:02	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/02/15 19:02	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/02/15 19:02	
Trichloroethene	ug/L	ND	5.0	12/02/15 19:02	
Trichlorofluoromethane	ug/L	ND	10.0	12/02/15 19:02	
Vinyl acetate	ug/L	ND	10.0	12/02/15 19:02	
Vinyl chloride	ug/L	ND	2.0	12/02/15 19:02	
Xylene (Total)	ug/L	ND	5.0	12/02/15 19:02	
4-Bromofluorobenzene (S)	%.	99	80-114	12/02/15 19:02	
Dibromofluoromethane (S)	%.	97	79-116	12/02/15 19:02	
Toluene-d8 (S)	%.	105	81-110	12/02/15 19:02	

LABORATORY CONTROL SAMPLE: 1436441

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.7	97	61-135	
1,1,1-Trichloroethane	ug/L	50	44.9	90	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	66-126	
1,1,2-Trichloroethane	ug/L	50	47.3	95	77-130	
1,1-Dichloroethane	ug/L	50	45.1	90	75-130	
1,1-Dichloroethene	ug/L	50	53.9	108	68-127	
1,1-Dichloropropene	ug/L	50	43.6	87	78-130	
1,2,3-Trichloropropane	ug/L	50	45.9	92	58-142	
1,2-Dibromo-3-chloropropane	ug/L	50	48.7	97	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	43.5	87	76-125	
1,2-Dichlorobenzene	ug/L	50	48.7	97	75-123	
1,2-Dichloroethane	ug/L	50	44.7	89	75-128	
1,2-Dichloropropane	ug/L	50	45.8	92	74-121	
1,3-Dichlorobenzene	ug/L	50	49.7	99	74-122	
1,3-Dichloropropane	ug/L	50	43.7	87	74-123	
1,4-Dichlorobenzene	ug/L	50	48.0	96	76-120	
2,2-Dichloropropane	ug/L	50	46.8	94	50-137	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1436441

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	250	227	91	58-139	
2-Hexanone	ug/L	250	234	94	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	232	93	58-138	
Acetone	ug/L	250	291	116	49-150	
Acetonitrile	ug/L	50	40.6J	81	50-150	
Acrolein	ug/L	1000	1260	126	41-200	
Acrylonitrile	ug/L	200	179	89	63-137	
Allyl chloride	ug/L	100	87.7	88	70-130	N2
Benzene	ug/L	50	46.0	92	74-122	
Bromochloromethane	ug/L	50	49.0	98	63-132	
Bromodichloromethane	ug/L	50	44.7	89	62-136	
Bromoform	ug/L	50	44.7	89	44-134	
Bromomethane	ug/L	50	129	258	22-181	L3
Carbon disulfide	ug/L	50	59.9	120	59-132	
Carbon tetrachloride	ug/L	50	47.1	94	56-137	
Chlorobenzene	ug/L	50	46.7	93	78-123	
Chloroethane	ug/L	50	50.4	101	60-144	
Chloroform	ug/L	50	44.6	89	78-126	
Chloromethane	ug/L	50	49.1	98	42-134	
Chloroprene	ug/L	50	48.6J	97	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	47.7	95	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.2	92	64-126	
Dibromochloromethane	ug/L	50	46.4	93	58-128	
Dibromomethane	ug/L	50	44.7	89	73-125	
Dichlorodifluoromethane	ug/L	50	43.3	87	35-181	
Ethyl methacrylate	ug/L	200	193	97	69-133	
Ethylbenzene	ug/L	50	49.1	98	66-133	
Iodomethane	ug/L	100	137	137	21-170	
Isobutanol	ug/L	250	797	319	50-150	L3,N2
Methacrylonitrile	ug/L	200	191	96	50-150	N2
Methyl methacrylate	ug/L	50	50.5J	101	70-130	N2
Methylene Chloride	ug/L	50	46.9	94	68-132	
Propionitrile	ug/L	50	ND	88	50-150	N2
Styrene	ug/L	50	48.4	97	74-126	
Tetrachloroethene	ug/L	50	42.4	85	69-130	
Toluene	ug/L	50	48.4	97	72-122	
trans-1,2-Dichloroethene	ug/L	50	48.6	97	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	194	97	56-133	
Trichloroethene	ug/L	50	46.7	93	76-126	
Trichlorofluoromethane	ug/L	50	52.6	105	76-149	
Vinyl acetate	ug/L	200	183	92	45-151	
Vinyl chloride	ug/L	50	47.4	95	59-126	
Xylene (Total)	ug/L	150	160	107	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			105	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84408 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50132719020, 50132719023, 50132719024, 50132719027, 50132719029

METHOD BLANK: 1436444 Matrix: Water
Associated Lab Samples: 50132719020, 50132719023, 50132719024, 50132719027, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/03/15 07:19	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/03/15 07:19	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/03/15 07:19	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/03/15 07:19	
1,1-Dichloroethane	ug/L	ND	5.0	12/03/15 07:19	
1,1-Dichloroethene	ug/L	ND	5.0	12/03/15 07:19	
1,1-Dichloropropene	ug/L	ND	5.0	12/03/15 07:19	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/03/15 07:19	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/03/15 07:19	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/03/15 07:19	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/03/15 07:19	
1,2-Dichloroethane	ug/L	ND	5.0	12/03/15 07:19	
1,2-Dichloropropane	ug/L	ND	5.0	12/03/15 07:19	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/03/15 07:19	
1,3-Dichloropropane	ug/L	ND	5.0	12/03/15 07:19	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/03/15 07:19	
2,2-Dichloropropane	ug/L	ND	5.0	12/03/15 07:19	
2-Butanone (MEK)	ug/L	ND	10.0	12/03/15 07:19	
2-Hexanone	ug/L	ND	10.0	12/03/15 07:19	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/03/15 07:19	
Acetone	ug/L	ND	10.0	12/03/15 07:19	
Acetonitrile	ug/L	ND	100	12/03/15 07:19	
Acrolein	ug/L	ND	50.0	12/03/15 07:19	
Acrylonitrile	ug/L	ND	100	12/03/15 07:19	
Allyl chloride	ug/L	ND	5.0	12/03/15 07:19	N2
Benzene	ug/L	ND	5.0	12/03/15 07:19	
Bromochloromethane	ug/L	ND	5.0	12/03/15 07:19	
Bromodichloromethane	ug/L	ND	5.0	12/03/15 07:19	
Bromoform	ug/L	ND	5.0	12/03/15 07:19	
Bromomethane	ug/L	ND	10.0	12/03/15 07:19	
Carbon disulfide	ug/L	ND	10.0	12/03/15 07:19	
Carbon tetrachloride	ug/L	ND	5.0	12/03/15 07:19	
Chlorobenzene	ug/L	ND	5.0	12/03/15 07:19	
Chloroethane	ug/L	ND	10.0	12/03/15 07:19	
Chloroform	ug/L	ND	5.0	12/03/15 07:19	
Chloromethane	ug/L	ND	10.0	12/03/15 07:19	
Chloroprene	ug/L	ND	100	12/03/15 07:19	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/03/15 07:19	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/03/15 07:19	
Dibromochloromethane	ug/L	ND	5.0	12/03/15 07:19	
Dibromomethane	ug/L	ND	10.0	12/03/15 07:19	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1436444 Matrix: Water
Associated Lab Samples: 50132719020, 50132719023, 50132719024, 50132719027, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	12/03/15 07:19	
Ethyl methacrylate	ug/L	ND	100	12/03/15 07:19	
Ethylbenzene	ug/L	ND	5.0	12/03/15 07:19	
Iodomethane	ug/L	ND	5.0	12/03/15 07:19	
Isobutanol	ug/L	ND	100	12/03/15 07:19	N2
Methacrylonitrile	ug/L	ND	100	12/03/15 07:19	N2
Methyl methacrylate	ug/L	ND	100	12/03/15 07:19	N2
Methylene Chloride	ug/L	ND	5.0	12/03/15 07:19	
Propionitrile	ug/L	ND	100	12/03/15 07:19	N2
Styrene	ug/L	ND	5.0	12/03/15 07:19	
Tetrachloroethene	ug/L	ND	5.0	12/03/15 07:19	
Toluene	ug/L	ND	5.0	12/03/15 07:19	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/03/15 07:19	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/03/15 07:19	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/03/15 07:19	
Trichloroethene	ug/L	ND	5.0	12/03/15 07:19	
Trichlorofluoromethane	ug/L	ND	10.0	12/03/15 07:19	
Vinyl acetate	ug/L	ND	10.0	12/03/15 07:19	
Vinyl chloride	ug/L	ND	2.0	12/03/15 07:19	
Xylene (Total)	ug/L	ND	5.0	12/03/15 07:19	
4-Bromofluorobenzene (S)	%.	98	80-114	12/03/15 07:19	
Dibromofluoromethane (S)	%.	95	79-116	12/03/15 07:19	
Toluene-d8 (S)	%.	103	81-110	12/03/15 07:19	

LABORATORY CONTROL SAMPLE: 1436445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.8	104	61-135	
1,1,1-Trichloroethane	ug/L	50	45.6	91	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.2	96	66-126	
1,1,2-Trichloroethane	ug/L	50	49.3	99	77-130	
1,1-Dichloroethane	ug/L	50	46.0	92	75-130	
1,1-Dichloroethene	ug/L	50	54.5	109	68-127	
1,1-Dichloropropene	ug/L	50	42.9	86	78-130	
1,2,3-Trichloropropane	ug/L	50	45.7	91	58-142	
1,2-Dibromo-3-chloropropane	ug/L	50	49.5	99	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	45.7	91	76-125	
1,2-Dichlorobenzene	ug/L	50	49.7	99	75-123	
1,2-Dichloroethane	ug/L	50	46.3	93	75-128	
1,2-Dichloropropane	ug/L	50	47.1	94	74-121	
1,3-Dichlorobenzene	ug/L	50	50.7	101	74-122	
1,3-Dichloropropane	ug/L	50	45.7	91	74-123	
1,4-Dichlorobenzene	ug/L	50	48.5	97	76-120	
2,2-Dichloropropane	ug/L	50	35.6	71	50-137	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1436445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	250	226	90	58-139	
2-Hexanone	ug/L	250	234	94	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	240	96	58-138	
Acetone	ug/L	250	302	121	49-150	
Acetonitrile	ug/L	50	39.6J	79	50-150	
Acrolein	ug/L	1000	1290	129	41-200	
Acrylonitrile	ug/L	200	183	91	63-137	
Allyl chloride	ug/L	100	84.8	85	70-130	N2
Benzene	ug/L	50	46.3	93	74-122	
Bromochloromethane	ug/L	50	50.9	102	63-132	
Bromodichloromethane	ug/L	50	45.9	92	62-136	
Bromoform	ug/L	50	45.4	91	44-134	
Bromomethane	ug/L	50	118	236	22-181	L3
Carbon disulfide	ug/L	50	60.7	121	59-132	
Carbon tetrachloride	ug/L	50	48.2	96	56-137	
Chlorobenzene	ug/L	50	48.7	97	78-123	
Chloroethane	ug/L	50	52.9	106	60-144	
Chloroform	ug/L	50	45.8	92	78-126	
Chloromethane	ug/L	50	49.0	98	42-134	
Chloroprene	ug/L	50	47.4J	95	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	48.4	97	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.0	92	64-126	
Dibromochloromethane	ug/L	50	47.5	95	58-128	
Dibromomethane	ug/L	50	45.7	91	73-125	
Dichlorodifluoromethane	ug/L	50	44.9	90	35-181	
Ethyl methacrylate	ug/L	200	200	100	69-133	
Ethylbenzene	ug/L	50	50.2	100	66-133	
Iodomethane	ug/L	100	135	135	21-170	
Isobutanol	ug/L	250	807	323	50-150	L3,N2
Methacrylonitrile	ug/L	200	196	98	50-150	N2
Methyl methacrylate	ug/L	50	51.5J	103	70-130	N2
Methylene Chloride	ug/L	50	47.7	95	68-132	
Propionitrile	ug/L	50	ND	86	50-150	N2
Styrene	ug/L	50	50.4	101	74-126	
Tetrachloroethene	ug/L	50	42.7	85	69-130	
Toluene	ug/L	50	50.2	100	72-122	
trans-1,2-Dichloroethene	ug/L	50	49.3	99	72-124	
trans-1,3-Dichloropropene	ug/L	50	46.9	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	183	92	56-133	
Trichloroethene	ug/L	50	46.1	92	76-126	
Trichlorofluoromethane	ug/L	50	53.5	107	76-149	
Vinyl acetate	ug/L	200	184	92	45-151	
Vinyl chloride	ug/L	50	48.3	97	59-126	
Xylene (Total)	ug/L	150	164	110	70-124	
4-Bromofluorobenzene (S)	%.			94	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			104	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1436447

Parameter	Units	50133102001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50.4	101	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	49.7	99	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	48.7	97	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	51.1	102	61-139	
1,1-Dichloroethane	ug/L	ND	50	47.6	95	57-147	
1,1-Dichloroethene	ug/L	ND	50	61.2	122	55-145	
1,1-Dichloropropene	ug/L	ND	50	51.6	103	55-147	
1,2,3-Trichloropropane	ug/L	ND	50	45.6	91	58-133	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50.9	102	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.0	96	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	49.2	98	38-136	
1,2-Dichloroethane	ug/L	ND	50	46.0	92	62-138	
1,2-Dichloropropane	ug/L	ND	50	47.9	96	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	50.2	100	28-141	
1,3-Dichloropropane	ug/L	ND	50	48.3	97	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	48.6	97	30-139	
2,2-Dichloropropane	ug/L	ND	50	15.7	31	37-139	M0
2-Butanone (MEK)	ug/L	ND	250	226	90	37-156	
2-Hexanone	ug/L	ND	250	234	93	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	228	91	46-144	
Acetone	ug/L	ND	250	302	121	39-156	
Acetonitrile	ug/L	ND	50	38.8J	78	50-150	
Acrolein	ug/L	ND	1000	896	90	33-200	
Acrylonitrile	ug/L	ND	200	189	95	48-149	
Allyl chloride	ug/L	ND	100	80.5	80	70-130	N2
Benzene	ug/L	ND	50	49.8	100	62-129	
Bromochloromethane	ug/L	ND	50	50.6	101	49-142	
Bromodichloromethane	ug/L	ND	50	47.2	94	50-142	
Bromoform	ug/L	ND	50	47.6	95	36-125	
Bromomethane	ug/L	ND	50	83.8	168	13-179	
Carbon disulfide	ug/L	ND	50	65.5	131	45-142	
Carbon tetrachloride	ug/L	ND	50	52.2	104	46-142	
Chlorobenzene	ug/L	ND	50	48.8	98	49-136	
Chloroethane	ug/L	ND	50	58.7	117	47-160	
Chloroform	ug/L	ND	50	47.6	95	54-150	
Chloromethane	ug/L	ND	50	48.9	98	30-148	
Chloroprene	ug/L	ND	50	51.1J	102	70-130	N2
cis-1,2-Dichloroethene	ug/L	ND	50	48.1	96	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	42.6	85	52-123	
Dibromochloromethane	ug/L	ND	50	48.0	96	48-125	
Dibromomethane	ug/L	ND	50	45.4	91	59-134	
Dichlorodifluoromethane	ug/L	ND	50	47.6	95	24-197	
Ethyl methacrylate	ug/L	ND	200	193	96	55-139	
Ethylbenzene	ug/L	ND	50	51.0	102	28-153	
Iodomethane	ug/L	ND	100	98.7	99	17-157	
Isobutanol	ug/L	ND	250	44.5J	17	50-150	M0,N2
Methacrylonitrile	ug/L	ND	200	193	96	50-150	N2

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1436447

Parameter	Units	50133102001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methyl methacrylate	ug/L	ND	50	51.7J	103	70-130	N2
Methylene Chloride	ug/L	ND	50	51.1	102	45-156	
Propionitrile	ug/L	ND	50	ND	83	50-150	N2
Styrene	ug/L	ND	50	50.0	100	36-139	
Tetrachloroethene	ug/L	ND	50	49.0	98	33-151	
Toluene	ug/L	ND	50	52.0	104	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	51.1	102	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	42.0	84	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	132	66	32-139	
Trichloroethene	ug/L	ND	50	50.9	102	50-143	
Trichlorofluoromethane	ug/L	ND	50	57.7	115	60-175	
Vinyl acetate	ug/L	ND	200	52.4	26	17-142	
Vinyl chloride	ug/L	ND	50	54.0	108	44-145	
Xylene (Total)	ug/L	ND	150	168	112	29-145	
4-Bromofluorobenzene (S)	%.				95	80-114	
Dibromofluoromethane (S)	%.				99	79-116	
Toluene-d8 (S)	%.				103	81-110	

SAMPLE DUPLICATE: 1436446

Parameter	Units	50133102002 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	
1,1-Dichloropropene	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	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
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	
Acetonitrile	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

SAMPLE DUPLICATE: 1436446

Parameter	Units	50133102002 Result	Dup Result	RPD	Max RPD	Qualifiers
Allyl chloride	ug/L	ND	ND		20	N2
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	
Chloroprene	ug/L	ND	ND		20	N2
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	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isobutanol	ug/L	ND	ND		20	N2
Methacrylonitrile	ug/L	ND	ND		20	N2
Methyl methacrylate	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Propionitrile	ug/L	ND	ND		20	N2
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	100	2		
Dibromofluoromethane (S)	%.	97	97	1		
Toluene-d8 (S)	%.	103	101	2		

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: MSV/84459
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 50132719030

METHOD BLANK: 1437479
Matrix: Water
Associated Lab Samples: 50132719030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/03/15 20:00	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/03/15 20:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/03/15 20:00	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/03/15 20:00	
1,1-Dichloroethane	ug/L	ND	5.0	12/03/15 20:00	
1,1-Dichloroethene	ug/L	ND	5.0	12/03/15 20:00	
1,1-Dichloropropene	ug/L	ND	5.0	12/03/15 20:00	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/03/15 20:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/03/15 20:00	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/03/15 20:00	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/03/15 20:00	
1,2-Dichloroethane	ug/L	ND	5.0	12/03/15 20:00	
1,2-Dichloropropane	ug/L	ND	5.0	12/03/15 20:00	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/03/15 20:00	
1,3-Dichloropropane	ug/L	ND	5.0	12/03/15 20:00	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/03/15 20:00	
2,2-Dichloropropane	ug/L	ND	5.0	12/03/15 20:00	
2-Butanone (MEK)	ug/L	ND	10.0	12/03/15 20:00	
2-Hexanone	ug/L	ND	10.0	12/03/15 20:00	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/03/15 20:00	
Acetone	ug/L	ND	10.0	12/03/15 20:00	
Acetonitrile	ug/L	ND	100	12/03/15 20:00	
Acrolein	ug/L	ND	50.0	12/03/15 20:00	
Acrylonitrile	ug/L	ND	100	12/03/15 20:00	
Allyl chloride	ug/L	ND	5.0	12/03/15 20:00	N2
Benzene	ug/L	ND	5.0	12/03/15 20:00	
Bromochloromethane	ug/L	ND	5.0	12/03/15 20:00	
Bromodichloromethane	ug/L	ND	5.0	12/03/15 20:00	
Bromoform	ug/L	ND	5.0	12/03/15 20:00	
Bromomethane	ug/L	ND	10.0	12/03/15 20:00	
Carbon disulfide	ug/L	ND	10.0	12/03/15 20:00	
Carbon tetrachloride	ug/L	ND	5.0	12/03/15 20:00	
Chlorobenzene	ug/L	ND	5.0	12/03/15 20:00	
Chloroethane	ug/L	ND	10.0	12/03/15 20:00	
Chloroform	ug/L	ND	5.0	12/03/15 20:00	
Chloromethane	ug/L	ND	10.0	12/03/15 20:00	
Chloroprene	ug/L	ND	100	12/03/15 20:00	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/03/15 20:00	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/03/15 20:00	
Dibromochloromethane	ug/L	ND	5.0	12/03/15 20:00	
Dibromomethane	ug/L	ND	10.0	12/03/15 20:00	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1437479 Matrix: Water
Associated Lab Samples: 50132719030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	12/03/15 20:00	
Ethyl methacrylate	ug/L	ND	100	12/03/15 20:00	
Ethylbenzene	ug/L	ND	5.0	12/03/15 20:00	
Iodomethane	ug/L	ND	5.0	12/03/15 20:00	
Isobutanol	ug/L	ND	100	12/03/15 20:00	N2
Methacrylonitrile	ug/L	ND	100	12/03/15 20:00	N2
Methyl methacrylate	ug/L	ND	100	12/03/15 20:00	N2
Methylene Chloride	ug/L	ND	5.0	12/03/15 20:00	
Propionitrile	ug/L	ND	100	12/03/15 20:00	N2
Styrene	ug/L	ND	5.0	12/03/15 20:00	
Tetrachloroethene	ug/L	ND	5.0	12/03/15 20:00	
Toluene	ug/L	ND	5.0	12/03/15 20:00	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/03/15 20:00	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/03/15 20:00	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/03/15 20:00	
Trichloroethene	ug/L	ND	5.0	12/03/15 20:00	
Trichlorofluoromethane	ug/L	ND	10.0	12/03/15 20:00	
Vinyl acetate	ug/L	ND	10.0	12/03/15 20:00	
Vinyl chloride	ug/L	ND	2.0	12/03/15 20:00	
Xylene (Total)	ug/L	ND	5.0	12/03/15 20:00	
4-Bromofluorobenzene (S)	%.	96	80-114	12/03/15 20:00	
Dibromofluoromethane (S)	%.	100	79-116	12/03/15 20:00	
Toluene-d8 (S)	%.	101	81-110	12/03/15 20:00	

LABORATORY CONTROL SAMPLE: 1437480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.0	106	61-135	
1,1,1-Trichloroethane	ug/L	50	48.0	96	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.2	100	66-126	
1,1,2-Trichloroethane	ug/L	50	52.4	105	77-130	
1,1-Dichloroethane	ug/L	50	46.7	93	75-130	
1,1-Dichloroethene	ug/L	50	56.9	114	68-127	
1,1-Dichloropropene	ug/L	50	51.1	102	78-130	
1,2,3-Trichloropropane	ug/L	50	46.9	94	58-142	
1,2-Dibromo-3-chloropropane	ug/L	50	52.0	104	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	48.9	98	76-125	
1,2-Dichlorobenzene	ug/L	50	52.7	105	75-123	
1,2-Dichloroethane	ug/L	50	46.5	93	75-128	
1,2-Dichloropropane	ug/L	50	48.1	96	74-121	
1,3-Dichlorobenzene	ug/L	50	53.5	107	74-122	
1,3-Dichloropropane	ug/L	50	50.3	101	74-123	
1,4-Dichlorobenzene	ug/L	50	51.4	103	76-120	
2,2-Dichloropropane	ug/L	50	48.3	97	50-137	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1437480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	250	226	90	58-139	
2-Hexanone	ug/L	250	237	95	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	237	95	58-138	
Acetone	ug/L	250	272	109	49-150	
Acetonitrile	ug/L	50	42.3J	85	50-150	
Acrolein	ug/L	1000	1380	138	41-200	
Acrylonitrile	ug/L	200	184	92	63-137	
Allyl chloride	ug/L	100	89.0	89	70-130	N2
Benzene	ug/L	50	48.9	98	74-122	
Bromochloromethane	ug/L	50	51.0	102	63-132	
Bromodichloromethane	ug/L	50	47.2	94	62-136	
Bromoform	ug/L	50	47.9	96	44-134	
Bromomethane	ug/L	50	89.1	178	22-181	
Carbon disulfide	ug/L	50	61.1	122	59-132	
Carbon tetrachloride	ug/L	50	50.7	101	56-137	
Chlorobenzene	ug/L	50	50.9	102	78-123	
Chloroethane	ug/L	50	54.6	109	60-144	
Chloroform	ug/L	50	47.3	95	78-126	
Chloromethane	ug/L	50	47.6	95	42-134	
Chloroprene	ug/L	50	49.4J	99	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	47.5	95	75-122	
cis-1,3-Dichloropropene	ug/L	50	53.5	107	64-126	
Dibromochloromethane	ug/L	50	50.1	100	58-128	
Dibromomethane	ug/L	50	45.0	90	73-125	
Dichlorodifluoromethane	ug/L	50	46.6	93	35-181	
Ethyl methacrylate	ug/L	200	201	100	69-133	
Ethylbenzene	ug/L	50	51.6	103	66-133	
Iodomethane	ug/L	100	99.3	99	21-170	
Isobutanol	ug/L	250	907	363	50-150	L3,N2
Methacrylonitrile	ug/L	200	192	96	50-150	N2
Methyl methacrylate	ug/L	50	51.2J	102	70-130	N2
Methylene Chloride	ug/L	50	49.5	99	68-132	
Propionitrile	ug/L	50	39.5J	79	50-150	N2
Styrene	ug/L	50	52.7	105	74-126	
Tetrachloroethene	ug/L	50	50.7	101	69-130	
Toluene	ug/L	50	52.9	106	72-122	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	72-124	
trans-1,3-Dichloropropene	ug/L	50	53.3	107	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	200	100	56-133	
Trichloroethene	ug/L	50	50.4	101	76-126	
Trichlorofluoromethane	ug/L	50	54.0	108	76-149	
Vinyl acetate	ug/L	200	181	90	45-151	
Vinyl chloride	ug/L	50	50.0	100	59-126	
Xylene (Total)	ug/L	150	170	113	70-124	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			98	79-116	
Toluene-d8 (S)	%.			105	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1437482

Parameter	Units	50133110002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50.4	101	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	47.0	94	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	49.9	100	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	50.6	101	61-139	
1,1-Dichloroethane	ug/L	ND	50	46.2	92	57-147	
1,1-Dichloroethene	ug/L	ND	50	56.8	114	55-145	
1,1-Dichloropropene	ug/L	ND	50	49.9	100	55-147	
1,2,3-Trichloropropane	ug/L	ND	50	47.1	94	58-133	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50.7	101	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.2	96	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	49.8	100	38-136	
1,2-Dichloroethane	ug/L	ND	50	44.1	88	62-138	
1,2-Dichloropropane	ug/L	ND	50	45.0	90	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	50.5	101	28-141	
1,3-Dichloropropane	ug/L	ND	50	49.1	98	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	48.1	96	30-139	
2,2-Dichloropropane	ug/L	ND	50	37.7	75	37-139	
2-Butanone (MEK)	ug/L	ND	250	222	89	37-156	
2-Hexanone	ug/L	ND	250	241	96	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	233	93	46-144	
Acetone	ug/L	ND	250	287	115	39-156	
Acetonitrile	ug/L	ND	50	48.1J	96	50-150	
Acrolein	ug/L	ND	1000	1310	131	33-200	
Acrylonitrile	ug/L	ND	200	196	98	48-149	
Allyl chloride	ug/L	ND	100	94.8	95	70-130	N2
Benzene	ug/L	ND	50	48.3	95	62-129	
Bromochloromethane	ug/L	ND	50	49.2	98	49-142	
Bromodichloromethane	ug/L	ND	50	45.3	91	50-142	
Bromoform	ug/L	ND	50	45.5	91	36-125	
Bromomethane	ug/L	ND	50	70.6	141	13-179	
Carbon disulfide	ug/L	ND	50	64.6	129	45-142	
Carbon tetrachloride	ug/L	ND	50	49.6	99	46-142	
Chlorobenzene	ug/L	ND	50	49.0	98	49-136	
Chloroethane	ug/L	ND	50	54.8	110	47-160	
Chloroform	ug/L	ND	50	46.2	92	54-150	
Chloromethane	ug/L	ND	50	46.4	93	30-148	
Chloroprene	ug/L	ND	50	49.7J	99	70-130	N2
cis-1,2-Dichloroethene	ug/L	ND	50	47.1	94	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	49.8	100	52-123	
Dibromochloromethane	ug/L	ND	50	47.0	94	48-125	
Dibromomethane	ug/L	ND	50	44.8	90	59-134	
Dichlorodifluoromethane	ug/L	ND	50	50.3	101	24-197	
Ethyl methacrylate	ug/L	ND	200	197	98	55-139	
Ethylbenzene	ug/L	ND	50	50.6	101	28-153	
Iodomethane	ug/L	ND	100	73.6	74	17-157	
Isobutanol	ug/L	ND	250	47.9J	19	50-150	M0,N2
Methacrylonitrile	ug/L	ND	200	189	94	50-150	N2

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

MATRIX SPIKE SAMPLE: 1437482

Parameter	Units	50133110002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methyl methacrylate	ug/L	ND	50	49.8J	100	70-130	N2
Methylene Chloride	ug/L	ND	50	51.1	102	45-156	
Propionitrile	ug/L	ND	50	41.3J	83	50-150	N2
Styrene	ug/L	ND	50	50.5	101	36-139	
Tetrachloroethene	ug/L	ND	50	49.9	100	33-151	
Toluene	ug/L	ND	50	51.7	103	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	53.7	107	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	48.7	97	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	184	92	32-139	
Trichloroethene	ug/L	ND	50	48.8	98	50-143	
Trichlorofluoromethane	ug/L	ND	50	53.6	107	60-175	
Vinyl acetate	ug/L	ND	200	140	70	17-142	
Vinyl chloride	ug/L	ND	50	50.9	102	44-145	
Xylene (Total)	ug/L	ND	150	166	110	29-145	
4-Bromofluorobenzene (S)	%.				92	80-114	
Dibromofluoromethane (S)	%.				95	79-116	
Toluene-d8 (S)	%.				104	81-110	

SAMPLE DUPLICATE: 1437481

Parameter	Units	50133110005 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	
1,1-Dichloropropene	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	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
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	
Acetonitrile	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

SAMPLE DUPLICATE: 1437481

Parameter	Units	50133110005 Result	Dup Result	RPD	Max RPD	Qualifiers
Allyl chloride	ug/L	ND	ND		20	N2
Benzene	ug/L	121	123	1	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	
Chloroprene	ug/L	ND	ND		20	N2
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	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	41.6	41.2	1	20	
Iodomethane	ug/L	ND	ND		20	
Isobutanol	ug/L	234	168	33	20	N2,R1
Methacrylonitrile	ug/L	ND	ND		20	N2
Methyl methacrylate	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Propionitrile	ug/L	ND	ND		20	N2
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	3.2J		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	15.0	14.2	5	20	
4-Bromofluorobenzene (S)	%.	102	104	2		
Dibromofluoromethane (S)	%.	93	95	1		
Toluene-d8 (S)	%.	103	101	2		

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41571 | Analysis Method: EPA 8081
QC Batch Method: EPA 3510 | Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1428139 | Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	11/19/15 20:24	
4,4'-DDE	ug/L	ND	0.10	11/19/15 20:24	
4,4'-DDT	ug/L	ND	0.10	11/19/15 20:24	
Aldrin	ug/L	ND	0.050	11/19/15 20:24	
alpha-BHC	ug/L	ND	0.050	11/19/15 20:24	
alpha-Chlordane	ug/L	ND	0.50	11/19/15 20:24	
beta-BHC	ug/L	ND	0.050	11/19/15 20:24	
Chlordane (Technical)	ug/L	ND	0.50	11/19/15 20:24	
delta-BHC	ug/L	ND	0.050	11/19/15 20:24	
Dieldrin	ug/L	ND	0.10	11/19/15 20:24	
Endosulfan I	ug/L	ND	0.050	11/19/15 20:24	
Endosulfan II	ug/L	ND	0.10	11/19/15 20:24	
Endosulfan sulfate	ug/L	ND	0.10	11/19/15 20:24	
Endrin	ug/L	ND	0.10	11/19/15 20:24	
Endrin aldehyde	ug/L	ND	0.10	11/19/15 20:24	
gamma-BHC (Lindane)	ug/L	ND	0.050	11/19/15 20:24	
gamma-Chlordane	ug/L	ND	0.50	11/19/15 20:24	
Heptachlor	ug/L	ND	0.050	11/19/15 20:24	
Heptachlor epoxide	ug/L	ND	0.050	11/19/15 20:24	
Methoxychlor	ug/L	ND	0.50	11/19/15 20:24	
Toxaphene	ug/L	ND	1.0	11/19/15 20:24	
Decachlorobiphenyl (S)	%.	59	10-128	11/19/15 20:24	

LABORATORY CONTROL SAMPLE: 1428140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.38	94	71-139	
4,4'-DDE	ug/L	.4	0.34	86	55-139	
4,4'-DDT	ug/L	.4	0.28	69	60-146	
Aldrin	ug/L	.2	.048J	24	10-107	
alpha-BHC	ug/L	.2	0.17	87	67-132	
alpha-Chlordane	ug/L	.2	.16J	80	59-131	
beta-BHC	ug/L	.2	0.20	99	72-140	
delta-BHC	ug/L	.2	0.19	93	72-144	
Dieldrin	ug/L	.4	0.38	95	71-142	
Endosulfan I	ug/L	.2	0.18	92	70-133	
Endosulfan II	ug/L	.4	0.39	98	72-142	
Endosulfan sulfate	ug/L	.4	0.37	92	70-138	
Endrin	ug/L	.4	0.37	92	70-137	
Endrin aldehyde	ug/L	.4	0.36	89	66-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1428140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.2	0.18	88	68-132	
gamma-Chlordane	ug/L	.2	.15J	75	51-133	
Heptachlor	ug/L	.2	0.081	41	14-120	
Heptachlor epoxide	ug/L	.2	0.18	91	69-134	
Methoxychlor	ug/L	2	1.4	72	56-143	
Decachlorobiphenyl (S)	%.			59	10-128	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41588 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008

METHOD BLANK: 1429531 Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	11/22/15 17:48	
4,4'-DDE	ug/L	ND	0.10	11/22/15 17:48	
4,4'-DDT	ug/L	ND	0.10	11/22/15 17:48	
Aldrin	ug/L	ND	0.050	11/22/15 17:48	
alpha-BHC	ug/L	ND	0.050	11/22/15 17:48	
alpha-Chlordane	ug/L	ND	0.50	11/22/15 17:48	
beta-BHC	ug/L	ND	0.050	11/22/15 17:48	
Chlordane (Technical)	ug/L	ND	0.50	11/22/15 17:48	
delta-BHC	ug/L	ND	0.050	11/22/15 17:48	
Dieldrin	ug/L	ND	0.10	11/22/15 17:48	
Endosulfan I	ug/L	ND	0.050	11/22/15 17:48	
Endosulfan II	ug/L	ND	0.10	11/22/15 17:48	
Endosulfan sulfate	ug/L	ND	0.10	11/22/15 17:48	
Endrin	ug/L	ND	0.10	11/22/15 17:48	
Endrin aldehyde	ug/L	ND	0.10	11/22/15 17:48	
gamma-BHC (Lindane)	ug/L	ND	0.050	11/22/15 17:48	
gamma-Chlordane	ug/L	ND	0.50	11/22/15 17:48	
Heptachlor	ug/L	ND	0.050	11/22/15 17:48	
Heptachlor epoxide	ug/L	ND	0.050	11/22/15 17:48	
Methoxychlor	ug/L	ND	0.50	11/22/15 17:48	
Toxaphene	ug/L	ND	1.0	11/22/15 17:48	
Decachlorobiphenyl (S)	%.	60	10-128	11/22/15 17:48	

LABORATORY CONTROL SAMPLE: 1429532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.43	108	71-139	
4,4'-DDE	ug/L	.4	0.42	105	55-139	
4,4'-DDT	ug/L	.4	0.37	93	60-146	
Aldrin	ug/L	.2	0.070	35	10-107	
alpha-BHC	ug/L	.2	0.20	102	67-132	
alpha-Chlordane	ug/L	.2	.2J	100	59-131	
beta-BHC	ug/L	.2	0.22	110	72-140	
delta-BHC	ug/L	.2	0.21	105	72-144	
Dieldrin	ug/L	.4	0.43	108	71-142	
Endosulfan I	ug/L	.2	0.21	104	70-133	
Endosulfan II	ug/L	.4	0.43	107	72-142	
Endosulfan sulfate	ug/L	.4	0.39	97	70-138	
Endrin	ug/L	.4	0.41	101	70-137	
Endrin aldehyde	ug/L	.4	0.35	89	66-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1429532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.2	0.20	100	68-132	
gamma-Chlordane	ug/L	.2	.2J	99	51-133	
Heptachlor	ug/L	.2	0.11	56	14-120	
Heptachlor epoxide	ug/L	.2	0.21	104	69-134	
Methoxychlor	ug/L	2	1.8	88	56-143	
Decachlorobiphenyl (S)	%.			65	10-128	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41597 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

METHOD BLANK: 1431039 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	12/07/15 18:48	
4,4'-DDE	ug/L	ND	0.10	12/07/15 18:48	
4,4'-DDT	ug/L	ND	0.10	12/07/15 18:48	
Aldrin	ug/L	ND	0.050	12/07/15 18:48	
alpha-BHC	ug/L	ND	0.050	12/07/15 18:48	
alpha-Chlordane	ug/L	ND	0.50	12/07/15 18:48	
beta-BHC	ug/L	ND	0.050	12/07/15 18:48	
Chlordane (Technical)	ug/L	ND	0.50	12/07/15 18:48	
delta-BHC	ug/L	ND	0.050	12/07/15 18:48	
Dieldrin	ug/L	ND	0.10	12/07/15 18:48	
Endosulfan I	ug/L	ND	0.050	12/07/15 18:48	
Endosulfan II	ug/L	ND	0.10	12/07/15 18:48	
Endosulfan sulfate	ug/L	ND	0.10	12/07/15 18:48	
Endrin	ug/L	ND	0.10	12/07/15 18:48	
Endrin aldehyde	ug/L	ND	0.10	12/07/15 18:48	
gamma-BHC (Lindane)	ug/L	ND	0.050	12/07/15 18:48	
gamma-Chlordane	ug/L	ND	0.50	12/07/15 18:48	
Heptachlor	ug/L	ND	0.050	12/07/15 18:48	
Heptachlor epoxide	ug/L	ND	0.050	12/07/15 18:48	
Methoxychlor	ug/L	ND	0.50	12/07/15 18:48	
Toxaphene	ug/L	ND	1.0	12/07/15 18:48	
Decachlorobiphenyl (S)	%.	51	10-128	12/07/15 18:48	

LABORATORY CONTROL SAMPLE: 1431040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.45	113	71-139	
4,4'-DDE	ug/L	.4	0.39	98	55-139	
4,4'-DDT	ug/L	.4	0.45	112	60-146	
Aldrin	ug/L	.2	0.060	30	10-107	
alpha-BHC	ug/L	.2	0.21	105	67-132	
alpha-Chlordane	ug/L	.2	.18J	88	59-131	
beta-BHC	ug/L	.2	0.23	113	72-140	
delta-BHC	ug/L	.2	0.23	114	72-144	
Dieldrin	ug/L	.4	0.44	110	71-142	
Endosulfan I	ug/L	.2	0.21	106	70-133	
Endosulfan II	ug/L	.4	0.46	114	72-142	
Endosulfan sulfate	ug/L	.4	0.45	112	70-138	
Endrin	ug/L	.4	0.45	112	70-137	
Endrin aldehyde	ug/L	.4	0.42	106	66-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1431040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.2	0.22	108	68-132	
gamma-Chlordane	ug/L	.2	.16J	80	51-133	
Heptachlor	ug/L	.2	0.095	48	14-120	
Heptachlor epoxide	ug/L	.2	0.21	104	69-134	
Methoxychlor	ug/L	2	2.2	110	56-143	
Decachlorobiphenyl (S)	%.			59	10-128	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41625 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 50132719023, 50132719024, 50132719025

METHOD BLANK: 1431921 Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	12/07/15 21:06	
4,4'-DDE	ug/L	ND	0.10	12/07/15 21:06	
4,4'-DDT	ug/L	ND	0.10	12/07/15 21:06	
Aldrin	ug/L	ND	0.050	12/07/15 21:06	
alpha-BHC	ug/L	ND	0.050	12/07/15 21:06	
alpha-Chlordane	ug/L	ND	0.50	12/07/15 21:06	
beta-BHC	ug/L	ND	0.050	12/07/15 21:06	
Chlordane (Technical)	ug/L	ND	0.50	12/07/15 21:06	
delta-BHC	ug/L	ND	0.050	12/07/15 21:06	
Dieldrin	ug/L	ND	0.10	12/07/15 21:06	
Endosulfan I	ug/L	ND	0.050	12/07/15 21:06	
Endosulfan II	ug/L	ND	0.10	12/07/15 21:06	
Endosulfan sulfate	ug/L	ND	0.10	12/07/15 21:06	
Endrin	ug/L	ND	0.10	12/07/15 21:06	
Endrin aldehyde	ug/L	ND	0.10	12/07/15 21:06	
gamma-BHC (Lindane)	ug/L	ND	0.050	12/07/15 21:06	
gamma-Chlordane	ug/L	ND	0.50	12/07/15 21:06	
Heptachlor	ug/L	ND	0.050	12/07/15 21:06	
Heptachlor epoxide	ug/L	ND	0.050	12/07/15 21:06	
Methoxychlor	ug/L	ND	0.50	12/07/15 21:06	
Toxaphene	ug/L	ND	1.0	12/07/15 21:06	
Decachlorobiphenyl (S)	%.	54	10-128	12/07/15 21:06	

LABORATORY CONTROL SAMPLE: 1431922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.44	109	71-139	
4,4'-DDE	ug/L	.4	0.40	100	55-139	
4,4'-DDT	ug/L	.4	0.45	112	60-146	
Aldrin	ug/L	.2	0.051	26	10-107	
alpha-BHC	ug/L	.2	0.22	109	67-132	
alpha-Chlordane	ug/L	.2	.18J	90	59-131	
beta-BHC	ug/L	.2	0.23	113	72-140	
delta-BHC	ug/L	.2	0.23	113	72-144	
Dieldrin	ug/L	.4	0.44	109	71-142	
Endosulfan I	ug/L	.2	0.21	105	70-133	
Endosulfan II	ug/L	.4	0.44	110	72-142	
Endosulfan sulfate	ug/L	.4	0.43	108	70-138	
Endrin	ug/L	.4	0.43	109	70-137	
Endrin aldehyde	ug/L	.4	0.42	105	66-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1431922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.2	0.22	111	68-132	
gamma-Chlordane	ug/L	.2	.17J	87	51-133	
Heptachlor	ug/L	.2	0.086	43	14-120	
Heptachlor epoxide	ug/L	.2	0.21	104	69-134	
Methoxychlor	ug/L	2	2.1	106	56-143	
Decachlorobiphenyl (S)	%.			40	10-128	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41677 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 50132719027, 50132719028, 50132719029

METHOD BLANK: 1435159 Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	12/03/15 20:46	
4,4'-DDE	ug/L	ND	0.10	12/03/15 20:46	
4,4'-DDT	ug/L	ND	0.10	12/03/15 20:46	
Aldrin	ug/L	ND	0.050	12/03/15 20:46	
alpha-BHC	ug/L	ND	0.050	12/03/15 20:46	
alpha-Chlordane	ug/L	ND	0.50	12/03/15 20:46	
beta-BHC	ug/L	ND	0.050	12/03/15 20:46	
Chlordane (Technical)	ug/L	ND	0.50	12/03/15 20:46	
delta-BHC	ug/L	ND	0.050	12/03/15 20:46	
Dieldrin	ug/L	ND	0.10	12/03/15 20:46	
Endosulfan I	ug/L	ND	0.050	12/03/15 20:46	
Endosulfan II	ug/L	ND	0.10	12/03/15 20:46	
Endosulfan sulfate	ug/L	ND	0.10	12/03/15 20:46	
Endrin	ug/L	ND	0.10	12/03/15 20:46	
Endrin aldehyde	ug/L	ND	0.10	12/03/15 20:46	
gamma-BHC (Lindane)	ug/L	ND	0.050	12/03/15 20:46	
gamma-Chlordane	ug/L	ND	0.50	12/03/15 20:46	
Heptachlor	ug/L	ND	0.050	12/03/15 20:46	
Heptachlor epoxide	ug/L	ND	0.050	12/03/15 20:46	
Methoxychlor	ug/L	ND	0.50	12/03/15 20:46	
Toxaphene	ug/L	ND	1.0	12/03/15 20:46	
Decachlorobiphenyl (S)	%.	59	10-128	12/03/15 20:46	

LABORATORY CONTROL SAMPLE: 1435160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.40	101	71-139	
4,4'-DDE	ug/L	.4	0.37	93	55-139	
4,4'-DDT	ug/L	.4	0.45	112	60-146	
Aldrin	ug/L	.2	0.070	35	10-107	
alpha-BHC	ug/L	.2	0.19	96	67-132	
alpha-Chlordane	ug/L	.2	.18J	88	59-131	
beta-BHC	ug/L	.2	0.21	106	72-140	
delta-BHC	ug/L	.2	0.20	102	72-144	
Dieldrin	ug/L	.4	0.39	98	71-142	
Endosulfan I	ug/L	.2	0.19	96	70-133	
Endosulfan II	ug/L	.4	0.39	98	72-142	
Endosulfan sulfate	ug/L	.4	0.39	98	70-138	
Endrin	ug/L	.4	0.40	100	70-137	
Endrin aldehyde	ug/L	.4	0.37	94	66-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1435160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.2	0.20	98	68-132	
gamma-Chlordane	ug/L	.2	.17J	84	51-133	
Heptachlor	ug/L	.2	0.11	53	14-120	
Heptachlor epoxide	ug/L	.2	0.19	96	69-134	
Methoxychlor	ug/L	2	2.1	106	56-143	
Decachlorobiphenyl (S)	%.			55	10-128	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41570 — Analysis Method: EPA 8082
QC Batch Method: EPA 3510 — Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1428137 — Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	11/23/15 11:58	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.20	11/23/15 11:58	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	11/23/15 11:58	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	11/23/15 11:58	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	11/23/15 11:58	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	11/23/15 11:58	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	11/23/15 11:58	
Tetrachloro-m-xylene (S)	%.	49	32-115	11/23/15 11:58	

LABORATORY CONTROL SAMPLE: 1428138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	1	0.92	92	62-146	
PCB-1260 (Aroclor 1260)	ug/L	1	0.90	90	67-146	
Tetrachloro-m-xylene (S)	%.			51	32-115	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41587 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008, 50132719009

METHOD BLANK: 1429521 Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008, 50132719009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	11/23/15 09:40	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.20	11/23/15 09:40	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	11/23/15 09:40	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	11/23/15 09:40	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	11/23/15 09:40	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	11/23/15 09:40	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	11/23/15 09:40	
Tetrachloro-m-xylene (S)	%.	57	32-115	11/23/15 09:40	

LABORATORY CONTROL SAMPLE: 1429522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	1	1.0	100	62-146	
PCB-1260 (Aroclor 1260)	ug/L	1	0.84	84	67-146	
Tetrachloro-m-xylene (S)	%.			65	32-115	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41596 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

METHOD BLANK: 1431037 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	11/23/15 16:41	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.20	11/23/15 16:41	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	11/23/15 16:41	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	11/23/15 16:41	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	11/23/15 16:41	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	11/23/15 16:41	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	11/23/15 16:41	
Tetrachloro-m-xylene (S)	%.	68	32-115	11/23/15 16:41	

LABORATORY CONTROL SAMPLE: 1431038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	1	0.75	75	62-146	
PCB-1260 (Aroclor 1260)	ug/L	1	0.77	77	67-146	
Tetrachloro-m-xylene (S)	%.			43	32-115	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41624 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 50132719023, 50132719024, 50132719025

METHOD BLANK: 1431919 Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	11/24/15 13:14	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.20	11/24/15 13:14	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	11/24/15 13:14	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	11/24/15 13:14	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	11/24/15 13:14	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	11/24/15 13:14	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	11/24/15 13:14	
Tetrachloro-m-xylene (S)	%.	65	32-115	11/24/15 13:14	

LABORATORY CONTROL SAMPLE: 1431920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	1	0.95	95	62-146	
PCB-1260 (Aroclor 1260)	ug/L	1	0.93	93	67-146	
Tetrachloro-m-xylene (S)	%.			66	32-115	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41678 — Analysis Method: EPA 8082
QC Batch Method: EPA 3510 — Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 50132719027, 50132719028, 50132719029

METHOD BLANK: 1435161 — Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	12/02/15 15:26	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.20	12/02/15 15:26	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	12/02/15 15:26	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	12/02/15 15:26	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	12/02/15 15:26	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	12/02/15 15:26	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	12/02/15 15:26	
Tetrachloro-m-xylene (S)	%.	70	32-115	12/02/15 15:26	

LABORATORY CONTROL SAMPLE: 1435162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	1	0.88	88	62-146	
PCB-1260 (Aroclor 1260)	ug/L	1	0.60	60	67-146	1d
Tetrachloro-m-xylene (S)	%.			73	32-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435163 — 1435164

Parameter	Units	50133271001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	ND	2	2	2.0	1.9	100	96	50-173	4	25	
PCB-1260 (Aroclor 1260)	ug/L	ND	2	2	1.9	1.8	93	92	53-158	0	25	
Tetrachloro-m-xylene (S)	%.						74	81	32-115			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435165 — 1435166

Parameter	Units	50133372001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	ND	2.1	2.1	2.5	2.4	117	113	50-173	3	25	
PCB-1260 (Aroclor 1260)	ug/L	ND	2.1	2.1	1.8	1.7	84	82	53-158	3	25	
Tetrachloro-m-xylene (S)	%.						90	84	32-115			

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41563 | Analysis Method: EPA 8151
QC Batch Method: EPA 8151 | Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1428100 | Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	ND	1.0	11/19/15 19:29	
2,4,5-TP (Silvex)	ug/L	ND	1.0	11/19/15 19:29	
2,4-D	ug/L	ND	1.0	11/19/15 19:29	
2,4-DCAA (S)	%.	73	24-210	11/19/15 19:29	

LABORATORY CONTROL SAMPLE: 1428101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2.5	2.4	97	55-141	
2,4,5-TP (Silvex)	ug/L	2.5	2.4	97	58-126	
2,4-D	ug/L	2.5	2.5	99	55-133	
2,4-DCAA (S)	%.			64	24-210	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41607 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

METHOD BLANK: 1431201 Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	ND	1.0	11/24/15 17:38	
2,4,5-TP (Silvex)	ug/L	ND	1.0	11/24/15 17:38	
2,4-D	ug/L	ND	1.0	11/24/15 17:38	
2,4-DCAA (S)	%.	97	24-210	11/24/15 17:38	

LABORATORY CONTROL SAMPLE: 1431202

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2.5	2.5	98	55-141	
2,4,5-TP (Silvex)	ug/L	2.5	2.5	99	58-126	
2,4-D	ug/L	2.5	2.6	104	55-133	
2,4-DCAA (S)	%.			113	24-210	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41645 — Analysis Method: EPA 8151
QC Batch Method: EPA 8151 — Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

METHOD BLANK: 1434174 — Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	ND	1.0	12/01/15 17:21	
2,4,5-TP (Silvex)	ug/L	ND	1.0	12/01/15 17:21	
2,4-D	ug/L	ND	1.0	12/01/15 17:21	
2,4-DCAA (S)	%.	98	24-210	12/01/15 17:21	

LABORATORY CONTROL SAMPLE: 1434175

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2.5	2.4	96	55-141	
2,4,5-TP (Silvex)	ug/L	2.5	2.4	97	58-126	
2,4-D	ug/L	2.5	2.6	103	55-133	
2,4-DCAA (S)	%.			77	24-210	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41583 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719009

METHOD BLANK: 1429396 Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	11/24/15 13:00	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	11/24/15 13:00	
1,3,5-Trinitrobenzene	ug/L	ND	20.0	11/24/15 13:00	
1,3-Dinitrobenzene	ug/L	ND	50.0	11/24/15 13:00	
1,4-Naphthoquinone	ug/L	ND	50.0	11/24/15 13:00	
1-Naphthalenamine	ug/L	ND	50.0	11/24/15 13:00	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	11/24/15 13:00	
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/24/15 13:00	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/24/15 13:00	
2,4-Dichlorophenol	ug/L	ND	10.0	11/24/15 13:00	
2,4-Dimethylphenol	ug/L	ND	10.0	11/24/15 13:00	
2,4-Dinitrophenol	ug/L	ND	50.0	11/24/15 13:00	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/24/15 13:00	
2,6-Dichlorophenol	ug/L	ND	10.0	11/24/15 13:00	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/24/15 13:00	
2-Acetylaminofluorene	ug/L	ND	10.0	11/24/15 13:00	
2-Chloronaphthalene	ug/L	ND	10.0	11/24/15 13:00	
2-Chlorophenol	ug/L	ND	10.0	11/24/15 13:00	
2-Methylnaphthalene	ug/L	ND	10.0	11/24/15 13:00	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/24/15 13:00	
2-Naphthalenamine	ug/L	ND	10.0	11/24/15 13:00	
2-Nitroaniline	ug/L	ND	50.0	11/24/15 13:00	
2-Nitrophenol	ug/L	ND	10.0	11/24/15 13:00	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	11/24/15 13:00	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	11/24/15 13:00	
3,3'-Dimethylbenzidine	ug/L	ND	20.0	11/24/15 13:00	
3-Methylcholanthrene	ug/L	ND	10.0	11/24/15 13:00	
3-Nitroaniline	ug/L	ND	50.0	11/24/15 13:00	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	11/24/15 13:00	
4-Aminobiphenyl	ug/L	ND	10.0	11/24/15 13:00	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/24/15 13:00	
4-Chloro-3-methylphenol	ug/L	ND	10.0	11/24/15 13:00	
4-Chloroaniline	ug/L	ND	10.0	11/24/15 13:00	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/24/15 13:00	
4-Nitroaniline	ug/L	ND	50.0	11/24/15 13:00	
4-Nitrophenol	ug/L	ND	50.0	11/24/15 13:00	
5-Nitro-o-toluidine	ug/L	ND	10.0	11/24/15 13:00	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	20.0	11/24/15 13:00	
Acenaphthene	ug/L	ND	10.0	11/24/15 13:00	
Acenaphthylene	ug/L	ND	10.0	11/24/15 13:00	
Acetophenone	ug/L	ND	10.0	11/24/15 13:00	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1429396 Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	ND	10.0	11/24/15 13:00	
Benzo(a)anthracene	ug/L	ND	10.0	11/24/15 13:00	
Benzo(a)pyrene	ug/L	ND	10.0	11/24/15 13:00	
Benzo(b)fluoranthene	ug/L	ND	10.0	11/24/15 13:00	
Benzo(g,h,i)perylene	ug/L	ND	10.0	11/24/15 13:00	
Benzo(k)fluoranthene	ug/L	ND	10.0	11/24/15 13:00	
Benzyl alcohol	ug/L	ND	10.0	11/24/15 13:00	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/24/15 13:00	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/24/15 13:00	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	11/24/15 13:00	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	11/24/15 13:00	
Butylbenzylphthalate	ug/L	ND	10.0	11/24/15 13:00	
Chlorobenzilate	ug/L	ND	10.0	11/24/15 13:00	
Chrysene	ug/L	ND	10.0	11/24/15 13:00	
Di-n-butylphthalate	ug/L	ND	10.0	11/24/15 13:00	
Di-n-octylphthalate	ug/L	ND	10.0	11/24/15 13:00	
Diallate	ug/L	ND	10.0	11/24/15 13:00	
Dibenz(a,h)anthracene	ug/L	ND	10.0	11/24/15 13:00	
Dibenzofuran	ug/L	ND	10.0	11/24/15 13:00	
Diethylphthalate	ug/L	ND	10.0	11/24/15 13:00	
Dimethoate	ug/L	ND	10.0	11/24/15 13:00	
Dimethylphthalate	ug/L	ND	10.0	11/24/15 13:00	
Dinoseb	ug/L	ND	10.0	11/24/15 13:00	
Diphenylamine	ug/L	ND	10.0	11/24/15 13:00	
Disulfoton	ug/L	ND	10.0	11/24/15 13:00	
Ethyl methanesulfonate	ug/L	ND	10.0	11/24/15 13:00	
Famphur	ug/L	ND	200	11/24/15 13:00	
Fluoranthene	ug/L	ND	10.0	11/24/15 13:00	
Fluorene	ug/L	ND	10.0	11/24/15 13:00	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	11/24/15 13:00	
Hexachlorobenzene	ug/L	ND	10.0	11/24/15 13:00	
Hexachlorocyclopentadiene	ug/L	ND	10.0	11/24/15 13:00	
Hexachloroethane	ug/L	ND	10.0	11/24/15 13:00	
Hexachloropropene	ug/L	ND	10.0	11/24/15 13:00	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	11/24/15 13:00	
Isodrin	ug/L	ND	10.0	11/24/15 13:00	
Isophorone	ug/L	ND	10.0	11/24/15 13:00	
Isosafrole	ug/L	ND	10.0	11/24/15 13:00	
Kepone	ug/L	ND	200	11/24/15 13:00	
Methapyrilene	ug/L	ND	10.0	11/24/15 13:00	
Methyl methanesulfonate	ug/L	ND	10.0	11/24/15 13:00	
Methyl parathion	ug/L	ND	10.0	11/24/15 13:00	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	11/24/15 13:00	
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	11/24/15 13:00	
N-Nitrosodiethylamine	ug/L	ND	10.0	11/24/15 13:00	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1429396 Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitrosodimethylamine	ug/L	ND	10.0	11/24/15 13:00	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/24/15 13:00	
N-Nitrosomethylethylamine	ug/L	ND	10.0	11/24/15 13:00	
N-Nitrosopiperidine	ug/L	ND	10.0	11/24/15 13:00	
N-Nitrosopyrrolidine	ug/L	ND	10.0	11/24/15 13:00	
Naphthalene	ug/L	ND	10.0	11/24/15 13:00	
Nitrobenzene	ug/L	ND	10.0	11/24/15 13:00	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	11/24/15 13:00	
O-Toluidine	ug/L	ND	10.0	11/24/15 13:00	
P-Dimethylaminoazobenzene	ug/L	ND	10.0	11/24/15 13:00	
p-Phenylenediamine	ug/L	ND	20.0	11/24/15 13:00	
Parathion (Ethyl parathion)	ug/L	ND	10.0	11/24/15 13:00	
Pentachlorobenzene	ug/L	ND	10.0	11/24/15 13:00	
Pentachloronitrobenzene	ug/L	ND	10.0	11/24/15 13:00	
Pentachlorophenol	ug/L	ND	50.0	11/24/15 13:00	
Phenacetin	ug/L	ND	10.0	11/24/15 13:00	
Phenanthrene	ug/L	ND	10.0	11/24/15 13:00	
Phenol	ug/L	ND	10.0	11/24/15 13:00	
Phorate	ug/L	ND	10.0	11/24/15 13:00	
Pronamide	ug/L	ND	10.0	11/24/15 13:00	
Pyrene	ug/L	ND	10.0	11/24/15 13:00	
Safrole	ug/L	ND	10.0	11/24/15 13:00	
Thionazin	ug/L	ND	10.0	11/24/15 13:00	
2,4,6-Tribromophenol (S)	%.	100	29-158	11/24/15 13:00	
2-Fluorobiphenyl (S)	%.	87	33-114	11/24/15 13:00	
2-Fluorophenol (S)	%.	56	11-79	11/24/15 13:00	
Nitrobenzene-d5 (S)	%.	90	38-124	11/24/15 13:00	
p-Terphenyl-d14 (S)	%.	93	10-113	11/24/15 13:00	
Phenol-d5 (S)	%.	37	10-58	11/24/15 13:00	

LABORATORY CONTROL SAMPLE: 1429397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	100	91.4	91	27-128	
1,2,4-Trichlorobenzene	ug/L	100	61.0	61	15-121	
1,3-Dinitrobenzene	ug/L	100	123	123	10-200	
2,3,4,6-Tetrachlorophenol	ug/L	100	144	144	55-167	
2,4,5-Trichlorophenol	ug/L	100	110	110	54-154	
2,4,6-Trichlorophenol	ug/L	100	113	113	54-158	
2,4-Dichlorophenol	ug/L	100	99.8	100	49-137	
2,4-Dimethylphenol	ug/L	100	90.1	90	40-125	
2,4-Dinitrophenol	ug/L	100	101	101	10-175	
2,4-Dinitrotoluene	ug/L	100	112	112	41-163	
2,6-Dinitrotoluene	ug/L	100	113	113	61-158	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1429397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	100	95.0	95	37-124	
2-Chlorophenol	ug/L	100	82.9	83	30-119	
2-Methylnaphthalene	ug/L	100	72.3	72	32-117	
2-Methylphenol(o-Cresol)	ug/L	100	74.9	75	32-101	
2-Nitroaniline	ug/L	100	111	111	70-153	
2-Nitrophenol	ug/L	100	108	108	51-149	
3&4-Methylphenol(m&p Cresol)	ug/L	100	67.7	68	31-93	
3,3'-Dichlorobenzidine	ug/L	100	113	113	60-158	
3-Nitroaniline	ug/L	100	104	104	50-140	
4,6-Dinitro-2-methylphenol	ug/L	100	120	120	36-178	
4-Bromophenylphenyl ether	ug/L	100	120	120	51-172	
4-Chloro-3-methylphenol	ug/L	100	92.2	92	32-142	
4-Chloroaniline	ug/L	100	76.8	77	45-120	
4-Chlorophenylphenyl ether	ug/L	100	107	107	50-142	
4-Nitroaniline	ug/L	100	103	103	49-147	
4-Nitrophenol	ug/L	100	47.6J	48	10-103	
Acenaphthene	ug/L	100	102	102	40-136	
Acenaphthylene	ug/L	100	103	103	42-139	
Acetophenone	ug/L	100	95.0	95	32-138	
Anthracene	ug/L	100	117	117	56-155	
Benzo(a)anthracene	ug/L	100	114	114	54-157	
Benzo(a)pyrene	ug/L	100	122	122	51-170	
Benzo(b)fluoranthene	ug/L	100	122	122	52-172	
Benzo(g,h,i)perylene	ug/L	100	118	118	33-173	
Benzo(k)fluoranthene	ug/L	100	122	122	52-167	
Benzyl alcohol	ug/L	100	79.7	80	24-86	
bis(2-Chloroethoxy)methane	ug/L	100	93.7	94	57-131	
bis(2-Chloroethyl) ether	ug/L	100	96.6	97	55-123	
bis(2-Chloroisopropyl) ether	ug/L	100	84.2	84	46-124	
bis(2-Ethylhexyl)phthalate	ug/L	100	123	123	69-168	
Butylbenzylphthalate	ug/L	100	122	122	67-168	
Chrysene	ug/L	100	114	114	55-158	
Di-n-butylphthalate	ug/L	100	115	115	58-159	
Di-n-octylphthalate	ug/L	100	129	129	63-176	
Dibenz(a,h)anthracene	ug/L	100	124	124	46-179	
Dibenzofuran	ug/L	100	105	105	44-138	
Diethylphthalate	ug/L	100	117	117	56-149	
Dimethylphthalate	ug/L	100	111	111	56-146	
Fluoranthene	ug/L	100	116	116	58-157	
Fluorene	ug/L	100	108	108	46-148	
Hexachloro-1,3-butadiene	ug/L	100	54.0	54	10-123	
Hexachlorobenzene	ug/L	100	127	127	63-157	
Hexachlorocyclopentadiene	ug/L	100	55.0	55	10-114	
Hexachloroethane	ug/L	100	55.5	55	14-102	
Indeno(1,2,3-cd)pyrene	ug/L	100	121	121	48-174	
Isophorone	ug/L	100	100	100	59-134	
N-Nitroso-di-n-propylamine	ug/L	100	90.7	91	40-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1429397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitrosodimethylamine	ug/L	100	60.9	61	10-200	
N-Nitrosodiphenylamine	ug/L	100	120	120	64-142	
Naphthalene	ug/L	100	75.3	75	38-113	
Nitrobenzene	ug/L	100	101	101	61-138	
Pentachlorophenol	ug/L	100	107	107	27-177	
Phenanthrene	ug/L	100	120	120	57-154	
Phenol	ug/L	100	42.1	42	11-61	
Pyrene	ug/L	100	122	122	53-160	
2,4,6-Tribromophenol (S)	%.			111	29-158	
2-Fluorobiphenyl (S)	%.			99	33-114	
2-Fluorophenol (S)	%.			60	11-79	
Nitrobenzene-d5 (S)	%.			97	38-124	
p-Terphenyl-d14 (S)	%.			90	10-113	
Phenol-d5 (S)	%.			41	10-58	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41602 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

METHOD BLANK: 1431063 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	11/24/15 18:18	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	11/24/15 18:18	
1,3,5-Trinitrobenzene	ug/L	ND	20.0	11/24/15 18:18	
1,3-Dinitrobenzene	ug/L	ND	50.0	11/24/15 18:18	
1,4-Naphthoquinone	ug/L	ND	50.0	11/24/15 18:18	
1-Naphthalenamine	ug/L	ND	50.0	11/24/15 18:18	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	11/24/15 18:18	
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/24/15 18:18	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/24/15 18:18	
2,4-Dichlorophenol	ug/L	ND	10.0	11/24/15 18:18	
2,4-Dimethylphenol	ug/L	ND	10.0	11/24/15 18:18	
2,4-Dinitrophenol	ug/L	ND	50.0	11/24/15 18:18	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/24/15 18:18	
2,6-Dichlorophenol	ug/L	ND	10.0	11/24/15 18:18	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/24/15 18:18	
2-Acetylaminofluorene	ug/L	ND	10.0	11/24/15 18:18	
2-Chloronaphthalene	ug/L	ND	10.0	11/24/15 18:18	
2-Chlorophenol	ug/L	ND	10.0	11/24/15 18:18	
2-Methylnaphthalene	ug/L	ND	10.0	11/24/15 18:18	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/24/15 18:18	
2-Naphthalenamine	ug/L	ND	10.0	11/24/15 18:18	
2-Nitroaniline	ug/L	ND	50.0	11/24/15 18:18	
2-Nitrophenol	ug/L	ND	10.0	11/24/15 18:18	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	11/24/15 18:18	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	11/24/15 18:18	
3,3'-Dimethylbenzidine	ug/L	ND	20.0	11/24/15 18:18	
3-Methylcholanthrene	ug/L	ND	10.0	11/24/15 18:18	
3-Nitroaniline	ug/L	ND	50.0	11/24/15 18:18	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	11/24/15 18:18	
4-Aminobiphenyl	ug/L	ND	10.0	11/24/15 18:18	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/24/15 18:18	
4-Chloro-3-methylphenol	ug/L	ND	10.0	11/24/15 18:18	
4-Chloroaniline	ug/L	ND	10.0	11/24/15 18:18	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/24/15 18:18	
4-Nitroaniline	ug/L	ND	50.0	11/24/15 18:18	
4-Nitrophenol	ug/L	ND	50.0	11/24/15 18:18	
5-Nitro-o-toluidine	ug/L	ND	10.0	11/24/15 18:18	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	20.0	11/24/15 18:18	
Acenaphthene	ug/L	ND	10.0	11/24/15 18:18	
Acenaphthylene	ug/L	ND	10.0	11/24/15 18:18	
Acetophenone	ug/L	ND	10.0	11/24/15 18:18	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1431063 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	ND	10.0	11/24/15 18:18	
Benzo(a)anthracene	ug/L	ND	10.0	11/24/15 18:18	
Benzo(a)pyrene	ug/L	ND	10.0	11/24/15 18:18	
Benzo(b)fluoranthene	ug/L	ND	10.0	11/24/15 18:18	
Benzo(g,h,i)perylene	ug/L	ND	10.0	11/24/15 18:18	
Benzo(k)fluoranthene	ug/L	ND	10.0	11/24/15 18:18	
Benzyl alcohol	ug/L	ND	10.0	11/24/15 18:18	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/24/15 18:18	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/24/15 18:18	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	11/24/15 18:18	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	11/24/15 18:18	
Butylbenzylphthalate	ug/L	ND	10.0	11/24/15 18:18	
Chlorobenzilate	ug/L	ND	10.0	11/24/15 18:18	
Chrysene	ug/L	ND	10.0	11/24/15 18:18	
Di-n-butylphthalate	ug/L	ND	10.0	11/24/15 18:18	
Di-n-octylphthalate	ug/L	ND	10.0	11/24/15 18:18	
Diallate	ug/L	ND	10.0	11/24/15 18:18	
Dibenz(a,h)anthracene	ug/L	ND	10.0	11/24/15 18:18	
Dibenzofuran	ug/L	ND	10.0	11/24/15 18:18	
Diethylphthalate	ug/L	ND	10.0	11/24/15 18:18	
Dimethoate	ug/L	ND	10.0	11/24/15 18:18	
Dimethylphthalate	ug/L	ND	10.0	11/24/15 18:18	
Dinoseb	ug/L	ND	10.0	11/24/15 18:18	
Diphenylamine	ug/L	ND	10.0	11/24/15 18:18	
Disulfoton	ug/L	ND	10.0	11/24/15 18:18	
Ethyl methanesulfonate	ug/L	ND	10.0	11/24/15 18:18	
Famphur	ug/L	ND	200	11/24/15 18:18	
Fluoranthene	ug/L	ND	10.0	11/24/15 18:18	
Fluorene	ug/L	ND	10.0	11/24/15 18:18	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	11/24/15 18:18	
Hexachlorobenzene	ug/L	ND	10.0	11/24/15 18:18	
Hexachlorocyclopentadiene	ug/L	ND	10.0	11/24/15 18:18	
Hexachloroethane	ug/L	ND	10.0	11/24/15 18:18	
Hexachloropropene	ug/L	ND	10.0	11/24/15 18:18	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	11/24/15 18:18	
Isodrin	ug/L	ND	10.0	11/24/15 18:18	
Isophorone	ug/L	ND	10.0	11/24/15 18:18	
Isosafrole	ug/L	ND	10.0	11/24/15 18:18	
Kepone	ug/L	ND	200	11/24/15 18:18	
Methapyrilene	ug/L	ND	10.0	11/24/15 18:18	
Methyl methanesulfonate	ug/L	ND	10.0	11/24/15 18:18	
Methyl parathion	ug/L	ND	10.0	11/24/15 18:18	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	11/24/15 18:18	
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	11/24/15 18:18	
N-Nitrosodiethylamine	ug/L	ND	10.0	11/24/15 18:18	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1431063 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitrosodimethylamine	ug/L	ND	10.0	11/24/15 18:18	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/24/15 18:18	
N-Nitrosomethylethylamine	ug/L	ND	10.0	11/24/15 18:18	
N-Nitrosopiperidine	ug/L	ND	10.0	11/24/15 18:18	
N-Nitrosopyrrolidine	ug/L	ND	10.0	11/24/15 18:18	
Naphthalene	ug/L	ND	10.0	11/24/15 18:18	
Nitrobenzene	ug/L	ND	10.0	11/24/15 18:18	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	11/24/15 18:18	
O-Toluidine	ug/L	ND	10.0	11/24/15 18:18	
P-Dimethylaminoazobenzene	ug/L	ND	10.0	11/24/15 18:18	
p-Phenylenediamine	ug/L	ND	20.0	11/24/15 18:18	
Parathion (Ethyl parathion)	ug/L	ND	10.0	11/24/15 18:18	
Pentachlorobenzene	ug/L	ND	10.0	11/24/15 18:18	
Pentachloronitrobenzene	ug/L	ND	10.0	11/24/15 18:18	
Pentachlorophenol	ug/L	ND	50.0	11/24/15 18:18	
Phenacetin	ug/L	ND	10.0	11/24/15 18:18	
Phenanthrene	ug/L	ND	10.0	11/24/15 18:18	
Phenol	ug/L	ND	10.0	11/24/15 18:18	
Phorate	ug/L	ND	10.0	11/24/15 18:18	
Pronamide	ug/L	ND	10.0	11/24/15 18:18	
Pyrene	ug/L	ND	10.0	11/24/15 18:18	
Safrole	ug/L	ND	10.0	11/24/15 18:18	
Thionazin	ug/L	ND	10.0	11/24/15 18:18	
2,4,6-Tribromophenol (S)	%.	93	29-158	11/24/15 18:18	
2-Fluorobiphenyl (S)	%.	76	33-114	11/24/15 18:18	
2-Fluorophenol (S)	%.	46	11-79	11/24/15 18:18	
Nitrobenzene-d5 (S)	%.	87	38-124	11/24/15 18:18	
p-Terphenyl-d14 (S)	%.	99	10-113	11/24/15 18:18	
Phenol-d5 (S)	%.	30	10-58	11/24/15 18:18	

LABORATORY CONTROL SAMPLE: 1431064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	100	80.7	81	27-128	
1,2,4-Trichlorobenzene	ug/L	100	70.4	70	15-121	
1,3-Dinitrobenzene	ug/L	100	150	150	10-200	E
2,3,4,6-Tetrachlorophenol	ug/L	100	178	178	55-167	E,L3
2,4,5-Trichlorophenol	ug/L	100	127	127	54-154	
2,4,6-Trichlorophenol	ug/L	100	129	129	54-158	
2,4-Dichlorophenol	ug/L	100	112	112	49-137	
2,4-Dimethylphenol	ug/L	100	99.3	99	40-125	
2,4-Dinitrophenol	ug/L	100	112	112	10-175	
2,4-Dinitrotoluene	ug/L	100	141	141	41-163	
2,6-Dinitrotoluene	ug/L	100	144	144	61-158	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1431064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	100	93.3	93	37-124	
2-Chlorophenol	ug/L	100	89.0	89	30-119	
2-Methylnaphthalene	ug/L	100	73.7	74	32-117	
2-Methylphenol(o-Cresol)	ug/L	100	80.3	80	32-101	
2-Nitroaniline	ug/L	100	138	138	70-153	
2-Nitrophenol	ug/L	100	121	121	51-149	
3&4-Methylphenol(m&p Cresol)	ug/L	100	73.9	74	31-93	
3,3'-Dichlorobenzidine	ug/L	100	127	127	60-158	
3-Nitroaniline	ug/L	100	130	130	50-140	
4,6-Dinitro-2-methylphenol	ug/L	100	125	125	36-178	
4-Bromophenylphenyl ether	ug/L	100	127	127	51-172	
4-Chloro-3-methylphenol	ug/L	100	109	109	32-142	
4-Chloroaniline	ug/L	100	88.6	89	45-120	
4-Chlorophenylphenyl ether	ug/L	100	120	120	50-142	
4-Nitroaniline	ug/L	100	135	135	49-147	
4-Nitrophenol	ug/L	100	52.7	53	10-103	
Acenaphthene	ug/L	100	103	103	40-136	
Acenaphthylene	ug/L	100	106	106	42-139	
Acetophenone	ug/L	100	104	104	32-138	
Anthracene	ug/L	100	133	133	56-155	
Benzo(a)anthracene	ug/L	100	129	129	54-157	
Benzo(a)pyrene	ug/L	100	140	140	51-170	
Benzo(b)fluoranthene	ug/L	100	140	140	52-172	
Benzo(g,h,i)perylene	ug/L	100	144	144	33-173	
Benzo(k)fluoranthene	ug/L	100	141	141	52-167	
Benzyl alcohol	ug/L	100	89.3	89	24-86	L3
bis(2-Chloroethoxy)methane	ug/L	100	108	108	57-131	
bis(2-Chloroethyl) ether	ug/L	100	99.9	100	55-123	
bis(2-Chloroisopropyl) ether	ug/L	100	88.8	89	46-124	
bis(2-Ethylhexyl)phthalate	ug/L	100	139	139	69-168	
Butylbenzylphthalate	ug/L	100	138	138	67-168	
Chrysene	ug/L	100	129	129	55-158	
Di-n-butylphthalate	ug/L	100	132	132	58-159	
Di-n-octylphthalate	ug/L	100	149	149	63-176	
Dibenz(a,h)anthracene	ug/L	100	140	140	46-179	
Dibenzofuran	ug/L	100	115	115	44-138	
Diethylphthalate	ug/L	100	138	138	56-149	
Dimethylphthalate	ug/L	100	131	131	56-146	
Fluoranthene	ug/L	100	140	140	58-157	
Fluorene	ug/L	100	120	120	46-148	
Hexachloro-1,3-butadiene	ug/L	100	66.5	66	10-123	
Hexachlorobenzene	ug/L	100	134	134	63-157	
Hexachlorocyclopentadiene	ug/L	100	49.1	49	10-114	
Hexachloroethane	ug/L	100	59.8	60	14-102	
Indeno(1,2,3-cd)pyrene	ug/L	100	141	141	48-174	
Isophorone	ug/L	100	116	116	59-134	
N-Nitroso-di-n-propylamine	ug/L	100	101	101	40-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1431064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitrosodimethylamine	ug/L	100	69.4	69	10-200	
N-Nitrosodiphenylamine	ug/L	100	130	130	64-142	
Naphthalene	ug/L	100	81.1	81	38-113	
Nitrobenzene	ug/L	100	111	111	61-138	
Pentachlorophenol	ug/L	100	114	114	27-177	
Phenanthrene	ug/L	100	133	133	57-154	
Phenol	ug/L	100	43.7	44	11-61	
Pyrene	ug/L	100	132	132	53-160	
2,4,6-Tribromophenol (S)	%.			109	29-158	
2-Fluorobiphenyl (S)	%.			92	33-114	
2-Fluorophenol (S)	%.			58	11-79	
Nitrobenzene-d5 (S)	%.			93	38-124	
p-Terphenyl-d14 (S)	%.			105	10-113	
Phenol-d5 (S)	%.			37	10-58	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41623 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 50132719023, 50132719024, 50132719025

METHOD BLANK: 1431917 Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	11/25/15 17:22	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	11/25/15 17:22	
1,3,5-Trinitrobenzene	ug/L	ND	20.0	11/25/15 17:22	
1,3-Dinitrobenzene	ug/L	ND	50.0	11/25/15 17:22	
1,4-Naphthoquinone	ug/L	ND	50.0	11/25/15 17:22	
1-Naphthalenamine	ug/L	ND	50.0	11/25/15 17:22	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	11/25/15 17:22	
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/25/15 17:22	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/25/15 17:22	
2,4-Dichlorophenol	ug/L	ND	10.0	11/25/15 17:22	
2,4-Dimethylphenol	ug/L	ND	10.0	11/25/15 17:22	
2,4-Dinitrophenol	ug/L	ND	50.0	11/25/15 17:22	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/25/15 17:22	
2,6-Dichlorophenol	ug/L	ND	10.0	11/25/15 17:22	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/25/15 17:22	
2-Acetylaminofluorene	ug/L	ND	10.0	11/25/15 17:22	
2-Chloronaphthalene	ug/L	ND	10.0	11/25/15 17:22	
2-Chlorophenol	ug/L	ND	10.0	11/25/15 17:22	
2-Methylnaphthalene	ug/L	ND	10.0	11/25/15 17:22	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/25/15 17:22	
2-Naphthalenamine	ug/L	ND	10.0	11/25/15 17:22	
2-Nitroaniline	ug/L	ND	50.0	11/25/15 17:22	
2-Nitrophenol	ug/L	ND	10.0	11/25/15 17:22	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	11/25/15 17:22	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	11/25/15 17:22	
3,3'-Dimethylbenzidine	ug/L	ND	20.0	11/25/15 17:22	
3-Methylcholanthrene	ug/L	ND	10.0	11/25/15 17:22	
3-Nitroaniline	ug/L	ND	50.0	11/25/15 17:22	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	11/25/15 17:22	
4-Aminobiphenyl	ug/L	ND	10.0	11/25/15 17:22	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/25/15 17:22	
4-Chloro-3-methylphenol	ug/L	ND	10.0	11/25/15 17:22	
4-Chloroaniline	ug/L	ND	10.0	11/25/15 17:22	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/25/15 17:22	
4-Nitroaniline	ug/L	ND	50.0	11/25/15 17:22	
4-Nitrophenol	ug/L	ND	50.0	11/25/15 17:22	
5-Nitro-o-toluidine	ug/L	ND	10.0	11/25/15 17:22	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	20.0	11/25/15 17:22	
Acenaphthene	ug/L	ND	10.0	11/25/15 17:22	
Acenaphthylene	ug/L	ND	10.0	11/25/15 17:22	
Acetophenone	ug/L	ND	10.0	11/25/15 17:22	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1431917 Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	ND	10.0	11/25/15 17:22	
Benzo(a)anthracene	ug/L	ND	10.0	11/25/15 17:22	
Benzo(a)pyrene	ug/L	ND	10.0	11/25/15 17:22	
Benzo(b)fluoranthene	ug/L	ND	10.0	11/25/15 17:22	
Benzo(g,h,i)perylene	ug/L	ND	10.0	11/25/15 17:22	
Benzo(k)fluoranthene	ug/L	ND	10.0	11/25/15 17:22	
Benzyl alcohol	ug/L	ND	10.0	11/25/15 17:22	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/25/15 17:22	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/25/15 17:22	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	11/25/15 17:22	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	11/25/15 17:22	
Butylbenzylphthalate	ug/L	ND	10.0	11/25/15 17:22	
Chlorobenzilate	ug/L	ND	10.0	11/25/15 17:22	
Chrysene	ug/L	ND	10.0	11/25/15 17:22	
Di-n-butylphthalate	ug/L	ND	10.0	11/25/15 17:22	
Di-n-octylphthalate	ug/L	ND	10.0	11/25/15 17:22	
Diallate	ug/L	ND	10.0	11/25/15 17:22	
Dibenz(a,h)anthracene	ug/L	ND	10.0	11/25/15 17:22	
Dibenzofuran	ug/L	ND	10.0	11/25/15 17:22	
Diethylphthalate	ug/L	ND	10.0	11/25/15 17:22	
Dimethoate	ug/L	ND	10.0	11/25/15 17:22	
Dimethylphthalate	ug/L	ND	10.0	11/25/15 17:22	
Dinoseb	ug/L	ND	10.0	11/25/15 17:22	
Diphenylamine	ug/L	ND	10.0	11/25/15 17:22	
Disulfoton	ug/L	ND	10.0	11/25/15 17:22	
Ethyl methanesulfonate	ug/L	ND	10.0	11/25/15 17:22	
Famphur	ug/L	ND	200	11/25/15 17:22	
Fluoranthene	ug/L	ND	10.0	11/25/15 17:22	
Fluorene	ug/L	ND	10.0	11/25/15 17:22	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	11/25/15 17:22	
Hexachlorobenzene	ug/L	ND	10.0	11/25/15 17:22	
Hexachlorocyclopentadiene	ug/L	ND	10.0	11/25/15 17:22	
Hexachloroethane	ug/L	ND	10.0	11/25/15 17:22	
Hexachloropropene	ug/L	ND	10.0	11/25/15 17:22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	11/25/15 17:22	
Isodrin	ug/L	ND	10.0	11/25/15 17:22	
Isophorone	ug/L	ND	10.0	11/25/15 17:22	
Isosafrole	ug/L	ND	10.0	11/25/15 17:22	
Kepone	ug/L	ND	200	11/25/15 17:22	
Methapyrilene	ug/L	ND	10.0	11/25/15 17:22	
Methyl methanesulfonate	ug/L	ND	10.0	11/25/15 17:22	
Methyl parathion	ug/L	ND	10.0	11/25/15 17:22	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	11/25/15 17:22	
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	11/25/15 17:22	
N-Nitrosodiethylamine	ug/L	ND	10.0	11/25/15 17:22	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1431917 Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitrosodimethylamine	ug/L	ND	10.0	11/25/15 17:22	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/25/15 17:22	
N-Nitrosomethylethylamine	ug/L	ND	10.0	11/25/15 17:22	
N-Nitrosopiperidine	ug/L	ND	10.0	11/25/15 17:22	
N-Nitrosopyrrolidine	ug/L	ND	10.0	11/25/15 17:22	
Naphthalene	ug/L	ND	10.0	11/25/15 17:22	
Nitrobenzene	ug/L	ND	10.0	11/25/15 17:22	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	11/25/15 17:22	
O-Toluidine	ug/L	ND	10.0	11/25/15 17:22	
P-Dimethylaminoazobenzene	ug/L	ND	10.0	11/25/15 17:22	
p-Phenylenediamine	ug/L	ND	20.0	11/25/15 17:22	
Parathion (Ethyl parathion)	ug/L	ND	10.0	11/25/15 17:22	
Pentachlorobenzene	ug/L	ND	10.0	11/25/15 17:22	
Pentachloronitrobenzene	ug/L	ND	10.0	11/25/15 17:22	
Pentachlorophenol	ug/L	ND	50.0	11/25/15 17:22	
Phenacetin	ug/L	ND	10.0	11/25/15 17:22	
Phenanthrene	ug/L	ND	10.0	11/25/15 17:22	
Phenol	ug/L	ND	10.0	11/25/15 17:22	
Phorate	ug/L	ND	10.0	11/25/15 17:22	
Pronamide	ug/L	ND	10.0	11/25/15 17:22	
Pyrene	ug/L	ND	10.0	11/25/15 17:22	
Safrole	ug/L	ND	10.0	11/25/15 17:22	
Thionazin	ug/L	ND	10.0	11/25/15 17:22	
2,4,6-Tribromophenol (S)	%.	102	29-158	11/25/15 17:22	
2-Fluorobiphenyl (S)	%.	102	33-114	11/25/15 17:22	
2-Fluorophenol (S)	%.	53	11-79	11/25/15 17:22	
Nitrobenzene-d5 (S)	%.	106	38-124	11/25/15 17:22	
p-Terphenyl-d14 (S)	%.	72	10-113	11/25/15 17:22	
Phenol-d5 (S)	%.	39	10-58	11/25/15 17:22	

LABORATORY CONTROL SAMPLE: 1431918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	100	93.5	94	27-128	
1,2,4-Trichlorobenzene	ug/L	100	70.3	70	15-121	
1,3-Dinitrobenzene	ug/L	100	119	119	10-200	
2,3,4,6-Tetrachlorophenol	ug/L	100	118	118	55-167	
2,4,5-Trichlorophenol	ug/L	100	88.1	88	54-154	
2,4,6-Trichlorophenol	ug/L	100	87.0	87	54-158	
2,4-Dichlorophenol	ug/L	100	78.5	78	49-137	
2,4-Dimethylphenol	ug/L	100	75.4	75	40-125	
2,4-Dinitrophenol	ug/L	100	47.1J	47	10-175	
2,4-Dinitrotoluene	ug/L	100	114	114	41-163	
2,6-Dinitrotoluene	ug/L	100	116	116	61-158	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1431918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	100	98.5	99	37-124	
2-Chlorophenol	ug/L	100	69.4	69	30-119	
2-Methylnaphthalene	ug/L	100	82.1	82	32-117	
2-Methylphenol(o-Cresol)	ug/L	100	62.8	63	32-101	
2-Nitroaniline	ug/L	100	121	121	70-153	
2-Nitrophenol	ug/L	100	85.2	85	51-149	
3&4-Methylphenol(m&p Cresol)	ug/L	100	58.9	59	31-93	
3,3'-Dichlorobenzidine	ug/L	100	120	120	60-158	
3-Nitroaniline	ug/L	100	93.5	94	50-140	
4,6-Dinitro-2-methylphenol	ug/L	100	80.7	81	36-178	
4-Bromophenylphenyl ether	ug/L	100	117	117	51-172	
4-Chloro-3-methylphenol	ug/L	100	74.8	75	32-142	
4-Chloroaniline	ug/L	100	73.2	73	45-120	
4-Chlorophenylphenyl ether	ug/L	100	108	108	50-142	
4-Nitroaniline	ug/L	100	107	107	49-147	
4-Nitrophenol	ug/L	100	35.1J	35	10-103	
Acenaphthene	ug/L	100	107	107	40-136	
Acenaphthylene	ug/L	100	108	108	42-139	
Acetophenone	ug/L	100	109	109	32-138	
Anthracene	ug/L	100	119	119	56-155	
Benzo(a)anthracene	ug/L	100	116	116	54-157	
Benzo(a)pyrene	ug/L	100	126	126	51-170	
Benzo(b)fluoranthene	ug/L	100	126	126	52-172	
Benzo(g,h,i)perylene	ug/L	100	148	148	33-173	
Benzo(k)fluoranthene	ug/L	100	118	118	52-167	
Benzyl alcohol	ug/L	100	77.2	77	24-86	
bis(2-Chloroethoxy)methane	ug/L	100	102	102	57-131	
bis(2-Chloroethyl) ether	ug/L	100	106	106	55-123	
bis(2-Chloroisopropyl) ether	ug/L	100	106	106	46-124	
bis(2-Ethylhexyl)phthalate	ug/L	100	120	120	69-168	
Butylbenzylphthalate	ug/L	100	125	125	67-168	
Chrysene	ug/L	100	117	117	55-158	
Di-n-butylphthalate	ug/L	100	111	111	58-159	
Di-n-octylphthalate	ug/L	100	122	122	63-176	
Dibenz(a,h)anthracene	ug/L	100	135	135	46-179	
Dibenzofuran	ug/L	100	108	108	44-138	
Diethylphthalate	ug/L	100	101	101	56-149	
Dimethylphthalate	ug/L	100	103	103	56-146	
Fluoranthene	ug/L	100	108	108	58-157	
Fluorene	ug/L	100	106	106	46-148	
Hexachloro-1,3-butadiene	ug/L	100	61.6	62	10-123	
Hexachlorobenzene	ug/L	100	118	118	63-157	
Hexachlorocyclopentadiene	ug/L	100	61.3	61	10-114	
Hexachloroethane	ug/L	100	66.7	67	14-102	
Indeno(1,2,3-cd)pyrene	ug/L	100	137	137	48-174	
Isophorone	ug/L	100	108	108	59-134	
N-Nitroso-di-n-propylamine	ug/L	100	105	105	40-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1431918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitrosodimethylamine	ug/L	100	59.6	60	10-200	
N-Nitrosodiphenylamine	ug/L	100	118	118	64-142	
Naphthalene	ug/L	100	86.9	87	38-113	
Nitrobenzene	ug/L	100	111	111	61-138	
Pentachlorophenol	ug/L	100	93.1	93	27-177	
Phenanthrene	ug/L	100	118	118	57-154	
Phenol	ug/L	100	37.9	38	11-61	
Pyrene	ug/L	100	115	115	53-160	
2,4,6-Tribromophenol (S)	%.			92	29-158	
2-Fluorobiphenyl (S)	%.			95	33-114	
2-Fluorophenol (S)	%.			46	11-79	
Nitrobenzene-d5 (S)	%.			97	38-124	
p-Terphenyl-d14 (S)	%.			49	10-113	
Phenol-d5 (S)	%.			35	10-58	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: OEXT/41654 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 50132719027, 50132719028, 50132719029

METHOD BLANK: 1434215 Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	12/01/15 17:42	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	12/01/15 17:42	
1,3,5-Trinitrobenzene	ug/L	ND	20.0	12/01/15 17:42	
1,3-Dinitrobenzene	ug/L	ND	50.0	12/01/15 17:42	
1,4-Naphthoquinone	ug/L	ND	50.0	12/01/15 17:42	
1-Naphthalenamine	ug/L	ND	50.0	12/01/15 17:42	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	12/01/15 17:42	
2,4,5-Trichlorophenol	ug/L	ND	10.0	12/01/15 17:42	
2,4,6-Trichlorophenol	ug/L	ND	10.0	12/01/15 17:42	
2,4-Dichlorophenol	ug/L	ND	10.0	12/01/15 17:42	
2,4-Dimethylphenol	ug/L	ND	10.0	12/01/15 17:42	
2,4-Dinitrophenol	ug/L	ND	50.0	12/01/15 17:42	
2,4-Dinitrotoluene	ug/L	ND	10.0	12/01/15 17:42	
2,6-Dichlorophenol	ug/L	ND	10.0	12/01/15 17:42	
2,6-Dinitrotoluene	ug/L	ND	10.0	12/01/15 17:42	
2-Acetylaminofluorene	ug/L	ND	10.0	12/01/15 17:42	
2-Chloronaphthalene	ug/L	ND	10.0	12/01/15 17:42	
2-Chlorophenol	ug/L	ND	10.0	12/01/15 17:42	
2-Methylnaphthalene	ug/L	ND	10.0	12/01/15 17:42	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	12/01/15 17:42	
2-Naphthalenamine	ug/L	ND	10.0	12/01/15 17:42	
2-Nitroaniline	ug/L	ND	50.0	12/01/15 17:42	
2-Nitrophenol	ug/L	ND	10.0	12/01/15 17:42	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	12/01/15 17:42	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	12/01/15 17:42	
3,3'-Dimethylbenzidine	ug/L	ND	20.0	12/01/15 17:42	
3-Methylcholanthrene	ug/L	ND	10.0	12/01/15 17:42	
3-Nitroaniline	ug/L	ND	50.0	12/01/15 17:42	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	12/01/15 17:42	
4-Aminobiphenyl	ug/L	ND	10.0	12/01/15 17:42	
4-Bromophenylphenyl ether	ug/L	ND	10.0	12/01/15 17:42	
4-Chloro-3-methylphenol	ug/L	ND	10.0	12/01/15 17:42	
4-Chloroaniline	ug/L	ND	10.0	12/01/15 17:42	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	12/01/15 17:42	
4-Nitroaniline	ug/L	ND	50.0	12/01/15 17:42	
4-Nitrophenol	ug/L	ND	50.0	12/01/15 17:42	
5-Nitro-o-toluidine	ug/L	ND	10.0	12/01/15 17:42	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	20.0	12/01/15 17:42	
Acenaphthene	ug/L	ND	10.0	12/01/15 17:42	
Acenaphthylene	ug/L	ND	10.0	12/01/15 17:42	
Acetophenone	ug/L	ND	10.0	12/01/15 17:42	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1434215 Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	ND	10.0	12/01/15 17:42	
Benzo(a)anthracene	ug/L	ND	10.0	12/01/15 17:42	
Benzo(a)pyrene	ug/L	ND	10.0	12/01/15 17:42	
Benzo(b)fluoranthene	ug/L	ND	10.0	12/01/15 17:42	
Benzo(g,h,i)perylene	ug/L	ND	10.0	12/01/15 17:42	
Benzo(k)fluoranthene	ug/L	ND	10.0	12/01/15 17:42	
Benzyl alcohol	ug/L	ND	10.0	12/01/15 17:42	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	12/01/15 17:42	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	12/01/15 17:42	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	12/01/15 17:42	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	12/01/15 17:42	
Butylbenzylphthalate	ug/L	ND	10.0	12/01/15 17:42	
Chlorobenzilate	ug/L	ND	10.0	12/01/15 17:42	
Chrysene	ug/L	ND	10.0	12/01/15 17:42	
Di-n-butylphthalate	ug/L	ND	10.0	12/01/15 17:42	
Di-n-octylphthalate	ug/L	ND	10.0	12/01/15 17:42	
Diallate	ug/L	ND	10.0	12/01/15 17:42	
Dibenz(a,h)anthracene	ug/L	ND	10.0	12/01/15 17:42	
Dibenzofuran	ug/L	ND	10.0	12/01/15 17:42	
Diethylphthalate	ug/L	ND	10.0	12/01/15 17:42	
Dimethoate	ug/L	ND	10.0	12/01/15 17:42	
Dimethylphthalate	ug/L	ND	10.0	12/01/15 17:42	
Dinoseb	ug/L	ND	10.0	12/01/15 17:42	
Diphenylamine	ug/L	ND	10.0	12/01/15 17:42	
Disulfoton	ug/L	ND	10.0	12/01/15 17:42	
Ethyl methanesulfonate	ug/L	ND	10.0	12/01/15 17:42	
Famphur	ug/L	ND	200	12/01/15 17:42	
Fluoranthene	ug/L	ND	10.0	12/01/15 17:42	
Fluorene	ug/L	ND	10.0	12/01/15 17:42	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	12/01/15 17:42	
Hexachlorobenzene	ug/L	ND	10.0	12/01/15 17:42	
Hexachlorocyclopentadiene	ug/L	ND	10.0	12/01/15 17:42	
Hexachloroethane	ug/L	ND	10.0	12/01/15 17:42	
Hexachloropropene	ug/L	ND	10.0	12/01/15 17:42	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	12/01/15 17:42	
Isodrin	ug/L	ND	10.0	12/01/15 17:42	
Isophorone	ug/L	ND	10.0	12/01/15 17:42	
Isosafrole	ug/L	ND	10.0	12/01/15 17:42	
Kepone	ug/L	ND	200	12/01/15 17:42	
Methapyrilene	ug/L	ND	10.0	12/01/15 17:42	
Methyl methanesulfonate	ug/L	ND	10.0	12/01/15 17:42	
Methyl parathion	ug/L	ND	10.0	12/01/15 17:42	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	12/01/15 17:42	
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	12/01/15 17:42	
N-Nitrosodiethylamine	ug/L	ND	10.0	12/01/15 17:42	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

METHOD BLANK: 1434215 Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitrosodimethylamine	ug/L	ND	10.0	12/01/15 17:42	
N-Nitrosodiphenylamine	ug/L	ND	10.0	12/01/15 17:42	
N-Nitrosomethylethylamine	ug/L	ND	10.0	12/01/15 17:42	
N-Nitrosopiperidine	ug/L	ND	10.0	12/01/15 17:42	
N-Nitrosopyrrolidine	ug/L	ND	10.0	12/01/15 17:42	
Naphthalene	ug/L	ND	10.0	12/01/15 17:42	
Nitrobenzene	ug/L	ND	10.0	12/01/15 17:42	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	12/01/15 17:42	
O-Toluidine	ug/L	ND	10.0	12/01/15 17:42	
P-Dimethylaminoazobenzene	ug/L	ND	10.0	12/01/15 17:42	
p-Phenylenediamine	ug/L	ND	20.0	12/01/15 17:42	
Parathion (Ethyl parathion)	ug/L	ND	10.0	12/01/15 17:42	
Pentachlorobenzene	ug/L	ND	10.0	12/01/15 17:42	
Pentachloronitrobenzene	ug/L	ND	10.0	12/01/15 17:42	
Pentachlorophenol	ug/L	ND	50.0	12/01/15 17:42	
Phenacetin	ug/L	ND	10.0	12/01/15 17:42	
Phenanthrene	ug/L	ND	10.0	12/01/15 17:42	
Phenol	ug/L	ND	10.0	12/01/15 17:42	
Phorate	ug/L	ND	10.0	12/01/15 17:42	
Pronamide	ug/L	ND	10.0	12/01/15 17:42	
Pyrene	ug/L	ND	10.0	12/01/15 17:42	
Safrole	ug/L	ND	10.0	12/01/15 17:42	
Thionazin	ug/L	ND	10.0	12/01/15 17:42	
2,4,6-Tribromophenol (S)	%.	82	29-158	12/01/15 17:42	
2-Fluorobiphenyl (S)	%.	67	33-114	12/01/15 17:42	
2-Fluorophenol (S)	%.	45	11-79	12/01/15 17:42	
Nitrobenzene-d5 (S)	%.	76	38-124	12/01/15 17:42	
p-Terphenyl-d14 (S)	%.	77	10-113	12/01/15 17:42	
Phenol-d5 (S)	%.	28	10-58	12/01/15 17:42	

LABORATORY CONTROL SAMPLE: 1434216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	100	52.3	52	27-128	
1,2,4-Trichlorobenzene	ug/L	100	42.4	42	15-121	
1,3-Dinitrobenzene	ug/L	100	105	105	10-200	
2,3,4,6-Tetrachlorophenol	ug/L	100	127	127	55-167	
2,4,5-Trichlorophenol	ug/L	100	93.8	94	54-154	
2,4,6-Trichlorophenol	ug/L	100	90.7	91	54-158	
2,4-Dichlorophenol	ug/L	100	82.1	82	49-137	
2,4-Dimethylphenol	ug/L	100	68.0	68	40-125	
2,4-Dinitrophenol	ug/L	100	84.6	85	10-175	
2,4-Dinitrotoluene	ug/L	100	92.6	93	41-163	
2,6-Dinitrotoluene	ug/L	100	95.5	95	61-158	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1434216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	100	58.5	59	37-124	
2-Chlorophenol	ug/L	100	66.9	67	30-119	
2-Methylnaphthalene	ug/L	100	46.7	47	32-117	
2-Methylphenol(o-Cresol)	ug/L	100	62.3	62	32-101	
2-Nitroaniline	ug/L	100	94.1	94	70-153	
2-Nitrophenol	ug/L	100	83.2	83	51-149	
3&4-Methylphenol(m&p Cresol)	ug/L	100	57.6	58	31-93	
3,3'-Dichlorobenzidine	ug/L	100	91.0	91	60-158	
3-Nitroaniline	ug/L	100	82.6	83	50-140	
4,6-Dinitro-2-methylphenol	ug/L	100	97.1	97	36-178	
4-Bromophenylphenyl ether	ug/L	100	92.6	93	51-172	
4-Chloro-3-methylphenol	ug/L	100	80.9	81	32-142	
4-Chloroaniline	ug/L	100	60.9	61	45-120	
4-Chlorophenylphenyl ether	ug/L	100	82.6	83	50-142	
4-Nitroaniline	ug/L	100	94.7	95	49-147	
4-Nitrophenol	ug/L	100	42.8J	43	10-103	
Acenaphthene	ug/L	100	67.9	68	40-136	
Acenaphthylene	ug/L	100	71.4	71	42-139	
Acetophenone	ug/L	100	78.9	79	32-138	
Anthracene	ug/L	100	100	100	56-155	
Benzo(a)anthracene	ug/L	100	99.4	99	54-157	
Benzo(a)pyrene	ug/L	100	108	108	51-170	
Benzo(b)fluoranthene	ug/L	100	110	110	52-172	
Benzo(g,h,i)perylene	ug/L	100	106	106	33-173	
Benzo(k)fluoranthene	ug/L	100	106	106	52-167	
Benzyl alcohol	ug/L	100	62.5	63	24-86	
bis(2-Chloroethoxy)methane	ug/L	100	73.7	74	57-131	
bis(2-Chloroethyl) ether	ug/L	100	72.6	73	55-123	
bis(2-Chloroisopropyl) ether	ug/L	100	64.5	65	46-124	
bis(2-Ethylhexyl)phthalate	ug/L	100	101	101	69-168	
Butylbenzylphthalate	ug/L	100	103	103	67-168	
Chrysene	ug/L	100	99.3	99	55-158	
Di-n-butylphthalate	ug/L	100	100	100	58-159	
Di-n-octylphthalate	ug/L	100	109	109	63-176	
Dibenz(a,h)anthracene	ug/L	100	107	107	46-179	
Dibenzofuran	ug/L	100	78.7	79	44-138	
Diethylphthalate	ug/L	100	95.6	96	56-149	
Dimethylphthalate	ug/L	100	91.3	91	56-146	
Fluoranthene	ug/L	100	104	104	58-157	
Fluorene	ug/L	100	82.1	82	46-148	
Hexachloro-1,3-butadiene	ug/L	100	39.7	40	10-123	
Hexachlorobenzene	ug/L	100	103	103	63-157	
Hexachlorocyclopentadiene	ug/L	100	32.4	32	10-114	
Hexachloroethane	ug/L	100	38.0	38	14-102	
Indeno(1,2,3-cd)pyrene	ug/L	100	108	108	48-174	
Isophorone	ug/L	100	81.4	81	59-134	
N-Nitroso-di-n-propylamine	ug/L	100	74.4	74	40-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

LABORATORY CONTROL SAMPLE: 1434216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitrosodimethylamine	ug/L	100	49.6	50	10-200	
N-Nitrosodiphenylamine	ug/L	100	98.7	99	64-142	
Naphthalene	ug/L	100	54.5	55	38-113	
Nitrobenzene	ug/L	100	81.2	81	61-138	
Pentachlorophenol	ug/L	100	91.6	92	27-177	
Phenanthrene	ug/L	100	98.5	98	57-154	
Phenol	ug/L	100	34.9	35	11-61	
Pyrene	ug/L	100	107	107	53-160	
2,4,6-Tribromophenol (S)	%.			92	29-158	
2-Fluorobiphenyl (S)	%.			66	33-114	
2-Fluorophenol (S)	%.			48	11-79	
Nitrobenzene-d5 (S)	%.			71	38-124	
p-Terphenyl-d14 (S)	%.			65	10-113	
Phenol-d5 (S)	%.			33	10-58	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25737 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1428198 | Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	11/19/15 14:00	

LABORATORY CONTROL SAMPLE: 1428199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 1428200

Parameter	Units	50132665002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	491	493	0	10	

SAMPLE DUPLICATE: 1428201

Parameter	Units	50132724004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1080	1080	0	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25801 — Analysis Method: SM 2540C
QC Batch Method: SM 2540C — Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50132719005, 50132719006, 50132719007

METHOD BLANK: 1430921 — Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	11/22/15 08:51	

LABORATORY CONTROL SAMPLE: 1430922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	282	94	80-120	

SAMPLE DUPLICATE: 1430923

Parameter	Units	50133037008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	722	719	0	10	

SAMPLE DUPLICATE: 1430924

Parameter	Units	50132801009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1270	1240	2	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25802
QC Batch Method: SM 2540C
Associated Lab Samples: 50132719008

Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids

METHOD BLANK: 1430925
Matrix: Water
Associated Lab Samples: 50132719008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	11/23/15 07:51	

LABORATORY CONTROL SAMPLE: 1430926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 1430927

Parameter	Units	50132724025 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	592	577	3	10	

SAMPLE DUPLICATE: 1430928

Parameter	Units	50133037017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	830	839	1	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25830 — Analysis Method: SM 2540C
QC Batch Method: SM 2540C — Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50132719013, 50132719014, 50132719015

METHOD BLANK: 1431252 — Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	11/23/15 14:56	

LABORATORY CONTROL SAMPLE: 1431253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	291	97	80-120	

SAMPLE DUPLICATE: 1431254

Parameter	Units	50132925008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	337	316	6	10	

SAMPLE DUPLICATE: 1431255

Parameter	Units	50132998012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	319	305	4	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25854 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50132719017, 50132719018, 50132719019

METHOD BLANK: 1431873 Matrix: Water
Associated Lab Samples: 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	11/24/15 12:58	

LABORATORY CONTROL SAMPLE: 1431874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	80-120	

SAMPLE DUPLICATE: 1431875

Parameter	Units	50133057002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2950	2960	0	10	

SAMPLE DUPLICATE: 1431945

Parameter	Units	50133057015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5560	5480	2	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25881 — Analysis Method: SM 2540C
QC Batch Method: SM 2540C — Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50132719023, 50132719024, 50132719025

METHOD BLANK: 1432719 — Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	11/25/15 06:51	

LABORATORY CONTROL SAMPLE: 1432720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	295	98	80-120	

SAMPLE DUPLICATE: 1432721

Parameter	Units	50133187002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	644	621	4	10	

SAMPLE DUPLICATE: 1432722

Parameter	Units	50132719025 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	11100	10600	5	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25922 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50132719027, 50132719028, 50132719029

METHOD BLANK: 1434141 Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	11/30/15 05:27	

LABORATORY CONTROL SAMPLE: 1434142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	327	109	80-120	

SAMPLE DUPLICATE: 1434144

Parameter	Units	50133246001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1300	1310	1	10	

SAMPLE DUPLICATE: 1434433

Parameter	Units	50133233009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	628	627	0	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25993 — Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 — Analysis Description: 410.4 COD
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719023, 50132719024

METHOD BLANK: 1435992 — Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719023, 50132719024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	12/02/15 17:35	

LABORATORY CONTROL SAMPLE: 1435993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	100	99.5	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436585 — 1436586

Parameter	Units	50132719006 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	100	100	105	103	98	96	90-110	2	20	

MATRIX SPIKE SAMPLE: 1436587

Parameter	Units	50132719024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	100	109	105	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25997 — Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 — Analysis Description: 410.4 COD
Associated Lab Samples: 50132719027, 50132719029

METHOD BLANK: 1436247 — Matrix: Water
Associated Lab Samples: 50132719027, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	12/02/15 18:13	

LABORATORY CONTROL SAMPLE: 1436248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	100	104	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436249 1436250

Parameter	Units	50132808001 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	15.4	100	100	110	110	94	94	90-110	0	20	

MATRIX SPIKE SAMPLE: 1436251

Parameter	Units	50132814001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	100	98.1	96	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/26030 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 50132719007, 50132719008, 50132719019, 50132719025, 50132719028

METHOD BLANK: 1437077 Matrix: Water
Associated Lab Samples: 50132719007, 50132719008, 50132719019, 50132719025, 50132719028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	12/03/15 16:58	

LABORATORY CONTROL SAMPLE: 1437078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	296	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437079 1437080

Parameter	Units	50132719007 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	294	300	300	559	556	88	87	90-110	1	20	M3

MATRIX SPIKE SAMPLE: 1437081

Parameter	Units	50132852001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	270	300	553	94	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25812
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Associated Lab Samples: 50132719019

SAMPLE DUPLICATE: 1431089

Parameter	Units	50133034001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.2	1	20	H3

SAMPLE DUPLICATE: 1431517

Parameter	Units	50132743001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.7	0	20	H3

SAMPLE DUPLICATE: 1431518

Parameter	Units	50132743002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	20	H3

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25706
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1427218
Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	11/18/15 12:15	

LABORATORY CONTROL SAMPLE: 1427219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	.48J	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1427220 1427221

Parameter	Units	50132641001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	.5	.5	ND	ND	0	0	90-110		20	M3

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1427398 1427399

Parameter	Units	50132678001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	.5	.5	.47J	.47J	94	93	90-110	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25776 — Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D — Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008, 50132719009, 50132719013, 50132719014, 50132719015

METHOD BLANK: 1429484 — Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008, 50132719009, 50132719013, 50132719014, 50132719015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	11/20/15 09:37	

LABORATORY CONTROL SAMPLE: 1429485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	.48J	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1429486 1429487

Parameter	Units	50132719011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	.5	.5	.36J	.36J	71	72	90-110	1	20	M3

MATRIX SPIKE SAMPLE: 1430211

Parameter	Units	50132977001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	.48J	97	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25833 — Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D — Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 50132719017, 50132719018, 50132719019

METHOD BLANK: 1431330 — Matrix: Water
Associated Lab Samples: 50132719017, 50132719018, 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	11/23/15 13:08	

LABORATORY CONTROL SAMPLE: 1431331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	.47J	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431332 — 1431333

Parameter	Units	50132719018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	.5	.5	.094J	.1J	19	20	90-110		20	M3

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WET/25876 Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

METHOD BLANK: 1432460 Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	11/25/15 10:00	

LABORATORY CONTROL SAMPLE: 1432461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	.51J	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1432462 1432463

Parameter	Units	50132719024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	.5	.5	.57J	.56J	110	107	90-110	2	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19235 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025

METHOD BLANK: 1440872 — Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/09/15 09:37	

LABORATORY CONTROL SAMPLE: 1440873

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: 1440874 — 1440875

Parameter	Units	50132719002 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	0.23	2	2	2.3	2.4	106	106	90-110	1	20	

MATRIX SPIKE SAMPLE: 1440876

Parameter	Units	50132719003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	2	2.1	101	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19236 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 50132719027, 50132719028, 50132719029

METHOD BLANK: 1440877 — Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/09/15 10:07	

LABORATORY CONTROL SAMPLE: 1440878

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1441096 — 1441097

Parameter	Units	50133955001 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	2.1	101	102	90-110	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19106 — Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 — Analysis Description: 365.1 Total Phosphorus
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1435790 — Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	12/04/15 12:10	

LABORATORY CONTROL SAMPLE: 1435791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	.5	0.48	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435792 1435793

Parameter	Units	50132713001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	0.056	.5	.5	0.60	0.53	108	96	90-110	11	20	

MATRIX SPIKE SAMPLE: 1435794

Parameter	Units	50132710012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	.5	0.51	94	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19218 — Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 — Analysis Description: 365.1 Total Phosphorus
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025

METHOD BLANK: 1440171 — Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015, 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	12/09/15 15:15	

LABORATORY CONTROL SAMPLE: 1440172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	.5	0.52	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1440173 1440174

Parameter	Units	50132719005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	ND	.5	.5	0.50	0.51	98	99	90-110	1	20	

MATRIX SPIKE SAMPLE: 1440175

Parameter	Units	50133194001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	3.6	.5	4.1	106	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19219 — Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 — Analysis Description: 365.1 Total Phosphorus
Associated Lab Samples: 50132719027, 50132719028, 50132719029

METHOD BLANK: 1440180 — Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	12/09/15 13:35	

LABORATORY CONTROL SAMPLE: 1440181

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: 1440182 1440183

Parameter	Units	50133197001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	1.3	.5	.5	1.8	1.8	102	102	90-110	0	20	

MATRIX SPIKE SAMPLE: 1440184

Parameter	Units	50133678001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.4	.5	1.9	102	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/18984 Analysis Method: SM 4500-NH3 G
QC Batch Method: SM 4500-NH3 G Analysis Description: 4500 Ammonia
Associated Lab Samples: 50132719013, 50132719014, 50132719015

METHOD BLANK: 1431227 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/23/15 11:46	

LABORATORY CONTROL SAMPLE: 1431228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431229 1431230

Parameter	Units	50132840002 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	0.99	96	98	90-110	3	20	

MATRIX SPIKE SAMPLE: 1431231

Parameter	Units	50133004001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.66	1	1.6	95	90-110	

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REPORT OF LABORATORY ANALYSIS

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(317)228-3100

QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19069 Analysis Method: SM 4500-NH3 G
QC Batch Method: SM 4500-NH3 G Analysis Description: 4500 Ammonia
Associated Lab Samples: 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025

METHOD BLANK: 1434948 Matrix: Water
Associated Lab Samples: 50132719017, 50132719018, 50132719019, 50132719023, 50132719024, 50132719025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	12/01/15 08:59	

LABORATORY CONTROL SAMPLE: 1434949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.97	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434950 1434951

Parameter	Units	50133150002 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	1.7	1	1	2.6	2.6	95	94	90-110	0	20	

MATRIX SPIKE SAMPLE: 1434952

Parameter	Units	50133187006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.35	1	1.3	99	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/18924 | Analysis Method: SM 4500-NH3 G
QC Batch Method: SM 4500-NH3 G | Analysis Description: 4500 Ammonia
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1428167 | Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/19/15 11:24	

LABORATORY CONTROL SAMPLE: 1428168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1428169 1428170

Parameter	Units	50132710006 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	0.91	0.92	91	92	90-110	2	20	

MATRIX SPIKE SAMPLE: 1428171

Parameter	Units	50132719001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5.8	1	6.7	92	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/18978 — Analysis Method: SM 4500-NH3 G
QC Batch Method: SM 4500-NH3 G — Analysis Description: 4500 Ammonia
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008

METHOD BLANK: 1431050 — Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/23/15 10:07	

LABORATORY CONTROL SAMPLE: 1431051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431052 1431053

Parameter	Units	50132807014 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	0.15	1	1	1.1	1.1	95	97	90-110	2	20	

MATRIX SPIKE SAMPLE: 1431054

Parameter	Units	50132724025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	1	0.90	90	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19074 — Analysis Method: SM 4500-NH3 G
QC Batch Method: SM 4500-NH3 G — Analysis Description: 4500 Ammonia
Associated Lab Samples: 50132719027, 50132719028, 50132719029

METHOD BLANK: 1435114 — Matrix: Water
Associated Lab Samples: 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	12/01/15 11:00	

LABORATORY CONTROL SAMPLE: 1435115

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435116 1435117

Parameter	Units	50133187010 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	0.31	1	1	1.3	1.3	96	96	90-110	0	20	

MATRIX SPIKE SAMPLE: 1435118

Parameter	Units	50133187010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.31	1	0.94	62	90-110	M0

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19144 — Analysis Method: SM 5310C
QC Batch Method: SM 5310C — Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015

METHOD BLANK: 1437334 — Matrix: Water
Associated Lab Samples: 50132719002, 50132719003, 50132719005, 50132719006, 50132719007, 50132719008, 50132719013, 50132719014, 50132719015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	12/04/15 11:14	

LABORATORY CONTROL SAMPLE: 1437335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	10.4	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437336 — 1437337

Parameter	Units	50132719001 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	20.6	100	100	119	120	98	100	80-120	1	20	

MATRIX SPIKE SAMPLE: 1437338

Parameter	Units	50132925002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	ND	10	11.2	103	80-120	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19151 — Analysis Method: SM 5310C
QC Batch Method: SM 5310C — Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 50132719019

METHOD BLANK: 1437727 — Matrix: Water
Associated Lab Samples: 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	12/04/15 19:52	

LABORATORY CONTROL SAMPLE: 1437728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	10.4	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437729 1437730

Parameter	Units	50133036001 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	8.2	50	50	59.4	59.8	102	103	80-120	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19213 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 50132719017, 50132719018, 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

METHOD BLANK: 1440120 Matrix: Water
Associated Lab Samples: 50132719017, 50132719018, 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	12/09/15 10:17	

LABORATORY CONTROL SAMPLE: 1440121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	10.5	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1440122 1440123

Parameter	Units	50132719017 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	16.8	100	100	118	119	101	102	80-120	1	20	

MATRIX SPIKE SAMPLE: 1440124

Parameter	Units	50133237004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.1	10	12.2	101	80-120	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19049 — Analysis Method: EPA 9012
QC Batch Method: EPA 9012 — Analysis Description: 9012 Cyanide, Total
Associated Lab Samples: 50132719002, 50132719003

METHOD BLANK: 1434329 — Matrix: Water
Associated Lab Samples: 50132719002, 50132719003

Parameter	Units	Blank Result	Reporting Limit,	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	11/30/15 15:56	

LABORATORY CONTROL SAMPLE: 1434330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.098	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434331 1434332

Parameter	Units	50132637001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.0038J	.1	.1	0.095	0.092	91	88	90-110	3	20	M0

MATRIX SPIKE SAMPLE: 1434333

Parameter	Units	50132719003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	.1	0.094	94	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19071 — Analysis Method: EPA 9012
QC Batch Method: EPA 9012 — Analysis Description: 9012 Cyanide, Total
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008

METHOD BLANK: 1434991 — Matrix: Water
Associated Lab Samples: 50132719005, 50132719006, 50132719007, 50132719008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/01/15 16:54	

LABORATORY CONTROL SAMPLE: 1434992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.095	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434993 1434994

Parameter	Units	50132814001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.098	0.098	97	98	90-110	1	20	

MATRIX SPIKE SAMPLE: 1434995

Parameter	Units	50132719008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	.1	0.097	96	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19104 Analysis Method: EPA 9012
QC Batch Method: EPA 9012 Analysis Description: 9012 Cyanide, Total
Associated Lab Samples: 50132719013, 50132719014, 50132719015

METHOD BLANK: 1435728 Matrix: Water
Associated Lab Samples: 50132719013, 50132719014, 50132719015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/02/15 17:31	

LABORATORY CONTROL SAMPLE: 1435729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435730 1435731

Parameter	Units	50132939004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.0030J	.1	.1	0.099	0.10	96	97	90-110	0	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19124
QC Batch Method: EPA 9012
Analysis Method: EPA 9012
Analysis Description: 9012 Cyanide, Total
Associated Lab Samples: 50132719017

METHOD BLANK: 1436658
Matrix: Water
Associated Lab Samples: 50132719017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/03/15 14:09	

LABORATORY CONTROL SAMPLE: 1436659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436660 1436661

Parameter	Units	50133072011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.097	0.098	97	97	90-110	0	20	

MATRIX SPIKE SAMPLE: 1436662

Parameter	Units	50133072020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	.1	0.099	99	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19125 — Analysis Method: EPA 9012
QC Batch Method: EPA 9012 — Analysis Description: 9012 Cyanide, Total
Associated Lab Samples: 50132719019

METHOD BLANK: 1436663 — Matrix: Water
Associated Lab Samples: 50132719019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/03/15 13:55	

LABORATORY CONTROL SAMPLE: 1436664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	101	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19157 Analysis Method: EPA 9012
QC Batch Method: EPA 9012 Analysis Description: 9012 Cyanide, Total
Associated Lab Samples: 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

METHOD BLANK: 1437947 Matrix: Water
Associated Lab Samples: 50132719023, 50132719024, 50132719025, 50132719027, 50132719028, 50132719029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/04/15 17:19	

LABORATORY CONTROL SAMPLE: 1437948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437949 1437950

Parameter	Units	50132719023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.089	0.11	89	110	90-110	21	20	M0,R1

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

QC Batch: WETA/19166 — Analysis Method: EPA 9012
QC Batch Method: EPA 9012 — Analysis Description: 9012 Cyanide, Total
Associated Lab Samples: 50132719018

METHOD BLANK: 1438415 — Matrix: Water
Associated Lab Samples: 50132719018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	12/04/15 17:57	

LABORATORY CONTROL SAMPLE: 1438416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.088	88	90-110	L5

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438417 1438418

Parameter	Units	50133513002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.10	0.10	98	100	90-110	2	20	

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QUALIFIERS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

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.

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.

LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

BATCH QUALIFIERS

Batch: OEXT/41563
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/41570
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/41571
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: GCSV/17573
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: GCSV/17574
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/41583
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/41587
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/41588
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: GCSV/17593
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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(317)228-3100

QUALIFIERS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

BATCH QUALIFIERS

Batch: GCSV/17594
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41596
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41597
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41602
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41607
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: GCSV/17617
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: GCSV/17618
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41623
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41624
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41625
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41654
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: OEXT/41677
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: GCSV/17680
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: GCSV/17688
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1d	LCS recovery was below QC limits. Batch accepted based on matrix spike recovery within LCS limits.
2d	Sample was analyzed at dilution due to chromatographic interference from target and non-target analytes.
3d	Surrogate recovery is below control limits. The sample could not be re-extracted within holding time. Compounds associated with this surrogate may be biased low.
4d	Surrogate recovery is below control limits. No more sample remains for re-extraction and analysis. Compounds associated with this surrogate may be biased low.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
L5	LCS recovery exceeded QC limits. Batch accepted based on matrix spike recovery within LCS limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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Indianapolis, IN 46268
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QUALIFIERS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

ANALYTE QUALIFIERS

M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50132719002	PZ-100-SS		FLD/1766		
50132719003	PZ-100-SD		FLD/1766		
50132719005	PZ-201A-SS		FLD/1766		
50132719006	PZ-104-SS		FLD/1766		
50132719007	PZ-104-SD		FLD/1766		
50132719009	PZ-104-KS		FLD/1766		
50132719013	PZ-210-SS		FLD/1766		
50132719014	PZ-210-SD		FLD/1766		
50132719015	PZ-105-SS		FLD/1766		
50132719017	PZ-114-AS		FLD/1766		
50132719018	PZ-115-SS		FLD/1766		
50132719019	PZ-202-SS		FLD/1766		
50132719023	PZ-103-SS		FLD/1766		
50132719024	PZ-203-SS		FLD/1766		
50132719025	MW-1204		FLD/1766		
50132719027	PZ-204-SS		FLD/1766		
50132719028	PZ-106-SD		FLD/1766		
50132719029	PZ-106-SS		FLD/1766		
50132719002	PZ-100-SS	EPA 300.0	GCSV/17598		
50132719003	PZ-100-SD	EPA 300.0	GCSV/17598		
50132719005	PZ-201A-SS	EPA 300.0	GCSV/17603		
50132719006	PZ-104-SS	EPA 300.0	GCSV/17603		
50132719007	PZ-104-SD	EPA 300.0	GCSV/17603		
50132719008	PZ-104-SD D	EPA 300.0	GCSV/17603		
50132719013	PZ-210-SS	EPA 300.0	GCSV/17655		
50132719014	PZ-210-SD	EPA 300.0	GCSV/17655		
50132719015	PZ-105-SS	EPA 300.0	GCSV/17655		
50132719017	PZ-114-AS	EPA 300.0	GCSV/17655		
50132719018	PZ-115-SS	EPA 300.0	GCSV/17655		
50132719019	PZ-202-SS	EPA 300.0	GCSV/17655		
50132719023	PZ-103-SS	EPA 300.0	GCSV/17655		
50132719024	PZ-203-SS	EPA 300.0	GCSV/17655		
50132719025	MW-1204	EPA 300.0	GCSV/17655		
50132719027	PZ-204-SS	EPA 300.0	GCSV/17655		
50132719028	PZ-106-SD	EPA 300.0	GCSV/17655		
50132719029	PZ-106-SS	EPA 300.0	GCSV/17655		
50132719002	PZ-100-SS	EPA 3510	OEXT/41571	EPA 8081	GCSV/17574
50132719003	PZ-100-SD	EPA 3510	OEXT/41571	EPA 8081	GCSV/17574
50132719005	PZ-201A-SS	EPA 3510	OEXT/41588	EPA 8081	GCSV/17594
50132719006	PZ-104-SS	EPA 3510	OEXT/41588	EPA 8081	GCSV/17594
50132719007	PZ-104-SD	EPA 3510	OEXT/41588	EPA 8081	GCSV/17594
50132719008	PZ-104-SD D	EPA 3510	OEXT/41588	EPA 8081	GCSV/17594
50132719013	PZ-210-SS	EPA 3510	OEXT/41597	EPA 8081	GCSV/17618
50132719014	PZ-210-SD	EPA 3510	OEXT/41597	EPA 8081	GCSV/17618
50132719015	PZ-105-SS	EPA 3510	OEXT/41597	EPA 8081	GCSV/17618
50132719017	PZ-114-AS	EPA 3510	OEXT/41597	EPA 8081	GCSV/17618

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50132719018	PZ-115-SS	EPA 3510	OEXT/41597	EPA 8081	GCSV/17618
50132719019	PZ-202-SS	EPA 3510	OEXT/41597	EPA 8081	GCSV/17618
50132719023	PZ-103-SS	EPA 3510	OEXT/41625	EPA 8081	GCSV/17680
50132719024	PZ-203-SS	EPA 3510	OEXT/41625	EPA 8081	GCSV/17680
50132719025	MW-1204	EPA 3510	OEXT/41625	EPA 8081	GCSV/17680
50132719027	PZ-204-SS	EPA 3510	OEXT/41677	EPA 8081	GCSV/17688
50132719028	PZ-106-SD	EPA 3510	OEXT/41677	EPA 8081	GCSV/17688
50132719029	PZ-106-SS	EPA 3510	OEXT/41677	EPA 8081	GCSV/17688
50132719002	PZ-100-SS	EPA 3510	OEXT/41570	EPA 8082	GCSV/17573
50132719003	PZ-100-SD	EPA 3510	OEXT/41570	EPA 8082	GCSV/17573
50132719005	PZ-201A-SS	EPA 3510	OEXT/41587	EPA 8082	GCSV/17593
50132719006	PZ-104-SS	EPA 3510	OEXT/41587	EPA 8082	GCSV/17593
50132719007	PZ-104-SD	EPA 3510	OEXT/41587	EPA 8082	GCSV/17593
50132719008	PZ-104-SD D	EPA 3510	OEXT/41587	EPA 8082	GCSV/17593
50132719009	PZ-104-KS	EPA 3510	OEXT/41587	EPA 8082	GCSV/17593
50132719013	PZ-210-SS	EPA 3510	OEXT/41596	EPA 8082	GCSV/17617
50132719014	PZ-210-SD	EPA 3510	OEXT/41596	EPA 8082	GCSV/17617
50132719015	PZ-105-SS	EPA 3510	OEXT/41596	EPA 8082	GCSV/17617
50132719017	PZ-114-AS	EPA 3510	OEXT/41596	EPA 8082	GCSV/17617
50132719018	PZ-115-SS	EPA 3510	OEXT/41596	EPA 8082	GCSV/17617
50132719019	PZ-202-SS	EPA 3510	OEXT/41596	EPA 8082	GCSV/17617
50132719023	PZ-103-SS	EPA 3510	OEXT/41624	EPA 8082	GCSV/17638
50132719024	PZ-203-SS	EPA 3510	OEXT/41624	EPA 8082	GCSV/17638
50132719025	MW-1204	EPA 3510	OEXT/41624	EPA 8082	GCSV/17638
50132719027	PZ-204-SS	EPA 3510	OEXT/41678	EPA 8082	GCSV/17687
50132719028	PZ-106-SD	EPA 3510	OEXT/41678	EPA 8082	GCSV/17687
50132719029	PZ-106-SS	EPA 3510	OEXT/41678	EPA 8082	GCSV/17687
50132719002	PZ-100-SS	EPA 8151	OEXT/41563	EPA 8151	GCSV/17569
50132719003	PZ-100-SD	EPA 8151	OEXT/41563	EPA 8151	GCSV/17569
50132719005	PZ-201A-SS	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719006	PZ-104-SS	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719007	PZ-104-SD	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719008	PZ-104-SD D	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719013	PZ-210-SS	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719014	PZ-210-SD	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719015	PZ-105-SS	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719017	PZ-114-AS	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719018	PZ-115-SS	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719019	PZ-202-SS	EPA 8151	OEXT/41607	EPA 8151	GCSV/17626
50132719023	PZ-103-SS	EPA 8151	OEXT/41645	EPA 8151	GCSV/17675
50132719024	PZ-203-SS	EPA 8151	OEXT/41645	EPA 8151	GCSV/17675
50132719025	MW-1204	EPA 8151	OEXT/41645	EPA 8151	GCSV/17675
50132719027	PZ-204-SS	EPA 8151	OEXT/41645	EPA 8151	GCSV/17675
50132719028	PZ-106-SD	EPA 8151	OEXT/41645	EPA 8151	GCSV/17675

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50132719029	PZ-106-SS	EPA 8151	OEXT/41645	EPA 8151	GCSV/17675
50132719002	PZ-100-SS	EPA 3010	MPRP/18810	EPA 6010	ICP/22919
50132719003	PZ-100-SD	EPA 3010	MPRP/18810	EPA 6010	ICP/22919
50132719005	PZ-201A-SS	EPA 3010	MPRP/18810	EPA 6010	ICP/22919
50132719006	PZ-104-SS	EPA 3010	MPRP/18810	EPA 6010	ICP/22919
50132719007	PZ-104-SD	EPA 3010	MPRP/18810	EPA 6010	ICP/22919
50132719008	PZ-104-SD D	EPA 3010	MPRP/18810	EPA 6010	ICP/22919
50132719009	PZ-104-KS	EPA 3010	MPRP/18810	EPA 6010	ICP/22919
50132719013	PZ-210-SS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719014	PZ-210-SD	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719015	PZ-105-SS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719017	PZ-114-AS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719018	PZ-115-SS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719019	PZ-202-SS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719023	PZ-103-SS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719024	PZ-203-SS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719025	MW-1204	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719027	PZ-204-SS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719028	PZ-106-SD	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719029	PZ-106-SS	EPA 3010	MPRP/18919	EPA 6010	ICP/23022
50132719002	PZ-100-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719003	PZ-100-SD	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719005	PZ-201A-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719006	PZ-104-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719007	PZ-104-SD	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719008	PZ-104-SD D	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719009	PZ-104-KS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719013	PZ-210-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719014	PZ-210-SD	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719015	PZ-105-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719017	PZ-114-AS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719018	PZ-115-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719019	PZ-202-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719023	PZ-103-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719024	PZ-203-SS	EPA 200.2	MPRP/19407	EPA 6020	ICPM/2610
50132719025	MW-1204	EPA 200.2	MPRP/19411	EPA 6020	ICPM/2612
50132719027	PZ-204-SS	EPA 200.2	MPRP/19411	EPA 6020	ICPM/2612
50132719028	PZ-106-SD	EPA 200.2	MPRP/19411	EPA 6020	ICPM/2612
50132719029	PZ-106-SS	EPA 200.2	MPRP/19411	EPA 6020	ICPM/2612
50132719002	PZ-100-SS	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719003	PZ-100-SD	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719005	PZ-201A-SS	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719006	PZ-104-SS	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719007	PZ-104-SD	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719008	PZ-104-SD D	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719013	PZ-210-SS	EPA 7470	MERP/7204	EPA 7470	MERC/8502

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50132719014	PZ-210-SD	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719015	PZ-105-SS	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719017	PZ-114-AS	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719018	PZ-115-SS	EPA 7470	MERP/7204	EPA 7470	MERC/8502
50132719019	PZ-202-SS	EPA 7470	MERP/7205	EPA 7470	MERC/8509
50132719023	PZ-103-SS	EPA 7470	MERP/7205	EPA 7470	MERC/8509
50132719024	PZ-203-SS	EPA 7470	MERP/7205	EPA 7470	MERC/8509
50132719025	MW-1204	EPA 7470	MERP/7205	EPA 7470	MERC/8509
50132719027	PZ-204-SS	EPA 7470	MERP/7194	EPA 7470	MERC/8508
50132719028	PZ-106-SD	EPA 7470	MERP/7194	EPA 7470	MERC/8508
50132719029	PZ-106-SS	EPA 7470	MERP/7194	EPA 7470	MERC/8508
50132719002	PZ-100-SS	EPA 3510	OEXT/41583	EPA 8270	MSSV/19617
50132719003	PZ-100-SD	EPA 3510	OEXT/41583	EPA 8270	MSSV/19617
50132719005	PZ-201A-SS	EPA 3510	OEXT/41583	EPA 8270	MSSV/19617
50132719006	PZ-104-SS	EPA 3510	OEXT/41583	EPA 8270	MSSV/19617
50132719007	PZ-104-SD	EPA 3510	OEXT/41583	EPA 8270	MSSV/19617
50132719008	PZ-104-SD D	EPA 3510	OEXT/41583	EPA 8270	MSSV/19617
50132719009	PZ-104-KS	EPA 3510	OEXT/41583	EPA 8270	MSSV/19617
50132719013	PZ-210-SS	EPA 3510	OEXT/41602	EPA 8270	MSSV/19614
50132719014	PZ-210-SD	EPA 3510	OEXT/41602	EPA 8270	MSSV/19614
50132719015	PZ-105-SS	EPA 3510	OEXT/41602	EPA 8270	MSSV/19614
50132719017	PZ-114-AS	EPA 3510	OEXT/41602	EPA 8270	MSSV/19614
50132719018	PZ-115-SS	EPA 3510	OEXT/41602	EPA 8270	MSSV/19614
50132719019	PZ-202-SS	EPA 3510	OEXT/41602	EPA 8270	MSSV/19614
50132719023	PZ-103-SS	EPA 3510	OEXT/41623	EPA 8270	MSSV/19641
50132719024	PZ-203-SS	EPA 3510	OEXT/41623	EPA 8270	MSSV/19641
50132719025	MW-1204	EPA 3510	OEXT/41623	EPA 8270	MSSV/19641
50132719027	PZ-204-SS	EPA 3510	OEXT/41654	EPA 8270	MSSV/19662
50132719028	PZ-106-SD	EPA 3510	OEXT/41654	EPA 8270	MSSV/19662
50132719029	PZ-106-SS	EPA 3510	OEXT/41654	EPA 8270	MSSV/19662
50132719002	PZ-100-SS	EPA 8260	MSV/84280		
50132719003	PZ-100-SD	EPA 8260	MSV/84253		
50132719004	TB-01	EPA 8260	MSV/84280		
50132719005	PZ-201A-SS	EPA 8260	MSV/84281		
50132719006	PZ-104-SS	EPA 8260	MSV/84281		
50132719007	PZ-104-SD	EPA 8260	MSV/84195		
50132719008	PZ-104-SD D	EPA 8260	MSV/84195		
50132719009	PZ-104-KS	EPA 8260	MSV/84281		
50132719010	TB-02	EPA 8260	MSV/84281		
50132719013	PZ-210-SS	EPA 8260	MSV/84342		
50132719014	PZ-210-SD	EPA 8260	MSV/84342		
50132719015	PZ-105-SS	EPA 8260	MSV/84342		

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50132719016	TB-03	EPA 8260	MSV/84342		
50132719017	PZ-114-AS	EPA 8260	MSV/84406		
50132719018	PZ-115-SS	EPA 8260	MSV/84406		
50132719019	PZ-202-SS	EPA 8260	MSV/84406		
50132719020	TB-04	EPA 8260	MSV/84408		
50132719023	PZ-103-SS	EPA 8260	MSV/84408		
50132719024	PZ-203-SS	EPA 8260	MSV/84408		
50132719025	MW-1204	EPA 8260	MSV/84253		
50132719026	TB-05	EPA 8260	MSV/84312		
50132719027	PZ-204-SS	EPA 8260	MSV/84408		
50132719028	PZ-106-SD	EPA 8260	MSV/84290		
50132719029	PZ-106-SS	EPA 8260	MSV/84408		
50132719030	Trip Blank	EPA 8260	MSV/84459		
50132719002	PZ-100-SS	SM 2540C	WET/25737		
50132719003	PZ-100-SD	SM 2540C	WET/25737		
50132719005	PZ-201A-SS	SM 2540C	WET/25801		
50132719006	PZ-104-SS	SM 2540C	WET/25801		
50132719007	PZ-104-SD	SM 2540C	WET/25801		
50132719008	PZ-104-SD D	SM 2540C	WET/25802		
50132719013	PZ-210-SS	SM 2540C	WET/25830		
50132719014	PZ-210-SD	SM 2540C	WET/25830		
50132719015	PZ-105-SS	SM 2540C	WET/25830		
50132719017	PZ-114-AS	SM 2540C	WET/25854		
50132719018	PZ-115-SS	SM 2540C	WET/25854		
50132719019	PZ-202-SS	SM 2540C	WET/25854		
50132719023	PZ-103-SS	SM 2540C	WET/25881		
50132719024	PZ-203-SS	SM 2540C	WET/25881		
50132719025	MW-1204	SM 2540C	WET/25881		
50132719027	PZ-204-SS	SM 2540C	WET/25922		
50132719028	PZ-106-SD	SM 2540C	WET/25922		
50132719029	PZ-106-SS	SM 2540C	WET/25922		
50132719002	PZ-100-SS	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719003	PZ-100-SD	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719005	PZ-201A-SS	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719006	PZ-104-SS	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719007	PZ-104-SD	EPA 410.4	WET/26030	EPA 410.4	WET/26037
50132719008	PZ-104-SD D	EPA 410.4	WET/26030	EPA 410.4	WET/26037
50132719013	PZ-210-SS	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719014	PZ-210-SD	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719015	PZ-105-SS	EPA 410.4	WET/25993	EPA 410.4	WET/26005

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50132719017	PZ-114-AS	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719018	PZ-115-SS	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719019	PZ-202-SS	EPA 410.4	WET/26030	EPA 410.4	WET/26037
50132719023	PZ-103-SS	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719024	PZ-203-SS	EPA 410.4	WET/25993	EPA 410.4	WET/26005
50132719025	MW-1204	EPA 410.4	WET/26030	EPA 410.4	WET/26037
50132719027	PZ-204-SS	EPA 410.4	WET/25997	EPA 410.4	WET/26006
50132719028	PZ-106-SD	EPA 410.4	WET/26030	EPA 410.4	WET/26037
50132719029	PZ-106-SS	EPA 410.4	WET/25997	EPA 410.4	WET/26006
50132719019	PZ-202-SS	SM 4500-H+B	WET/25812		
50132719002	PZ-100-SS	SM 4500-S2-D	WET/25706		
50132719003	PZ-100-SD	SM 4500-S2-D	WET/25706		
50132719005	PZ-201A-SS	SM 4500-S2-D	WET/25776		
50132719006	PZ-104-SS	SM 4500-S2-D	WET/25776		
50132719007	PZ-104-SD	SM 4500-S2-D	WET/25776		
50132719008	PZ-104-SD D	SM 4500-S2-D	WET/25776		
50132719009	PZ-104-KS	SM 4500-S2-D	WET/25776		
50132719013	PZ-210-SS	SM 4500-S2-D	WET/25776		
50132719014	PZ-210-SD	SM 4500-S2-D	WET/25776		
50132719015	PZ-105-SS	SM 4500-S2-D	WET/25776		
50132719017	PZ-114-AS	SM 4500-S2-D	WET/25833		
50132719018	PZ-115-SS	SM 4500-S2-D	WET/25833		
50132719019	PZ-202-SS	SM 4500-S2-D	WET/25833		
50132719023	PZ-103-SS	SM 4500-S2-D	WET/25876		
50132719024	PZ-203-SS	SM 4500-S2-D	WET/25876		
50132719025	MW-1204	SM 4500-S2-D	WET/25876		
50132719027	PZ-204-SS	SM 4500-S2-D	WET/25876		
50132719028	PZ-106-SD	SM 4500-S2-D	WET/25876		
50132719029	PZ-106-SS	SM 4500-S2-D	WET/25876		
50132719002	PZ-100-SS	EPA 353.2	WETA/19235		
50132719003	PZ-100-SD	EPA 353.2	WETA/19235		
50132719005	PZ-201A-SS	EPA 353.2	WETA/19235		
50132719006	PZ-104-SS	EPA 353.2	WETA/19235		
50132719007	PZ-104-SD	EPA 353.2	WETA/19235		
50132719008	PZ-104-SD D	EPA 353.2	WETA/19235		
50132719013	PZ-210-SS	EPA 353.2	WETA/19235		
50132719014	PZ-210-SD	EPA 353.2	WETA/19235		
50132719015	PZ-105-SS	EPA 353.2	WETA/19235		
50132719017	PZ-114-AS	EPA 353.2	WETA/19235		
50132719018	PZ-115-SS	EPA 353.2	WETA/19235		
50132719019	PZ-202-SS	EPA 353.2	WETA/19235		
50132719023	PZ-103-SS	EPA 353.2	WETA/19235		
50132719024	PZ-203-SS	EPA 353.2	WETA/19235		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50132719025	MW-1204	EPA 353.2	WETA/19235		
50132719027	PZ-204-SS	EPA 353.2	WETA/19236		
50132719028	PZ-106-SD	EPA 353.2	WETA/19236		
50132719029	PZ-106-SS	EPA 353.2	WETA/19236		
50132719002	PZ-100-SS	EPA 365.1	WETA/19106	EPA 365.1	WETA/19147
50132719003	PZ-100-SD	EPA 365.1	WETA/19106	EPA 365.1	WETA/19147
50132719005	PZ-201A-SS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719006	PZ-104-SS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719007	PZ-104-SD	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719008	PZ-104-SD D	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719013	PZ-210-SS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719014	PZ-210-SD	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719015	PZ-105-SS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719017	PZ-114-AS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719018	PZ-115-SS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719019	PZ-202-SS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719023	PZ-103-SS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719024	PZ-203-SS	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719025	MW-1204	EPA 365.1	WETA/19218	EPA 365.1	WETA/19243
50132719027	PZ-204-SS	EPA 365.1	WETA/19219	EPA 365.1	WETA/19241
50132719028	PZ-106-SD	EPA 365.1	WETA/19219	EPA 365.1	WETA/19241
50132719029	PZ-106-SS	EPA 365.1	WETA/19219	EPA 365.1	WETA/19241
50132719002	PZ-100-SS	SM 4500-NH3 G	WETA/18924		
50132719003	PZ-100-SD	SM 4500-NH3 G	WETA/18924		
50132719005	PZ-201A-SS	SM 4500-NH3 G	WETA/18978		
50132719006	PZ-104-SS	SM 4500-NH3 G	WETA/18978		
50132719007	PZ-104-SD	SM 4500-NH3 G	WETA/18978		
50132719008	PZ-104-SD D	SM 4500-NH3 G	WETA/18978		
50132719013	PZ-210-SS	SM 4500-NH3 G	WETA/18984		
50132719014	PZ-210-SD	SM 4500-NH3 G	WETA/18984		
50132719015	PZ-105-SS	SM 4500-NH3 G	WETA/18984		
50132719017	PZ-114-AS	SM 4500-NH3 G	WETA/19069		
50132719018	PZ-115-SS	SM 4500-NH3 G	WETA/19069		
50132719019	PZ-202-SS	SM 4500-NH3 G	WETA/19069		
50132719023	PZ-103-SS	SM 4500-NH3 G	WETA/19069		
50132719024	PZ-203-SS	SM 4500-NH3 G	WETA/19069		
50132719025	MW-1204	SM 4500-NH3 G	WETA/19069		
50132719027	PZ-204-SS	SM 4500-NH3 G	WETA/19074		
50132719028	PZ-106-SD	SM 4500-NH3 G	WETA/19074		
50132719029	PZ-106-SS	SM 4500-NH3 G	WETA/19074		
50132719002	PZ-100-SS	SM 5310C	WETA/19144		
50132719003	PZ-100-SD	SM 5310C	WETA/19144		
50132719005	PZ-201A-SS	SM 5310C	WETA/19144		
50132719006	PZ-104-SS	SM 5310C	WETA/19144		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50132719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50132719007	PZ-104-SD	SM 5310C	WETA/19144		
50132719008	PZ-104-SD D	SM 5310C	WETA/19144		
50132719013	PZ-210-SS	SM 5310C	WETA/19144		
50132719014	PZ-210-SD	SM 5310C	WETA/19144		
50132719015	PZ-105-SS	SM 5310C	WETA/19144		
50132719017	PZ-114-AS	SM 5310C	WETA/19213		
50132719018	PZ-115-SS	SM 5310C	WETA/19213		
50132719019	PZ-202-SS	SM 5310C	WETA/19151		
50132719023	PZ-103-SS	SM 5310C	WETA/19213		
50132719024	PZ-203-SS	SM 5310C	WETA/19213		
50132719025	MW-1204	SM 5310C	WETA/19213		
50132719027	PZ-204-SS	SM 5310C	WETA/19213		
50132719028	PZ-106-SD	SM 5310C	WETA/19213		
50132719029	PZ-106-SS	SM 5310C	WETA/19213		
50132719002	PZ-100-SS	EPA 9012	WETA/19049	EPA 9012	WETA/19065
50132719003	PZ-100-SD	EPA 9012	WETA/19049	EPA 9012	WETA/19065
50132719005	PZ-201A-SS	EPA 9012	WETA/19071	EPA 9012	WETA/19088
50132719006	PZ-104-SS	EPA 9012	WETA/19071	EPA 9012	WETA/19088
50132719007	PZ-104-SD	EPA 9012	WETA/19071	EPA 9012	WETA/19088
50132719008	PZ-104-SD D	EPA 9012	WETA/19071	EPA 9012	WETA/19088
50132719013	PZ-210-SS	EPA 9012	WETA/19104	EPA 9012	WETA/19121
50132719014	PZ-210-SD	EPA 9012	WETA/19104	EPA 9012	WETA/19121
50132719015	PZ-105-SS	EPA 9012	WETA/19104	EPA 9012	WETA/19121
50132719017	PZ-114-AS	EPA 9012	WETA/19124	EPA 9012	WETA/19142
50132719018	PZ-115-SS	EPA 9012	WETA/19166	EPA 9012	WETA/19172
50132719019	PZ-202-SS	EPA 9012	WETA/19125	EPA 9012	WETA/19141
50132719023	PZ-103-SS	EPA 9012	WETA/19157	EPA 9012	WETA/19171
50132719024	PZ-203-SS	EPA 9012	WETA/19157	EPA 9012	WETA/19171
50132719025	MW-1204	EPA 9012	WETA/19157	EPA 9012	WETA/19171
50132719027	PZ-204-SS	EPA 9012	WETA/19157	EPA 9012	WETA/19171
50132719028	PZ-106-SD	EPA 9012	WETA/19157	EPA 9012	WETA/19171
50132719029	PZ-106-SS	EPA 9012	WETA/19157	EPA 9012	WETA/19171

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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.

Page : 1 Of 1

Section A 3405 Hollenberg Dr.
Required Client Information:

Company:	Republic Services - Missouri Landfills
Address:	~~4884 North St. Peters Parkway~~
	~~St Charles, MO 63304~~ Bridgeton, MO 63044
Email:	jwilkinson@[illegible]eering.com
Phone:	(636)578-8635 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Jon Wilkinson
Copy To:	
Purchase Order #:	
Project Name:	Bridgeton App II 4Q 2015
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	chris.boyle@pacelabs.com,
Pace Profile #:	4762 see PM for line items

Regulatory Agency

State / Location: MO

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Cl, F, SO4, TDS, Phosphorus	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151			Residual Chlorine (Y/N)	50132719
1	MO-3-SS	WT	G	11/17/15	0[illegible]				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				001
2	MO-3-SDR			11/17/15	1125				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				021
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	FEDEX			Joseph R. [illegible]	11-18-15	0920	0.5	Y	N	Y
							1.1	[illegible]		
							0.3			
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Geotechnology / Missouri DNR

SIGNATURE of SAMPLER:

DATE Signed:

Sample Container Count

CLIENT: Republic Services - Mo Bridgeton

COC PAGE 1 of 2

COC ID#

Project # 50132719

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z				pH <2	pH >9	pH>12
1	3	6		2					1	1		1		1				1				✓	✓	✓
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Condition Upon Receipt

Pace Analytical

Client Name: Republic Project # _____

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 774999505382

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other Melted Ice

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) 8.3°C / 8.3°C Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: 11/21/15 [illegible]

				Comments:
Are samples from West Virginia? Document any containers out of temp.	☐Yes	☒No		1.
Chain of Custody Present:	☐Yes	☒No	☐N/A	2.
Chain of Custody Filled Out:	☐Yes	☐No	☐N/A	3.
Chain of Custody Relinquished:	☐Yes	☐No	☐N/A	4.
Sampler Name & Signature on COC:	☐Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☐No	☐N/A	7.
Containers Intact:	☐Yes	☐No	☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes	☐No	☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes	☐No	☐N/A	10 (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)				11. Present Absent
~~Residual Chlorine Check (Total/Amenable/Free Cyanide)~~				~~12. Present Absent~~
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A	13
Headspace Wisconsin Sulfide	☐Yes	☐No		14
Trip Blank Present:	☐Yes	☐No	☐N/A	15
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	15.
Sufficient Volume:	☒Yes	☐No	☐N/A	16.
Correct Containers Used:	☒Yes	☐No	☐N/A	17.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Ward Herst Date/Time: 11-23-15 08:40

Comments/ Resolution: MO-3-SDR 11-17-2015 @ 11:25 pictures taken sent to email - RECEIVED 11-21. PROCEED WITH ANALYSIS... TEMP 8.3°C AND CLOSE TO HOLD TIMES

Project Manager Review: [illegible] **Date:** 11-30-15

Form F-IN-Q-290-rev.09, 13Oct2015

Sample Container Count

CLIENT: Republic

COC PAGE ____ of ____

COC ID# _____

Project # _____

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z			pH <2	pH >9	pH>12
1	3	6		2					1	1		1		1				1						
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A 3405 Hollenberg Drive
Required Client Information:

Company:	Republic Services - Missouri Landfills
Address:	~~4051 North St. Peters Parkway~~ Bridgeton, MO 63044
St. Charles, MO 63304	
Email:	jwilkinson@~~[illegible]~~ republicservices.com
Phone: (636)578-8635	Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Jon Wilkinson
Copy To:	
Purchase Order #:	
Project Name:	Bridgeton App II 4Q 2015
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	chris.boyle@pacelabs.com,
Pace Profile #:	4762 see PM for line items

Regulatory Agency:

State / Location: MO

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Cl, F, SO4, TDS, Phosphorus	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151	Residual Chlorine (Y/N)	50132719
1	PZ-100-SS	WT	G	11/17/15	0938				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		002
2	PZ-100-SD			11/17/15	1315				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		003
3	TB-01			11/17/15									2											X						004
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	David Herst	11/17/15	1700	To Fed Ex 777499850565	11/17/15	1700				
	FED Ex			Joseph R. Hamilton	11-18-15	0920	0.5	Y	N	Y
							1.1			
							0.3			

TEMP in C | Received on ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: David Herst

SIGNATURE of SAMPLER: David Herst

DATE Signed: 11/17/15

Sample Container Count

CLIENT: REPUBLIC SERVICES-MO BRIDGETON

COC PAGE 2 of 2

COC ID# _____

Project # 50132719

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z				pH <2	pH >9	pH>12
1	3	6		2					1	1		1		1				1				✓	✓	✓
2	↓	↓		↓					↓	↓		↓		↓				↓						
3	2																							
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Condition Upon Receipt

Pace Analytical

Client Name: Republic Services - MD Baltimore Project # S0132719

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7749 9950 5062 1501 8/5165

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Date/Time 5035A kits placed in freezer _____

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) 0.5/0.5 1.1/1.1 0.3/0.3 Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11-18-15 JRF

		Comments:
Are samples from West Virginia? Document any containers out of temp.	☐Yes ☒No	1.
Chain of Custody Present:	☒Yes ☐No ☐N/A	2.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	3.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	4.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Containers Intact:	☒Yes ☐No ☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes ☒No ☐N/A	9. COC LISTS A TOTAL OF 15 CONTAINERS FOR EACH SAMPLE, BUT ~~[illegible]~~ PROVIDED 16 PER SAMPLE
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☒Yes ☐No ☐N/A	10 (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	13
Headspace Wisconsin Sulfide	☐Yes ☐No	14
Trip Blank Present:	☐Yes ☐No ☐N/A	15
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	15.
Sufficient Volume:	☒Yes ☐No ☐N/A	16.
Correct Containers Used:	☒Yes ☐No ☐N/A	17.

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 9 CONT'D: COOLER CONTAINING SAMPLE 'MD-3-SDR' DID NOT ARRIVE TODAY.

Project Manager Review: CAB **Date:** 11-30-15

Form F-IN-Q-290-rev.09, 13Oct2015

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Republic Services - Missouri Landfills	Report To:	Jon Wilkinson	Attention:	
Address:	~~4631 North St. Peters Parkway~~	Copy To:		Company Name:	
~~St Charles, MO 63304~~	Bridgeton, MO 63044			Address:	
Email:	jwilkinson@herstassociates.com	Purchase Order #:		Pace Quote:	
Phone:	(636)578-8635 Fax:	Project Name:	Bridgeton App II 4Q 2015	Pace Project Manager:	chris.boyle@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	4762 see PM for line items

Regulatory Agency

State / Location: MO

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Cl, F, SO4, TDS, Phosphoru	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151			Residual Chlorine (Y/N)	50132719
1	PZ-201-ASS	WT	G	11/18/15	0834				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				005
2	PZ-104-SS			11/18/15	1053				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				006
3	PZ-104-SD			11/18/15	1340				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				007
4	PZ-104-SD-D			11/18/15	1340				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				008
5	PZ-104-KS			11/18/15	1550				9	4		1	3	1								X	X	X	X		X					see DOT (11) 009
6	TB-02			11/18/15					3				3											X								sheet 010
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Ward Herst	11/18/15	1730	TO Fed Ex	11/18/15	1730				
				Fed Ex # 8033 7937	0957					
	FEDEX			[signature]	11/19/15	0843	2.1,	Y	Y	Y
							2.2,	2.3,	2.1,	2.2, 2.8 2.3

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ward Herst

SIGNATURE of SAMPLER: Ward Herst

DATE Signed: 11/18/15

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Sample Container Count

CLIENT: BR. DEETAW LF

COC PAGE ____ of ____
COC ID# _____

Project # 50132719

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z				pH <2	pH >9	pH>12
1	3	6		2					1	1	5	1		1				1				✓	✓	✓
2	1	1		1					1	1	4	1		1				1				1	1	1
3											3													
4		1		1					1	1	1	1		1				1					1	1
5		4							1					1								1		
6	1																							
7																								
8																								
9																								
10																								
11																								
12																								

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:

Company:	Republic Services - Missouri Landfills
Address:	~~4631 North St. Peters Parkway~~ 3405 Hollenberg Drive
	~~St Charles, MO 63304~~ Bridgeton, MO 63044
Email:	jwilkinson@~~hestreesolutions.com~~ geotechnical.com
Phone: (636)578-8635	Fax:
Requested Due Date:	

Section B Required Project Information:

Report To:	Jon Wilkinson
Copy To:	
Purchase Order #:	
Project Name:	Bridgeton App II 4Q 2015
Project #:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	chris.boyle@pacelabs.com,
Pace Profile #:	4762 see PM for line items

Regulatory Agency:

State / Location: MO

Requested Analysis Filtered (Y/N):

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analysis Test Y/N	Cl, F, SO4, TDS, Phosphorus	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151	Residual Chlorine (Y/N)	50132719
1	MO-1-SDR	WT	G	11/6/15	1051				~~12~~ 25		1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		011
2	MO-1-SS			11/6/15	1420				2	5	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		012
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				FedEx #8033 7937 0957			
	FedEx				11/6/15	0945	2.1 Y Y Y
							2.2, 2.3, 2.1, 2.2, 2.2, 2.3

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Geotechnical / MDNR

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Sample Container Count

CLIENT: BRIDGETON LF

COC PAGE ____ of ____

COC ID# _____

Project # 50132719

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z				pH <2	pH >9	pH>12
1	3	3		2					1	1		1		1				1				✓	✓	✓
2	3	3		2					1	1		1		1				1				✓	✓	✓
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Condition Upon Receipt

Pace Analytical Client Name: BRIDGETON LF Project # 50132719

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8023 7937 0957

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer _____

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 2.1, 2.2, 2.3, 2.1, 2.2, 2.8, 2.3 Ice Visible in Sample Containers: ☐ yes ☑ no

(Initial/Corrected)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: [illegible] 11/19/15

		Comments:
Are samples from West Virginia? Document any containers out of temp.	☐Yes ☑No	1.
Chain of Custody Present:	☑Yes ☐No ☐N/A	2.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	3.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Containers Intact:	☑Yes ☐No ☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☑Yes ☐No ☐N/A	10 (Circle) HNO3 ~~H2SO4~~ NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	13
Headspace Wisconsin Sulfide	☐Yes ☐No	14
Trip Blank Present:	☑Yes ☐No ☐N/A	15
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	15.
Sufficient Volume:	☑Yes ☐No ☐N/A	16.
Correct Containers Used:	☑Yes ☐No ☐N/A	17.

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review: CBB Date: 11-30-15

Form F-IN-Q-290-rev.09, 13Oct2015

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A — Required Client Information:

Company:	Republic Services - Missouri Landfills
Address:	4631 North St. Peters Parkway
St Charles, MO 63304	
Email:	jwilkinson@herstassociates.com
Phone: (636)578-8635	Fax:
Requested Due Date:	

Section B — Required Project Information:

Report To:	Jon Wilkinson
Copy To:	
Purchase Order #:	
Project Name:	Bridgeton App II 4Q 2015
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	chris.boyle@pacelabs.com,
Pace Profile #:	4762 see PM for line items

Regulatory Agency

State / Location: MO

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N)	Cl, F, SO4, TDS, Phosphoru	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151	Residual Chlorine (Y/N)	50132719
1	PZ-210-SS	WT	G	11/19/15	0835				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		013
2	PZ-210-SD			11/19/15	1027				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		014
3	PZ-105-SS			11/19/15	1323				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		015
4	TB-03			11/19/15					2				2											X						016
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature]	11/19/15	1600	To FedEx	11/19/15	1600
				FedEx #803379370968		
	FEDEX			[signature]	11/20/15	0845

SAMPLE CONDITIONS

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.3	Y	Y	Y
1.8	1.7		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jon Herst

SIGNATURE of SAMPLER: [signature] DATE Signed: 11/19/15

Sample Container Count

CLIENT: BRIDGETON LE

COC PAGE ____ of ____
COC ID# _____

Project # 50432719

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z				pH <2	pH >9	pH>12
1	3	6							1	1		1		1				1						
2	↓	↓							↓	↓		↓		↓				↓						
3	↓	↓							↓	↓		↓		↓				↓						
4	2																							
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Condition Upon Receipt

Pace Analytical

Client Name: Bridgeton LC Project # 50132719

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 803379370968

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer _____

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 1.3, 1.8, 1.7 / 1.3, 1.8, 1.7 (Initial/Corrected) Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: [illegible] 11/25/15

		Comments:
Are samples from West Virginia? Document any containers out of temp.	☐Yes ☑No	1.
Chain of Custody Present:	☑Yes ☐No ☐N/A	2.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	3.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Containers Intact:	☑Yes ☐No ☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G. All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☑Yes ☐No ☐N/A	10 (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	13
Headspace Wisconsin Sulfide	☐Yes ☐No	14
Trip Blank Present:	☑Yes ☐No ☐N/A	15
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	15.
Sufficient Volume:	☑Yes ☐No ☐N/A	16.
Correct Containers Used:	☑Yes ☐No ☐N/A	17.

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review: [illegible] Date: 11-30-15

Form F-IN-Q-290-rev.09, 13Oct2015

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A — Required Client Information:

Company: Republic Services - Missouri Landfills
Address: 4631 North St. Peters Parkway
St Charles, MO 63304
Email: jwilkinson@herstassociates.com
Phone: (636)578-8635 Fax:
Requested Due Date:

Section B — Required Project Information:

Report To: Jon Wilkinson
Copy To:
Purchase Order #:
Project Name: Bridgeton App II 4Q 2015
Project #:

Section C — Invoice Information:

Attention:
Company Name:
Address:
Pace Quote:
Pace Project Manager: chris.boyle@pacelabs.com,
Pace Profile #: 4762 see PM for line items

Regulatory Agency:
State / Location: MO

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analysis Test Y/N	Cl, F, SO4, TDS, Phosphorus	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151	Residual Chlorine (Y/N)	50132719
1	PZ-114-AS	WT	G	11/20/15	0835				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		-017
2	PZ-115-SS			11/20/15	1040				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		-018
3	PZ-202-SS			11/20/15	1330				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		Take lab pH -019
4	TB-04			11/20/15					3				3											X			-020			
5																														
6																														
7	Take a lab pH on PZ-202-SS																													
8	Field probe not functioning																													
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Ward Herst	11/20/15	1615	To Fed Ex	11/20/15	1615	0.8			
	FEDEX-BAS	11-21-15	0930	Bria Sth / PACE	11-21-15	0930	1.7 1.9	Y	Y	Y
				Fed Ex #8033 7937 0980						
				Saturday Delivery						

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ward Herst

SIGNATURE of SAMPLER: Ward Herst

DATE Signed: 11/20/15

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Republic Services Project # 50132719

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 803379370980

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 5035A kits placed in freezer _____

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) 0.8/0.8, 1.7/1.7, 1.9/1.9°C Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: 11-21-15 RAS

		Comments:
Are samples from West Virginia? Document any containers out of temp.	☐Yes ☒No	1.
Chain of Custody Present:	☒Yes ☐No ☐N/A	2.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	3.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	4.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Containers Intact:	☒Yes ☐No ☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes ☐No ☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☒Yes ☐No ☐N/A	10 (Circle) (HNO3) H2SO4 (NaOH) (NaOH/ZnAc)
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present (Absent)
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	13
Headspace Wisconsin Sulfide	☐Yes ☐No	14
Trip Blank Present:	☒Yes ☐No ☐N/A	15
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	15.
Sufficient Volume:	☒Yes ☐No ☐N/A	16.
Correct Containers Used:	☒Yes ☐No ☐N/A	17.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt **Date:** 11/21/15

Form F-IN-Q-290-rev.09, 13Oct2015

Sample Container Count

CLIENT: Republic Services

COC PAGE 1 of 1

COC ID#

Project # 50132719

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	B832						
1	3	6		2						1	1		1		1				1						
2	↓	↓		↓						↓	↓		↓		↓				↓						
3	↓																								
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

pH <2 pH >9 pH>12

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

F-IN-Q-270-rev.06,11May2015

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Republic Services - Missouri Landfills	Report To:	Jon Wilkinson	Attention:	
Address:	4631 North St. Peters Parkway	Copy To:		Company Name:	
St Charles, MO 63304				Address:	
Email:	jwilkinson@herstassociates.com	Purchase Order #:		Pace Quote:	
Phone:	(636)578-8635 Fax:	Project Name:	Bridgeton App II 4Q 2015	Pace Project Manager:	chris.boyle@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	4762 see PM for line items

Regulatory Agency

State / Location: MO

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX: CODE: Drinking Water DW; Water WT; Waste Water WW; Product PI; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Cl, F, SO4, TDS, Phosphorus	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151			Residual Chlorine (Y/N)	50132719
1	MO-2-SD	WT	G	11/23/15	1105				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				022
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
				FEDEX						
	FEDEX			[signature]	11/24/15	0960	1.6	7	7	7
							2.7			
							1.9	2.3		
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Geotechnology

SIGNATURE of SAMPLER:

DATE Signed:

Sample Container Count

CLIENT: Bridgeton LF

COC PAGE ____ of ____
COC ID# _____

Project # 50132719

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z				pH <2	pH >9	pH>12
1	3	6		2						1	1		1		1				1						
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Republic Services - Missouri Landfills	Report To:	Jon Wilkinson	Attention:	
Address:	4631 North St. Peters Parkway	Copy To:		Company Name:	
St Charles, MO 63304				Address:	
Email:	jwilkinson@herstassociates.com	Purchase Order #:		Pace Quote:	
Phone:	(636)578-8635 Fax:	Project Name:	Bridgeton App II 4Q 2015	Pace Project Manager:	chris.boyle@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	4762 see PM for line items

Regulatory Agency:

State / Location: MO

ITEM #	SAMPLE ID (One Character per box.□ (A-Z, 0-9 / , -)□ Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N)	Cl, F, SO4, TDS, Phosphorus	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151			Residual Chlorine (Y/N)	50132719
1	PZ-103-SS	WT	G	11/23/15	0915				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				023
2	PZ-203-SS			11/23/15	1100				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				024
3	MW-1204*			11/23/15	1428				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X				025
4	TB-05			11/24/15					3				3											X								026
5																																
6	*Water was foamy at MW-1204. VOAs																															
7	collected unpreserved at MW-1204.																															
8	Not possible to collect VOAs																															
9	with zero headspace.																															
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Ward Herst	11/23/15	1700	To Fed Ex	11/23/15	1700				
	FEDEX			[signature]	11/24/15	0910	1.6	7	7	7
							2.7			
							1.9	2.3		

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Ward Herst
SIGNATURE of SAMPLER:	Ward Herst
DATE Signed:	11/23/15

TEMP in C | Received on Ice□ (Y/N) | Custody Sealed□ Cooler□ (Y/N) | Samples Intact□ (Y/N)

Sample Container Count

CLIENT: Bridgeton LF

COC PAGE ____ of ____

COC ID# _____

Project # 50132719

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z				pH <2	pH >9	pH>12
1	3	6		2					1	1		1		1				1				✓	✓	✓
2	↓	↓		↓					↓	↓		↓		↓				↓				✓	7	✓
3																						7	7	7
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Condition Upon Receipt

Pace Analytical Client Name: BEDGETON LF Project # 50132719

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 6033 7937 0990

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer _____

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) 1.6,2.7,1.8,2.3/1.4,2.7,1.9,2.3 Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: TRL 11/30/15

		Comments:
Are samples from West Virginia? Document any containers out of temp.	☐Yes ☑No	1.
Chain of Custody Present:	☑Yes ☐No ☐N/A	2.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	3.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Containers Intact:	☑Yes ☐No ☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☑Yes ☐No ☐N/A	10 (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc TRL P210355 BP3Z pH 7 MW1204 ~~BP3N~~, BP3N pH 7 BP3C, BP3Z pH 7
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
~~Residual Chlorine Check (Total/Amenable/Free Cyanide)~~	~~TRL~~	~~12. Present Absent~~
Headspace in VOA Vials (>6mm):	☑Yes ~~☐No~~ ☐N/A	13 MW1204 3/3
Headspace Wisconsin Sulfide	☐Yes ☐No	14
Trip Blank Present:	☑Yes ☐No ☐N/A	15
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	15.
Sufficient Volume:	☑Yes ☐No ☐N/A	16.
Correct Containers Used:	☑Yes ☐No ☐N/A	17.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CBB Date: 11-30-15

Form F-IN-Q-290-rev.09, 13Oct2015

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

50132719

Page : 1 Of 1

Section A
Required Client Information:

Company:	Republic Services - Missouri Landfills
Address:	4631 North St. Peters Parkway
St Charles, MO 63304	
Email:	jwilkinson@herstassociates.com
Phone:	(636)578-8635 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Jon Wilkinson
Copy To:	
Purchase Order #:	
Project Name:	Bridgeton App II 4Q 2015
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	chris.boyle@pacelabs.com,
Pace Profile #:	4762 see PM for line items

Regulatory Agency:

State / Location: MO

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analysis Test Y/N	Cl, F, SO4, TDS, Phosphoru	TOC, NH3, NO3/NO2, COD	Cyanide	Sulfide by SM4500-S2-D	Metals, Mercury	8260 volatiles	8270 Semivolatiles	Pesticides 8081	PCBs by 8082	Herbicides by 8151	Residual Chlorine (Y/N)	
1	PZ-204-SS	WT	G	11/24/15	0932				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		027
2	PZ-106-SD*			11/24/15	1235				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		028
3	PZ-106-SS			11/24/15	1425				15	8	1	1	3	1			1		X	X	X	X	X	X	X	X	X	X		029
4	TB-06			11/24/15					3				3											X						030
5																														
6	*VOAs effervesced. VOAs																													
7	collected unpreserved																													
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Ward Herst	11/24/15	1630	To Fed Ex 8033 1937 1004	11/24/15	1630				
	Felix			Elaina Jones	11/25/15	900	21	Y	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ward Herst

SIGNATURE of SAMPLER: Ward Herst

DATE Signed: 11/24/15

Sample Container Count

CLIENT: Republic

COC PAGE 1 of 1

COC ID# _____

Project # _____

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	BP3Z				pH <2	pH >9	pH>12
1	3	6		2					1	1		1		1				1				✓	✓	✓
2	3	6		2					1	1		1		1				1				✓	✓	✓
3	3	6		2					1	1		1		1				1				✓	✓	✓
4	3																							
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Condition Upon Receipt

Pace Analytical™ Client Name: Republic Project # _____

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer _____

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) 2.1°C/2.1°C

Ice Visible in Sample Containers: ☐ yes ☑ no

Date and Initials of person examining contents: AJ 11/25/15 1027

Temp should be above freezing to 6°C

		Comments:
Are samples from West Virginia?	☐Yes ☑No	1.
Document any containers out of temp.		
Chain of Custody Present:	☑Yes ☐No ☐N/A	2.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	3.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Containers Intact:	☑Yes ☐No ☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☑Yes ☐No ☐N/A	10 (Circle) HNO3 ~~H2SO4~~ NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
~~Residual Chlorine Check (Total/Amenable/Free Cyanide)~~		~~12. Present Absent~~
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	13
Headspace Wisconsin Sulfide	☐Yes ☐No	14
Trip Blank Present:	☑Yes ☐No ☐N/A	15
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	15.
Sufficient Volume:	☑Yes ☐No ☐N/A	16.
Correct Containers Used:	☑Yes ☐No ☐N/A	17.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CTH Date: 11-30-15

Form F-IN-Q-290-rev.09, 13Oct2015

HERST & ASSOCIATES, INC.*

Global Presence
Personal Attention

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: W. Herst J. Wilkinson-Feezor

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-85	11/16/15	1056	25.83	21.22	77.17	77.19	
I-68		0920	19.03	14.29	40.47	40.47	
I-73		1444	30.76	27.45	50.54	50.82	
LR-103		1436	39.29	35.90	49.80	49.90	
LR-104		1430	32.35	28.95	69.33	69.33	
MW-1204		1536	16.39	16.48	222.52	223.98	
PZ-100-KS		0946	23.77	22.22	381.32	381.34	
PZ-100-SD		0957	30.59	28.90	96.21 (Top of Pump)	96.19 (Top of Pump)	
PZ-100-SS		0959	28.56	27.70	89.37 (Top of Pump)	89.40 (Top of Pump)	
PZ-101-SS		1137	37.88	36.64	155.63	155.65	
PZ-102-SS		1149	19.88	18.43	91.25	91.25	
PZ-102R-SS		1145	19.80	18.20	91.15	91.02	
PZ-103-SS		1157	11.57	9.48	149.62	149.88	
PZ-104-KS		1617	17.24	15.72	93.30 (Top of Pump)	93.27 (Top of Pump)	
PZ-104-SD		1612	21.62	21.27	120.63 (Top of Pump)	120.52 (Top of Pump)	
PZ-104-SS		1608	20.33	18.51	140.25 (Top of Pump)	140.61 (Top of Pump)	
PZ-105-SS		1544	25.15	25.44	144.85 (Top of Pump)	144.92 (Top of Pump)	
PZ-106-KS		1520	3.02	1.58	375.00	374.97	
PZ-106-SD		1508	13.21	11.63	196.23 (Top of Pump)	196.24 (Top of Pump)	
PZ-106-SS		1515	12.49	10.85	161.39 (Top of Pump)	161.53 (Top of Pump)	
PZ-107-SS		1500	32.98	29.98	103.78	104.00	
PZ-109-SS		1413	25.43	20.64	131.00 (Top of Pump)	129.81 (Top of Pump)	
PZ-110-SS		1406	29.93	26.24	107.21 (Top of Pump)	107.02 (Top of Pump)	
PZ-111-KS		1341	7.45	6.14	374.60	374.59	
PZ-111-SD		1358	34.51	31.19	197.08 (Top of Pump)	196.89 (Top of Pump)	
PZ-112-AS		1128	31.22	27.29	38.37	38.34	
PZ-113-AD		1115	30.33	26.29	110.11	110.12	
PZ-113-AS		1112	30.25	26.24	39.01	39.25	
PZ-113-SS		1118	30.56	26.60	160.21	160.24	

Herst & Associates, Inc. • 4631 North St. Peters Parkway • St. Charles, Missouri 63304 • Tele: (636) 939-9111 • Fax: (636) 939-9757

HERST & ASSOCIATES, INC.®

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Personal Attention

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: W. Herst J. Wilkinson-Feezor

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-114-AS	11/16/15	0913	19.52	14.52	26.11 (Top of Pump)	26.29 (Top of Pump)	
PZ-115-SS		0910	15.28	10.67	81.03 (Top of Pump)	81.07 (Top of Pump)	
PZ-116-SS		1529	17.69	17.65	149.65 (Top of Pump)	149.89 (Top of Pump)	
PZ-200-SS		0938	20.41	19.84	99.49	99.57	Labeled as GMP-7.
PZ-201A-SS		0925	10.14	7.89	86.20 (Top of Pump)	86.22 (Top of Pump)	
PZ-202-SS		1209	12.55	11.22	85.24 (Top of Pump)	85.23 (Top of Pump)	
PZ-203-SS		1552	25.61	25.99	111.37	111.36	
PZ-204-SS		1031	7.15	10.27	88.00	88.03	
PZ-204A-SS		1027	5.12	5.18	84.38	84.27	
PZ-205-AS		1454	29.22	29.33	54.07	54.05	
PZ-205-SS		1449	30.90	27.71	92.94 (Top of Pump)	93.00 (Top of Pump)	
PZ-206-SS		1420	29.18	25.85	129.80	130.01	
PZ-207-AS		1103	31.05	26.63	38.95	39.00	
PZ-208-SS		1045	19.72	18.93	100.36	100.36	
PZ-209-SD		1213	24.35	23.45	101.40 (Top of Pump)	101.42 (Top of Pump)	
~~PZ-209-SS~~		~~1219~~	~~22.56~~	21.16	~~99.90 (Top of Pump)~~	~~100.00 (Top of Pump)~~	
PZ-210-SD		1558	27.16	27.25	101.79 (Top of Pump)	101.81 (Top of Pump)	
PZ-210-SS		1602	26.45	25.97	101.44 (Top of Pump)	101.53 (Top of Pump)	
PZ-211-SD		1225	22.97	22.16	99.35 (Top of Pump)	99.41 (Top of Pump)	
PZ-211-SS		1229	21.13	19.60	98.14 (Top of Pump)	98.18 (Top of Pump)	
PZ-212-SD		1010	15.43	13.26	92.60 (Top of Pump)	92.81 (Top of Pump)	
PZ-212-SS		1014	12.94	11.22	93.88 (Top of Pump)	94.00 (Top of Pump)	
PZ-305-AI		1428	31.84	28.59	43.70	43.67	
S-84		~~1056~~ 1052	25.57	21.02	32.89	32.91	

Herst & Associates, Inc. • 4631 North St. Peters Parkway • St. Charles, Missouri 63304 • Tele: (636) 939-9111 • Fax: (636) 939-9757

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Personal Attention

FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-100-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 485.84

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/17/15

Initial Water Level (feet): 29.49 0910

Initial Water Level Previous Event (feet): 27.90

Ground Water Elevation (ft, msl): 456.35

Ground Water Elevation Previous Event (ft, msl): 457.94

Well Total Depth (feet): Top of Pump = 89.37

Well Total Depth Previous Event (feet): Top of Pump = 89.40

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 4,000

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 37.79

Date/Time Completed: 11/17/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 47 psi

Average Purge Rate: 222 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
0916	225	1,350	15.8	7.04	843 µS	6.47	31.61	1,350 mL purged
0920	225	2,250	15.8	7.06	839	2.12	33.58	before 1st reading
0924	212.5	3,100	15.8	7.05	837	1.11	35.53	
0928	225	4,000	15.9	7.04	830	0.82	37.79	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-100-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 37.79

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/17/15 0933	VOC: ~225 Other: ~225	15.9	7.04	830	0.82		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/17/15 0810

End of day: (Date/time) 11/17/15 1500

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 29205003

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.07	NTU std = 0.02	0.49	NTU std = 0.02
9.92	NTU std = 10.0	10.67	NTU std = 10.0
985.5	NTU std = 1,000	992.6	NTU std = 1,000
4.05 7.06 10.06	4.01 7.00 10.01	4.09 7.07 10.16	
1440	1413 µS	1394	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Rainy, Windy, 50's

Sample Characteristics: Clear, no odor

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 1,007 µS; Historical Range from Nov 2010 - Aug 2015: 620 - 855 µS.

pH Prediction Limits = 6.27 - 8.22 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.83 - 7.27 s.u.

Well Closed and Locked?: Y / N Full Suite Collected?: Y / N # Bottles Collected: 15

Date: 11/17/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-100-SD

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 485.82

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/17/15 1256

Initial Water Level (feet): 30.30

Initial Water Level Previous Event (feet): 29.12

Ground Water Elevation (ft, msl): 455.52

Ground Water Elevation Previous Event (ft, msl): 456.70

Well Total Depth (feet): Top of Pump = 96.21

Well Total Depth Previous Event (feet): Top of Pump = 96.19

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 4,300

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 40.31

Date/Time Completed: 11/17/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: ~~52~~ 50 psi

Average Purge Rate: 239 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1300	~~375~~	1,500	15.9	7.53	634	0.68	34.44	Purge 1,500 ml prior to
1304	187.50	2,250	15.8	7.27	641	0.38	35.78	first reading
1308	250	3,250	15.8	7.24	636	0.30	37.93	
1312	262.5	4,300	15.8	7.24	635	0.01	40.31	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-100-SD

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 40.31

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/17/15 1315	VOC: 2262.5 Other: 2262.5	15.8	7.24	635	0.01		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/17/15 0810

End of day: (Date/time) 11/17/15 1500

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20220503

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.07	NTU std = 0.02	0.49	NTU std = 0.02
9.92	NTU std = 10.0	10.67	NTU std = 10.0
985.5	NTU std = 1,000	992.6	NTU std = 1,000
4.05 7.06 10.06	4.01 7.00 10.01	4.09 7.07 10.16	
1440	1413 µS	1394	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Cloudy, windy, low 60s

Sample Characteristics: clear, no odor

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 718.1 µS; Historical Range from Nov 2010 - Aug 2015: 596 - 826 µS.

pH Prediction Limits = 6.54 - 8.15 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.95 - 7.57 s.u.

Well Closed and Locked?: (Y) / N Full Suite Collected?: (Y) / N # Bottles Collected: 15

Date: 11/17/15 By: W. Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-201A-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 480.16

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Dedicated Equipment: Yes ✓ No

Date/Time Initiated: 11/18/15 0813

Casing Diameter (inches): 2

Initial Water Level (feet): 7.83

One Borehole Volume (gal): Not Applicable

Initial Water Level Previous Event (feet): 7.96

One Borehole Volume Previous Event (gal): N/A

Ground Water Elevation (ft, msl): 470.33

Total Volume Purged (mL): 4,850

Ground Water Elevation Previous Event (ft, msl): 472.20

Purged Dry?: Yes ____ No ✓

Well Total Depth (feet): Top of Pump = 86.20

Water Level after Purge (feet): 20.49

Well Total Depth Previous Event (feet): Top of Pump = 86.22

Date/Time Completed: 11/18/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 50 psi

Average Purge Rate: 269 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
0819	292	1,750	16.2	6.85	862	4.54	13.60	Purge 1,750 mL
0823	244	2,725	16.4	7.12	858	4.53	15.88	prior to 1st
0827	256	3,750	16.3	7.15	852	1.72	18.14	reading
0831	275	4,850	16.1	7.20	851	1.33	20.49	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-201A-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 20.49

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/18/15 0834	VOC: ~275 Other: ~275	16.1	7.20	851	1.33		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/18/15 0735

End of day: (Date/time) 11/18/15 1615

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 201205083

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.02	NTU std = 0.02	0.04	NTU std = 0.02
10.0	NTU std = 10.0	10.68	NTU std = 10.0
994.9	NTU std = 1,000	1,045	NTU std = 1,000
3.99	4.01	4.07	
7.01	7.00	7.11	
10.14	10.01	10.08	
1,412	1,413 µS	1,454	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Cloudy, windy, low 50s

Sample Characteristics: Clear, no odor

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 989.9 µS; Historical Range from Nov 2010 - Aug 2015: 793 - 856 µS.

pH Prediction Limits = 6.29 - 8.405 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.80 - 7.10 s.u.

Well Closed and Locked?: Y / N Full Suite Collected?: Y / N # Bottles Collected: 15

Date: 11/18/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-104-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 483.63

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/18/15 1032

Initial Water Level (feet): 20.49

Initial Water Level Previous Event (feet): 30.85

Ground Water Elevation (ft, msl): 463.14

Ground Water Elevation Previous Event (ft, msl): 452.78

Well Total Depth (feet): Top of Pump = 140.25

Well Total Depth Previous Event (feet): Top of Pump = 140.61

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 6,600

Purged Dry?: Yes ___ No ✓

Water Level after Purge (feet): 34.49

Date/Time Completed: 11/18/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 75 psi

Average Purge Rate: 347 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1039	393	2,750	25.8	7.03	828	1.76	26.06	Purge ~~3,850~~ 2,750 ml
1043	275	3,850	25.9	6.98	827	2.12	28.60	prior to 1st
1047	337.5	5,200	25.7	6.99	820	2.31	31.45	reading
1051	350	6,600	25.6	6.98	817	1.47	34.49	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-104-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 34.49

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ✓ Assessment

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/18/15 1053	VOC: ~350 Other: ~350	25.6	6.98	817	1.47		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/18/15 0735

End of day: (Date/time) 11/18/15 1615

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20205083

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.02	NTU std = 0.02	0.04	NTU std = 0.02
10.0	NTU std = 10.0	10.68	NTU std = 10.0
994.9	NTU std = 1,000	1045	NTU std = 1,000
3.99	4.01	4.07	
7.01	7.00	7.11	
10.14	10.01	10.08	
1412	1,413.45	1,454	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, windy, 50's

Sample Characteristics: Clear, no odor

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 963.7 µS; Historical Range from Nov 2010 - Aug 2015: 535 - 882 µS.

pH Prediction Limits = 6.15 - 8.41 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.48 - 7.30 s.u.

Well Closed and Locked?: Y / N Full Suite Collected? Y / N # Bottles Collected: 15

Date: 11/18/15 By: W. Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-104-SD

Sampler(s): W. Herst
J Wilkinson

Top of Casing (ft, msl) 483.69

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/18/15 1318

Initial Water Level (feet): 21.12

Initial Water Level Previous Event (feet): 21.28

Ground Water Elevation (ft, msl): 462.57

Ground Water Elevation Previous Event (ft, msl): 462.41

Well Total Depth (feet): Top of Pump = 120.63

Well Total Depth Previous Event (feet): Top of Pump = 120.52

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 6,000

Purged Dry?: Yes ____ No ✓

Water Level after Purge (feet): 26.37

Date/Time Completed: 11/18/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: ~~60~~ 65 psi

Average Purge Rate: 300 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1326	281	2,250	25.4	6.91	1,820	3.70	23.82	Purge 2,250 mL
1330	225	3,150	25.9	6.92	1,932	2.94	24.49	prior to 1st
1334	337.5	4,500	25.6	6.91	1,968	1.96	25.54	reading
1338	375	6,000	25.4	6.92	2,070	2.35	26.37	
		collected a duplicate sample here						

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-104-SD

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 26.37

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ✓ Assessment

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/18/15 1340	VOC: ~375 Other: ~375	25.4	6.92	2,070	2.35		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/18/15 0735

End of day: (Date/time) 11/18/15 1615

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 201205083

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.02	NTU std = 0.02	0.04	NTU std = 0.02
10.0	NTU std = 10.0	10.68	NTU std = 10.0
994.9	NTU std = 1,000	1,045	NTU std = 1,000
3.99	4.01	4.07	
7.01	7.00	7.11	
10.14	10.01	10.08	
1,412	1,413 µS	1,454	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, windy 50°s

Sample Characteristics: clear, septic odor, effervesces strongly

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 1,400 µS; Historical Range from Nov 2010 - Aug 2015: 836 - 1905 µS.

pH Prediction Limits = 6.30 - 8.24 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.44 - 7.44 s.u.

Well Closed and Locked?: Y N Full Suite Collected?: Y N # Bottles Collected: 15

Date: 11/18/15 By: Ward Hest Title: Manager Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-104-KS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 483.95

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/18/15 1533

Initial Water Level (feet): 16.62

Initial Water Level Previous Event (feet): 15.86

Ground Water Elevation (ft, msl): WN ~~93.~~ 467.33

Ground Water Elevation Previous Event (ft, msl): 468.09

Well Total Depth (feet): Top of Pump = 93.30

Well Total Depth Previous Event (feet): Top of Pump = 93.27

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 5,800

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 24.63

Date/Time Completed: 11/18/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 50 psi

Average Purge Rate: 362.5 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1537	1,750	437.5	22.7	7.32	817	2.62	19.68	Purge 1,750 ml
1541	3,000	312.5	22.9	7.39	810	3.64	21.60	prior to first
1545	4,450	362.5	22.9	7.35	834	3.77	23.25	reading
1549	5,800	337.5	22.9	7.32	832	2.70	24.63	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-104-KS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 24.63

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ____ Monthly: ____ Other: ✓ Assessment

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/18/15 1550	VOC: ~337.5 Other: N/A	22.9	7.32	832	2.70		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/18/15 0735

End of day: (Date/time) 11/18/15 1615

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20205283

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.02	NTU std = 0.02	0.04	NTU std = 0.02
10.0	NTU std = 10.0	10.68	NTU std = 10.0
994.9	NTU std = 1,000	1,045	NTU std = 1,000
3.99	4.01	4.07	
7.01	7.00	7.11	
10.14	10.01	10.08	
1,412	1,413 µS	1,454	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, Windy, 50°s

Sample Characteristics: Clear, no odor

COMMENTS AND OBSERVATIONS:

Well Closed and Locked? Y / N Full Suite Collected? Y / N # Bottles Collected: 9

Date: 11/18/15 By: W. Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-210-SS

Sampler(s): W Herst
J Wilkinson

Top of Casing (ft, msl) 486.90

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/19/15 0814

Initial Water Level (feet): 26.27

Initial Water Level Previous Event (feet): 26.09

Ground Water Elevation (ft, msl): 460.81

Ground Water Elevation Previous Event (ft, msl): 460.81

Well Total Depth (feet): Top of Pump = 101.44

Well Total Depth Previous Event (feet): Top of Pump = 101.53

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 5,100

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 36.64

Date/Time Completed: 11/19/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 47 psi

Average Purge Rate: 283 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
0820	292	1,750	13.9	7.09	776	2.91	29.58	Purge 1,750 mL prior to 1st reading
0824	262.5	2,800	13.8	7.25	768	2.08	31.90	
0828	300	4,000	14.0	7.25	761	1.88	34.36	
0832	275	5,100	14.1	7.29	762	1.51	36.64	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-210-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 36.64

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ____ Monthly: ____ Other: ✓ Assessment

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/19/15 0835	VOC: ~275 Other: ~275	14.1	7.29	762	1.51		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/19/15 0745

End of day: (Date/time) 11/19/15 1505

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20120 5083

pH / Sp. Cond. Meter: Oakton Newton 774766

pH / Sp. Cond. Meter S/N: Oakton Newton 774766

Start of day		End of day	
0.06	NTU std = 0.02	0.22	NTU std = 0.02
9.49	NTU std = 10.0	10.20	NTU std = 10.0
998.8	NTU std = 1,000	942.0	NTU std = 1,000
3.98	4.01	3.99	
7.13	7.00	7.19	
10.08	10.01	10.16	
1413	1413	1363	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, Windy, 40°s

Sample Characteristics: clear, no odor

COMMENTS AND OBSERVATIONS:

Well Closed and Locked? (Y/N) Full Suite Collected? (Y/N) # Bottles Collected: 15

Date: 11/19/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-210-SD

Sampler(s): N. Herst
J. Wilkinson

Top of Casing (ft, msl) 487.01

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/19/15 1004

Initial Water Level (feet): 27.11

Initial Water Level Previous Event (feet): 27.21

Ground Water Elevation (ft, msl): 459.80

Ground Water Elevation Previous Event (ft, msl): 459.80

Well Total Depth (feet): Top of Pump = 101.79

Well Total Depth Previous Event (feet): Top of Pump = 101.81

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 7,175

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 41.62

Date/Time Completed: 11/19/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: ~~55~~ 50 psi

Average Purge Rate: 359 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1008	437.5	1,750	14.1	7.69	1050	6.86	30.58	Purge 1,750mL?
1012	350	3150	14.3	7.40	1020	5.60	33.52	prior to
1016	344	4525	14.4	7.30	1017	1.07	36.35	1st reading
1020	331	5850	14.3	7.29	1024	0.66	38.94	
1024	331	7,175	14.2	7.30	1019	0.75	41.62	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-210-SD

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 41.62

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ____ Monthly: ____ Other: ✓ Assessment

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/19/15 1027	VOC: ~330 Other: ~330	14.2	7.30	1019	0.75		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/19/15 0745

End of day: (Date/time) 11/19/15 1505

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20120503

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.06	NTU std = 0.02	0.22	NTU std = 0.02
9.49	NTU std = 10.0	10.20	NTU std = 10.0
998	NTU std = 1,000	942.0	NTU std = 1,000
3.98	4.01	3.99	
7.13	7.00	7.19	
10.08	10.01	10.16	
1413	1413	1363	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 40's, cold wind

Sample Characteristics: clear, septic odor

COMMENTS AND OBSERVATIONS:

Well Closed and Locked?: Y / N Full Suite Collected?: Y / N # Bottles Collected: 15

Date: 11/19/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-105-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 483.61

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/19/15 1259

Initial Water Level (feet): 24.87

Initial Water Level Previous Event (feet): 25.40

Ground Water Elevation (ft, msl): 458.74

Ground Water Elevation Previous Event (ft, msl): 458.21

Well Total Depth (feet): Top of Pump = 144.85

Well Total Depth Previous Event (feet): Top of Pump = 144.92

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 5,750

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 37.33

Date/Time Completed: 11/19/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 77 psi

Average Purge Rate: 274 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1308	305	2,750	16.6	7.56	946	18.07	30.71	Purge 2750 ml
1312	237.5	3,700	16.7	7.40	940	11.15	32.92	prior to 1st purge
1316	250	4,700	16.8	7.37	941	6.54	34.98	
1320	262.5	5,750	16.8	7.37	942	4.46	37.33	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-105-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 37.33

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/19/15 1323	VOC: ~250	16.8	7.37	942	4.46		
	Other: ~250						

INSTRUMENT CALIBRATION DATA:

	Start of day		End of day	
Start of day: (Date/Time) 11/19/15 0745	0.06	NTU std = 0.02	0.22	NTU std = 0.02
End of day: (Date/time) 11/19/15 1505	9.49	NTU std = 10.0	10.20	NTU std = 10.0
Turbidity Meter: HF MicroTPW	998.8	NTU std = 1,000	942.0	NTU std = 1,000
Turbidity Meter S/N: 201205083	3.98	4.01	3.99	
pH / Sp. Cond. Meter: Oakton Rental 774966	7.13	7.00	7.19	
	10.08	10.01	10.16	
pH / Sp. Cond. Meter S/N: Oakton Rental 774966	1413	1413	1363	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, windy, 50's

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 1,067 µS; Historical Range from Nov 2010 - Aug 2015: 820 - 1080 µS.

pH Prediction Limits = 6.66 - 8.30 s.u.; Historical Range from Nov 2010 - Aug 2015: 7.15 - 7.52 s.u.

Well Closed and Locked?: Y / N Full Suite Collected?: Y / N # Bottles Collected: 15

Date: 11/19/15 By: Wood Herst Title: Manager Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-114-AS

Sampler(s): W. Herst
J. W. Kasson

Top of Casing (ft, msl) 451.31

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/20/15 0820

Initial Water Level (feet): 18.95

Initial Water Level Previous Event (feet): 14.35

Ground Water Elevation (ft, msl): 432.36

Ground Water Elevation Previous Event (ft, msl): 436.96

Well Total Depth (feet): Top of Pump = 26.11

Well Total Depth Previous Event (feet): Top of Pump = 26.29

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 4,550

Purged Dry?: Yes ____ No ✓

Water Level after Purge (feet): 19.00

Date/Time Completed: 11/20/15

PURGE DATA: Discharge: 2.5 sec Refill: ~~4.0~~ 6.0 sec Pressure: 20 psi

Average Purge Rate: 350 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
0821	250	250	15.0	6.52	2,630	4.02	19.05	Purge 250 mL
0825	1,950	425	15.3	6.61	2,720	1.83	19.05	prior to first reading
0829	3,300	337.5	15.2	6.62	2,740	1.80	19.00	
0833	4,550	312.5	15.2	6.64	2,740	1.89	19.00	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-114-AS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 19.00

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/20/15 0835	VOC: 200 Other: 200	15.2	6.64	2,740	1.89		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/20/15 0735

End of day: (Date/time) 11/20/15 1525

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 201505083

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.01	NTU std = 0.02	0.00	NTU std = 0.02
9.77	NTU std = 10.0	10.33	NTU std = 10.0
997.4	NTU std = 1,000	1043	NTU std = 1,000
4.02	4.01	3.98	4.01
7.14	7.00	6.95	7.00
10.05	10.01	10.5	10.01
1400	1413 µS	1413	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 30's, no wind

Sample Characteristics: clear, no odor

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 3,432 µS; Historical Range from Nov 2010 - Aug 2015: 1556 - 3010 µS.

pH Prediction Limits = 6.19 - 7.03 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.57 - 6.79 s.u.

Well Closed and Locked? Y/N Full Suite Collected? Y/N # Bottles Collected: 15

Date: 11/20/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-115-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 452.30

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/20/15 1016

Initial Water Level (feet): 14.41

Initial Water Level Previous Event (feet): 10.53

Ground Water Elevation (ft, msl): 437.89

Ground Water Elevation Previous Event (ft, msl): 441.77

Well Total Depth (feet): Top of Pump = 81.03

Well Total Depth Previous Event (feet): Top of Pump = 81.07

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 6,300

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 20.22

Date/Time Completed: 11/20/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 45 psi

Average Purge Rate: 286 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1022	250	1,500	14.5	6.76	2,970	13.95	16.32	purge 1,500 mL
1026	200	2,300	14.8	6.64	3,010	3.06	17.16	prior to 1st
1030	331	3,625	14.8	6.67	2,770	1.80	18.47	reading
1034	331	4,950	14.8	6.67	2,610	1.30	19.46	
1038	337.5	6,300	14.8	6.68	2,600	1.33	20.22	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-115-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 20.22

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/20/15 1040	VOC: ~350 Other: ~350	14.8	6.68	2,600	1.33		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/20/15 0735

End of day: (Date/time) 11/20/15 1525

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20120503

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.01	NTU std = 0.02	0.00	NTU std = 0.02
9.77	NTU std = 10.0	10.33	NTU std = 10.0
997.4	NTU std = 1,000	1043	NTU std = 1,000
4.02	4.01	3.98	4.01
7.14	7.00	6.95	7.00
10.05	10.01	10.5 ~~10.33~~	10.01
1400	1413 µS		1413

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, slight wind, upper 30s/low 40s

Sample Characteristics: clear, no odor

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 2,914 µS; Historical Range from Nov 2010 - Aug 2015: 1320 - 2740 µS.

pH Prediction Limits = 6.00 - 7.55 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.60 - 6.91 s.u.

Well Closed and Locked?: Y / N Full Suite Collected? Y / N # Bottles Collected: 15

Date: 11/20/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-202-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 481.02

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/20/15 1305

Initial Water Level (feet): 11.89

Initial Water Level Previous Event (feet): 11.15

Ground Water Elevation (ft, msl): 469.13

Ground Water Elevation Previous Event (ft, msl): 469.87

Well Total Depth (feet): Top of Pump = 85.24

Well Total Depth Previous Event (feet): Top of Pump = 85.23

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 6,300

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 11.95

Date/Time Completed: 11/20/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 45 psi

Average Purge Rate: 274 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1312	250	1,750	15.2	—*	4,620	14.16	11.90	Purge 1,750 ml
1316	262.5	2,800	14.4	—*	4,650	21.21	11.95	Start of 1st reading
1320	287.5	3,950	15.1	—*	4,650	10.63	11.89	
1324	300	5,150	15.1	—*	4,650	5.45	11.90	
1328	287.5	6,300	15.0	6.85	4,650	3.33	11.95	
	*pH probe not functioning							

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-202-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 11.95

Well Collection Sequence #: ____ of ____

Parameters: Annual: ___ Semi-Annual: ___ Quarterly: ___ Monthly: ___ Other: ✓

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/20/15 1330	VOC: ~285 Other: ~285	15.0	6.85	4,650	3.33		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/20/15 0735

End of day: (Date/time) 11/20/15 1525

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20120508.3

pH / Sp. Cond. Meter: Oakton Rental 774966

pH / Sp. Cond. Meter S/N: Oakton Rental 774966

Start of day		End of day	
0.01	NTU std = 0.02	0.00	NTU std = 0.02
9.77	NTU std = 10.0	10.33	NTU std = 10.0
997.4	NTU std = 1,000	1043	NTU std = 1,000

4.02 4.01 3.98 4.0 wt
7.14 7.00 wt ~~10.33~~ 6.95
10.05 10.06 ~~10.33~~ 10.5
1400 1413 µS 1353

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Cloudy, windy, High 30's/Low 40's

Sample Characteristics: clear with small black pieces in the water

COMMENTS AND OBSERVATIONS:

Well Closed and Locked? Y / N Full Suite Collected? Y / N # Bottles Collected: 15

Date: 11/20/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-103-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 483.56

PURGE INFORMATION:

Method of Well Purge: Waterra Pump

Date/Time Initiated: 11/23/15 ~~11/16~~ 0826

Initial Water Level (feet): 11.66

Initial Water Level Previous Event (feet): 9.52

Ground Water Elevation (ft, msl): 471.90

Ground Water Elevation Previous Event (ft, msl): 474.04

Well Total Depth (feet): 149.62

Well Total Depth Previous Event (feet): 149.88

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 11,100

Purged Dry?: Yes ____ No ✓

Water Level after Purge (feet): 35.42

Date/Time Completed: 11/23/15

PURGE DATA: Discharge: N/A sec Refill: N/A sec Pressure: N/A psi

Average Purge Rate: _____ mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
0841		4,500	21.8	6.14	1378	192.7		Purge 4,500 mL
0845		6,100	23.5	6.33	1891	442.4		prior to 15
0849		6,750	24.2	6.34	1860	368.5		reading
0853		7,750	24.4	6.37	1776	257.9		
0857		8,700	19.8	6.38	1699	196.3		
0901		9,550	21.5	6.36	1615	234.1		
0905		10,300	21.2	6.39	1592	185.6		
0909		11,100	21.1	6.36	1567	198.6	35.42	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-103-SS

Sampling Method: Waterra Pump

Dedicated: Yes ✓ No

Water Level @ Sampling (ft): 35.42

Well Collection Sequence #: of

Parameters: Annual: ___ Semi-Annual: ___ Quarterly: ___ Monthly: ___ Other: ✓

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/23/15 1315	VOC: Other:	21.1	6.36	1567	190.6		

INSTRUMENT CALIBRATION DATA:

	Start of day		End of day	
Start of day: (Date/Time) 11/23/15 0735	0.01	NTU std = 0.02	0.00	NTU std = 0.02
End of day: (Date/time) 11/23/15 1605	9.85	NTU std = 10.0	9.55	NTU std = 10.0
Turbidity Meter: HF MicroTPW	985.9	NTU std = 1,000	952	NTU std = 1,000
Turbidity Meter S/N: 201205083	4.00	4.01	4.09	
pH / Sp. Cond. Meter: Oakton Rental 212-4571	7.11	7.00	7.22	
	10.18	10.01	10.27	
pH / Sp. Cond. Meter S/N: Oakton Rental 212-4571	1413	1413µS	1380	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny 30's

Sample Characteristics: clear to slightly milky, effervesces when placed in sample bottles but effervescence stops quickly

COMMENTS AND OBSERVATIONS:

Well Closed and Locked? (Y) N Full Suite Collected? (Y) N # Bottles Collected: 15

Date: 11/23/15 By: W. Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-203-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 465.83

PURGE INFORMATION:

Method of Well Purge: Waterra Pump

Date/Time Initiated: 11/23/15 1034

Initial Water Level (feet): 25.47

Initial Water Level Previous Event (feet): 26.24

Ground Water Elevation (ft, msl): 440.36

Ground Water Elevation Previous Event (ft, msl): 439.59

Well Total Depth (feet): 111.37

Well Total Depth Previous Event (feet): 111.36

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 6,550

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 25.93

Date/Time Completed: 11/23/15

PURGE DATA: Discharge: N/A sec Refill: N/A sec Pressure: N/A psi

Average Purge Rate: _____ mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1045		3000	13.9	7.36	675	29.28		Purge 3,000 mL prior to 1st reading
1049		4,000	14.0	7.27	673	16.94		
1053		5450	14.2	7.21	671	13.02		
1057		6,550	14.1	7.21	672	9.85	25.93	

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FIELD INFORMATION LOG Part 2

Sample Point ID: PZ-203-SS

SAMPLING INFORMATION:

Sampling Method: Waterra Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 25.93

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ____ Monthly: ____ Other: ✓

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/23/15 1100	VOC: / Other:	14.1	7.21	672	9.85		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/23/15 0735

End of day: (Date/time) 11/23/15 1605

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20120583

pH / Sp. Cond. Meter: Oakton Rental 2124571

pH / Sp. Cond. Meter S/N: Oakton Rental 2124571

Start of day		End of day	
0.01	NTU std = 0.02	0.00	NTU std = 0.02
9.85	NTU std = 10.0	9.55	NTU std = 10.0
985.9	NTU std = 1,000	952	NTU std = 1,000
4.00	4.01	4.09	
7.11	7.00	7.22	
10.18	10.01	10.27	
1413	1413 µS	1380	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 25mph wind, low 40's

Sample Characteristics: clear, no odor

COMMENTS AND OBSERVATIONS:

Well Closed and Locked?: Y / N Full Suite Collected?: Y / N # Bottles Collected: 15

Date: 11/23/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: MW-1204

Sampler(s): W Herst
J. Wilkinson

Top of Casing (ft, msl) 485.53

PURGE INFORMATION:

Method of Well Purge: Waterra Pump

Date/Time Initiated: 11/23/15 1334

Initial Water Level (feet): 16.55

Initial Water Level Previous Event (feet): 14.25

Ground Water Elevation (ft, msl): 468.98

Ground Water Elevation Previous Event (ft, msl): 471.28

Well Total Depth (feet): 222.52

Well Total Depth Previous Event (feet): 223.98

Dedicated Equipment: Yes ____ No ✓

Casing Diameter (Inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 25,750

Purged Dry?: Yes ____ No ✓

Water Level after Purge (feet): 23.49

Date/Time Completed: 11/23/15

PURGE DATA: Discharge: N/A sec Refill: N/A sec Pressure: N/A psi

Average Purge Rate: _____ mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1347		8,000	20.1	6.50	4640	51.99		Purge 8,000 mL prio-to 1st reading
1351		10,800	20.3	6.42	3,370	42.57		
1355		14,100	19.5	6.44	3,230	26.63		
1359		16,700	19.7	6.40	3,640	26.03		
1403		19,100	19.9	6.39	4,190	26.15		
1407		21,250	19.2	6.37	4780	31.01		
1411		22,500	19.0	6.34	5,290	34.60		
1415		23,500	18.8	6.38	5,630	33.44		
1419		24,550	18.8	6.43	5,890	36.02		
1423		25,750	19.2	6.37	6,070	37.66	23.49	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: MW-1204

Sampling Method: Waterra Pump

Dedicated: Yes ____ No ✓

Water Level @ Sampling (ft): 23.49

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ____ Monthly: ____ Other: ✓

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/23/15 1428	VOC: Other:	19.2	6.37	6,070	37.66		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/23/15 0735

End of day: (Date/time) 11/23/15 1605

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20120583

pH / Sp. Cond. Meter: Oakton Rental 2124571

pH / Sp. Cond. Meter S/N: Oakton Rental 2124571

Start of day		End of day	
0.01	NTU std = 0.02	0.00	NTU std = 0.02
9.85	NTU std = 10.0	9.55	NTU std = 10.0
985.9	NTU std = 1,000	952	NTU std = 1,000
4.00	4.01	4.09	
7.11	7.00	7.22	
10.18	10.01	10.27	
1413	1413 µS	1380	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, no wind, low 50s

Sample Characteristics: green to black, septic/leachate odor, foamy

COMMENTS AND OBSERVATIONS:

Well Closed and Locked?: (Y) N Full Suite Collected?: (Y) / N # Bottles Collected: 15

VOAs collected unpreserved. The water from MW-1204 is so foamy, it is not possible to have zero headspace.

Date: 11/23/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-204-SS

Sampler(s): W. Herst
J. Wilkins

Top of Casing (ft, msl) 464.79

PURGE INFORMATION:

Method of Well Purge: Waterra Pump

Date/Time Initiated: 11/24/15 0906

Initial Water Level (feet): 78.5

Initial Water Level Previous Event (feet): 9.81

Ground Water Elevation (ft, msl): 456.94

Ground Water Elevation Previous Event (ft, msl): 454.98

Well Total Depth (feet): 88.00

Well Total Depth Previous Event (feet): 88.03

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 6,800

Purged Dry?: Yes ✓ No — during sampling

Water Level after Purge (feet): 24.99

Date/Time Completed: 11/24/15

PURGE DATA: Discharge: N/A sec Refill: N/A sec Pressure: N/A psi

Average Purge Rate: 340 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
0914	437.5	3,500	15.1	7.53	688	21.75		Purge 3,500 mL prior to 1st reading
0918	175	4,200	15.1	7.53	679	18.99		
0922	375	5,700	15.2	7.55	670	14.46		
0926	275	6,800	15.0	7.59	673	10.73	24.99	
	Well went dry before completely filling the last sample bottle. All MDNR bottles were completely filled.							

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-204-SS

Sampling Method: Waterra Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 24.99

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ____ Monthly: ____ Other: ✓

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/24/15 0932	VOC: ~275 Other: ~275	15.0	7.59	673	10.73		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/24/15 0817

End of day: (Date/time) 11/24/15

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 2012450B3

pH / Sp. Cond. Meter: Oakton Rental 2124571

pH / Sp. Cond. Meter S/N: Oakton Rental 2124571

Start of day		End of day	
0.01	NTU std = 0.02	0.00	NTU std = 0.02
9.87	NTU std = 10.0	10.49	NTU std = 10.0
987.9	NTU std = 1,000	1100	NTU std = 1,000
4.00	4.01	4.01	
7.03	7.00	7.01	
10.07	10.01	10.03	
1412	1413µS	1398	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, calm, 40°s

Sample Characteristics: clear, no odor

COMMENTS AND OBSERVATIONS:

Well Closed and Locked?: Y / N Full Suite Collected?: Y / N # Bottles Collected: 15

Well went dry during filling of the last sample bottle. All MDNR bottles were completely filled.

Date: 11/24/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-106-SD

Sampler(s): W. Herst
J. W. Kinsey

Top of Casing (ft, msl) 463.42

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/24/15 1206

Initial Water Level (feet): 13.19

Initial Water Level Previous Event (feet): 11.78

Ground Water Elevation (ft, msl): 450.23

Ground Water Elevation Previous Event (ft, msl): 451.64

Well Total Depth (feet): Top of Pump = 196.23

Well Total Depth Previous Event (feet): Top of Pump = 196.24

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 6,600

Purged Dry?: Yes No ✓

Water Level after Purge (feet): 17.78

Date/Time Completed: 11/24/15

PURGE DATA: Discharge: ~~4.5~~ ~~4.0~~ 4.5 sec Refill: 6.0 sec Pressure: ~~75~~ ~~40~~ 60 psi

Average Purge Rate: 254 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1220	304	4,250	22.3	6.70	3630	0.85	17.13	Purge 4,250 mL
1224	187.5	5,000	22.1	6.69	4,000	1.68	17.33	prior to 1st
1228	200	5,800	22.2	6.69	4,060	1.72	17.54	reading
1232	200	6,600	22.2	6.70	3,970	1.54	17.78	
~~1236~~ off								

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-106-SD

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 17.78

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/24/15 1235	VOC: ~200 Other: ~200	22.2	6.70	3,970	1.54		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/24/15 0817

End of day: (Date/time) 11/24/15

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20205083

pH / Sp. Cond. Meter: Oakton Rental 2124571

pH / Sp. Cond. Meter S/N: Oakton Rental 2124571

Start of day		End of day	
0.01	NTU std = 0.02	0.00	NTU std = 0.02
9.87	NTU std = 10.0	10.49	NTU std = 10.0
987.9	NTU std = 1,000	1100	NTU std = 1,000
4.00	4.01	4.01	
7.03	7.00	7.01	
10.07	10.01	10.03	
1412	1413µS	1398	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 50's

Sample Characteristics: clear, no odor, VOAs effervesce - collected unpreserved

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 1,134 µS; Historical Range from Nov 2010 - Aug 2015: 826 - 6120 µS.

pH Prediction Limits = 6.43 - 7.98 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.54 - 7.01 s.u.

Well Closed and Locked?: Y / N Full Suite Collected?: Y / N # Bottles Collected: 15

Date: 11/24/15 By: Ward Herst Title: Managing Director

Company: Herst & Associates, Inc.

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FIELD INFORMATION LOG Part 1

Facility: Bridgeton Landfill

Location: Bridgeton, Missouri

Sample Matrix: Groundwater

Sample Point ID: PZ-106-SS

Sampler(s): W. Herst
J. Wilkinson

Top of Casing (ft, msl) 462.70

PURGE INFORMATION:

Method of Well Purge: Bladder Pump

Date/Time Initiated: 11/24/15 1402

Initial Water Level (feet): 12.59

Initial Water Level Previous Event (feet): 10.95

Ground Water Elevation (ft, msl): 450.11

Ground Water Elevation Previous Event (ft, msl): 451.75

Well Total Depth (feet): Top of Pump = 161.39

Well Total Depth Previous Event (feet): Top of Pump = 161.53

Dedicated Equipment: Yes ✓ No

Casing Diameter (inches): 2

One Borehole Volume (gal): Not Applicable

One Borehole Volume Previous Event (gal): N/A

Total Volume Purged (mL): 6,900

Purged Dry?: Yes ____ No ✓

Water Level after Purge (feet): 25.49

Date/Time Completed: 11/24/15

PURGE DATA: Discharge: 4.5 sec Refill: 6.0 sec Pressure: 65 psi

Average Purge Rate: 329 mL / min

Time	Purge Rate (mL / min)	Cumulative Volume (mL)	Temp (°C)	pH (std units)	Conductivity (µS = µmhos/cm)	Turbidity (NTU)	Water Level (feet)	Notes
1411	389	3,500	22.0	7.23	717	1.54	19.03	Purge 3,500 mL
1415	275	4,600	22.1	7.15	713	1.16	21.26	[illegible]
1419	300	5,800	21.9	7.15	714	1.42	23.42	reading
1423	275	6,900	21.8	7.13	710	1.16	25.45	

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FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: PZ-106-SS

Sampling Method: Bladder Pump

Dedicated: Yes ✓ No ____

Water Level @ Sampling (ft): 25.45

Well Collection Sequence #: ____ of ____

Parameters: Annual: ____ Semi-Annual: ____ Quarterly: ✓ Monthly: ____ Other: ____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (µS = µmhos/cm)	Turbidity (NTU)	Other	Notes
11/24/15 1425	VOC: ~275 Other: ~275	21.8	7.13	710	1.16		

INSTRUMENT CALIBRATION DATA:

Start of day: (Date/Time) 11/24/15 0817

End of day: (Date/time) 11/24/15

Turbidity Meter: HF MicroTPW

Turbidity Meter S/N: 20120508B

pH / Sp. Cond. Meter: Oakton Rental 2124571

pH / Sp. Cond. Meter S/N: Oakton Rental 2124571

Start of day		End of day	
0.01	NTU std = 0.02	0.00	NTU std = 0.02
9.87	NTU std = 10.0	10.49	NTU std = 10.0
987.9	NTU std = 1,000	1100	NTU std = 1,000
4.00	4.01	4.01	
7.03	7.00	7.01	
10.07	10.01	10.03	
1412	1413 µS	1398	

Other Calibration: Not Applicable

GENERAL INFORMATION:

Weather Conditions @ Sampling: Sunny, 50's

Sample Characteristics: clear, no odor

COMMENTS AND OBSERVATIONS:

Sp. Cond. Prediction Limit = 980.6 µS; Historical Range from Nov 2010 - Aug 2015: 781 - 880 µS.

pH Prediction Limits = 6.21 - 8.29 s.u.; Historical Range from Nov 2010 - Aug 2015: 6.88 - 7.26 s.u.

Well Closed and Locked?: Y/N Full Suite Collected? Y/N # Bottles Collected: 15

Date: 11/24/15 By: [signature] Title: Manager Director

Company: Herst & Associates, Inc.

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(614)486-5421

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

January 20, 2016

Environmental Manager
Bridgeton Landfill LLC
13570 Saint Charles Rock Road
Bridgeton, MO 63044

RE: Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Dear Environmental Manager:
Enclosed are the analytical results for sample(s) received by the laboratory between December 01, 2015 and December 04, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chris Sarkan
chris.sarkan@pacelabs.com
Project Manager

Enclosures

cc: Mr. Steve Jett, Jett Environmental Consulting
Mr. Jon Wilkinson, Feezor Engineering, Inc.

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CERTIFICATIONS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #:E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076
Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

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SAMPLE SUMMARY

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50133416001	PZ-109-SS	Water	11/30/15 09:23	12/01/15 09:05
50133416002	FB-01	Water	11/30/15 09:23	12/01/15 09:05
50133416003	PZ-110-SS	Water	11/30/15 11:11	12/01/15 09:05
50133416004	PZ-116-SS	Water	11/30/15 14:18	12/01/15 09:05
50133416005	TB-07	Water	11/30/15 08:00	12/01/15 09:05
50133416006	LCS-5A	Water	12/01/15 08:40	12/02/15 08:15
50133416007	LCS-5A-D	Water	12/01/15 08:40	12/02/15 08:15
50133416008	LCS-3D	Water	12/01/15 10:00	12/02/15 08:15
50133416009	PZ-211-SD	Water	12/01/15 10:00	12/02/15 08:15
50133416010	PZ-211-SS	Water	12/01/15 14:30	12/02/15 08:15
50133416011	TB-08	Water	12/01/15 00:00	12/02/15 08:15
50133416012	PZ-209-SD	Water	12/02/15 08:47	12/03/15 10:00
50133416013	PZ-111-SD	Water	12/02/15 10:58	12/03/15 10:00
50133416014	PZ-209-SS	Water	12/02/15 14:00	12/03/15 10:00
50133416015	TB-09	Water	12/02/15 08:00	12/03/15 10:00
50133416016	LCS-4B	Water	12/03/15 08:15	12/04/15 08:20
50133416017	PZ-212-SD	Water	12/03/15 10:00	12/04/15 08:20
50133416018	PZ-212-SS	Water	12/03/15 11:30	12/04/15 08:20
50133416019	PZ-205-SS	Water	12/03/15 14:10	12/04/15 08:20
50133416020	TB-10	Water	12/03/15 08:00	12/04/15 08:20

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50133416001	PZ-109-SS	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	CPH	8
		EPA 8151	BJW	4
		EPA 6010	MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	DAE	64
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416002	FB-01	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	CPH	8
		EPA 8151	BJW	4
		EPA 6010	MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	DAE	71
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	EJS	1
50133416003	PZ-110-SS	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	CPH	8

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8151	BJW	4
		EPA 6010	MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	DAE	64
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416004	PZ-116-SS	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	CPH	8
		EPA 8151	BJW	4
		EPA 6010	MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	DAE	64
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416005	TB-07	EPA 8260	DAE	71
50133416006	LCS-5A	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	NPW	8
		EPA 8151	BJW	4
		EPA 6010	MJC	12

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	64
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416007	LCS-5A-D	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	NPW	8
		EPA 8151	BJW	4
		EPA 6010	MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	64
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416008	LCS-3D	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	NPW	8
		EPA 8151	BJW	4
		EPA 6010	MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8260	DAE	64
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416009	PZ-211-SD	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	NPW	8
		EPA 8151	BJW	4
		EPA 6010	FRW, MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	DAE	71
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416010	PZ-211-SS	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	NPW	8
		EPA 8151	BJW	4
		EPA 6010	FRW, MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	DAE	71
		SM 2540C	ESC	1
		EPA 410.4	ZM	1

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416011	TB-08	EPA 8260	DAE	71
50133416012	PZ-209-SD	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	NPW	8
		EPA 8151	BJW	4
		EPA 6010	FRW, MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	71
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416013	PZ-111-SD	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	NPW	8
		EPA 8151	BJW	4
		EPA 6010	MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	64
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416014	PZ-209-SS	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	NPW	8
		EPA 8151	BJW	4
		EPA 6010	FRW, MJC	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	71
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416015	TB-09	EPA 8260	RFS	71
50133416016	LCS-4B	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	CPH	8
		EPA 8151	BJW	4
		EPA 6010	FRW	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	64
		SM 2510B	ESC	1
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-H+B	TPD	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50133416017	PZ-212-SD	EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
		EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	CPH	8
		EPA 8151	BJW	4
		EPA 6010	FRW	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	65
50133416018	PZ-212-SS	SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
		EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	CPH	8
		EPA 8151	BJW	4
		EPA 6010	FRW	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	65
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1

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SAMPLE ANALYTE COUNT

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 9012	CSA	1
50133416019	PZ-205-SS	EPA 300.0	RID	3
		EPA 8081	KAV	22
		EPA 8082	CPH	8
		EPA 8151	BJW	4
		EPA 6010	FRW	12
		EPA 6020	CAW	11
		EPA 7470	ILP	1
		EPA 8270	TBP	115
		EPA 8260	RFS	64
		SM 2540C	ESC	1
		EPA 410.4	ZM	1
		SM 4500-S2-D	TPD	1
		EPA 353.2	ZM	1
		EPA 365.1	CSA	1
		SM 4500-NH3 G	BAL	1
		SM 5310C	EJS	1
		EPA 9012	CSA	1
50133416020	TB-10	EPA 8260	RFS	71

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416001	**PZ-109-SS**					
	Field pH	7.21	Std. Units		11/30/15 09:23	
	Field Temperature	18.7	deg C		11/30/15 09:23	
	Field Specific Conductance	715	umhos/cm		11/30/15 09:23	
	Field Turbidity	1.94	NTU		11/30/15 09:23	
	Total Well Depth	131.00	feet		11/30/15 09:23	
	Elevation Water Level	434.88	ft/msl		11/30/15 09:23	
	Collar Elevation	460.19	ft/msl		11/30/15 09:23	
	Depth to Water	25.31	feet		11/30/15 09:23	
EPA 300.0	Chloride	3.9	mg/L	0.25	12/04/15 20:44	
EPA 300.0	Fluoride	2.4	mg/L	0.10	12/04/15 20:44	
EPA 300.0	Sulfate	24.1	mg/L	2.5	12/04/15 21:01	
EPA 6010	Barium	58.1	ug/L	10.0	12/10/15 13:20	
EPA 6010	Boron	190	ug/L	100	12/10/15 13:20	
EPA 6010	Calcium	84700	ug/L	500	12/10/15 13:20	
EPA 6010	Magnesium	49400	ug/L	500	12/10/15 13:20	
EPA 6010	Sodium	11600	ug/L	1000	12/10/15 13:20	
EPA 6010	Total Hardness by 2340B	415000	ug/L	1000	12/10/15 13:20	
SM 2540C	Total Dissolved Solids	425	mg/L	10.0	12/02/15 14:41	
EPA 353.2	Nitrogen, NO2 plus NO3	0.12	mg/L	0.10	12/11/15 15:29	
EPA 9012	Cyanide	0.0055	mg/L	0.0050	12/10/15 16:38	
50133416002	**FB-01**					
EPA 300.0	Sulfate	0.35	mg/L	0.25	12/05/15 01:16	
50133416003	**PZ-110-SS**					
	Field pH	6.80	Std. Units		11/30/15 11:11	
	Field Temperature	14.0	deg C		11/30/15 11:11	
	Field Specific Conductance	1402	umhos/cm		11/30/15 11:11	
	Field Turbidity	1.44	NTU		11/30/15 11:11	
	Total Well Depth	107.21	feet		11/30/15 11:11	
	Elevation Water Level	432.36	ft/msl		11/30/15 11:11	
	Collar Elevation	461.34	ft/msl		11/30/15 11:11	
	Depth to Water	28.98	feet		11/30/15 11:11	
EPA 300.0	Chloride	173	mg/L	25.0	12/04/15 23:35	
EPA 300.0	Fluoride	0.30	mg/L	0.10	12/04/15 23:01	
EPA 300.0	Sulfate	60.9	mg/L	2.5	12/04/15 23:18	
EPA 6010	Barium	244	ug/L	10.0	12/10/15 13:25	
EPA 6010	Boron	211	ug/L	100	12/10/15 13:25	
EPA 6010	Calcium	195000	ug/L	500	12/10/15 13:25	
EPA 6010	Iron	5730	ug/L	50.0	12/10/15 13:25	
EPA 6010	Magnesium	77100	ug/L	500	12/10/15 13:25	
EPA 6010	Manganese	161	ug/L	5.0	12/10/15 13:25	
EPA 6010	Nickel	10.6	ug/L	10.0	12/10/15 13:25	
EPA 6010	Sodium	75200	ug/L	1000	12/10/15 13:25	
EPA 6010	Total Hardness by 2340B	805000	ug/L	1000	12/10/15 13:25	
SM 2540C	Total Dissolved Solids	1110	mg/L	10.0	12/02/15 14:42	
EPA 410.4	Chemical Oxygen Demand	34.0	mg/L	10.0	12/08/15 16:51	
EPA 365.1	Phosphorus	0.16	mg/L	0.050	12/16/15 10:53	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416003	**PZ-110-SS**					
SM 4500-NH3 G	Nitrogen, Ammonia	0.38	mg/L	0.10	12/04/15 10:39	
SM 5310C	Total Organic Carbon	14.5	mg/L	10.0	12/10/15 12:11	
50133416004	**PZ-116-SS**					
	Field pH	7.70	Std. Units		11/30/15 14:18	
	Field Temperature	20.1	deg C		11/30/15 14:18	
	Field Specific Conductance	566	umhos/cm		11/30/15 14:18	
	Field Turbidity	1.26	NTU		11/30/15 14:18	
	Total Well Depth	149.65	feet		11/30/15 14:18	
	Elevation Water Level	467.20	ft/msl		11/30/15 14:18	
	Collar Elevation	484.85	ft/msl		11/30/15 14:18	
	Depth to Water	17.65	feet		11/30/15 14:18	
EPA 300.0	Chloride	3.7	mg/L	0.25	12/04/15 23:51	
EPA 300.0	Fluoride	2.6	mg/L	0.10	12/04/15 23:51	
EPA 300.0	Sulfate	34.0	mg/L	2.5	12/05/15 00:09	
EPA 6010	Barium	68.9	ug/L	10.0	12/10/15 13:27	
EPA 6010	Boron	320	ug/L	100	12/10/15 13:27	
EPA 6010	Calcium	40200	ug/L	500	12/10/15 13:27	
EPA 6010	Iron	62.6	ug/L	50.0	12/10/15 13:27	
EPA 6010	Magnesium	28100	ug/L	500	12/10/15 13:27	
EPA 6010	Manganese	11.3	ug/L	5.0	12/10/15 13:27	
EPA 6010	Sodium	48400	ug/L	1000	12/10/15 13:27	
EPA 6010	Total Hardness by 2340B	216000	ug/L	1000	12/10/15 13:27	
EPA 6010	Zinc	22.2	ug/L	20.0	12/10/15 13:27	
EPA 6020	Copper	8.4	ug/L	5.0	01/15/16 22:40	
SM 2540C	Total Dissolved Solids	340	mg/L	10.0	12/02/15 14:43	
EPA 353.2	Nitrogen, NO2 plus NO3	0.23	mg/L	0.10	12/11/15 15:37	
EPA 365.1	Phosphorus	0.16	mg/L	0.050	12/16/15 10:54	
50133416006	**LCS-5A**					
	Field pH	6.87	Std. Units		12/01/15 08:40	
	Field Temperature	34.7	deg C		12/01/15 08:40	
	Field Specific Conductance	7500	umhos/cm		12/01/15 08:40	
	Field Turbidity	45.65	NTU		12/01/15 08:40	
EPA 300.0	Chloride	1360	mg/L	250	12/05/15 02:08	
EPA 8082	PCB-1232 (Aroclor 1232)	1.6	ug/L	0.10	12/07/15 13:03	
EPA 6010	Barium	1700	ug/L	10.0	12/11/15 10:04	
EPA 6010	Boron	6100	ug/L	100	12/11/15 10:04	
EPA 6010	Calcium	135000	ug/L	500	12/11/15 10:04	
EPA 6010	Cobalt	17.2	ug/L	5.0	12/11/15 10:04	
EPA 6010	Iron	11000	ug/L	50.0	12/11/15 10:04	B
EPA 6010	Magnesium	88000	ug/L	500	12/11/15 10:04	
EPA 6010	Manganese	290	ug/L	5.0	12/11/15 10:04	
EPA 6010	Nickel	59.0	ug/L	10.0	12/11/15 10:04	
EPA 6010	Sodium	1080000	ug/L	10000	12/11/15 12:12	
EPA 6010	Total Hardness by 2340B	698000	ug/L	1000	12/11/15 10:04	
EPA 6010	Zinc	83.1	ug/L	20.0	12/11/15 10:04	
EPA 6020	Arsenic	53.0	ug/L	5.0	01/16/16 00:13	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416006	**LCS-5A**					
EPA 6020	Cadmium	0.34	ug/L	0.20	01/16/16 00:13	
EPA 6020	Chromium	38.2	ug/L	5.0	01/16/16 00:13	
EPA 6020	Copper	7.2	ug/L	5.0	01/16/16 00:13	
EPA 6020	Lead	5.3	ug/L	5.0	01/16/16 00:13	
EPA 6020	Vanadium	12.8	ug/L	10.0	01/16/16 00:13	
EPA 8270	3&4-Methylphenol(m&p Cresol)	58.1	ug/L	11.8	12/09/15 16:21	
EPA 8270	Naphthalene	22.8	ug/L	11.8	12/09/15 16:21	
EPA 8260	Benzene	52.6	ug/L	5.0	12/07/15 18:36	
EPA 8260	Chlorobenzene	58.2	ug/L	5.0	12/07/15 18:36	
EPA 8260	1,4-Dichlorobenzene	19.2	ug/L	5.0	12/07/15 18:36	
EPA 8260	cis-1,2-Dichloroethene	5.8	ug/L	5.0	12/07/15 18:36	
EPA 8260	Ethylbenzene	18.0	ug/L	5.0	12/07/15 18:36	
EPA 8260	Toluene	28.8	ug/L	5.0	12/07/15 18:36	
EPA 8260	Xylene (Total)	54.6	ug/L	5.0	12/07/15 18:36	
SM 2540C	Total Dissolved Solids	4240	mg/L	50.0	12/03/15 15:49	
EPA 410.4	Chemical Oxygen Demand	1060	mg/L	10.0	12/08/15 14:23	
EPA 365.1	Phosphorus	1.5	mg/L	0.25	12/16/15 14:49	
SM 4500-NH3 G	Nitrogen, Ammonia	338	mg/L	6.0	12/08/15 10:33	
SM 5310C	Total Organic Carbon	165	mg/L	100	12/10/15 12:11	
50133416007	**LCS-5A-D**					
EPA 300.0	Chloride	1370	mg/L	250	12/05/15 02:59	
EPA 8082	PCB-1232 (Aroclor 1232)	1.7	ug/L	0.10	12/07/15 13:11	
EPA 6010	Barium	1690	ug/L	10.0	12/11/15 10:06	
EPA 6010	Boron	6150	ug/L	100	12/11/15 10:06	
EPA 6010	Calcium	132000	ug/L	500	12/11/15 10:06	
EPA 6010	Cobalt	17.6	ug/L	5.0	12/11/15 10:06	
EPA 6010	Iron	11000	ug/L	50.0	12/11/15 10:06	B
EPA 6010	Magnesium	86500	ug/L	500	12/11/15 10:06	
EPA 6010	Manganese	289	ug/L	5.0	12/11/15 10:06	
EPA 6010	Nickel	58.3	ug/L	10.0	12/11/15 10:06	
EPA 6010	Sodium	1100000	ug/L	10000	12/11/15 12:14	
EPA 6010	Total Hardness by 2340B	685000	ug/L	1000	12/11/15 10:06	
EPA 6010	Zinc	83.3	ug/L	20.0	12/11/15 10:06	
EPA 6020	Arsenic	44.9	ug/L	5.0	01/16/16 00:17	
EPA 6020	Cadmium	0.29	ug/L	0.20	01/16/16 00:17	
EPA 6020	Chromium	30.6	ug/L	5.0	01/16/16 00:17	
EPA 6020	Copper	5.6	ug/L	5.0	01/16/16 00:17	
EPA 6020	Vanadium	10.4	ug/L	10.0	01/16/16 00:17	
EPA 8270	3&4-Methylphenol(m&p Cresol)	49.8	ug/L	11.1	12/09/15 16:41	
EPA 8270	Naphthalene	23.6	ug/L	11.1	12/09/15 16:41	
EPA 8260	Acetone	15.1	ug/L	10.0	12/07/15 19:01	
EPA 8260	Benzene	54.4	ug/L	5.0	12/07/15 19:01	
EPA 8260	Chlorobenzene	58.1	ug/L	5.0	12/07/15 19:01	
EPA 8260	1,4-Dichlorobenzene	19.4	ug/L	5.0	12/07/15 19:01	
EPA 8260	Ethylbenzene	18.1	ug/L	5.0	12/07/15 19:01	
EPA 8260	Toluene	29.1	ug/L	5.0	12/07/15 19:01	
EPA 8260	Xylene (Total)	54.8	ug/L	5.0	12/07/15 19:01	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416007	**LCS-5A-D**					
SM 2540C	Total Dissolved Solids	4140	mg/L	50.0	12/03/15 15:50	
EPA 410.4	Chemical Oxygen Demand	1350	mg/L	10.0	12/08/15 14:23	
EPA 365.1	Phosphorus	1.6	mg/L	0.25	12/16/15 14:50	
SM 4500-NH3 G	Nitrogen, Ammonia	365	mg/L	6.0	12/08/15 10:34	
SM 5310C	Total Organic Carbon	346	mg/L	40.0	12/10/15 12:11	
50133416008	**LCS-3D**					
	Field pH	10.29	Std. Units		12/01/15 10:00	
	Field Temperature	15.9	deg C		12/01/15 10:00	
	Field Specific Conductance	5450	umhos/cm		12/01/15 10:00	
	Field Turbidity	102.2	NTU		12/01/15 10:00	
EPA 300.0	Chloride	5680	mg/L	250	12/05/15 03:50	
EPA 300.0	Sulfate	461	mg/L	25.0	12/05/15 03:33	
EPA 8082	PCB-1232 (Aroclor 1232)	2.8	ug/L	0.10	12/04/15 20:25	
EPA 6010	Barium	2910	ug/L	50.0	12/11/15 10:08	
EPA 6010	Boron	18500	ug/L	500	12/11/15 10:08	
EPA 6010	Calcium	5140000	ug/L	25000	12/11/15 12:16	
EPA 6010	Cobalt	63.7	ug/L	25.0	12/11/15 10:08	
EPA 6010	Iron	1590000	ug/L	250	12/11/15 10:08	B
EPA 6010	Magnesium	564000	ug/L	2500	12/11/15 10:08	
EPA 6010	Manganese	79200	ug/L	25.0	12/11/15 10:08	
EPA 6010	Nickel	68.5	ug/L	50.0	12/11/15 10:08	
EPA 6010	Sodium	2070000	ug/L	50000	12/11/15 12:16	
EPA 6010	Tin	51.2	ug/L	50.0	12/11/15 10:08	
EPA 6010	Total Hardness by 2340B	15200000	ug/L	50000	12/11/15 12:16	
EPA 6010	Zinc	24900	ug/L	100	12/11/15 10:08	
EPA 6020	Antimony	38.7	ug/L	25.0	01/18/16 15:18	
EPA 6020	Arsenic	502	ug/L	25.0	01/18/16 15:18	
EPA 6020	Cadmium	4.9	ug/L	1.0	01/18/16 15:18	
EPA 6020	Chromium	240	ug/L	25.0	01/18/16 15:18	
EPA 6020	Copper	40.6	ug/L	25.0	01/18/16 15:18	
EPA 6020	Lead	320	ug/L	25.0	01/18/16 15:18	
EPA 8270	Benzyl alcohol	2920	ug/L	222	12/17/15 18:22	
EPA 8270	3&4-Methylphenol(m&p Cresol)	36100	ug/L	4440	12/18/15 12:57	
EPA 8270	Phenol	21500	ug/L	4440	12/18/15 12:57	
EPA 8260	Acetone	160000	ug/L	2000	12/04/15 22:40	
EPA 8260	2-Butanone (MEK)	84700	ug/L	2000	12/04/15 22:40	
EPA 8260	1,3-Dichlorobenzene	83.7	ug/L	50.0	12/04/15 06:36	
EPA 8260	1,4-Dichlorobenzene	80.2	ug/L	50.0	12/04/15 06:36	
EPA 8260	2-Hexanone	711	ug/L	100	12/04/15 06:36	
EPA 8260	4-Methyl-2-pentanone (MIBK)	812	ug/L	100	12/04/15 06:36	
EPA 8260	Xylene (Total)	62.4	ug/L	50.0	12/04/15 06:36	
SM 2540C	Total Dissolved Solids	44500	mg/L	100	12/03/15 15:51	
EPA 410.4	Chemical Oxygen Demand	70400	mg/L	1000	12/08/15 14:23	
EPA 365.1	Phosphorus	1.6	mg/L	0.50	12/16/15 10:57	
SM 4500-NH3 G	Nitrogen, Ammonia	407	mg/L	6.0	12/08/15 10:35	
SM 5310C	Total Organic Carbon	21800	mg/L	2000	12/10/15 12:11	
EPA 9012	Cyanide	0.012	mg/L	0.010	12/10/15 19:06	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416009	**PZ-211-SD**					
	Field pH	7.57	Std. Units		12/01/15 11:10	
	Field Temperature	13.9	deg C		12/01/15 11:10	
	Field Specific Conductance	892	umhos/cm		12/01/15 11:10	
	Field Turbidity	13.28	NTU		12/01/15 11:10	
	Total Well Depth	99.35	feet		12/01/15 11:10	
	Elevation Water Level	465.58	ft/msl		12/01/15 11:10	
	Collar Elevation	487.46	ft/msl		12/01/15 11:10	
	Depth to Water	21.88	feet		12/01/15 11:10	
EPA 300.0	Chloride	15.3	mg/L	2.5	12/05/15 04:58	
EPA 300.0	Fluoride	2.3	mg/L	0.10	12/05/15 04:41	
EPA 300.0	Sulfate	96.7	mg/L	2.5	12/05/15 04:58	
EPA 6010	Barium	27.5	ug/L	10.0	12/11/15 10:11	
EPA 6010	Boron	169	ug/L	100	12/11/15 10:11	
EPA 6010	Calcium	43200	ug/L	500	12/11/15 10:11	
EPA 6010	Iron	629	ug/L	50.0	12/14/15 11:23	
EPA 6010	Magnesium	20000	ug/L	500	12/11/15 10:11	
EPA 6010	Manganese	37.6	ug/L	5.0	12/11/15 10:11	
EPA 6010	Sodium	150000	ug/L	1000	12/11/15 10:11	
EPA 6010	Total Hardness by 2340B	190000	ug/L	1000	12/11/15 10:11	
SM 2540C	Total Dissolved Solids	618	mg/L	10.0	12/03/15 15:51	
SM 4500-NH3 G	Nitrogen, Ammonia	0.78	mg/L	0.10	12/04/15 10:41	
SM 5310C	Total Organic Carbon	1.3	mg/L	1.0	12/10/15 12:11	
50133416010	**PZ-211-SS**					
	Field pH	7.39	Std. Units		12/01/15 14:30	
	Field Temperature	14.1	deg C		12/01/15 14:30	
	Field Specific Conductance	648	umhos/cm		12/01/15 14:30	
	Field Turbidity	20.82	NTU		12/01/15 14:30	
	Total Well Depth	98.14	feet		12/01/15 14:30	
	Elevation Water Level	467.14	ft/msl		12/01/15 14:30	
	Collar Elevation	487.41	ft/msl		12/01/15 14:30	
	Depth to Water	20.27	feet		12/01/15 14:30	
EPA 300.0	Chloride	8.2	mg/L	0.25	12/05/15 05:15	
EPA 300.0	Fluoride	1.6	mg/L	0.10	12/05/15 05:15	
EPA 300.0	Sulfate	35.6	mg/L	2.5	12/05/15 05:32	
EPA 6010	Barium	77.3	ug/L	10.0	12/11/15 10:13	
EPA 6010	Boron	458	ug/L	100	12/11/15 10:13	
EPA 6010	Calcium	71700	ug/L	500	12/11/15 10:13	
EPA 6010	Iron	1450	ug/L	50.0	12/14/15 11:26	
EPA 6010	Magnesium	41900	ug/L	500	12/11/15 10:13	
EPA 6010	Manganese	64.3	ug/L	5.0	12/11/15 10:13	
EPA 6010	Sodium	26900	ug/L	1000	12/11/15 10:13	
EPA 6010	Total Hardness by 2340B	352000	ug/L	1000	12/11/15 10:13	
SM 2540C	Total Dissolved Solids	394	mg/L	10.0	12/03/15 15:52	
SM 4500-NH3 G	Nitrogen, Ammonia	0.13	mg/L	0.10	12/04/15 10:42	
50133416012	**PZ-209-SD**					
	Field pH	7.51	Std. Units		12/02/15 08:47	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416012	**PZ-209-SD**					
	Field Temperature	12.8	deg C		12/02/15 08:47	
	Field Specific Conductance	766	umhos/cm		12/02/15 08:47	
	Field Turbidity	1.34	NTU		12/02/15 08:47	
	Total Well Depth	101.40	feet		12/02/15 08:47	
	Elevation Water Level	466.10	ft/msl		12/02/15 08:47	
	Collar Elevation	489.58	ft/msl		12/02/15 08:47	
	Depth to Water	23.48	feet		12/02/15 08:47	
EPA 300.0	Chloride	10.5	mg/L	0.25	12/08/15 12:42	
EPA 300.0	Fluoride	2.2	mg/L	0.10	12/08/15 12:42	
EPA 300.0	Sulfate	40.7	mg/L	2.5	12/08/15 13:33	
EPA 6010	Barium	41.6	ug/L	10.0	12/11/15 10:15	
EPA 6010	Boron	118	ug/L	100	12/11/15 10:15	
EPA 6010	Calcium	60300	ug/L	500	12/11/15 10:15	
EPA 6010	Iron	637	ug/L	50.0	12/14/15 11:29	
EPA 6010	Magnesium	36000	ug/L	500	12/11/15 10:15	
EPA 6010	Manganese	78.8	ug/L	5.0	12/11/15 10:15	
EPA 6010	Sodium	79400	ug/L	1000	12/11/15 10:15	
EPA 6010	Total Hardness by 2340B	299000	ug/L	1000	12/11/15 10:15	
SM 2540C	Total Dissolved Solids	481	mg/L	10.0	12/04/15 13:09	
50133416013	**PZ-111-SD**					
	Field pH	7.29	Std. Units		12/02/15 10:58	
	Field Temperature	15.1	deg C		12/02/15 10:58	
	Field Specific Conductance	729	umhos/cm		12/02/15 10:58	
	Field Turbidity	1.38	NTU		12/02/15 10:58	
	Total Well Depth	197.08	feet		12/02/15 10:58	
	Elevation Water Level	427.15	ft/msl		12/02/15 10:58	
	Collar Elevation	461.55	ft/msl		12/02/15 10:58	
	Depth to Water	34.40	feet		12/02/15 10:58	
EPA 300.0	Chloride	11.9	mg/L	0.25	12/08/15 14:24	
EPA 300.0	Fluoride	2.1	mg/L	0.10	12/08/15 14:24	
EPA 300.0	Sulfate	45.5	mg/L	2.5	12/08/15 14:41	
EPA 6010	Barium	110	ug/L	10.0	12/11/15 10:30	
EPA 6010	Calcium	88800	ug/L	500	12/11/15 10:30	
EPA 6010	Magnesium	51300	ug/L	500	12/11/15 10:30	
EPA 6010	Sodium	19200	ug/L	1000	12/11/15 10:30	
EPA 6010	Total Hardness by 2340B	433000	ug/L	1000	12/11/15 10:30	
SM 2540C	Total Dissolved Solids	449	mg/L	10.0	12/04/15 13:09	
EPA 353.2	Nitrogen, NO2 plus NO3	0.13	mg/L	0.10	12/11/15 15:44	
50133416014	**PZ-209-SS**					
	Field pH	7.47	Std. Units		12/02/15 14:00	
	Field Temperature	13.1	deg C		12/02/15 14:00	
	Field Specific Conductance	648	umhos/cm		12/02/15 14:00	
	Field Turbidity	4.59	NTU		12/02/15 14:00	
	Total Well Depth	99.90	feet		12/02/15 14:00	
	Elevation Water Level	466.92	ft/msl		12/02/15 14:00	
	Collar Elevation	489.68	ft/msl		12/02/15 14:00	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416014	**PZ-209-SS**					
	Depth to Water	22.76	feet		12/02/15 14:00	
EPA 300.0	Chloride	3.2	mg/L	0.25	12/09/15 18:27	
EPA 300.0	Fluoride	1.7	mg/L	0.10	12/09/15 18:27	
EPA 300.0	Sulfate	25.2	mg/L	2.5	12/09/15 18:44	
EPA 6010	Barium	83.5	ug/L	10.0	12/11/15 10:32	
EPA 6010	Boron	272	ug/L	100	12/11/15 10:32	
EPA 6010	Calcium	72800	ug/L	500	12/11/15 10:32	
EPA 6010	Iron	882	ug/L	50.0	12/14/15 11:32	
EPA 6010	Magnesium	48800	ug/L	500	12/11/15 10:32	
EPA 6010	Manganese	74.2	ug/L	5.0	12/11/15 10:32	
EPA 6010	Sodium	12100	ug/L	1000	12/11/15 10:32	
EPA 6010	Total Hardness by 2340B	383000	ug/L	1000	12/11/15 10:32	
SM 2540C	Total Dissolved Solids	400	mg/L	10.0	12/04/15 13:10	
SM 5310C	Total Organic Carbon	1.1	mg/L	1.0	12/11/15 11:15	
50133416016	**LCS-4B**					
	Field Temperature	48	deg C		12/03/15 08:15	
EPA 300.0	Chloride	9370	mg/L	250	12/09/15 19:35	
EPA 300.0	Sulfate	521	mg/L	25.0	12/09/15 19:18	
EPA 8082	PCB-1232 (Aroclor 1232)	7.4	ug/L	0.10	12/08/15 14:31	
EPA 6010	Barium	6980	ug/L	50.0	12/15/15 16:03	
EPA 6010	Boron	34500	ug/L	500	12/15/15 16:03	
EPA 6010	Calcium	5530000	ug/L	25000	12/15/15 12:57	
EPA 6010	Iron	1050000	ug/L	250	12/15/15 16:03	
EPA 6010	Magnesium	764000	ug/L	2500	12/15/15 16:03	
EPA 6010	Manganese	57100	ug/L	25.0	12/15/15 16:03	
EPA 6010	Nickel	147	ug/L	50.0	12/15/15 16:03	
EPA 6010	Sodium	3560000	ug/L	50000	12/15/15 12:57	
EPA 6010	Total Hardness by 2340B	17000000	ug/L	50000	12/15/15 12:57	
EPA 6010	Zinc	874	ug/L	100	12/15/15 16:03	
EPA 6020	Arsenic	314	ug/L	25.0	01/18/16 15:23	
EPA 6020	Chromium	1020	ug/L	250	01/18/16 15:05	
EPA 6020	Lead	37.9	ug/L	25.0	01/18/16 15:23	
EPA 8270	Acetophenone	394	ug/L	200	12/17/15 18:43	
EPA 8270	Benzyl alcohol	6080	ug/L	2000	12/18/15 13:17	
EPA 8270	3&4-Methylphenol(m&p Cresol)	6550	ug/L	2000	12/18/15 13:17	
EPA 8270	Naphthalene	288	ug/L	200	12/17/15 18:43	
EPA 8270	Phenol	17400	ug/L	2000	12/18/15 13:17	
EPA 8260	Acetone	139000	ug/L	5000	12/11/15 11:13	
EPA 8260	Benzene	947	ug/L	250	12/10/15 15:53	
EPA 8260	2-Butanone (MEK)	76100	ug/L	5000	12/11/15 11:13	
EPA 8260	4-Methyl-2-pentanone (MIBK)	640	ug/L	500	12/10/15 15:53	
SM 2510B	Specific Conductance	34600	umhos/cm	1.0	12/09/15 14:26	
SM 2540C	Total Dissolved Solids	55400	mg/L	100	12/04/15 13:14	
EPA 410.4	Chemical Oxygen Demand	69800	mg/L	500	12/08/15 14:23	
SM 4500-H+B	pH at 25 Degrees C	5.0	Std. Units	0.10	12/04/15 12:36	H3
EPA 365.1	Phosphorus	1.8	mg/L	0.50	12/16/15 11:12	
SM 4500-NH3 G	Nitrogen, Ammonia	762	mg/L	60.0	12/15/15 11:32	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416016	**LCS-4B**					
SM 5310C	Total Organic Carbon	23600	mg/L	2000	12/11/15 11:15	
50133416017	**PZ-212-SD**					
	Field pH	7.51	Std. Units		12/03/15 10:00	
	Field Temperature	13.5	deg C		12/03/15 10:00	
	Field Specific Conductance	1140	umhos/cm		12/03/15 10:00	
	Field Turbidity	6.34	NTU		12/03/15 10:00	
	Total Well Depth	92.62	feet		12/03/15 10:00	
	Elevation Water Level	468.14	ft/msl		12/03/15 10:00	
	Collar Elevation	482.72	ft/msl		12/03/15 10:00	
	Depth to Water	14.58	feet		12/03/15 10:00	
EPA 300.0	Chloride	170	mg/L	25.0	12/11/15 13:55	
EPA 300.0	Fluoride	0.30	mg/L	0.10	12/09/15 19:52	
EPA 300.0	Sulfate	104	mg/L	2.5	12/09/15 20:09	
EPA 6010	Barium	180	ug/L	10.0	12/15/15 12:48	
EPA 6010	Calcium	125000	ug/L	500	12/15/15 12:48	
EPA 6010	Iron	931	ug/L	50.0	12/15/15 12:48	
EPA 6010	Magnesium	52800	ug/L	500	12/15/15 12:48	
EPA 6010	Manganese	478	ug/L	5.0	12/15/15 12:48	
EPA 6010	Sodium	72200	ug/L	1000	12/15/15 12:48	
EPA 6010	Total Hardness by 2340B	530000	ug/L	1000	12/15/15 12:48	
EPA 6020	Arsenic	5.8	ug/L	5.0	01/15/16 23:20	
EPA 8270	3&4-Methylphenol(m&p Cresol)	45.3	ug/L	10.0	12/09/15 20:01	
EPA 8270	Phenol	25.7	ug/L	10.0	12/09/15 20:01	
SM 2540C	Total Dissolved Solids	811	mg/L	10.0	12/04/15 13:14	
EPA 365.1	Phosphorus	1.7	mg/L	0.25	12/16/15 11:49	
SM 4500-NH3 G	Nitrogen, Ammonia	0.12	mg/L	0.10	12/08/15 09:40	
50133416018	**PZ-212-SS**					
	Field pH	7.39	Std. Units		12/03/15 11:30	
	Field Temperature	13.8	deg C		12/03/15 11:30	
	Field Specific Conductance	810	umhos/cm		12/03/15 11:30	
	Field Turbidity	74.27	NTU		12/03/15 11:30	
	Total Well Depth	93.88	feet		12/03/15 11:30	
	Elevation Water Level	472.11	ft/msl		12/03/15 11:30	
	Collar Elevation	482.79	ft/msl		12/03/15 11:30	
	Depth to Water	10.68	feet		12/03/15 11:30	
EPA 300.0	Chloride	12.4	mg/L	2.5	12/09/15 20:43	
EPA 300.0	Fluoride	0.49	mg/L	0.10	12/09/15 20:26	
EPA 300.0	Sulfate	138	mg/L	2.5	12/09/15 20:43	
EPA 6010	Barium	141	ug/L	10.0	12/15/15 12:51	
EPA 6010	Calcium	115000	ug/L	500	12/15/15 12:51	
EPA 6010	Cobalt	5.8	ug/L	5.0	12/15/15 12:51	
EPA 6010	Iron	4610	ug/L	50.0	12/15/15 12:51	
EPA 6010	Magnesium	32700	ug/L	500	12/15/15 12:51	
EPA 6010	Manganese	1160	ug/L	5.0	12/15/15 12:51	
EPA 6010	Nickel	14.1	ug/L	10.0	12/15/15 12:51	
EPA 6010	Sodium	52800	ug/L	1000	12/15/15 12:51	

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SUMMARY OF DETECTION

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50133416018	**PZ-212-SS**					
EPA 6010	Total Hardness by 2340B	421000	ug/L	1000	12/15/15 12:51	
EPA 6010	Zinc	25.2	ug/L	20.0	12/15/15 12:51	
EPA 6020	Chromium	5.4	ug/L	5.0	01/15/16 23:24	
SM 2540C	Total Dissolved Solids	572	mg/L	10.0	12/04/15 13:15	
EPA 365.1	Phosphorus	0.10	mg/L	0.050	12/16/15 11:13	
50133416019	**PZ-205-SS**					
	Field pH	7.26	Std. Units		12/03/15 14:10	
	Field Temperature	17.8	deg C		12/03/15 14:10	
	Field Specific Conductance	762	umhos/cm		12/03/15 14:10	
	Field Turbidity	2.89	NTU		12/03/15 14:10	
	Total Well Depth	92.94	feet		12/03/15 14:10	
	Elevation Water Level	435.66	ft/msl		12/03/15 14:10	
	Collar Elevation	465.83	ft/msl		12/03/15 14:10	
	Depth to Water	30.17	feet		12/03/15 14:10	
EPA 300.0	Chloride	32.0	mg/L	2.5	12/09/15 21:51	
EPA 300.0	Fluoride	0.37	mg/L	0.10	12/09/15 21:34	
EPA 300.0	Sulfate	53.4	mg/L	2.5	12/09/15 21:51	
EPA 6010	Barium	120	ug/L	10.0	12/15/15 12:54	
EPA 6010	Calcium	80800	ug/L	500	12/15/15 12:54	
EPA 6010	Iron	59.4	ug/L	50.0	12/15/15 12:54	
EPA 6010	Magnesium	54200	ug/L	500	12/15/15 12:54	
EPA 6010	Sodium	14700	ug/L	1000	12/15/15 12:54	
EPA 6010	Total Hardness by 2340B	425000	ug/L	1000	12/15/15 12:54	
SM 2540C	Total Dissolved Solids	427	mg/L	10.0	12/04/15 13:15	
EPA 353.2	Nitrogen, NO2 plus NO3	0.18	mg/L	0.10	12/11/15 15:51	
SM 5310C	Total Organic Carbon	1.1	mg/L	1.0	12/11/15 11:15	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-109-SS **Lab ID: 50133416001** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.21**	Std. Units		1		11/30/15 09:23		
Field Temperature	**18.7**	deg C		1		11/30/15 09:23		
Field Specific Conductance	**715**	umhos/cm		1		11/30/15 09:23		
Field Turbidity	**1.94**	NTU		1		11/30/15 09:23		
Total Well Depth	**131.00**	feet		1		11/30/15 09:23		
Elevation Water Level	**434.88**	ft/msl		1		11/30/15 09:23		
Collar Elevation	**460.19**	ft/msl		1		11/30/15 09:23		
Depth to Water	**25.31**	feet		1		11/30/15 09:23		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.9**	mg/L	0.25	1		12/04/15 20:44	16887-00-6	
Fluoride	**2.4**	mg/L	0.10	1		12/04/15 20:44	16984-48-8	
Sulfate	**24.1**	mg/L	2.5	10		12/04/15 21:01	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:14	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:14	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:14	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:14	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:14	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:14	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:14	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:14	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:14	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:14	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:14	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:14	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:14	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:14	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:14	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:14	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:14	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:14	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:14	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:14	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/02/15 11:25	12/03/15 22:14	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	59	%.	10-128	1	12/02/15 11:25	12/03/15 22:14	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:12	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/02/15 11:25	12/03/15 17:12	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:12	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:12	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:12	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:12	11097-69-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-109-SS **Lab ID: 50133416001** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:12	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	69	%.	32-115	1	12/02/15 11:25	12/03/15 17:12	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 20:18	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 20:18	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 20:18	93-72-1	
Surrogates								
2,4-DCAA (S)	122	%.	24-210	1	12/03/15 13:05	12/07/15 20:18	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**58.1**	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:20	7440-39-3	
Boron	**190**	ug/L	100	1	12/02/15 11:29	12/10/15 13:20	7440-42-8	
Calcium	**84700**	ug/L	500	1	12/02/15 11:29	12/10/15 13:20	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/02/15 11:29	12/10/15 13:20	7440-48-4	
Iron	ND	ug/L	50.0	1	12/02/15 11:29	12/10/15 13:20	7439-89-6	
Magnesium	**49400**	ug/L	500	1	12/02/15 11:29	12/10/15 13:20	7439-95-4	
Manganese	ND	ug/L	5.0	1	12/02/15 11:29	12/10/15 13:20	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:20	7440-02-0	
Sodium	**11600**	ug/L	1000	1	12/02/15 11:29	12/10/15 13:20	7440-23-5	
Tin	ND	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:20	7440-31-5	
Total Hardness by 2340B	**415000**	ug/L	1000	1	12/02/15 11:29	12/10/15 13:20		
Zinc	ND	ug/L	20.0	1	12/02/15 11:29	12/10/15 13:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:53	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:53	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:53	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 22:53	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:53	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:53	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:53	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:53	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:53	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:53	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 22:53	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:02	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	53-96-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-109-SS **Lab ID: 50133416001** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
4-Aminobiphenyl	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	218-01-9	
Diallate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:09	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:09	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:09	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	62-50-0	
Famphur	ND	ug/L	200	1	12/02/15 10:07	12/02/15 17:09	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	206-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-109-SS **Lab ID: 50133416001** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Fluorene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	120-58-1	
Kepone	ND	ug/L	200	1	12/02/15 10:07	12/02/15 17:09	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09		
1-Naphthalenamine	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:09	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	85-01-8	
Phenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:09	106-50-3	
Phorate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	298-02-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-109-SS **Lab ID: 50133416001** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Pronamide	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	129-00-0	
Safrole	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:09	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:09	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	109	%.	38-124	1	12/02/15 10:07	12/02/15 17:09	4165-60-0	
2-Fluorobiphenyl (S)	109	%.	33-114	1	12/02/15 10:07	12/02/15 17:09	321-60-8	
p-Terphenyl-d14 (S)	54	%.	10-113	1	12/02/15 10:07	12/02/15 17:09	1718-51-0	
Phenol-d5 (S)	39	%.	10-58	1	12/02/15 10:07	12/02/15 17:09	4165-62-2	
2-Fluorophenol (S)	57	%.	11-79	1	12/02/15 10:07	12/02/15 17:09	367-12-4	
2,4,6-Tribromophenol (S)	102	%.	29-158	1	12/02/15 10:07	12/02/15 17:09	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/04/15 08:47	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/04/15 08:47	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/04/15 08:47	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/04/15 08:47	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/04/15 08:47	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/04/15 08:47	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/04/15 08:47	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/04/15 08:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/04/15 08:47	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/04/15 08:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/04/15 08:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/04/15 08:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/04/15 08:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/04/15 08:47	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/04/15 08:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/04/15 08:47	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/04/15 08:47	74-87-3	
Chloroprene	ND	ug/L	100	1		12/04/15 08:47	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/15 08:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/04/15 08:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/04/15 08:47	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/04/15 08:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 08:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 08:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 08:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/04/15 08:47	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/04/15 08:47	75-71-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-109-SS **Lab ID: 50133416001** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	5.0	1		12/04/15 08:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/04/15 08:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/04/15 08:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/04/15 08:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/04/15 08:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/04/15 08:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/04/15 08:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/04/15 08:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/04/15 08:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/04/15 08:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/04/15 08:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/04/15 08:47	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/04/15 08:47	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/04/15 08:47	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/15 08:47	74-88-4	
Isobutanol	ND	ug/L	100	1		12/04/15 08:47	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/04/15 08:47	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/04/15 08:47	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/04/15 08:47	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/04/15 08:47	108-10-1	
Propionitrile	ND	ug/L	100	1		12/04/15 08:47	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/04/15 08:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/04/15 08:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/04/15 08:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/04/15 08:47	127-18-4	
Toluene	ND	ug/L	5.0	1		12/04/15 08:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/04/15 08:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/04/15 08:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/04/15 08:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/04/15 08:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/04/15 08:47	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/04/15 08:47	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/04/15 08:47	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/04/15 08:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%.	79-116	1		12/04/15 08:47	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/04/15 08:47	460-00-4	
Toluene-d8 (S)	93	%.	81-110	1		12/04/15 08:47	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**425**	mg/L	10.0	1		12/02/15 14:41		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-109-SS **Lab ID: 50133416001** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/02/15 10:32		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.12**	mg/L	0.10	1		12/11/15 15:29		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/15/15 11:00	12/16/15 10:51	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/04/15 10:35	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	**0.0055**	mg/L	0.0050	1	12/10/15 12:10	12/10/15 16:38	57-12-5	

Sample: FB-01 **Lab ID: 50133416002** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	0.25	1		12/05/15 01:16	16887-00-6	
Fluoride	ND	mg/L	0.10	1		12/05/15 01:16	16984-48-8	
Sulfate	**0.35**	mg/L	0.25	1		12/05/15 01:16	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:27	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:27	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:27	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:27	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:27	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:27	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:27	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:27	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:27	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:27	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:27	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:27	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:27	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:27	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:27	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:27	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:27	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:27	76-44-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: FB-01 **Lab ID: 50133416002** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Heptachlor epoxide	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:27	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:27	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/02/15 11:25	12/03/15 22:27	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	45	%.	10-128	1	12/02/15 11:25	12/03/15 22:27	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:32	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/02/15 11:25	12/03/15 17:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:32	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:32	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	65	%.	32-115	1	12/02/15 11:25	12/03/15 17:32	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 20:49	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 20:49	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 20:49	93-72-1	
Surrogates								
2,4-DCAA (S)	101	%.	24-210	1	12/03/15 13:05	12/07/15 20:49	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	ND	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:23	7440-39-3	
Boron	ND	ug/L	100	1	12/02/15 11:29	12/10/15 13:23	7440-42-8	
Calcium	ND	ug/L	500	1	12/02/15 11:29	12/10/15 13:23	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/02/15 11:29	12/10/15 13:23	7440-48-4	
Iron	ND	ug/L	50.0	1	12/02/15 11:29	12/10/15 13:23	7439-89-6	
Magnesium	ND	ug/L	500	1	12/02/15 11:29	12/10/15 13:23	7439-95-4	
Manganese	ND	ug/L	5.0	1	12/02/15 11:29	12/10/15 13:23	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:23	7440-02-0	
Sodium	ND	ug/L	1000	1	12/02/15 11:29	12/10/15 13:23	7440-23-5	
Tin	ND	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:23	7440-31-5	
Total Hardness by 2340B	ND	ug/L	1000	1	12/02/15 11:29	12/10/15 13:23		
Zinc	ND	ug/L	20.0	1	12/02/15 11:29	12/10/15 13:23	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:09	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:09	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:09	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 22:09	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:09	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:09	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:09	7439-92-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: FB-01 **Lab ID: 50133416002** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 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							
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:09	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:09	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:09	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 22:09	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:04	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	218-01-9	
Diallate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:29	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:29	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:29	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	131-11-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: FB-01 **Lab ID: 50133416002** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Di-n-butylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	62-50-0	
Famphur	ND	ug/L	200	1	12/02/15 10:07	12/02/15 17:29	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	120-58-1	
Kepone	ND	ug/L	200	1	12/02/15 10:07	12/02/15 17:29	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29		
1-Naphthalenamine	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	621-64-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: FB-01 **Lab ID: 50133416002** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:29	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	85-01-8	
Phenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:29	106-50-3	
Phorate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	129-00-0	
Safrole	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:29	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:29	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	103	%.	38-124	1	12/02/15 10:07	12/02/15 17:29	4165-60-0	
2-Fluorobiphenyl (S)	104	%.	33-114	1	12/02/15 10:07	12/02/15 17:29	321-60-8	
p-Terphenyl-d14 (S)	69	%.	10-113	1	12/02/15 10:07	12/02/15 17:29	1718-51-0	
Phenol-d5 (S)	36	%.	10-58	1	12/02/15 10:07	12/02/15 17:29	4165-62-2	
2-Fluorophenol (S)	56	%.	11-79	1	12/02/15 10:07	12/02/15 17:29	367-12-4	
2,4,6-Tribromophenol (S)	90	%.	29-158	1	12/02/15 10:07	12/02/15 17:29	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/04/15 09:20	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/04/15 09:20	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/04/15 09:20	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/04/15 09:20	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/04/15 09:20	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/04/15 09:20	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/04/15 09:20	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/04/15 09:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/04/15 09:20	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/04/15 09:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/04/15 09:20	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/04/15 09:20	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/04/15 09:20	75-15-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: FB-01 **Lab ID: 50133416002** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Carbon tetrachloride	ND	ug/L	5.0	1		12/04/15 09:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/04/15 09:20	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/04/15 09:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/04/15 09:20	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/04/15 09:20	74-87-3	
Chloroprene	ND	ug/L	100	1		12/04/15 09:20	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/15 09:20	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/04/15 09:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/04/15 09:20	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/04/15 09:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 09:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 09:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 09:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/04/15 09:20	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/04/15 09:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/04/15 09:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/04/15 09:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/04/15 09:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/04/15 09:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/04/15 09:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/04/15 09:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/04/15 09:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/04/15 09:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/04/15 09:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/04/15 09:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/04/15 09:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/04/15 09:20	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/04/15 09:20	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/04/15 09:20	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/15 09:20	74-88-4	
Isobutanol	ND	ug/L	100	1		12/04/15 09:20	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/04/15 09:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/04/15 09:20	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/04/15 09:20	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/04/15 09:20	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/04/15 09:20	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/04/15 09:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/04/15 09:20	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/04/15 09:20	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/04/15 09:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/04/15 09:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/04/15 09:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/04/15 09:20	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/04/15 09:20	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/04/15 09:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/04/15 09:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/04/15 09:20	79-00-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: FB-01 **Lab ID: 50133416002** Collected: 11/30/15 09:23 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		12/04/15 09:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/04/15 09:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/04/15 09:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/04/15 09:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/04/15 09:20	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/04/15 09:20	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/04/15 09:20	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/04/15 09:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114	%.	79-116	1		12/04/15 09:20	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/04/15 09:20	460-00-4	
Toluene-d8 (S)	93	%.	81-110	1		12/04/15 09:20	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	1		12/02/15 14:42		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/02/15 10:33		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:32		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/15/15 11:00	12/16/15 10:51	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/04/15 10:38	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/14/15 09:21	12/14/15 12:58	57-12-5	

Sample: PZ-110-SS **Lab ID: 50133416003** Collected: 11/30/15 11:11 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.80**	Std. Units		1		11/30/15 11:11		
Field Temperature	**14.0**	deg C		1		11/30/15 11:11		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-110-SS **Lab ID: 50133416003** Collected: 11/30/15 11:11 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field Specific Conductance	**1402**	umhos/cm		1		11/30/15 11:11		
Field Turbidity	**1.44**	NTU		1		11/30/15 11:11		
Total Well Depth	**107.21**	feet		1		11/30/15 11:11		
Elevation Water Level	**432.36**	ft/msl		1		11/30/15 11:11		
Collar Elevation	**461.34**	ft/msl		1		11/30/15 11:11		
Depth to Water	**28.98**	feet		1		11/30/15 11:11		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**173**	mg/L	25.0	100		12/04/15 23:35	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	1		12/04/15 23:01	16984-48-8	
Sulfate	**60.9**	mg/L	2.5	10		12/04/15 23:18	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:39	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:39	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:39	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:39	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:39	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:39	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:39	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:39	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:39	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:39	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:39	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:39	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:39	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:39	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:39	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:39	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:39	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:39	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:39	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:39	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/02/15 11:25	12/03/15 22:39	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	40	%.	10-128	1	12/02/15 11:25	12/03/15 22:39	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:52	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/02/15 11:25	12/03/15 17:52	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:52	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:52	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:52	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:52	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 17:52	11096-82-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-110-SS **Lab ID: 50133416003** Collected: 11/30/15 11:11 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
Surrogates								
Tetrachloro-m-xylene (S)	65	%.	32-115	1	12/02/15 11:25	12/03/15 17:52	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.0	1	12/03/15 13:05	12/07/15 21:20	94-75-7	
2,4,5-T	ND	ug/L	1.0	1	12/03/15 13:05	12/07/15 21:20	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	12/03/15 13:05	12/07/15 21:20	93-72-1	
Surrogates								
2,4-DCAA (S)	139	%.	24-210	1	12/03/15 13:05	12/07/15 21:20	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**244**	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:25	7440-39-3	
Boron	**211**	ug/L	100	1	12/02/15 11:29	12/10/15 13:25	7440-42-8	
Calcium	**195000**	ug/L	500	1	12/02/15 11:29	12/10/15 13:25	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/02/15 11:29	12/10/15 13:25	7440-48-4	
Iron	**5730**	ug/L	50.0	1	12/02/15 11:29	12/10/15 13:25	7439-89-6	
Magnesium	**77100**	ug/L	500	1	12/02/15 11:29	12/10/15 13:25	7439-95-4	
Manganese	**161**	ug/L	5.0	1	12/02/15 11:29	12/10/15 13:25	7439-96-5	
Nickel	**10.6**	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:25	7440-02-0	
Sodium	**75200**	ug/L	1000	1	12/02/15 11:29	12/10/15 13:25	7440-23-5	
Tin	ND	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:25	7440-31-5	
Total Hardness by 2340B	**805000**	ug/L	1000	1	12/02/15 11:29	12/10/15 13:25		
Zinc	ND	ug/L	20.0	1	12/02/15 11:29	12/10/15 13:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:36	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:36	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:36	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 22:36	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:36	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:36	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:36	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:36	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:36	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:36	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 22:36	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:06	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	92-67-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-110-SS **Lab ID: 50133416003** Collected: 11/30/15 11:11 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	218-01-9	
Diallate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:49	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:49	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:49	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	62-50-0	
Famphur	ND	ug/L	200	1	12/02/15 10:07	12/02/15 17:49	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	86-73-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-110-SS **Lab ID: 50133416003** Collected: 11/30/15 11:11 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	120-58-1	
Kepone	ND	ug/L	200	1	12/02/15 10:07	12/02/15 17:49	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49		
1-Naphthalenamine	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 17:49	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	85-01-8	
Phenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:49	106-50-3	
Phorate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	23950-58-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-110-SS **Lab ID: 50133416003** Collected: 11/30/15 11:11 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	129-00-0	
Safrole	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 17:49	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 17:49	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	100	%.	38-124	1	12/02/15 10:07	12/02/15 17:49	4165-60-0	
2-Fluorobiphenyl (S)	97	%.	33-114	1	12/02/15 10:07	12/02/15 17:49	321-60-8	
p-Terphenyl-d14 (S)	47	%.	10-113	1	12/02/15 10:07	12/02/15 17:49	1718-51-0	
Phenol-d5 (S)	39	%.	10-58	1	12/02/15 10:07	12/02/15 17:49	4165-62-2	
2-Fluorophenol (S)	59	%.	11-79	1	12/02/15 10:07	12/02/15 17:49	367-12-4	
2,4,6-Tribromophenol (S)	102	%.	29-158	1	12/02/15 10:07	12/02/15 17:49	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/07/15 17:07	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/07/15 17:07	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/07/15 17:07	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/07/15 17:07	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/07/15 17:07	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/07/15 17:07	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/07/15 17:07	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/07/15 17:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/07/15 17:07	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/07/15 17:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/07/15 17:07	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/07/15 17:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/07/15 17:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/07/15 17:07	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/07/15 17:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/07/15 17:07	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/07/15 17:07	74-87-3	
Chloroprene	ND	ug/L	100	1		12/07/15 17:07	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/07/15 17:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/07/15 17:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/07/15 17:07	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/07/15 17:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 17:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 17:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 17:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/07/15 17:07	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/07/15 17:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/07/15 17:07	75-34-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-110-SS **Lab ID: 50133416003** Collected: 11/30/15 11:11 Received: 12/01/15 09:05 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		12/07/15 17:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/07/15 17:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 17:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 17:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 17:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/07/15 17:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 17:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/07/15 17:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 17:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 17:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/07/15 17:07	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/07/15 17:07	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/07/15 17:07	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/07/15 17:07	74-88-4	
Isobutanol	ND	ug/L	100	1		12/07/15 17:07	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/07/15 17:07	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/07/15 17:07	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/07/15 17:07	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/07/15 17:07	108-10-1	
Propionitrile	ND	ug/L	100	1		12/07/15 17:07	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/07/15 17:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 17:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 17:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/07/15 17:07	127-18-4	
Toluene	ND	ug/L	5.0	1		12/07/15 17:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/07/15 17:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/07/15 17:07	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/07/15 17:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/07/15 17:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/07/15 17:07	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/07/15 17:07	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/07/15 17:07	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/07/15 17:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		12/07/15 17:07	1868-53-7	
4-Bromofluorobenzene (S)	105	%.	80-114	1		12/07/15 17:07	460-00-4	
Toluene-d8 (S)	94	%.	81-110	1		12/07/15 17:07	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1110**	mg/L	10.0	1		12/02/15 14:42		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**34.0**	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/02/15 10:33		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-110-SS **Lab ID: 50133416003** Collected: 11/30/15 11:11 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:33		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.16**	mg/L	0.050	1	12/15/15 11:00	12/16/15 10:53	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.38**	mg/L	0.10	1		12/04/15 10:39	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**14.5**	mg/L	10.0	10		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 18:59	57-12-5	

Sample: PZ-116-SS **Lab ID: 50133416004** Collected: 11/30/15 14:18 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.70**	Std. Units		1		11/30/15 14:18		
Field Temperature	**20.1**	deg C		1		11/30/15 14:18		
Field Specific Conductance	**566**	umhos/cm		1		11/30/15 14:18		
Field Turbidity	**1.26**	NTU		1		11/30/15 14:18		
Total Well Depth	**149.65**	feet		1		11/30/15 14:18		
Elevation Water Level	**467.20**	ft/msl		1		11/30/15 14:18		
Collar Elevation	**484.85**	ft/msl		1		11/30/15 14:18		
Depth to Water	**17.65**	feet		1		11/30/15 14:18		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.7**	mg/L	0.25	1		12/04/15 23:51	16887-00-6	
Fluoride	**2.6**	mg/L	0.10	1		12/04/15 23:51	16984-48-8	
Sulfate	**34.0**	mg/L	2.5	10		12/05/15 00:09	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:52	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:52	58-89-9	
beta-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:52	319-85-7	
Heptachlor	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:52	76-44-8	
delta-BHC	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:52	319-86-8	
Aldrin	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:52	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:52	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	12/02/15 11:25	12/03/15 22:52	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:52	72-55-9	
Dieldrin	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:52	60-57-1	
Endrin	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:52	72-20-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-116-SS **Lab ID: 50133416004** Collected: 11/30/15 14:18 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
4,4'-DDD	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:52	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:52	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:52	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:52	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 22:52	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:52	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:52	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:52	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/02/15 11:25	12/03/15 22:52	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	12/02/15 11:25	12/03/15 22:52	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	61	%.	10-128	1	12/02/15 11:25	12/03/15 22:52	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 18:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/02/15 11:25	12/03/15 18:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 18:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 18:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 18:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 18:13	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/02/15 11:25	12/03/15 18:13	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	63	%.	32-115	1	12/02/15 11:25	12/03/15 18:13	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 21:50	93-76-5	
2,4-D	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 21:50	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 21:50	93-72-1	
Surrogates								
2,4-DCAA (S)	115	%.	24-210	1	12/03/15 13:05	12/07/15 21:50	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**68.9**	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:27	7440-39-3	
Boron	**320**	ug/L	100	1	12/02/15 11:29	12/10/15 13:27	7440-42-8	
Calcium	**40200**	ug/L	500	1	12/02/15 11:29	12/10/15 13:27	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/02/15 11:29	12/10/15 13:27	7440-48-4	
Iron	**62.6**	ug/L	50.0	1	12/02/15 11:29	12/10/15 13:27	7439-89-6	
Magnesium	**28100**	ug/L	500	1	12/02/15 11:29	12/10/15 13:27	7439-95-4	
Manganese	**11.3**	ug/L	5.0	1	12/02/15 11:29	12/10/15 13:27	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:27	7440-02-0	
Sodium	**48400**	ug/L	1000	1	12/02/15 11:29	12/10/15 13:27	7440-23-5	
Tin	ND	ug/L	10.0	1	12/02/15 11:29	12/10/15 13:27	7440-31-5	
Total Hardness by 2340B	**216000**	ug/L	1000	1	12/02/15 11:29	12/10/15 13:27		
Zinc	**22.2**	ug/L	20.0	1	12/02/15 11:29	12/10/15 13:27	7440-66-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-116-SS **Lab ID: 50133416004** Collected: 11/30/15 14:18 Received: 12/01/15 09:05 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	01/15/16 09:00	01/15/16 22:40	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:40	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:40	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 22:40	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:40	7440-47-3	
Copper	**8.4**	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:40	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:40	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:40	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:40	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:40	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 22:40	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:08	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	218-01-9	
Diallate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 18:10	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	87-65-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-116-SS **Lab ID: 50133416004** Collected: 11/30/15 14:18 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Diethylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 18:10	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 18:10	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	62-50-0	
Famphur	ND	ug/L	200	1	12/02/15 10:07	12/02/15 18:10	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	120-58-1	
Kepone	ND	ug/L	200	1	12/02/15 10:07	12/02/15 18:10	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10		
1-Naphthalenamine	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	98-95-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-116-SS **Lab ID: 50133416004** Collected: 11/30/15 14:18 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Nitrophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/02/15 10:07	12/02/15 18:10	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	85-01-8	
Phenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 18:10	106-50-3	
Phorate	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	129-00-0	
Safrole	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/02/15 10:07	12/02/15 18:10	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/02/15 10:07	12/02/15 18:10	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	100	%.	38-124	1	12/02/15 10:07	12/02/15 18:10	4165-60-0	
2-Fluorobiphenyl (S)	96	%.	33-114	1	12/02/15 10:07	12/02/15 18:10	321-60-8	
p-Terphenyl-d14 (S)	67	%.	10-113	1	12/02/15 10:07	12/02/15 18:10	1718-51-0	
Phenol-d5 (S)	36	%.	10-58	1	12/02/15 10:07	12/02/15 18:10	4165-62-2	
2-Fluorophenol (S)	56	%.	11-79	1	12/02/15 10:07	12/02/15 18:10	367-12-4	
2,4,6-Tribromophenol (S)	101	%.	29-158	1	12/02/15 10:07	12/02/15 18:10	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/07/15 16:34	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/07/15 16:34	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/07/15 16:34	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/07/15 16:34	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/07/15 16:34	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/07/15 16:34	71-43-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-116-SS **Lab ID: 50133416004** Collected: 11/30/15 14:18 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Bromochloromethane	ND	ug/L	5.0	1		12/07/15 16:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/07/15 16:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/07/15 16:34	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/07/15 16:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/07/15 16:34	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/07/15 16:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/07/15 16:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/07/15 16:34	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/07/15 16:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/07/15 16:34	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/07/15 16:34	74-87-3	
Chloroprene	ND	ug/L	100	1		12/07/15 16:34	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/07/15 16:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/07/15 16:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/07/15 16:34	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/07/15 16:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 16:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 16:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 16:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/07/15 16:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/07/15 16:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/07/15 16:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/07/15 16:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/07/15 16:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 16:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 16:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 16:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/07/15 16:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 16:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/07/15 16:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 16:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 16:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/07/15 16:34	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/07/15 16:34	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/07/15 16:34	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/07/15 16:34	74-88-4	
Isobutanol	ND	ug/L	100	1		12/07/15 16:34	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/07/15 16:34	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/07/15 16:34	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/07/15 16:34	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/07/15 16:34	108-10-1	
Propionitrile	ND	ug/L	100	1		12/07/15 16:34	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/07/15 16:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 16:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 16:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/07/15 16:34	127-18-4	
Toluene	ND	ug/L	5.0	1		12/07/15 16:34	108-88-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-116-SS **Lab ID: 50133416004** Collected: 11/30/15 14:18 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/07/15 16:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/07/15 16:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/07/15 16:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/07/15 16:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/07/15 16:34	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/07/15 16:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/07/15 16:34	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/07/15 16:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		12/07/15 16:34	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/07/15 16:34	460-00-4	
Toluene-d8 (S)	93	%.	81-110	1		12/07/15 16:34	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**340**	mg/L	10.0	1		12/02/15 14:43		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/02/15 10:33		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.23**	mg/L	0.10	1		12/11/15 15:37		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.16**	mg/L	0.050	1	12/15/15 11:00	12/16/15 10:54	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/04/15 10:40	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 18:59	57-12-5	

Sample: TB-07 **Lab ID: 50133416005** Collected: 11/30/15 08:00 Received: 12/01/15 09:05 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		12/07/15 16:01	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/07/15 16:01	75-05-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: TB-07 **Lab ID: 50133416005** Collected: 11/30/15 08:00 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acrolein	ND	ug/L	50.0	1		12/07/15 16:01	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/07/15 16:01	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/07/15 16:01	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/07/15 16:01	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/07/15 16:01	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/07/15 16:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/07/15 16:01	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/07/15 16:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/07/15 16:01	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/07/15 16:01	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/07/15 16:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/07/15 16:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/07/15 16:01	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/07/15 16:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/07/15 16:01	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/07/15 16:01	74-87-3	
Chloroprene	ND	ug/L	100	1		12/07/15 16:01	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/07/15 16:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/07/15 16:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/07/15 16:01	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/07/15 16:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 16:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 16:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 16:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/07/15 16:01	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/07/15 16:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/07/15 16:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/07/15 16:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/07/15 16:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 16:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 16:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 16:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/07/15 16:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 16:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/07/15 16:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 16:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 16:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/07/15 16:01	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/07/15 16:01	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/07/15 16:01	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/07/15 16:01	74-88-4	
Isobutanol	ND	ug/L	100	1		12/07/15 16:01	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/07/15 16:01	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/07/15 16:01	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/07/15 16:01	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/07/15 16:01	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/07/15 16:01	80-62-6	N2

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: TB-07 **Lab ID: 50133416005** Collected: 11/30/15 08:00 Received: 12/01/15 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/07/15 16:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/07/15 16:01	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/07/15 16:01	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/07/15 16:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 16:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 16:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/07/15 16:01	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/07/15 16:01	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/07/15 16:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/07/15 16:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/07/15 16:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/07/15 16:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/07/15 16:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/07/15 16:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/07/15 16:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/07/15 16:01	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/07/15 16:01	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/07/15 16:01	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/07/15 16:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	79-116	1		12/07/15 16:01	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/07/15 16:01	460-00-4	
Toluene-d8 (S)	95	%.	81-110	1		12/07/15 16:01	2037-26-5	

Sample: LCS-5A **Lab ID: 50133416006** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**6.87**	Std. Units		1		12/01/15 08:40		
Field Temperature	**34.7**	deg C		1		12/01/15 08:40		
Field Specific Conductance	**7500**	umhos/cm		1		12/01/15 08:40		
Field Turbidity	**45.65**	NTU		1		12/01/15 08:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1360**	mg/L	250	1000		12/05/15 02:08	16887-00-6	
Fluoride	ND	mg/L	1.0	10		12/05/15 01:34	16984-48-8	D3
Sulfate	ND	mg/L	2.5	10		12/05/15 01:34	14808-79-8	D3
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:07	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:07	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:07	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:07	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:07	58-89-9	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A **Lab ID: 50133416006** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Chlordane (Technical)	ND	ug/L	0.50	1	12/03/15 14:10	12/11/15 00:07	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/11/15 00:07	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/11/15 00:07	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:07	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:07	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:07	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:07	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:07	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:07	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:07	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:07	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:07	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:07	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:07	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/03/15 14:10	12/11/15 00:07	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/03/15 14:10	12/11/15 00:07	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	11	%.	10-128	1	12/03/15 14:10	12/11/15 00:07	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:03	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/03/15 16:35	12/07/15 13:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**1.6**	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:03	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:03	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:03	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:03	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:03	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	20	%.	32-115	1	12/03/15 16:35	12/07/15 13:03	877-09-8	2d
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.0	1	12/03/15 13:05	12/08/15 03:57	94-75-7	
2,4,5-T	ND	ug/L	1.0	1	12/03/15 13:05	12/08/15 03:57	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	12/03/15 13:05	12/08/15 03:57	93-72-1	
Surrogates								
2,4-DCAA (S)	63	%.	24-210	1	12/03/15 13:05	12/08/15 03:57	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**1700**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:04	7440-39-3	
Boron	**6100**	ug/L	100	1	12/05/15 06:57	12/11/15 10:04	7440-42-8	
Calcium	**135000**	ug/L	500	1	12/05/15 06:57	12/11/15 10:04	7440-70-2	
Cobalt	**17.2**	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:04	7440-48-4	
Iron	**11000**	ug/L	50.0	1	12/05/15 06:57	12/11/15 10:04	7439-89-6	B
Magnesium	**88000**	ug/L	500	1	12/05/15 06:57	12/11/15 10:04	7439-95-4	
Manganese	**290**	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:04	7439-96-5	
Nickel	**59.0**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:04	7440-02-0	
Sodium	**1080000**	ug/L	10000	10	12/05/15 06:57	12/11/15 12:12	7440-23-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A **Lab ID: 50133416006** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Tin	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:04	7440-31-5	
Total Hardness by 2340B	**698000**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:04		
Zinc	**83.1**	ug/L	20.0	1	12/05/15 06:57	12/11/15 10:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:13	7440-36-0	
Arsenic	**53.0**	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:13	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/16/16 00:13	7440-41-7	
Cadmium	**0.34**	ug/L	0.20	1	01/15/16 09:00	01/16/16 00:13	7440-43-9	
Chromium	**38.2**	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:13	7440-47-3	
Copper	**7.2**	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:13	7440-50-8	
Lead	**5.3**	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:13	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:13	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:13	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/16/16 00:13	7440-28-0	
Vanadium	**12.8**	ug/L	10.0	1	01/15/16 09:00	01/16/16 00:13	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:10	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	83-32-9	
Acenaphthylene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	208-96-8	
Acetophenone	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	98-86-2	
2-Acetylaminofluorene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	53-96-3	
4-Aminobiphenyl	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	92-67-1	
Anthracene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	207-08-9	
Benzyl alcohol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	101-55-3	
Butylbenzylphthalate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	59-50-7	
4-Chloroaniline	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	106-47-8	
Chlorobenzilate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	108-60-1	
2-Chloronaphthalene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	91-58-7	
2-Chlorophenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	7005-72-3	
Chrysene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	218-01-9	
Diallate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	2303-16-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A **Lab ID: 50133416006** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Dibenz(a,h)anthracene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	53-70-3	
Dibenzofuran	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	23.5	1	12/04/15 09:05	12/09/15 16:21	91-94-1	
2,4-Dichlorophenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	120-83-2	
2,6-Dichlorophenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	87-65-0	
Diethylphthalate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	84-66-2	
Dimethoate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	23.5	1	12/04/15 09:05	12/09/15 16:21	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	23.5	1	12/04/15 09:05	12/09/15 16:21	119-93-7	
2,4-Dimethylphenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	105-67-9	
Dimethylphthalate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	131-11-3	
Di-n-butylphthalate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	99-65-0	
2,4-Dinitrophenol	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	606-20-2	
Di-n-octylphthalate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	117-84-0	
Dinoseb	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	88-85-7	
Diphenylamine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	122-39-4	
Disulfoton	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	117-81-7	
Ethyl methanesulfonate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	62-50-0	
Famphur	ND	ug/L	235	1	12/04/15 09:05	12/09/15 16:21	52-85-7	
Fluoranthene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	206-44-0	
Fluorene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	87-68-3	
Hexachlorobenzene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	77-47-4	
Hexachloroethane	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	67-72-1	
Hexachloropropene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	193-39-5	
Isodrin	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	465-73-6	
Isophorone	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	78-59-1	
Isosafrole	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	120-58-1	
Kepone	ND	ug/L	235	1	12/04/15 09:05	12/09/15 16:21	143-50-0	
Methapyrilene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	91-80-5	
3-Methylcholanthrene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	56-49-5	
Methyl methanesulfonate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	66-27-3	
2-Methylnaphthalene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	91-57-6	
Methyl parathion	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	**58.1**	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21		
1-Naphthalenamine	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	134-32-7	
2-Naphthalenamine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	91-59-8	
Naphthalene	**22.8**	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	91-20-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A **Lab ID: 50133416006** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,4-Naphthoquinone	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	130-15-4	
2-Nitroaniline	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	88-74-4	
3-Nitroaniline	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	99-09-2	
4-Nitroaniline	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	100-01-6	
Nitrobenzene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	98-95-3	
2-Nitrophenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	88-75-5	
4-Nitrophenol	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	56-38-2	
Pentachlorobenzene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	608-93-5	
Pentachloronitrobenzene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	82-68-8	
Pentachlorophenol	ND	ug/L	58.8	1	12/04/15 09:05	12/09/15 16:21	87-86-5	
Phenacetin	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	62-44-2	
Phenanthrene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	85-01-8	
Phenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	108-95-2	
p-Phenylenediamine	ND	ug/L	23.5	1	12/04/15 09:05	12/09/15 16:21	106-50-3	
Phorate	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	298-02-2	
Pronamide	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	23950-58-5	
Pyrene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	129-00-0	
Safrole	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	58-90-2	
Thionazin	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	297-97-2	
O-Toluidine	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	11.8	1	12/04/15 09:05	12/09/15 16:21	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	23.5	1	12/04/15 09:05	12/09/15 16:21	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	63	%.	38-124	1	12/04/15 09:05	12/09/15 16:21	4165-60-0	E
2-Fluorobiphenyl (S)	48	%.	33-114	1	12/04/15 09:05	12/09/15 16:21	321-60-8	E
p-Terphenyl-d14 (S)	27	%.	10-113	1	12/04/15 09:05	12/09/15 16:21	1718-51-0	E
Phenol-d5 (S)	35	%.	10-58	1	12/04/15 09:05	12/09/15 16:21	4165-62-2	E
2-Fluorophenol (S)	40	%.	11-79	1	12/04/15 09:05	12/09/15 16:21	367-12-4	E
2,4,6-Tribromophenol (S)	69	%.	29-158	1	12/04/15 09:05	12/09/15 16:21	118-79-6	E
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/07/15 18:36	67-64-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A-D **Lab ID: 50133416007** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1370**	mg/L	250	1000		12/05/15 02:59	16887-00-6	
Fluoride	ND	mg/L	1.0	10		12/05/15 02:25	16984-48-8	D3
Sulfate	ND	mg/L	2.5	10		12/05/15 02:25	14808-79-8	D3
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:33	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:33	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:33	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:33	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:33	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/03/15 14:10	12/11/15 00:33	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/11/15 00:33	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/11/15 00:33	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:33	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:33	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:33	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:33	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:33	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:33	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:33	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:33	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/03/15 14:10	12/11/15 00:33	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:33	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/03/15 14:10	12/11/15 00:33	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/03/15 14:10	12/11/15 00:33	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/03/15 14:10	12/11/15 00:33	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	11	%.	10-128	1	12/03/15 14:10	12/11/15 00:33	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:11	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/03/15 16:35	12/07/15 13:11	11104-28-2	
PCB-1232 (Aroclor 1232)	**1.7**	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:11	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:11	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:11	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:11	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:11	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	21	%.	32-115	1	12/03/15 16:35	12/07/15 13:11	877-09-8	3d
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.1	1	12/03/15 13:05	12/08/15 04:28	94-75-7	
2,4,5-T	ND	ug/L	1.1	1	12/03/15 13:05	12/08/15 04:28	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	1.1	1	12/03/15 13:05	12/08/15 04:28	93-72-1	
Surrogates								
2,4-DCAA (S)	36	%.	24-210	1	12/03/15 13:05	12/08/15 04:28	19719-28-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A-D **Lab ID: 50133416007** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 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	**1690**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:06	7440-39-3	
Boron	**6150**	ug/L	100	1	12/05/15 06:57	12/11/15 10:06	7440-42-8	
Calcium	**132000**	ug/L	500	1	12/05/15 06:57	12/11/15 10:06	7440-70-2	
Cobalt	**17.6**	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:06	7440-48-4	
Iron	**11000**	ug/L	50.0	1	12/05/15 06:57	12/11/15 10:06	7439-89-6	B
Magnesium	**86500**	ug/L	500	1	12/05/15 06:57	12/11/15 10:06	7439-95-4	
Manganese	**289**	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:06	7439-96-5	
Nickel	**58.3**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:06	7440-02-0	
Sodium	**1100000**	ug/L	10000	10	12/05/15 06:57	12/11/15 12:14	7440-23-5	
Tin	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:06	7440-31-5	
Total Hardness by 2340B	**685000**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:06		
Zinc	**83.3**	ug/L	20.0	1	12/05/15 06:57	12/11/15 10:06	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:17	7440-36-0	
Arsenic	**44.9**	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:17	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/16/16 00:17	7440-41-7	
Cadmium	**0.29**	ug/L	0.20	1	01/15/16 09:00	01/16/16 00:17	7440-43-9	
Chromium	**30.6**	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:17	7440-47-3	
Copper	**5.6**	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:17	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:17	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:17	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/16/16 00:17	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/16/16 00:17	7440-28-0	
Vanadium	**10.4**	ug/L	10.0	1	01/15/16 09:00	01/16/16 00:17	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:22	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	83-32-9	
Acenaphthylene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	208-96-8	
Acetophenone	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	98-86-2	
2-Acetylaminofluorene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	53-96-3	
4-Aminobiphenyl	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	92-67-1	
Anthracene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	207-08-9	
Benzyl alcohol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	101-55-3	
Butylbenzylphthalate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	59-50-7	
4-Chloroaniline	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	106-47-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A **Lab ID: 50133416006** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetonitrile	ND	ug/L	100	1		12/07/15 18:36	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/07/15 18:36	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/07/15 18:36	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/07/15 18:36	107-05-1	N2
Benzene	**52.6**	ug/L	5.0	1		12/07/15 18:36	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/07/15 18:36	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/07/15 18:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/07/15 18:36	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/07/15 18:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/07/15 18:36	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/07/15 18:36	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/07/15 18:36	56-23-5	
Chlorobenzene	**58.2**	ug/L	5.0	1		12/07/15 18:36	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/07/15 18:36	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/07/15 18:36	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/07/15 18:36	74-87-3	
Chloroprene	ND	ug/L	100	1		12/07/15 18:36	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/07/15 18:36	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/07/15 18:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/07/15 18:36	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/07/15 18:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 18:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 18:36	541-73-1	
1,4-Dichlorobenzene	**19.2**	ug/L	5.0	1		12/07/15 18:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/07/15 18:36	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/07/15 18:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/07/15 18:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/07/15 18:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/07/15 18:36	75-35-4	
cis-1,2-Dichloroethene	**5.8**	ug/L	5.0	1		12/07/15 18:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 18:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 18:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/07/15 18:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 18:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/07/15 18:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 18:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 18:36	10061-02-6	
Ethylbenzene	**18.0**	ug/L	5.0	1		12/07/15 18:36	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/07/15 18:36	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/07/15 18:36	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/07/15 18:36	74-88-4	
Isobutanol	ND	ug/L	100	1		12/07/15 18:36	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/07/15 18:36	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/07/15 18:36	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/07/15 18:36	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/07/15 18:36	108-10-1	
Propionitrile	ND	ug/L	100	1		12/07/15 18:36	107-12-0	N2

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A **Lab ID: 50133416006** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Styrene	ND	ug/L	5.0	1		12/07/15 18:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 18:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 18:36	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/07/15 18:36	127-18-4	
Toluene	**28.8**	ug/L	5.0	1		12/07/15 18:36	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/07/15 18:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/07/15 18:36	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/07/15 18:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/07/15 18:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/07/15 18:36	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/07/15 18:36	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/07/15 18:36	75-01-4	
Xylene (Total)	**54.6**	ug/L	5.0	1		12/07/15 18:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/07/15 18:36	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/07/15 18:36	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		12/07/15 18:36	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**4240**	mg/L	50.0	1		12/03/15 15:49		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**1060**	mg/L	10.0	1	12/08/15 08:52	12/08/15 14:23		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/02/15 12:11		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:38		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**1.5**	mg/L	0.25	5	12/15/15 11:00	12/16/15 14:49	7723-14-0	
4500 Ammonia Water, Distilled	Analytical Method: SM 4500-NH3 G Preparation Method: SM 4500-NH3 B							
Nitrogen, Ammonia	**338**	mg/L	6.0	1	12/08/15 06:34	12/08/15 10:33	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**165**	mg/L	100	100		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.010	1	12/10/15 12:10	12/10/15 19:01	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A-D **Lab ID: 50133416007** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Chlorobenzilate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	108-60-1	
2-Chloronaphthalene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	91-58-7	
2-Chlorophenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	7005-72-3	
Chrysene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	218-01-9	
Diallate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	53-70-3	
Dibenzofuran	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	22.2	1	12/04/15 09:05	12/09/15 16:41	91-94-1	
2,4-Dichlorophenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	120-83-2	
2,6-Dichlorophenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	87-65-0	
Diethylphthalate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	84-66-2	
Dimethoate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	22.2	1	12/04/15 09:05	12/09/15 16:41	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	22.2	1	12/04/15 09:05	12/09/15 16:41	119-93-7	
2,4-Dimethylphenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	105-67-9	
Dimethylphthalate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	131-11-3	
Di-n-butylphthalate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	99-65-0	
2,4-Dinitrophenol	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	606-20-2	
Di-n-octylphthalate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	117-84-0	
Dinoseb	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	88-85-7	
Diphenylamine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	122-39-4	
Disulfoton	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	117-81-7	
Ethyl methanesulfonate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	62-50-0	
Famphur	ND	ug/L	222	1	12/04/15 09:05	12/09/15 16:41	52-85-7	
Fluoranthene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	206-44-0	
Fluorene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	87-68-3	
Hexachlorobenzene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	77-47-4	
Hexachloroethane	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	67-72-1	
Hexachloropropene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	193-39-5	
Isodrin	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	465-73-6	
Isophorone	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	78-59-1	
Isosafrole	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	120-58-1	
Kepone	ND	ug/L	222	1	12/04/15 09:05	12/09/15 16:41	143-50-0	
Methapyrilene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	91-80-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A-D **Lab ID: 50133416007** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3-Methylcholanthrene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	56-49-5	
Methyl methanesulfonate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	66-27-3	
2-Methylnaphthalene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	91-57-6	
Methyl parathion	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	**49.8**	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41		
1-Naphthalenamine	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	134-32-7	
2-Naphthalenamine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	91-59-8	
Naphthalene	**23.6**	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	91-20-3	
1,4-Naphthoquinone	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	130-15-4	
2-Nitroaniline	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	88-74-4	
3-Nitroaniline	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	99-09-2	
4-Nitroaniline	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	100-01-6	
Nitrobenzene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	98-95-3	
2-Nitrophenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	88-75-5	
4-Nitrophenol	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	56-38-2	
Pentachlorobenzene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	608-93-5	
Pentachloronitrobenzene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	82-68-8	
Pentachlorophenol	ND	ug/L	55.6	1	12/04/15 09:05	12/09/15 16:41	87-86-5	
Phenacetin	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	62-44-2	
Phenanthrene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	85-01-8	
Phenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	108-95-2	
p-Phenylenediamine	ND	ug/L	22.2	1	12/04/15 09:05	12/09/15 16:41	106-50-3	
Phorate	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	298-02-2	
Pronamide	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	23950-58-5	
Pyrene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	129-00-0	
Safrole	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	58-90-2	
Thionazin	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	297-97-2	
O-Toluidine	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	11.1	1	12/04/15 09:05	12/09/15 16:41	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	22.2	1	12/04/15 09:05	12/09/15 16:41	99-35-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A-D **Lab ID: 50133416007** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Surrogates								
Nitrobenzene-d5 (S)	69	%.	38-124	1	12/04/15 09:05	12/09/15 16:41	4165-60-0	E
2-Fluorobiphenyl (S)	51	%.	33-114	1	12/04/15 09:05	12/09/15 16:41	321-60-8	E
p-Terphenyl-d14 (S)	27	%.	10-113	1	12/04/15 09:05	12/09/15 16:41	1718-51-0	E
Phenol-d5 (S)	38	%.	10-58	1	12/04/15 09:05	12/09/15 16:41	4165-62-2	E
2-Fluorophenol (S)	44	%.	11-79	1	12/04/15 09:05	12/09/15 16:41	367-12-4	E
2,4,6-Tribromophenol (S)	69	%.	29-158	1	12/04/15 09:05	12/09/15 16:41	118-79-6	E
8260 MSV	Analytical Method: EPA 8260							
Acetone	**15.1**	ug/L	10.0	1		12/07/15 19:01	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/07/15 19:01	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/07/15 19:01	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/07/15 19:01	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/07/15 19:01	107-05-1	N2
Benzene	**54.4**	ug/L	5.0	1		12/07/15 19:01	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/07/15 19:01	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/07/15 19:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/07/15 19:01	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/07/15 19:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/07/15 19:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/07/15 19:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/07/15 19:01	56-23-5	
Chlorobenzene	**58.1**	ug/L	5.0	1		12/07/15 19:01	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/07/15 19:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/07/15 19:01	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/07/15 19:01	74-87-3	
Chloroprene	ND	ug/L	100	1		12/07/15 19:01	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/07/15 19:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/07/15 19:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/07/15 19:01	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/07/15 19:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 19:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 19:01	541-73-1	
1,4-Dichlorobenzene	**19.4**	ug/L	5.0	1		12/07/15 19:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/07/15 19:01	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/07/15 19:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/07/15 19:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/07/15 19:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/07/15 19:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 19:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 19:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 19:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/07/15 19:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 19:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/07/15 19:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 19:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 19:01	10061-02-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A-D **Lab ID: 50133416007** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Ethylbenzene	**18.1**	ug/L	5.0	1		12/07/15 19:01	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/07/15 19:01	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/07/15 19:01	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/07/15 19:01	74-88-4	
Isobutanol	ND	ug/L	100	1		12/07/15 19:01	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/07/15 19:01	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/07/15 19:01	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/07/15 19:01	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/07/15 19:01	108-10-1	
Propionitrile	ND	ug/L	100	1		12/07/15 19:01	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/07/15 19:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 19:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 19:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/07/15 19:01	127-18-4	
Toluene	**29.1**	ug/L	5.0	1		12/07/15 19:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/07/15 19:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/07/15 19:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/07/15 19:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/07/15 19:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/07/15 19:01	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/07/15 19:01	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/07/15 19:01	75-01-4	
Xylene (Total)	**54.8**	ug/L	5.0	1		12/07/15 19:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/07/15 19:01	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/07/15 19:01	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		12/07/15 19:01	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**4140**	mg/L	50.0	1		12/03/15 15:50		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**1350**	mg/L	10.0	1	12/08/15 08:52	12/08/15 14:23		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/02/15 12:12		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:39		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**1.6**	mg/L	0.25	5	12/15/15 11:00	12/16/15 14:50	7723-14-0	
4500 Ammonia Water, Distilled	Analytical Method: SM 4500-NH3 G Preparation Method: SM 4500-NH3 B							
Nitrogen, Ammonia	**365**	mg/L	6.0	1	12/08/15 06:34	12/08/15 10:34	7664-41-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-5A-D **Lab ID: 50133416007** Collected: 12/01/15 08:40 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**346**	mg/L	40.0	40		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.010	1	12/10/15 12:10	12/10/15 19:02	57-12-5	

Sample: LCS-3D **Lab ID: 50133416008** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**10.29**	Std. Units		1		12/01/15 10:00		
Field Temperature	**15.9**	deg C		1		12/01/15 10:00		
Field Specific Conductance	**5450**	umhos/cm		1		12/01/15 10:00		
Field Turbidity	**102.2**	NTU		1		12/01/15 10:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**5680**	mg/L	250	1000		12/05/15 03:50	16887-00-6	
Fluoride	ND	mg/L	1.0	10		12/05/15 03:16	16984-48-8	D3
Sulfate	**461**	mg/L	25.0	100		12/05/15 03:33	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.50	10	12/03/15 14:10	12/11/15 01:49	319-84-6	D3
gamma-BHC (Lindane)	ND	ug/L	0.50	10	12/03/15 14:10	12/11/15 01:49	58-89-9	
beta-BHC	ND	ug/L	0.50	10	12/03/15 14:10	12/11/15 01:49	319-85-7	
Heptachlor	ND	ug/L	0.50	10	12/03/15 14:10	12/11/15 01:49	76-44-8	
delta-BHC	ND	ug/L	0.50	10	12/03/15 14:10	12/11/15 01:49	319-86-8	
Aldrin	ND	ug/L	0.50	10	12/03/15 14:10	12/11/15 01:49	309-00-2	
Heptachlor epoxide	ND	ug/L	0.50	10	12/03/15 14:10	12/11/15 01:49	1024-57-3	
Endosulfan I	ND	ug/L	0.50	10	12/03/15 14:10	12/11/15 01:49	959-98-8	
4,4'-DDE	ND	ug/L	1.0	10	12/03/15 14:10	12/11/15 01:49	72-55-9	
Dieldrin	ND	ug/L	1.0	10	12/03/15 14:10	12/11/15 01:49	60-57-1	
Endrin	ND	ug/L	1.0	10	12/03/15 14:10	12/11/15 01:49	72-20-8	
4,4'-DDD	ND	ug/L	1.0	10	12/03/15 14:10	12/11/15 01:49	72-54-8	
Endosulfan II	ND	ug/L	1.0	10	12/03/15 14:10	12/11/15 01:49	33213-65-9	
4,4'-DDT	ND	ug/L	1.0	10	12/03/15 14:10	12/11/15 01:49	50-29-3	
Endrin aldehyde	ND	ug/L	1.0	10	12/03/15 14:10	12/11/15 01:49	7421-93-4	
Endosulfan sulfate	ND	ug/L	1.0	10	12/03/15 14:10	12/11/15 01:49	1031-07-8	
Methoxychlor	ND	ug/L	5.0	10	12/03/15 14:10	12/11/15 01:49	72-43-5	
Chlordane (Technical)	ND	ug/L	5.0	10	12/03/15 14:10	12/11/15 01:49	57-74-9	
alpha-Chlordane	ND	ug/L	5.0	10	12/03/15 14:10	12/11/15 01:49	5103-71-9	
gamma-Chlordane	ND	ug/L	5.0	10	12/03/15 14:10	12/11/15 01:49	5103-74-2	
Toxaphene	ND	ug/L	10.0	10	12/03/15 14:10	12/11/15 01:49	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	0	%.	10-128	10	12/03/15 14:10	12/11/15 01:49	2051-24-3	S4

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-3D **Lab ID: 50133416008** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:25	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/03/15 16:35	12/04/15 20:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**2.8**	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:25	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:25	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	5	%.	32-115	1	12/03/15 16:35	12/04/15 20:25	877-09-8	4d
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	160	100	12/03/15 13:05	12/08/15 04:59	93-76-5	D3,P3
2,4-D	ND	ug/L	160	100	12/03/15 13:05	12/08/15 04:59	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	160	100	12/03/15 13:05	12/08/15 04:59	93-72-1	
Surrogates								
2,4-DCAA (S)	0	%.	24-210	100	12/03/15 13:05	12/08/15 04:59	19719-28-9	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**2910**	ug/L	50.0	1	12/05/15 06:57	12/11/15 10:08	7440-39-3	
Boron	**18500**	ug/L	500	1	12/05/15 06:57	12/11/15 10:08	7440-42-8	
Calcium	**5140000**	ug/L	25000	10	12/05/15 06:57	12/11/15 12:16	7440-70-2	
Cobalt	**63.7**	ug/L	25.0	1	12/05/15 06:57	12/11/15 10:08	7440-48-4	
Iron	**1590000**	ug/L	250	1	12/05/15 06:57	12/11/15 10:08	7439-89-6	B
Magnesium	**564000**	ug/L	2500	1	12/05/15 06:57	12/11/15 10:08	7439-95-4	
Manganese	**79200**	ug/L	25.0	1	12/05/15 06:57	12/11/15 10:08	7439-96-5	
Nickel	**68.5**	ug/L	50.0	1	12/05/15 06:57	12/11/15 10:08	7440-02-0	
Sodium	**2070000**	ug/L	50000	10	12/05/15 06:57	12/11/15 12:16	7440-23-5	
Tin	**51.2**	ug/L	50.0	1	12/05/15 06:57	12/11/15 10:08	7440-31-5	
Total Hardness by 2340B	**15200000**	ug/L	50000	10	12/05/15 06:57	12/11/15 12:16		
Zinc	**24900**	ug/L	100	1	12/05/15 06:57	12/11/15 10:08	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	**38.7**	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:18	7440-36-0	
Arsenic	**502**	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:18	7440-38-2	
Beryllium	ND	ug/L	10.0	1	01/15/16 09:00	01/18/16 15:18	7440-41-7	
Cadmium	**4.9**	ug/L	1.0	1	01/15/16 09:00	01/18/16 15:18	7440-43-9	
Chromium	**240**	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:18	7440-47-3	
Copper	**40.6**	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:18	7440-50-8	
Lead	**320**	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:18	7439-92-1	
Selenium	ND	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:18	7782-49-2	
Silver	ND	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:18	7440-22-4	
Thallium	ND	ug/L	10.0	1	01/15/16 09:00	01/18/16 15:18	7440-28-0	
Vanadium	ND	ug/L	50.0	1	01/15/16 09:00	01/18/16 15:18	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	1.2	1	12/12/15 19:41	12/14/15 11:24	7439-97-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-3D **Lab ID: 50133416008** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	83-32-9	
Acenaphthylene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	208-96-8	
Acetophenone	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	98-86-2	
2-Acetylaminofluorene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	53-96-3	
4-Aminobiphenyl	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	92-67-1	
Anthracene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	207-08-9	
Benzyl alcohol	**2920**	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	101-55-3	
Butylbenzylphthalate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	59-50-7	
4-Chloroaniline	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	106-47-8	
Chlorobenzilate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	111-44-4	1d
bis(2-Chloroisopropyl) ether	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	108-60-1	
2-Chloronaphthalene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	91-58-7	
2-Chlorophenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	7005-72-3	
Chrysene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	218-01-9	
Diallate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	53-70-3	
Dibenzofuran	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	444	20	12/04/15 09:05	12/17/15 18:22	91-94-1	
2,4-Dichlorophenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	120-83-2	
2,6-Dichlorophenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	87-65-0	
Diethylphthalate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	84-66-2	
Dimethoate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	444	20	12/04/15 09:05	12/17/15 18:22	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	444	20	12/04/15 09:05	12/17/15 18:22	119-93-7	
2,4-Dimethylphenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	105-67-9	
Dimethylphthalate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	131-11-3	
Di-n-butylphthalate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	99-65-0	
2,4-Dinitrophenol	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	606-20-2	
Di-n-octylphthalate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	117-84-0	
Dinoseb	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	88-85-7	
Diphenylamine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	122-39-4	
Disulfoton	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	298-04-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-3D **Lab ID: 50133416008** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
bis(2-Ethylhexyl)phthalate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	117-81-7	
Ethyl methanesulfonate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	62-50-0	
Famphur	ND	ug/L	4440	20	12/04/15 09:05	12/17/15 18:22	52-85-7	
Fluoranthene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	206-44-0	
Fluorene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	87-68-3	
Hexachlorobenzene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	77-47-4	
Hexachloroethane	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	67-72-1	
Hexachloropropene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	193-39-5	
Isodrin	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	465-73-6	
Isophorone	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	78-59-1	
Isosafrole	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	120-58-1	
Kepone	ND	ug/L	4440	20	12/04/15 09:05	12/17/15 18:22	143-50-0	
Methapyrilene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	91-80-5	
3-Methylcholanthrene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	56-49-5	
Methyl methanesulfonate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	66-27-3	
2-Methylnaphthalene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	91-57-6	
Methyl parathion	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	**36100**	ug/L	4440	400	12/04/15 09:05	12/18/15 12:57		
1-Naphthalenamine	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	134-32-7	
2-Naphthalenamine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	91-59-8	
Naphthalene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	91-20-3	
1,4-Naphthoquinone	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	130-15-4	
2-Nitroaniline	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	88-74-4	
3-Nitroaniline	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	99-09-2	
4-Nitroaniline	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	100-01-6	
Nitrobenzene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	98-95-3	
2-Nitrophenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	88-75-5	
4-Nitrophenol	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	56-38-2	
Pentachlorobenzene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	608-93-5	
Pentachloronitrobenzene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	82-68-8	
Pentachlorophenol	ND	ug/L	1110	20	12/04/15 09:05	12/17/15 18:22	87-86-5	
Phenacetin	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	62-44-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-3D **Lab ID: 50133416008** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Phenanthrene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	85-01-8	
Phenol	**21500**	ug/L	4440	400	12/04/15 09:05	12/18/15 12:57	108-95-2	
p-Phenylenediamine	ND	ug/L	444	20	12/04/15 09:05	12/17/15 18:22	106-50-3	
Phorate	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	298-02-2	
Pronamide	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	23950-58-5	
Pyrene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	129-00-0	
Safrole	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	58-90-2	
Thionazin	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	297-97-2	
O-Toluidine	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	222	20	12/04/15 09:05	12/17/15 18:22	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	444	20	12/04/15 09:05	12/17/15 18:22	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	104	%.	38-124	20	12/04/15 09:05	12/17/15 18:22	4165-60-0	
2-Fluorobiphenyl (S)	5	%.	33-114	20	12/04/15 09:05	12/17/15 18:22	321-60-8	S4
p-Terphenyl-d14 (S)	3	%.	10-113	20	12/04/15 09:05	12/17/15 18:22	1718-51-0	S4
Phenol-d5 (S)	13	%.	10-58	20	12/04/15 09:05	12/17/15 18:22	4165-62-2	
2-Fluorophenol (S)	10	%.	11-79	20	12/04/15 09:05	12/17/15 18:22	367-12-4	S4
2,4,6-Tribromophenol (S)	10	%.	29-158	20	12/04/15 09:05	12/17/15 18:22	118-79-6	S4
8260 MSV	Analytical Method: EPA 8260							
Acetone	**160000**	ug/L	2000	200		12/04/15 22:40	67-64-1	
Acetonitrile	ND	ug/L	1000	10		12/04/15 06:36	75-05-8	
Acrolein	ND	ug/L	500	10		12/04/15 06:36	107-02-8	
Acrylonitrile	ND	ug/L	1000	10		12/04/15 06:36	107-13-1	
Allyl chloride	ND	ug/L	50.0	10		12/04/15 06:36	107-05-1	N2
Benzene	ND	ug/L	50.0	10		12/04/15 06:36	71-43-2	
Bromochloromethane	ND	ug/L	50.0	10		12/04/15 06:36	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	10		12/04/15 06:36	75-27-4	
Bromoform	ND	ug/L	50.0	10		12/04/15 06:36	75-25-2	
Bromomethane	ND	ug/L	100	10		12/04/15 06:36	74-83-9	
2-Butanone (MEK)	**84700**	ug/L	2000	200		12/04/15 22:40	78-93-3	
Carbon disulfide	ND	ug/L	100	10		12/04/15 06:36	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		12/04/15 06:36	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		12/04/15 06:36	108-90-7	
Chloroethane	ND	ug/L	100	10		12/04/15 06:36	75-00-3	
Chloroform	ND	ug/L	50.0	10		12/04/15 06:36	67-66-3	
Chloromethane	ND	ug/L	100	10		12/04/15 06:36	74-87-3	
Chloroprene	ND	ug/L	1000	10		12/04/15 06:36	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	10		12/04/15 06:36	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		12/04/15 06:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		12/04/15 06:36	106-93-4	
Dibromomethane	ND	ug/L	100	10		12/04/15 06:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		12/04/15 06:36	95-50-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-3D **Lab ID: 50133416008** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	**83.7**	ug/L	50.0	10		12/04/15 06:36	541-73-1	
1,4-Dichlorobenzene	**80.2**	ug/L	50.0	10		12/04/15 06:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	10		12/04/15 06:36	110-57-6	
Dichlorodifluoromethane	ND	ug/L	50.0	10		12/04/15 06:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		12/04/15 06:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		12/04/15 06:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		12/04/15 06:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	10		12/04/15 06:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		12/04/15 06:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		12/04/15 06:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	10		12/04/15 06:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	50.0	10		12/04/15 06:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	10		12/04/15 06:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		12/04/15 06:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		12/04/15 06:36	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		12/04/15 06:36	100-41-4	
Ethyl methacrylate	ND	ug/L	1000	10		12/04/15 06:36	97-63-2	
2-Hexanone	**711**	ug/L	100	10		12/04/15 06:36	591-78-6	
Iodomethane	ND	ug/L	50.0	10		12/04/15 06:36	74-88-4	
Isobutanol	ND	ug/L	1000	10		12/04/15 06:36	78-83-1	N2
Methacrylonitrile	ND	ug/L	1000	10		12/04/15 06:36	126-98-7	N2
Methylene Chloride	ND	ug/L	50.0	10		12/04/15 06:36	75-09-2	
Methyl methacrylate	ND	ug/L	1000	10		12/04/15 06:36	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	**812**	ug/L	100	10		12/04/15 06:36	108-10-1	
Propionitrile	ND	ug/L	1000	10		12/04/15 06:36	107-12-0	N2
Styrene	ND	ug/L	50.0	10		12/04/15 06:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	10		12/04/15 06:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		12/04/15 06:36	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		12/04/15 06:36	127-18-4	
Toluene	ND	ug/L	50.0	10		12/04/15 06:36	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		12/04/15 06:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		12/04/15 06:36	79-00-5	
Trichloroethene	ND	ug/L	50.0	10		12/04/15 06:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	10		12/04/15 06:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	10		12/04/15 06:36	96-18-4	
Vinyl acetate	ND	ug/L	100	10		12/04/15 06:36	108-05-4	
Vinyl chloride	ND	ug/L	20.0	10		12/04/15 06:36	75-01-4	
Xylene (Total)	**62.4**	ug/L	50.0	10		12/04/15 06:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	10		12/04/15 06:36	1868-53-7	D4,F1, HS
4-Bromofluorobenzene (S)	106	%.	80-114	10		12/04/15 06:36	460-00-4	
Toluene-d8 (S)	97	%.	81-110	10		12/04/15 06:36	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**44500**	mg/L	100	1		12/03/15 15:51		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-3D **Lab ID: 50133416008** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 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	**70400**	mg/L	1000	1	12/08/15 08:52	12/08/15 14:23		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	10.0	10		12/02/15 12:12		D3
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	5.0	50		12/11/15 15:40		D3
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**1.6**	mg/L	0.50	1	12/15/15 11:00	12/16/15 10:57	7723-14-0	
4500 Ammonia Water, Distilled	Analytical Method: SM 4500-NH3 G Preparation Method: SM 4500-NH3 B							
Nitrogen, Ammonia	**407**	mg/L	6.0	1	12/08/15 06:34	12/08/15 10:35	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**21800**	mg/L	2000	2000		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	**0.012**	mg/L	0.010	1	12/10/15 12:10	12/10/15 19:06	57-12-5	

Sample: PZ-211-SD **Lab ID: 50133416009** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.57**	Std. Units		1		12/01/15 11:10		
Field Temperature	**13.9**	deg C		1		12/01/15 11:10		
Field Specific Conductance	**892**	umhos/cm		1		12/01/15 11:10		
Field Turbidity	**13.28**	NTU		1		12/01/15 11:10		
Total Well Depth	**99.35**	feet		1		12/01/15 11:10		
Elevation Water Level	**465.58**	ft/msl		1		12/01/15 11:10		
Collar Elevation	**487.46**	ft/msl		1		12/01/15 11:10		
Depth to Water	**21.88**	feet		1		12/01/15 11:10		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**15.3**	mg/L	2.5	10		12/05/15 04:58	16887-00-6	
Fluoride	**2.3**	mg/L	0.10	1		12/05/15 04:41	16984-48-8	
Sulfate	**96.7**	mg/L	2.5	10		12/05/15 04:58	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/07/15 23:38	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/03/15 14:10	12/07/15 23:38	58-89-9	
beta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/07/15 23:38	319-85-7	
Heptachlor	ND	ug/L	0.050	1	12/03/15 14:10	12/07/15 23:38	76-44-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SD **Lab ID: 50133416009** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
delta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/07/15 23:38	319-86-8	
Aldrin	ND	ug/L	0.050	1	12/03/15 14:10	12/07/15 23:38	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	12/03/15 14:10	12/07/15 23:38	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	12/03/15 14:10	12/07/15 23:38	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	12/03/15 14:10	12/07/15 23:38	72-55-9	
Dieldrin	ND	ug/L	0.10	1	12/03/15 14:10	12/07/15 23:38	60-57-1	
Endrin	ND	ug/L	0.10	1	12/03/15 14:10	12/07/15 23:38	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	12/03/15 14:10	12/07/15 23:38	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	12/03/15 14:10	12/07/15 23:38	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	12/03/15 14:10	12/07/15 23:38	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	12/03/15 14:10	12/07/15 23:38	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	12/03/15 14:10	12/07/15 23:38	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	12/03/15 14:10	12/07/15 23:38	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	12/03/15 14:10	12/07/15 23:38	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/07/15 23:38	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/07/15 23:38	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	12/03/15 14:10	12/07/15 23:38	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	26	%.	10-128	1	12/03/15 14:10	12/07/15 23:38	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:20	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/03/15 16:35	12/07/15 13:20	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:20	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:20	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:20	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:20	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:20	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	57	%.	32-115	1	12/03/15 16:35	12/07/15 13:20	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 22:21	93-76-5	
2,4-D	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 22:21	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/03/15 13:05	12/07/15 22:21	93-72-1	
Surrogates								
2,4-DCAA (S)	117	%.	24-210	1	12/03/15 13:05	12/07/15 22:21	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**27.5**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:11	7440-39-3	
Boron	**169**	ug/L	100	1	12/05/15 06:57	12/11/15 10:11	7440-42-8	
Calcium	**43200**	ug/L	500	1	12/05/15 06:57	12/11/15 10:11	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:11	7440-48-4	
Iron	**629**	ug/L	50.0	1	12/13/15 10:53	12/14/15 11:23	7439-89-6	
Magnesium	**20000**	ug/L	500	1	12/05/15 06:57	12/11/15 10:11	7439-95-4	
Manganese	**37.6**	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:11	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:11	7440-02-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SD **Lab ID: 50133416009** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Sodium	**150000**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:11	7440-23-5	
Tin	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:11	7440-31-5	
Total Hardness by 2340B	**190000**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:11		
Zinc	ND	ug/L	20.0	1	12/05/15 06:57	12/11/15 10:11	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:44	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:44	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:44	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 22:44	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:44	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:44	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:44	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:44	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:44	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:44	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 22:44	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:26	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	218-01-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SD **Lab ID: 50133416009** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Diallate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:21	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:21	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:21	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	62-50-0	
Famphur	ND	ug/L	200	1	12/04/15 09:05	12/09/15 17:21	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	120-58-1	
Kepone	ND	ug/L	200	1	12/04/15 09:05	12/09/15 17:21	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21		
1-Naphthalenamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	91-59-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SD **Lab ID: 50133416009** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Naphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:21	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	85-01-8	
Phenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:21	106-50-3	
Phorate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	129-00-0	
Safrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:21	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:21	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	67	%.	38-124	1	12/04/15 09:05	12/09/15 17:21	4165-60-0	E
2-Fluorobiphenyl (S)	61	%.	33-114	1	12/04/15 09:05	12/09/15 17:21	321-60-8	E
p-Terphenyl-d14 (S)	32	%.	10-113	1	12/04/15 09:05	12/09/15 17:21	1718-51-0	E
Phenol-d5 (S)	33	%.	10-58	1	12/04/15 09:05	12/09/15 17:21	4165-62-2	E
2-Fluorophenol (S)	45	%.	11-79	1	12/04/15 09:05	12/09/15 17:21	367-12-4	E
2,4,6-Tribromophenol (S)	51	%.	29-158	1	12/04/15 09:05	12/09/15 17:21	118-79-6	E

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SD **Lab ID: 50133416009** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 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		12/07/15 15:28	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/07/15 15:28	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/07/15 15:28	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/07/15 15:28	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/07/15 15:28	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/07/15 15:28	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/07/15 15:28	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/07/15 15:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/07/15 15:28	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/07/15 15:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/07/15 15:28	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/07/15 15:28	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/07/15 15:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/07/15 15:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/07/15 15:28	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/07/15 15:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/07/15 15:28	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/07/15 15:28	74-87-3	
Chloroprene	ND	ug/L	100	1		12/07/15 15:28	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/07/15 15:28	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/07/15 15:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/07/15 15:28	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/07/15 15:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 15:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 15:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/07/15 15:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/07/15 15:28	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/07/15 15:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/07/15 15:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/07/15 15:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/07/15 15:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 15:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/07/15 15:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 15:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/07/15 15:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/07/15 15:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/07/15 15:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 15:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/07/15 15:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/07/15 15:28	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/07/15 15:28	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/07/15 15:28	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/07/15 15:28	74-88-4	
Isobutanol	ND	ug/L	100	1		12/07/15 15:28	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/07/15 15:28	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/07/15 15:28	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/07/15 15:28	126-98-7	N2

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SD **Lab ID: 50133416009** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	5.0	1		12/07/15 15:28	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/07/15 15:28	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/07/15 15:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/07/15 15:28	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/07/15 15:28	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/07/15 15:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 15:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/07/15 15:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/07/15 15:28	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/07/15 15:28	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/07/15 15:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/07/15 15:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/07/15 15:28	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/07/15 15:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/07/15 15:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/07/15 15:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/07/15 15:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/07/15 15:28	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/07/15 15:28	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/07/15 15:28	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/07/15 15:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		12/07/15 15:28	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/07/15 15:28	460-00-4	
Toluene-d8 (S)	92	%.	81-110	1		12/07/15 15:28	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**618**	mg/L	10.0	1		12/03/15 15:51		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	2.0	2		12/02/15 12:15		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:41		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/15/15 11:00	12/16/15 10:58	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.78**	mg/L	0.10	1		12/04/15 10:41	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.3**	mg/L	1.0	1		12/10/15 12:11	7440-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SD **Lab ID: 50133416009** Collected: 12/01/15 10:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 19:07	57-12-5	

Sample: PZ-211-SS **Lab ID: 50133416010** Collected: 12/01/15 14:30 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.39**	Std. Units		1		12/01/15 14:30		
Field Temperature	**14.1**	deg C		1		12/01/15 14:30		
Field Specific Conductance	**648**	umhos/cm		1		12/01/15 14:30		
Field Turbidity	**20.82**	NTU		1		12/01/15 14:30		
Total Well Depth	**98.14**	feet		1		12/01/15 14:30		
Elevation Water Level	**467.14**	ft/msl		1		12/01/15 14:30		
Collar Elevation	**487.41**	ft/msl		1		12/01/15 14:30		
Depth to Water	**20.27**	feet		1		12/01/15 14:30		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**8.2**	mg/L	0.25	1		12/05/15 05:15	16887-00-6	
Fluoride	**1.6**	mg/L	0.10	1		12/05/15 05:15	16984-48-8	
Sulfate	**35.6**	mg/L	2.5	10		12/05/15 05:32	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 21:57	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 21:57	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 21:57	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 21:57	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 21:57	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/03/15 14:10	12/09/15 21:57	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/09/15 21:57	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/09/15 21:57	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 21:57	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 21:57	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 21:57	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 21:57	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 21:57	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 21:57	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 21:57	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 21:57	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 21:57	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 21:57	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 21:57	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/03/15 14:10	12/09/15 21:57	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/03/15 14:10	12/09/15 21:57	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	29	%.	10-128	1	12/03/15 14:10	12/09/15 21:57	2051-24-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SS **Lab ID: 50133416010** Collected: 12/01/15 14:30 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:28	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/03/15 16:35	12/07/15 13:28	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:28	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:28	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:28	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:28	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:28	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	50	%.	32-115	1	12/03/15 16:35	12/07/15 13:28	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 01:25	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 01:25	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 01:25	93-72-1	
Surrogates								
2,4-DCAA (S)	102	%.	24-210	1	12/03/15 13:05	12/08/15 01:25	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**77.3**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:13	7440-39-3	
Boron	**458**	ug/L	100	1	12/05/15 06:57	12/11/15 10:13	7440-42-8	
Calcium	**71700**	ug/L	500	1	12/05/15 06:57	12/11/15 10:13	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:13	7440-48-4	
Iron	**1450**	ug/L	50.0	1	12/13/15 10:53	12/14/15 11:26	7439-89-6	
Magnesium	**41900**	ug/L	500	1	12/05/15 06:57	12/11/15 10:13	7439-95-4	
Manganese	**64.3**	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:13	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:13	7440-02-0	
Sodium	**26900**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:13	7440-23-5	
Tin	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:13	7440-31-5	
Total Hardness by 2340B	**352000**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:13		
Zinc	ND	ug/L	20.0	1	12/05/15 06:57	12/11/15 10:13	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:49	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:49	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:49	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 22:49	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:49	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:49	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:49	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:49	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 22:49	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 22:49	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 22:49	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:28	7439-97-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SS **Lab ID: 50133416010** Collected: 12/01/15 14:30 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	218-01-9	
Diallate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:41	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:41	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:41	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	298-04-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SS **Lab ID: 50133416010** Collected: 12/01/15 14:30 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	62-50-0	
Famphur	ND	ug/L	200	1	12/04/15 09:05	12/09/15 17:41	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	120-58-1	
Kepone	ND	ug/L	200	1	12/04/15 09:05	12/09/15 17:41	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41		
1-Naphthalenamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 17:41	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	62-44-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SS **Lab ID: 50133416010** Collected: 12/01/15 14:30 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Phenanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	85-01-8	
Phenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:41	106-50-3	
Phorate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	129-00-0	
Safrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 17:41	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 17:41	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	70	%.	38-124	1	12/04/15 09:05	12/09/15 17:41	4165-60-0	E
2-Fluorobiphenyl (S)	60	%.	33-114	1	12/04/15 09:05	12/09/15 17:41	321-60-8	E
p-Terphenyl-d14 (S)	42	%.	10-113	1	12/04/15 09:05	12/09/15 17:41	1718-51-0	E
Phenol-d5 (S)	30	%.	10-58	1	12/04/15 09:05	12/09/15 17:41	4165-62-2	E
2-Fluorophenol (S)	37	%.	11-79	1	12/04/15 09:05	12/09/15 17:41	367-12-4	E
2,4,6-Tribromophenol (S)	59	%.	29-158	1	12/04/15 09:05	12/09/15 17:41	118-79-6	E
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/04/15 07:42	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/04/15 07:42	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/04/15 07:42	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/04/15 07:42	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/04/15 07:42	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/04/15 07:42	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/04/15 07:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/04/15 07:42	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/04/15 07:42	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/04/15 07:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/04/15 07:42	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/04/15 07:42	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/04/15 07:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/04/15 07:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/04/15 07:42	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/04/15 07:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/04/15 07:42	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/04/15 07:42	74-87-3	
Chloroprene	ND	ug/L	100	1		12/04/15 07:42	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/15 07:42	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/04/15 07:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/04/15 07:42	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/04/15 07:42	74-95-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SS **Lab ID: 50133416010** Collected: 12/01/15 14:30 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 07:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 07:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 07:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/04/15 07:42	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/04/15 07:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/04/15 07:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/04/15 07:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/04/15 07:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/04/15 07:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/04/15 07:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/04/15 07:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/04/15 07:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/04/15 07:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/04/15 07:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/04/15 07:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/04/15 07:42	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/04/15 07:42	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/04/15 07:42	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/04/15 07:42	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/15 07:42	74-88-4	
Isobutanol	ND	ug/L	100	1		12/04/15 07:42	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/04/15 07:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/04/15 07:42	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/04/15 07:42	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/04/15 07:42	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/04/15 07:42	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/04/15 07:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/04/15 07:42	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/04/15 07:42	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/04/15 07:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/04/15 07:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/04/15 07:42	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/04/15 07:42	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/04/15 07:42	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/04/15 07:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/04/15 07:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/04/15 07:42	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/04/15 07:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/04/15 07:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/04/15 07:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/04/15 07:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/04/15 07:42	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/04/15 07:42	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/04/15 07:42	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/04/15 07:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		12/04/15 07:42	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-211-SS **Lab ID: 50133416010** Collected: 12/01/15 14:30 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/04/15 07:42	460-00-4	
Toluene-d8 (S)	94	%.	81-110	1		12/04/15 07:42	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**394**	mg/L	10.0	1		12/03/15 15:52		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/02/15 12:16		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:42		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/15/15 11:00	12/16/15 10:58	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.13**	mg/L	0.10	1		12/04/15 10:42	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	2.0	2		12/10/15 12:11	7440-44-0	D3
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 19:09	57-12-5	

Sample: TB-08 **Lab ID: 50133416011** Collected: 12/01/15 00:00 Received: 12/02/15 08:15 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		12/04/15 08:14	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/04/15 08:14	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/04/15 08:14	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/04/15 08:14	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/04/15 08:14	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/04/15 08:14	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/04/15 08:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/04/15 08:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/04/15 08:14	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/04/15 08:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/04/15 08:14	78-93-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: TB-08 **Lab ID: 50133416011** Collected: 12/01/15 00:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
n-Butyl chloride	ND	ug/L	5.0	1		12/04/15 08:14	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/04/15 08:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/04/15 08:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/04/15 08:14	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/04/15 08:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/04/15 08:14	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/04/15 08:14	74-87-3	
Chloroprene	ND	ug/L	100	1		12/04/15 08:14	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/15 08:14	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/04/15 08:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/04/15 08:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/04/15 08:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 08:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 08:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/04/15 08:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/04/15 08:14	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/04/15 08:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/04/15 08:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/04/15 08:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/04/15 08:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/04/15 08:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/04/15 08:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/04/15 08:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/04/15 08:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/04/15 08:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/04/15 08:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/04/15 08:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/04/15 08:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/04/15 08:14	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/04/15 08:14	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/04/15 08:14	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/15 08:14	74-88-4	
Isobutanol	ND	ug/L	100	1		12/04/15 08:14	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/04/15 08:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/04/15 08:14	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/04/15 08:14	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/04/15 08:14	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/04/15 08:14	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/04/15 08:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/04/15 08:14	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/04/15 08:14	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/04/15 08:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/04/15 08:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/04/15 08:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/04/15 08:14	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/04/15 08:14	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/04/15 08:14	108-88-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: TB-08 **Lab ID: 50133416011** Collected: 12/01/15 00:00 Received: 12/02/15 08:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/04/15 08:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/04/15 08:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/04/15 08:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/04/15 08:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/04/15 08:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/04/15 08:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/04/15 08:14	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/04/15 08:14	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/04/15 08:14	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/04/15 08:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	79-116	1		12/04/15 08:14	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114	1		12/04/15 08:14	460-00-4	
Toluene-d8 (S)	93	%.	81-110	1		12/04/15 08:14	2037-26-5	

Sample: PZ-209-SD **Lab ID: 50133416012** Collected: 12/02/15 08:47 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.51**	Std. Units		1		12/02/15 08:47		
Field Temperature	**12.8**	deg C		1		12/02/15 08:47		
Field Specific Conductance	**766**	umhos/cm		1		12/02/15 08:47		
Field Turbidity	**1.34**	NTU		1		12/02/15 08:47		
Total Well Depth	**101.40**	feet		1		12/02/15 08:47		
Elevation Water Level	**466.10**	ft/msl		1		12/02/15 08:47		
Collar Elevation	**489.58**	ft/msl		1		12/02/15 08:47		
Depth to Water	**23.48**	feet		1		12/02/15 08:47		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**10.5**	mg/L	0.25	1		12/08/15 12:42	16887-00-6	
Fluoride	**2.2**	mg/L	0.10	1		12/08/15 12:42	16984-48-8	
Sulfate	**40.7**	mg/L	2.5	10		12/08/15 13:33	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:03	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:03	58-89-9	
beta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:03	319-85-7	
Heptachlor	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:03	76-44-8	
delta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:03	319-86-8	
Aldrin	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:03	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:03	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:03	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:03	72-55-9	
Dieldrin	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:03	60-57-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SD **Lab ID: 50133416012** Collected: 12/02/15 08:47 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Endrin	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:03	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:03	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:03	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:03	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:03	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:03	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	12/03/15 14:10	12/08/15 00:03	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	12/03/15 14:10	12/08/15 00:03	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/08/15 00:03	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/08/15 00:03	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	12/03/15 14:10	12/08/15 00:03	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	27	%.	10-128	1	12/03/15 14:10	12/08/15 00:03	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:36	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/03/15 16:35	12/07/15 13:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:36	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:36	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	57	%.	32-115	1	12/03/15 16:35	12/07/15 13:36	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 01:55	93-76-5	
2,4-D	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 01:55	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 01:55	93-72-1	
Surrogates								
2,4-DCAA (S)	115	%.	24-210	1	12/03/15 13:05	12/08/15 01:55	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**41.6**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:15	7440-39-3	
Boron	**118**	ug/L	100	1	12/05/15 06:57	12/11/15 10:15	7440-42-8	
Calcium	**60300**	ug/L	500	1	12/05/15 06:57	12/11/15 10:15	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:15	7440-48-4	
Iron	**637**	ug/L	50.0	1	12/13/15 10:53	12/14/15 11:29	7439-89-6	
Magnesium	**36000**	ug/L	500	1	12/05/15 06:57	12/11/15 10:15	7439-95-4	
Manganese	**78.8**	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:15	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:15	7440-02-0	
Sodium	**79400**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:15	7440-23-5	
Tin	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:15	7440-31-5	
Total Hardness by 2340B	**299000**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:15		
Zinc	ND	ug/L	20.0	1	12/05/15 06:57	12/11/15 10:15	7440-66-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SD **Lab ID: 50133416012** Collected: 12/02/15 08:47 Received: 12/03/15 10:00 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	01/15/16 09:00	01/15/16 23:07	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:07	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:07	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 23:07	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:07	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:07	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:07	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:07	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:07	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:07	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 23:07	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:30	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	218-01-9	
Diallate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:01	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	87-65-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SD **Lab ID: 50133416012** Collected: 12/02/15 08:47 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Diethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:01	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:01	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	62-50-0	
Famphur	ND	ug/L	200	1	12/04/15 09:05	12/09/15 18:01	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	120-58-1	
Kepone	ND	ug/L	200	1	12/04/15 09:05	12/09/15 18:01	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01		
1-Naphthalenamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	98-95-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SD **Lab ID: 50133416012** Collected: 12/02/15 08:47 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Nitrophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:01	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	85-01-8	
Phenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:01	106-50-3	
Phorate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	129-00-0	
Safrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:01	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:01	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	94	%.	38-124	1	12/04/15 09:05	12/09/15 18:01	4165-60-0	E
2-Fluorobiphenyl (S)	77	%.	33-114	1	12/04/15 09:05	12/09/15 18:01	321-60-8	E
p-Terphenyl-d14 (S)	41	%.	10-113	1	12/04/15 09:05	12/09/15 18:01	1718-51-0	E
Phenol-d5 (S)	36	%.	10-58	1	12/04/15 09:05	12/09/15 18:01	4165-62-2	E
2-Fluorophenol (S)	58	%.	11-79	1	12/04/15 09:05	12/09/15 18:01	367-12-4	E
2,4,6-Tribromophenol (S)	80	%.	29-158	1	12/04/15 09:05	12/09/15 18:01	118-79-6	E
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/10/15 23:06	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/10/15 23:06	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/10/15 23:06	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/10/15 23:06	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/10/15 23:06	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/10/15 23:06	71-43-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SD **Lab ID: 50133416012** Collected: 12/02/15 08:47 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Bromochloromethane	ND	ug/L	5.0	1		12/10/15 23:06	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/10/15 23:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/10/15 23:06	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/10/15 23:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/10/15 23:06	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/10/15 23:06	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/10/15 23:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/10/15 23:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/10/15 23:06	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/10/15 23:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/10/15 23:06	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/10/15 23:06	74-87-3	
Chloroprene	ND	ug/L	100	1		12/10/15 23:06	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/10/15 23:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/10/15 23:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/10/15 23:06	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/10/15 23:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 23:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 23:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 23:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/10/15 23:06	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/10/15 23:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/10/15 23:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/10/15 23:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/10/15 23:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/10/15 23:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/10/15 23:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/10/15 23:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/10/15 23:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/10/15 23:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/10/15 23:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/10/15 23:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/10/15 23:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/10/15 23:06	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/10/15 23:06	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/10/15 23:06	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/10/15 23:06	74-88-4	
Isobutanol	ND	ug/L	100	1		12/10/15 23:06	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/10/15 23:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/10/15 23:06	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/10/15 23:06	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/10/15 23:06	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/10/15 23:06	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/10/15 23:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/10/15 23:06	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/10/15 23:06	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/10/15 23:06	100-42-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SD **Lab ID: 50133416012** Collected: 12/02/15 08:47 Received: 12/03/15 10:00 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		12/10/15 23:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/10/15 23:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/10/15 23:06	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/10/15 23:06	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/10/15 23:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/10/15 23:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/10/15 23:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/10/15 23:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/10/15 23:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/10/15 23:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/10/15 23:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/10/15 23:06	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/10/15 23:06	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/10/15 23:06	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/10/15 23:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/10/15 23:06	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/10/15 23:06	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		12/10/15 23:06	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**481**	mg/L	10.0	1		12/04/15 13:09		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	5.0	5		12/04/15 09:12		D3
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:43		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/15/15 11:00	12/16/15 11:01	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/04/15 10:47	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 19:09	57-12-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-111-SD **Lab ID: 50133416013** Collected: 12/02/15 10:58 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.29**	Std. Units		1		12/02/15 10:58		
Field Temperature	**15.1**	deg C		1		12/02/15 10:58		
Field Specific Conductance	**729**	umhos/cm		1		12/02/15 10:58		
Field Turbidity	**1.38**	NTU		1		12/02/15 10:58		
Total Well Depth	**197.08**	feet		1		12/02/15 10:58		
Elevation Water Level	**427.15**	ft/msl		1		12/02/15 10:58		
Collar Elevation	**461.55**	ft/msl		1		12/02/15 10:58		
Depth to Water	**34.40**	feet		1		12/02/15 10:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**11.9**	mg/L	0.25	1		12/08/15 14:24	16887-00-6	
Fluoride	**2.1**	mg/L	0.10	1		12/08/15 14:24	16984-48-8	
Sulfate	**45.5**	mg/L	2.5	10		12/08/15 14:41	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:16	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:16	58-89-9	
beta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:16	319-85-7	
Heptachlor	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:16	76-44-8	
delta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:16	319-86-8	
Aldrin	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:16	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:16	1024-57-3	
Endosulfan I	ND	ug/L	0.050	1	12/03/15 14:10	12/08/15 00:16	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:16	72-55-9	
Dieldrin	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:16	60-57-1	
Endrin	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:16	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:16	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:16	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:16	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:16	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	12/03/15 14:10	12/08/15 00:16	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	12/03/15 14:10	12/08/15 00:16	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	12/03/15 14:10	12/08/15 00:16	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/08/15 00:16	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/08/15 00:16	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	12/03/15 14:10	12/08/15 00:16	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	38	%.	10-128	1	12/03/15 14:10	12/08/15 00:16	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:58	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/03/15 16:35	12/04/15 20:58	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:58	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:58	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:58	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:58	11097-69-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-111-SD **Lab ID: 50133416013** Collected: 12/02/15 10:58 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/03/15 16:35	12/04/15 20:58	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	59	%.	32-115	1	12/03/15 16:35	12/04/15 20:58	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 02:26	93-76-5	
2,4-D	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 02:26	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 02:26	93-72-1	
Surrogates								
2,4-DCAA (S)	116	%.	24-210	1	12/03/15 13:05	12/08/15 02:26	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**110**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:30	7440-39-3	
Boron	ND	ug/L	100	1	12/05/15 06:57	12/11/15 10:30	7440-42-8	
Calcium	**88800**	ug/L	500	1	12/05/15 06:57	12/11/15 10:30	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:30	7440-48-4	
Iron	ND	ug/L	50.0	1	12/05/15 06:57	12/11/15 10:30	7439-89-6	
Magnesium	**51300**	ug/L	500	1	12/05/15 06:57	12/11/15 10:30	7439-95-4	
Manganese	ND	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:30	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:30	7440-02-0	
Sodium	**19200**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:30	7440-23-5	
Tin	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:30	7440-31-5	
Total Hardness by 2340B	**433000**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:30		
Zinc	ND	ug/L	20.0	1	12/05/15 06:57	12/11/15 10:30	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:11	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:11	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:11	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 23:11	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:11	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:11	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:11	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:11	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:11	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:11	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 23:11	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:33	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	53-96-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-111-SD **Lab ID: 50133416013** Collected: 12/02/15 10:58 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
4-Aminobiphenyl	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	218-01-9	
Diallate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:21	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:21	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:21	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	62-50-0	
Famphur	ND	ug/L	200	1	12/04/15 09:05	12/09/15 18:21	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	206-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-111-SD **Lab ID: 50133416013** Collected: 12/02/15 10:58 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Fluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	120-58-1	
Kepone	ND	ug/L	200	1	12/04/15 09:05	12/09/15 18:21	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21		
1-Naphthalenamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:21	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	85-01-8	
Phenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:21	106-50-3	
Phorate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	298-02-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-111-SD **Lab ID: 50133416013** Collected: 12/02/15 10:58 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Pronamide	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	129-00-0	
Safrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:21	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:21	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	71	%.	38-124	1	12/04/15 09:05	12/09/15 18:21	4165-60-0	E
2-Fluorobiphenyl (S)	71	%.	33-114	1	12/04/15 09:05	12/09/15 18:21	321-60-8	E
p-Terphenyl-d14 (S)	34	%.	10-113	1	12/04/15 09:05	12/09/15 18:21	1718-51-0	E
Phenol-d5 (S)	32	%.	10-58	1	12/04/15 09:05	12/09/15 18:21	4165-62-2	E
2-Fluorophenol (S)	50	%.	11-79	1	12/04/15 09:05	12/09/15 18:21	367-12-4	E
2,4,6-Tribromophenol (S)	65	%.	29-158	1	12/04/15 09:05	12/09/15 18:21	118-79-6	E
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/10/15 23:32	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/10/15 23:32	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/10/15 23:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/10/15 23:32	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/10/15 23:32	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/10/15 23:32	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/10/15 23:32	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/10/15 23:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/10/15 23:32	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/10/15 23:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/10/15 23:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/10/15 23:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/10/15 23:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/10/15 23:32	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/10/15 23:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/10/15 23:32	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/10/15 23:32	74-87-3	
Chloroprene	ND	ug/L	100	1		12/10/15 23:32	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/10/15 23:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/10/15 23:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/10/15 23:32	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/10/15 23:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 23:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 23:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 23:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/10/15 23:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/10/15 23:32	75-71-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-111-SD **Lab ID: 50133416013** Collected: 12/02/15 10:58 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	5.0	1		12/10/15 23:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/10/15 23:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/10/15 23:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/10/15 23:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/10/15 23:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/10/15 23:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/10/15 23:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/10/15 23:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/10/15 23:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/10/15 23:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/10/15 23:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/10/15 23:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/10/15 23:32	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/10/15 23:32	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/10/15 23:32	74-88-4	
Isobutanol	ND	ug/L	100	1		12/10/15 23:32	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/10/15 23:32	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/10/15 23:32	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/10/15 23:32	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/10/15 23:32	108-10-1	
Propionitrile	ND	ug/L	100	1		12/10/15 23:32	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/10/15 23:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/10/15 23:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/10/15 23:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/10/15 23:32	127-18-4	
Toluene	ND	ug/L	5.0	1		12/10/15 23:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/10/15 23:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/10/15 23:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/10/15 23:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/10/15 23:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/10/15 23:32	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/10/15 23:32	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/10/15 23:32	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/10/15 23:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/10/15 23:32	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/10/15 23:32	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		12/10/15 23:32	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**449**	mg/L	10.0	1		12/04/15 13:09		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-111-SD **Lab ID: 50133416013** Collected: 12/02/15 10:58 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/04/15 09:13		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.13**	mg/L	0.10	1		12/11/15 15:44		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/15/15 11:00	12/16/15 11:02	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/04/15 10:48	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		12/10/15 12:11	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 19:11	57-12-5	

Sample: PZ-209-SS **Lab ID: 50133416014** Collected: 12/02/15 14:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.47**	Std. Units		1		12/02/15 14:00		
Field Temperature	**13.1**	deg C		1		12/02/15 14:00		
Field Specific Conductance	**648**	umhos/cm		1		12/02/15 14:00		
Field Turbidity	**4.59**	NTU		1		12/02/15 14:00		
Total Well Depth	**99.90**	feet		1		12/02/15 14:00		
Elevation Water Level	**466.92**	ft/msl		1		12/02/15 14:00		
Collar Elevation	**489.68**	ft/msl		1		12/02/15 14:00		
Depth to Water	**22.76**	feet		1		12/02/15 14:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3.2**	mg/L	0.25	1		12/09/15 18:27	16887-00-6	
Fluoride	**1.7**	mg/L	0.10	1		12/09/15 18:27	16984-48-8	
Sulfate	**25.2**	mg/L	2.5	10		12/09/15 18:44	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
alpha-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 22:22	319-84-6	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 22:22	58-89-9	
beta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 22:22	319-85-7	
Heptachlor	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 22:22	76-44-8	
delta-BHC	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 22:22	319-86-8	
Aldrin	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 22:22	309-00-2	
Heptachlor epoxide	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 22:22	1024-57-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SS **Lab ID: 50133416014** Collected: 12/02/15 14:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Endosulfan I	ND	ug/L	0.050	1	12/03/15 14:10	12/09/15 22:22	959-98-8	
4,4'-DDE	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 22:22	72-55-9	
Dieldrin	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 22:22	60-57-1	
Endrin	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 22:22	72-20-8	
4,4'-DDD	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 22:22	72-54-8	
Endosulfan II	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 22:22	33213-65-9	
4,4'-DDT	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 22:22	50-29-3	
Endrin aldehyde	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 22:22	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.10	1	12/03/15 14:10	12/09/15 22:22	1031-07-8	
Methoxychlor	ND	ug/L	0.50	1	12/03/15 14:10	12/09/15 22:22	72-43-5	
Chlordane (Technical)	ND	ug/L	0.50	1	12/03/15 14:10	12/09/15 22:22	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/09/15 22:22	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/03/15 14:10	12/09/15 22:22	5103-74-2	
Toxaphene	ND	ug/L	1.0	1	12/03/15 14:10	12/09/15 22:22	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	25	%.	10-128	1	12/03/15 14:10	12/09/15 22:22	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/03/15 16:35	12/07/15 13:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:44	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/03/15 16:35	12/07/15 13:44	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	43	%.	32-115	1	12/03/15 16:35	12/07/15 13:44	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-T	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 02:56	93-76-5	
2,4-D	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 02:56	94-75-7	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/03/15 13:05	12/08/15 02:56	93-72-1	
Surrogates								
2,4-DCAA (S)	90	%.	24-210	1	12/03/15 13:05	12/08/15 02:56	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**83.5**	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:32	7440-39-3	
Boron	**272**	ug/L	100	1	12/05/15 06:57	12/11/15 10:32	7440-42-8	
Calcium	**72800**	ug/L	500	1	12/05/15 06:57	12/11/15 10:32	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:32	7440-48-4	
Iron	**882**	ug/L	50.0	1	12/13/15 10:53	12/14/15 11:32	7439-89-6	
Magnesium	**48800**	ug/L	500	1	12/05/15 06:57	12/11/15 10:32	7439-95-4	
Manganese	**74.2**	ug/L	5.0	1	12/05/15 06:57	12/11/15 10:32	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:32	7440-02-0	
Sodium	**12100**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:32	7440-23-5	
Tin	ND	ug/L	10.0	1	12/05/15 06:57	12/11/15 10:32	7440-31-5	
Total Hardness by 2340B	**383000**	ug/L	1000	1	12/05/15 06:57	12/11/15 10:32		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SS **Lab ID: 50133416014** Collected: 12/02/15 14:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Zinc	ND	ug/L	20.0	1	12/05/15 06:57	12/11/15 10:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:15	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:15	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:15	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 23:15	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:15	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:15	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:15	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:15	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:15	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:15	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 23:15	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:35	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	218-01-9	
Diallate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	132-64-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SS **Lab ID: 50133416014** Collected: 12/02/15 14:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:41	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:41	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:41	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	62-50-0	
Famphur	ND	ug/L	200	1	12/04/15 09:05	12/09/15 18:41	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	120-58-1	
Kepone	ND	ug/L	200	1	12/04/15 09:05	12/09/15 18:41	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41		
1-Naphthalenamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	88-74-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SS **Lab ID: 50133416014** Collected: 12/02/15 14:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/04/15 09:05	12/09/15 18:41	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	85-01-8	
Phenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:41	106-50-3	
Phorate	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	129-00-0	
Safrole	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/04/15 09:05	12/09/15 18:41	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/04/15 09:05	12/09/15 18:41	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	65	%.	38-124	1	12/04/15 09:05	12/09/15 18:41	4165-60-0	E
2-Fluorobiphenyl (S)	63	%.	33-114	1	12/04/15 09:05	12/09/15 18:41	321-60-8	E
p-Terphenyl-d14 (S)	24	%.	10-113	1	12/04/15 09:05	12/09/15 18:41	1718-51-0	E
Phenol-d5 (S)	26	%.	10-58	1	12/04/15 09:05	12/09/15 18:41	4165-62-2	E
2-Fluorophenol (S)	34	%.	11-79	1	12/04/15 09:05	12/09/15 18:41	367-12-4	E
2,4,6-Tribromophenol (S)	47	%.	29-158	1	12/04/15 09:05	12/09/15 18:41	118-79-6	E
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/10/15 15:02	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/10/15 15:02	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/10/15 15:02	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SS **Lab ID: 50133416014** Collected: 12/02/15 14:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acrylonitrile	ND	ug/L	100	1		12/10/15 15:02	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/10/15 15:02	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/10/15 15:02	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/10/15 15:02	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/10/15 15:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/10/15 15:02	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/10/15 15:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/10/15 15:02	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/10/15 15:02	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/10/15 15:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/10/15 15:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/10/15 15:02	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/10/15 15:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/10/15 15:02	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/10/15 15:02	74-87-3	
Chloroprene	ND	ug/L	100	1		12/10/15 15:02	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/10/15 15:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/10/15 15:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/10/15 15:02	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/10/15 15:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 15:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 15:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 15:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/10/15 15:02	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/10/15 15:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/10/15 15:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/10/15 15:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/10/15 15:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/10/15 15:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/10/15 15:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/10/15 15:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/10/15 15:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/10/15 15:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/10/15 15:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/10/15 15:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/10/15 15:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/10/15 15:02	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/10/15 15:02	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/10/15 15:02	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/10/15 15:02	74-88-4	
Isobutanol	ND	ug/L	100	1		12/10/15 15:02	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/10/15 15:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/10/15 15:02	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/10/15 15:02	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/10/15 15:02	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/10/15 15:02	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/10/15 15:02	108-10-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SS **Lab ID: 50133416014** Collected: 12/02/15 14:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/10/15 15:02	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/10/15 15:02	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/10/15 15:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/10/15 15:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/10/15 15:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/10/15 15:02	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/10/15 15:02	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/10/15 15:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/10/15 15:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/10/15 15:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/10/15 15:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/10/15 15:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/10/15 15:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/10/15 15:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/10/15 15:02	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/10/15 15:02	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/10/15 15:02	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/10/15 15:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/10/15 15:02	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/10/15 15:02	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		12/10/15 15:02	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**400**	mg/L	10.0	1		12/04/15 13:10		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	2.0	2		12/04/15 09:13		D3
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:45		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/15/15 11:00	12/16/15 11:02	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/04/15 10:49	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.1**	mg/L	1.0	1		12/11/15 11:15	7440-44-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-209-SS **Lab ID: 50133416014** Collected: 12/02/15 14:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 19:11	57-12-5	

Sample: TB-09 **Lab ID: 50133416015** Collected: 12/02/15 08:00 Received: 12/03/15 10:00 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		12/10/15 15:27	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/10/15 15:27	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/10/15 15:27	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/10/15 15:27	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/10/15 15:27	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/10/15 15:27	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/10/15 15:27	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/10/15 15:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/10/15 15:27	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/10/15 15:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/10/15 15:27	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/10/15 15:27	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/10/15 15:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/10/15 15:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/10/15 15:27	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/10/15 15:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/10/15 15:27	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/10/15 15:27	74-87-3	
Chloroprene	ND	ug/L	100	1		12/10/15 15:27	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/10/15 15:27	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/10/15 15:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/10/15 15:27	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/10/15 15:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 15:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 15:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/10/15 15:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/10/15 15:27	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/10/15 15:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/10/15 15:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/10/15 15:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/10/15 15:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/10/15 15:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/10/15 15:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/10/15 15:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/10/15 15:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/10/15 15:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/10/15 15:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/10/15 15:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/10/15 15:27	10061-02-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: TB-09 **Lab ID: 50133416015** Collected: 12/02/15 08:00 Received: 12/03/15 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	5.0	1		12/10/15 15:27	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/10/15 15:27	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/10/15 15:27	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/10/15 15:27	74-88-4	
Isobutanol	ND	ug/L	100	1		12/10/15 15:27	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/10/15 15:27	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/10/15 15:27	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/10/15 15:27	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/10/15 15:27	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/10/15 15:27	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/10/15 15:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/10/15 15:27	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/10/15 15:27	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/10/15 15:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/10/15 15:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/10/15 15:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/10/15 15:27	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/10/15 15:27	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/10/15 15:27	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/10/15 15:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/10/15 15:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/10/15 15:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/10/15 15:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/10/15 15:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/10/15 15:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/10/15 15:27	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/10/15 15:27	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/10/15 15:27	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/10/15 15:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/10/15 15:27	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/10/15 15:27	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		12/10/15 15:27	2037-26-5	

Sample: LCS-4B **Lab ID: 50133416016** Collected: 12/03/15 08:15 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field Temperature	**48**	deg C		1		12/03/15 08:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**9370**	mg/L	250	1000		12/09/15 19:35	16887-00-6	
Fluoride	ND	mg/L	1.0	10		12/09/15 19:01	16984-48-8	D3
Sulfate	**521**	mg/L	25.0	100		12/09/15 19:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-4B **Lab ID: 50133416016** Collected: 12/03/15 08:15 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.50	10	12/07/15 14:45	12/11/15 01:23	309-00-2	D3
alpha-BHC	ND	ug/L	2.5	50	12/07/15 14:45	12/11/15 01:36	319-84-6	D3
beta-BHC	ND	ug/L	2.5	50	12/07/15 14:45	12/11/15 01:36	319-85-7	
delta-BHC	ND	ug/L	2.5	50	12/07/15 14:45	12/11/15 01:36	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	2.5	50	12/07/15 14:45	12/11/15 01:36	58-89-9	
Chlordane (Technical)	ND	ug/L	5.0	10	12/07/15 14:45	12/11/15 01:23	57-74-9	
alpha-Chlordane	ND	ug/L	5.0	10	12/07/15 14:45	12/11/15 01:23	5103-71-9	
gamma-Chlordane	ND	ug/L	5.0	10	12/07/15 14:45	12/11/15 01:23	5103-74-2	
4,4'-DDD	ND	ug/L	1.0	10	12/07/15 14:45	12/11/15 01:23	72-54-8	
4,4'-DDE	ND	ug/L	1.0	10	12/07/15 14:45	12/11/15 01:23	72-55-9	
4,4'-DDT	ND	ug/L	5.0	50	12/07/15 14:45	12/11/15 01:36	50-29-3	
Dieldrin	ND	ug/L	1.0	10	12/07/15 14:45	12/11/15 01:23	60-57-1	
Endosulfan I	ND	ug/L	0.50	10	12/07/15 14:45	12/11/15 01:23	959-98-8	
Endosulfan II	ND	ug/L	1.0	10	12/07/15 14:45	12/11/15 01:23	33213-65-9	
Endosulfan sulfate	ND	ug/L	1.0	10	12/07/15 14:45	12/11/15 01:23	1031-07-8	
Endrin	ND	ug/L	1.0	10	12/07/15 14:45	12/11/15 01:23	72-20-8	
Endrin aldehyde	ND	ug/L	1.0	10	12/07/15 14:45	12/11/15 01:23	7421-93-4	
Heptachlor	ND	ug/L	2.5	50	12/07/15 14:45	12/11/15 01:36	76-44-8	
Heptachlor epoxide	ND	ug/L	0.50	10	12/07/15 14:45	12/11/15 01:23	1024-57-3	
Methoxychlor	ND	ug/L	5.0	10	12/07/15 14:45	12/11/15 01:23	72-43-5	
Toxaphene	ND	ug/L	10.0	10	12/07/15 14:45	12/11/15 01:23	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	48	%.	10-128	10	12/07/15 14:45	12/11/15 01:23	2051-24-3	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 14:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/07/15 14:45	12/08/15 14:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**7.4**	ug/L	0.10	1	12/07/15 14:45	12/08/15 14:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 14:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 14:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 14:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 14:31	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	49	%.	32-115	1	12/07/15 14:45	12/08/15 14:31	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	100	10	12/09/15 09:25	12/11/15 04:53	94-75-7	
2,4,5-T	ND	ug/L	100	10	12/09/15 09:25	12/11/15 04:53	93-76-5	D3,P1
2,4,5-TP (Silvex)	ND	ug/L	100	10	12/09/15 09:25	12/11/15 04:53	93-72-1	
Surrogates								
2,4-DCAA (S)	0	%.	24-210	10	12/09/15 09:25	12/11/15 04:53	19719-28-9	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**6980**	ug/L	50.0	1	12/11/15 16:27	12/15/15 16:03	7440-39-3	
Boron	**34500**	ug/L	500	1	12/11/15 16:27	12/15/15 16:03	7440-42-8	
Calcium	**5530000**	ug/L	25000	10	12/11/15 16:27	12/15/15 12:57	7440-70-2	
Cobalt	ND	ug/L	25.0	1	12/11/15 16:27	12/15/15 16:03	7440-48-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-4B **Lab ID: 50133416016** Collected: 12/03/15 08:15 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Iron	**1050000**	ug/L	250	1	12/11/15 16:27	12/15/15 16:03	7439-89-6	
Magnesium	**764000**	ug/L	2500	1	12/11/15 16:27	12/15/15 16:03	7439-95-4	
Manganese	**57100**	ug/L	25.0	1	12/11/15 16:27	12/15/15 16:03	7439-96-5	
Nickel	**147**	ug/L	50.0	1	12/11/15 16:27	12/15/15 16:03	7440-02-0	
Sodium	**3560000**	ug/L	50000	10	12/11/15 16:27	12/15/15 12:57	7440-23-5	
Tin	ND	ug/L	50.0	1	12/11/15 16:27	12/15/15 16:03	7440-31-5	
Total Hardness by 2340B	**17000000**	ug/L	50000	10	12/11/15 16:27	12/15/15 12:57		
Zinc	**874**	ug/L	100	1	12/11/15 16:27	12/15/15 16:03	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:23	7440-36-0	
Arsenic	**314**	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:23	7440-38-2	
Beryllium	ND	ug/L	10.0	1	01/15/16 09:00	01/18/16 15:23	7440-41-7	
Cadmium	ND	ug/L	1.0	1	01/15/16 09:00	01/18/16 15:23	7440-43-9	
Chromium	**1020**	ug/L	250	10	01/15/16 09:00	01/18/16 15:05	7440-47-3	
Copper	ND	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:23	7440-50-8	
Lead	**37.9**	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:23	7439-92-1	
Selenium	ND	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:23	7782-49-2	
Silver	ND	ug/L	25.0	1	01/15/16 09:00	01/18/16 15:23	7440-22-4	
Thallium	ND	ug/L	10.0	1	01/15/16 09:00	01/18/16 15:23	7440-28-0	
Vanadium	ND	ug/L	50.0	1	01/15/16 09:00	01/18/16 15:23	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	1.2	1	12/12/15 19:41	12/14/15 11:37	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	83-32-9	
Acenaphthylene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	208-96-8	
Acetophenone	**394**	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	98-86-2	
2-Acetylaminofluorene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	53-96-3	
4-Aminobiphenyl	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	92-67-1	
Anthracene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	207-08-9	
Benzyl alcohol	**6080**	ug/L	2000	200	12/07/15 09:20	12/18/15 13:17	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	101-55-3	
Butylbenzylphthalate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	59-50-7	
4-Chloroaniline	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	106-47-8	
Chlorobenzilate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	111-44-4	1d
bis(2-Chloroisopropyl) ether	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	108-60-1	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-4B **Lab ID: 50133416016** Collected: 12/03/15 08:15 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Chloronaphthalene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	91-58-7	
2-Chlorophenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	7005-72-3	
Chrysene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	218-01-9	
Diallate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	53-70-3	
Dibenzofuran	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	400	20	12/07/15 09:20	12/17/15 18:43	91-94-1	
2,4-Dichlorophenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	120-83-2	
2,6-Dichlorophenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	87-65-0	
Diethylphthalate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	84-66-2	
Dimethoate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	400	20	12/07/15 09:20	12/17/15 18:43	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	400	20	12/07/15 09:20	12/17/15 18:43	119-93-7	
2,4-Dimethylphenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	105-67-9	
Dimethylphthalate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	131-11-3	
Di-n-butylphthalate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	99-65-0	
2,4-Dinitrophenol	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	606-20-2	
Di-n-octylphthalate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	117-84-0	
Dinoseb	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	88-85-7	
Diphenylamine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	122-39-4	
Disulfoton	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	117-81-7	
Ethyl methanesulfonate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	62-50-0	
Famphur	ND	ug/L	4000	20	12/07/15 09:20	12/17/15 18:43	52-85-7	
Fluoranthene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	206-44-0	
Fluorene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	87-68-3	
Hexachlorobenzene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	77-47-4	
Hexachloroethane	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	67-72-1	
Hexachloropropene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	193-39-5	
Isodrin	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	465-73-6	
Isophorone	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	78-59-1	
Isosafrole	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	120-58-1	
Kepone	ND	ug/L	4000	20	12/07/15 09:20	12/17/15 18:43	143-50-0	
Methapyrilene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	91-80-5	
3-Methylcholanthrene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	56-49-5	
Methyl methanesulfonate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	66-27-3	
2-Methylnaphthalene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	91-57-6	
Methyl parathion	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	298-00-0	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-4B **Lab ID: 50133416016** Collected: 12/03/15 08:15 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Methylphenol(o-Cresol)	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	**6550**	ug/L	2000	200	12/07/15 09:20	12/18/15 13:17		
1-Naphthalenamine	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	134-32-7	
2-Naphthalenamine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	91-59-8	
Naphthalene	**288**	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	91-20-3	
1,4-Naphthoquinone	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	130-15-4	
2-Nitroaniline	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	88-74-4	
3-Nitroaniline	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	99-09-2	
4-Nitroaniline	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	100-01-6	
Nitrobenzene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	98-95-3	
2-Nitrophenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	88-75-5	
4-Nitrophenol	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	56-38-2	
Pentachlorobenzene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	608-93-5	
Pentachloronitrobenzene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	82-68-8	
Pentachlorophenol	ND	ug/L	1000	20	12/07/15 09:20	12/17/15 18:43	87-86-5	
Phenacetin	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	62-44-2	
Phenanthrene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	85-01-8	
Phenol	**17400**	ug/L	2000	200	12/07/15 09:20	12/18/15 13:17	108-95-2	
p-Phenylenediamine	ND	ug/L	400	20	12/07/15 09:20	12/17/15 18:43	106-50-3	
Phorate	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	298-02-2	
Pronamide	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	23950-58-5	
Pyrene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	129-00-0	
Safrole	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	58-90-2	
Thionazin	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	297-97-2	
O-Toluidine	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	200	20	12/07/15 09:20	12/17/15 18:43	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	400	20	12/07/15 09:20	12/17/15 18:43	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	1640	%.	38-124	20	12/07/15 09:20	12/17/15 18:43	4165-60-0	S4
2-Fluorobiphenyl (S)	69	%.	33-114	20	12/07/15 09:20	12/17/15 18:43	321-60-8	
p-Terphenyl-d14 (S)	33	%.	10-113	20	12/07/15 09:20	12/17/15 18:43	1718-51-0	
Phenol-d5 (S)	691	%.	10-58	20	12/07/15 09:20	12/17/15 18:43	4165-62-2	S4

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-4B **Lab ID: 50133416016** Collected: 12/03/15 08:15 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Surrogates								
2-Fluorophenol (S)	744	%.	11-79	20	12/07/15 09:20	12/17/15 18:43	367-12-4	S4
2,4,6-Tribromophenol (S)	316	%.	29-158	20	12/07/15 09:20	12/17/15 18:43	118-79-6	S4
8260 MSV	Analytical Method: EPA 8260							
Acetone	**139000**	ug/L	5000	500		12/11/15 11:13	67-64-1	
Acetonitrile	ND	ug/L	5000	50		12/10/15 15:53	75-05-8	
Acrolein	ND	ug/L	2500	50		12/10/15 15:53	107-02-8	
Acrylonitrile	ND	ug/L	5000	50		12/10/15 15:53	107-13-1	
Allyl chloride	ND	ug/L	250	50		12/10/15 15:53	107-05-1	N2
Benzene	**947**	ug/L	250	50		12/10/15 15:53	71-43-2	
Bromochloromethane	ND	ug/L	250	50		12/10/15 15:53	74-97-5	
Bromodichloromethane	ND	ug/L	250	50		12/10/15 15:53	75-27-4	
Bromoform	ND	ug/L	250	50		12/10/15 15:53	75-25-2	
Bromomethane	ND	ug/L	500	50		12/10/15 15:53	74-83-9	
2-Butanone (MEK)	**76100**	ug/L	5000	500		12/11/15 11:13	78-93-3	
Carbon disulfide	ND	ug/L	500	50		12/10/15 15:53	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		12/10/15 15:53	56-23-5	
Chlorobenzene	ND	ug/L	250	50		12/10/15 15:53	108-90-7	
Chloroethane	ND	ug/L	500	50		12/10/15 15:53	75-00-3	
Chloroform	ND	ug/L	250	50		12/10/15 15:53	67-66-3	
Chloromethane	ND	ug/L	500	50		12/10/15 15:53	74-87-3	
Chloroprene	ND	ug/L	5000	50		12/10/15 15:53	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	250	50		12/10/15 15:53	96-12-8	
Dibromochloromethane	ND	ug/L	250	50		12/10/15 15:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		12/10/15 15:53	106-93-4	
Dibromomethane	ND	ug/L	500	50		12/10/15 15:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	250	50		12/10/15 15:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		12/10/15 15:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		12/10/15 15:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	500	50		12/10/15 15:53	110-57-6	
Dichlorodifluoromethane	ND	ug/L	250	50		12/10/15 15:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		12/10/15 15:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		12/10/15 15:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		12/10/15 15:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	250	50		12/10/15 15:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	250	50		12/10/15 15:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		12/10/15 15:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	250	50		12/10/15 15:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	250	50		12/10/15 15:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	250	50		12/10/15 15:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	250	50		12/10/15 15:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		12/10/15 15:53	10061-02-6	
Ethylbenzene	ND	ug/L	250	50		12/10/15 15:53	100-41-4	
Ethyl methacrylate	ND	ug/L	5000	50		12/10/15 15:53	97-63-2	
2-Hexanone	ND	ug/L	500	50		12/10/15 15:53	591-78-6	
Iodomethane	ND	ug/L	250	50		12/10/15 15:53	74-88-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-4B **Lab ID: 50133416016** Collected: 12/03/15 08:15 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Isobutanol	ND	ug/L	5000	50		12/10/15 15:53	78-83-1	N2
Methacrylonitrile	ND	ug/L	5000	50		12/10/15 15:53	126-98-7	N2
Methylene Chloride	ND	ug/L	250	50		12/10/15 15:53	75-09-2	
Methyl methacrylate	ND	ug/L	5000	50		12/10/15 15:53	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	**640**	ug/L	500	50		12/10/15 15:53	108-10-1	
Propionitrile	ND	ug/L	5000	50		12/10/15 15:53	107-12-0	N2
Styrene	ND	ug/L	250	50		12/10/15 15:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	250	50		12/10/15 15:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		12/10/15 15:53	79-34-5	
Tetrachloroethene	ND	ug/L	250	50		12/10/15 15:53	127-18-4	
Toluene	ND	ug/L	250	50		12/10/15 15:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	250	50		12/10/15 15:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		12/10/15 15:53	79-00-5	
Trichloroethene	ND	ug/L	250	50		12/10/15 15:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	50		12/10/15 15:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	250	50		12/10/15 15:53	96-18-4	
Vinyl acetate	ND	ug/L	500	50		12/10/15 15:53	108-05-4	
Vinyl chloride	ND	ug/L	100	50		12/10/15 15:53	75-01-4	
Xylene (Total)	ND	ug/L	250	50		12/10/15 15:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	50		12/10/15 15:53	1868-53-7	D4
4-Bromofluorobenzene (S)	100	%.	80-114	50		12/10/15 15:53	460-00-4	
Toluene-d8 (S)	99	%.	81-110	50		12/10/15 15:53	2037-26-5	
2510B Specific Conductance	Analytical Method: SM 2510B							
Specific Conductance	**34600**	umhos/cm	1.0	1		12/09/15 14:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**55400**	mg/L	100	1		12/04/15 13:14		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**69800**	mg/L	500	1	12/08/15 08:52	12/08/15 14:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**5.0**	Std. Units	0.10	1		12/04/15 12:36		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	10.0	10		12/04/15 12:17		D3
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	5.0	50		12/11/15 15:46		D3
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**1.8**	mg/L	0.50	1	12/15/15 14:00	12/16/15 11:12	7723-14-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: LCS-4B **Lab ID: 50133416016** Collected: 12/03/15 08:15 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water, Distilled	Analytical Method: SM 4500-NH3 G Preparation Method: SM 4500-NH3 B							
Nitrogen, Ammonia	**762**	mg/L	60.0	10	12/15/15 09:40	12/15/15 11:32	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**23600**	mg/L	2000	2000		12/11/15 11:15	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.010	1	12/10/15 12:10	12/10/15 19:14	57-12-5	

Sample: PZ-212-SD **Lab ID: 50133416017** Collected: 12/03/15 10:00 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.51**	Std. Units		1		12/03/15 10:00		
Field Temperature	**13.5**	deg C		1		12/03/15 10:00		
Field Specific Conductance	**1140**	umhos/cm		1		12/03/15 10:00		
Field Turbidity	**6.34**	NTU		1		12/03/15 10:00		
Total Well Depth	**92.62**	feet		1		12/03/15 10:00		
Elevation Water Level	**468.14**	ft/msl		1		12/03/15 10:00		
Collar Elevation	**482.72**	ft/msl		1		12/03/15 10:00		
Depth to Water	**14.58**	feet		1		12/03/15 10:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**170**	mg/L	25.0	100		12/11/15 13:55	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	1		12/09/15 19:52	16984-48-8	
Sulfate	**104**	mg/L	2.5	10		12/09/15 20:09	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:01	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:01	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:01	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:01	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:01	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:01	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:01	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:01	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:01	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:01	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:01	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:01	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:01	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:01	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:01	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:01	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:01	7421-93-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SD **Lab ID: 50133416017** Collected: 12/03/15 10:00 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Heptachlor	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:01	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:01	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:01	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/07/15 14:45	12/10/15 22:01	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	26	%.	10-128	1	12/07/15 14:45	12/10/15 22:01	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:18	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/07/15 14:45	12/08/15 22:18	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:18	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:18	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:18	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:18	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:18	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	70	%.	32-115	1	12/07/15 14:45	12/08/15 22:18	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.0	1	12/09/15 09:25	12/10/15 21:14	94-75-7	
2,4,5-T	ND	ug/L	1.0	1	12/09/15 09:25	12/10/15 21:14	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	12/09/15 09:25	12/10/15 21:14	93-72-1	
Surrogates								
2,4-DCAA (S)	107	%.	24-210	1	12/09/15 09:25	12/10/15 21:14	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**180**	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:48	7440-39-3	
Boron	ND	ug/L	100	1	12/11/15 16:27	12/15/15 12:48	7440-42-8	
Calcium	**125000**	ug/L	500	1	12/11/15 16:27	12/15/15 12:48	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/11/15 16:27	12/15/15 12:48	7440-48-4	
Iron	**931**	ug/L	50.0	1	12/11/15 16:27	12/15/15 12:48	7439-89-6	
Magnesium	**52800**	ug/L	500	1	12/11/15 16:27	12/15/15 12:48	7439-95-4	
Manganese	**478**	ug/L	5.0	1	12/11/15 16:27	12/15/15 12:48	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:48	7440-02-0	
Sodium	**72200**	ug/L	1000	1	12/11/15 16:27	12/15/15 12:48	7440-23-5	
Tin	ND	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:48	7440-31-5	
Total Hardness by 2340B	**530000**	ug/L	1000	1	12/11/15 16:27	12/15/15 12:48		
Zinc	ND	ug/L	20.0	1	12/11/15 16:27	12/15/15 12:48	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:20	7440-36-0	
Arsenic	**5.8**	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:20	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:20	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 23:20	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:20	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:20	7440-50-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SD **Lab ID: 50133416017** Collected: 12/03/15 10:00 Received: 12/04/15 08:20 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							
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:20	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:20	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:20	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:20	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 23:20	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:39	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	218-01-9	
Diallate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:01	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:01	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:01	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	105-67-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SD **Lab ID: 50133416017** Collected: 12/03/15 10:00 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Dimethylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	62-50-0	
Famphur	ND	ug/L	200	1	12/07/15 09:20	12/09/15 20:01	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	120-58-1	
Kepone	ND	ug/L	200	1	12/07/15 09:20	12/09/15 20:01	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	**45.3**	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01		
1-Naphthalenamine	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	924-16-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SD **Lab ID: 50133416017** Collected: 12/03/15 10:00 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:01	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	85-01-8	
Phenol	**25.7**	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:01	106-50-3	
Phorate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	129-00-0	
Safrole	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:01	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:01	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	79	%.	38-124	1	12/07/15 09:20	12/09/15 20:01	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	33-114	1	12/07/15 09:20	12/09/15 20:01	321-60-8	
p-Terphenyl-d14 (S)	47	%.	10-113	1	12/07/15 09:20	12/09/15 20:01	1718-51-0	
Phenol-d5 (S)	24	%.	10-58	1	12/07/15 09:20	12/09/15 20:01	4165-62-2	
2-Fluorophenol (S)	30	%.	11-79	1	12/07/15 09:20	12/09/15 20:01	367-12-4	
2,4,6-Tribromophenol (S)	52	%.	29-158	1	12/07/15 09:20	12/09/15 20:01	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/11/15 03:23	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/11/15 03:23	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/11/15 03:23	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/11/15 03:23	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/11/15 03:23	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/11/15 03:23	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/11/15 03:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/11/15 03:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/11/15 03:23	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/11/15 03:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/11/15 03:23	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/11/15 03:23	109-69-3	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SD **Lab ID: 50133416017** Collected: 12/03/15 10:00 Received: 12/04/15 08:20 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		12/11/15 03:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/11/15 03:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/11/15 03:23	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/11/15 03:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/11/15 03:23	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/11/15 03:23	74-87-3	
Chloroprene	ND	ug/L	100	1		12/11/15 03:23	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/11/15 03:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/11/15 03:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/11/15 03:23	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/11/15 03:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 03:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 03:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 03:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/11/15 03:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/11/15 03:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/11/15 03:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/11/15 03:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/11/15 03:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/11/15 03:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/11/15 03:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/11/15 03:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/11/15 03:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/11/15 03:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/11/15 03:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/11/15 03:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/11/15 03:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/11/15 03:23	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/11/15 03:23	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/11/15 03:23	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/11/15 03:23	74-88-4	
Isobutanol	ND	ug/L	100	1		12/11/15 03:23	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/11/15 03:23	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/11/15 03:23	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/11/15 03:23	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/11/15 03:23	108-10-1	
Propionitrile	ND	ug/L	100	1		12/11/15 03:23	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/11/15 03:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/11/15 03:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/11/15 03:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/11/15 03:23	127-18-4	
Toluene	ND	ug/L	5.0	1		12/11/15 03:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/11/15 03:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/11/15 03:23	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/11/15 03:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/11/15 03:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/11/15 03:23	96-18-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SD **Lab ID: 50133416017** Collected: 12/03/15 10:00 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Vinyl acetate	ND	ug/L	10.0	1		12/11/15 03:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/11/15 03:23	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/11/15 03:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/11/15 03:23	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/11/15 03:23	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		12/11/15 03:23	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**811**	mg/L	10.0	1		12/04/15 13:14		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/04/15 12:18		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:49		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**1.7**	mg/L	0.25	5	12/15/15 14:00	12/16/15 11:49	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	**0.12**	mg/L	0.10	1		12/08/15 09:40	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	2.0	2		12/11/15 11:15	7440-44-0	D3
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 19:14	57-12-5	

Sample: PZ-212-SS **Lab ID: 50133416018** Collected: 12/03/15 11:30 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.39**	Std. Units		1		12/03/15 11:30		
Field Temperature	**13.8**	deg C		1		12/03/15 11:30		
Field Specific Conductance	**810**	umhos/cm		1		12/03/15 11:30		
Field Turbidity	**74.27**	NTU		1		12/03/15 11:30		
Total Well Depth	**93.88**	feet		1		12/03/15 11:30		
Elevation Water Level	**472.11**	ft/msl		1		12/03/15 11:30		
Collar Elevation	**482.79**	ft/msl		1		12/03/15 11:30		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SS **Lab ID: 50133416018** Collected: 12/03/15 11:30 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Depth to Water	**10.68**	feet		1		12/03/15 11:30		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**12.4**	mg/L	2.5	10		12/09/15 20:43	16887-00-6	
Fluoride	**0.49**	mg/L	0.10	1		12/09/15 20:26	16984-48-8	
Sulfate	**138**	mg/L	2.5	10		12/09/15 20:43	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:14	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:14	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:14	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:14	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:14	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:14	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:14	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:14	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:14	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:14	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:14	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:14	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:14	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:14	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:14	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:14	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:14	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:14	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:14	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:14	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/07/15 14:45	12/10/15 22:14	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	19	%.	10-128	1	12/07/15 14:45	12/10/15 22:14	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:38	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/07/15 14:45	12/08/15 22:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:38	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:38	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:38	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:38	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	66	%.	32-115	1	12/07/15 14:45	12/08/15 22:38	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	1.0	1	12/09/15 09:25	12/10/15 21:45	94-75-7	
2,4,5-T	ND	ug/L	1.0	1	12/09/15 09:25	12/10/15 21:45	93-76-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SS **Lab ID: 50133416018** Collected: 12/03/15 11:30 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4,5-TP (Silvex)	ND	ug/L	1.0	1	12/09/15 09:25	12/10/15 21:45	93-72-1	
Surrogates								
2,4-DCAA (S)	103	%.	24-210	1	12/09/15 09:25	12/10/15 21:45	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**141**	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:51	7440-39-3	
Boron	ND	ug/L	100	1	12/11/15 16:27	12/15/15 12:51	7440-42-8	
Calcium	**115000**	ug/L	500	1	12/11/15 16:27	12/15/15 12:51	7440-70-2	
Cobalt	**5.8**	ug/L	5.0	1	12/11/15 16:27	12/15/15 12:51	7440-48-4	
Iron	**4610**	ug/L	50.0	1	12/11/15 16:27	12/15/15 12:51	7439-89-6	
Magnesium	**32700**	ug/L	500	1	12/11/15 16:27	12/15/15 12:51	7439-95-4	
Manganese	**1160**	ug/L	5.0	1	12/11/15 16:27	12/15/15 12:51	7439-96-5	
Nickel	**14.1**	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:51	7440-02-0	
Sodium	**52800**	ug/L	1000	1	12/11/15 16:27	12/15/15 12:51	7440-23-5	
Tin	ND	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:51	7440-31-5	
Total Hardness by 2340B	**421000**	ug/L	1000	1	12/11/15 16:27	12/15/15 12:51		
Zinc	**25.2**	ug/L	20.0	1	12/11/15 16:27	12/15/15 12:51	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:24	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:24	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:24	7440-41-7	
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 23:24	7440-43-9	
Chromium	**5.4**	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:24	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:24	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:24	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:24	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:24	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:24	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 23:24	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:45	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	207-08-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SS **Lab ID: 50133416018** Collected: 12/03/15 11:30 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	218-01-9	
Diallate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:21	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:21	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:21	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	62-50-0	
Famphur	ND	ug/L	200	1	12/07/15 09:20	12/09/15 20:21	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	193-39-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SS **Lab ID: 50133416018** Collected: 12/03/15 11:30 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Isodrin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	120-58-1	
Kepone	ND	ug/L	200	1	12/07/15 09:20	12/09/15 20:21	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21		
1-Naphthalenamine	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:21	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	85-01-8	
Phenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:21	106-50-3	
Phorate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	129-00-0	
Safrole	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	95-53-4	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SS **Lab ID: 50133416018** Collected: 12/03/15 11:30 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:21	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:21	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	93	%.	38-124	1	12/07/15 09:20	12/09/15 20:21	4165-60-0	
2-Fluorobiphenyl (S)	89	%.	33-114	1	12/07/15 09:20	12/09/15 20:21	321-60-8	
p-Terphenyl-d14 (S)	51	%.	10-113	1	12/07/15 09:20	12/09/15 20:21	1718-51-0	
Phenol-d5 (S)	32	%.	10-58	1	12/07/15 09:20	12/09/15 20:21	4165-62-2	
2-Fluorophenol (S)	48	%.	11-79	1	12/07/15 09:20	12/09/15 20:21	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	29-158	1	12/07/15 09:20	12/09/15 20:21	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/11/15 03:48	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/11/15 03:48	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/11/15 03:48	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/11/15 03:48	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/11/15 03:48	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/11/15 03:48	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/11/15 03:48	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/11/15 03:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/11/15 03:48	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/11/15 03:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/11/15 03:48	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/11/15 03:48	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/11/15 03:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/11/15 03:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/11/15 03:48	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/11/15 03:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/11/15 03:48	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/11/15 03:48	74-87-3	
Chloroprene	ND	ug/L	100	1		12/11/15 03:48	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/11/15 03:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/11/15 03:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/11/15 03:48	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/11/15 03:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 03:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 03:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 03:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/11/15 03:48	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/11/15 03:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/11/15 03:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/11/15 03:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/11/15 03:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/11/15 03:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/11/15 03:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/11/15 03:48	78-87-5	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SS **Lab ID: 50133416018** Collected: 12/03/15 11:30 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,3-Dichloropropane	ND	ug/L	5.0	1		12/11/15 03:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/11/15 03:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/11/15 03:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/11/15 03:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/11/15 03:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/11/15 03:48	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/11/15 03:48	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/11/15 03:48	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/11/15 03:48	74-88-4	
Isobutanol	ND	ug/L	100	1		12/11/15 03:48	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/11/15 03:48	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/11/15 03:48	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/11/15 03:48	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/11/15 03:48	108-10-1	
Propionitrile	ND	ug/L	100	1		12/11/15 03:48	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/11/15 03:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/11/15 03:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/11/15 03:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/11/15 03:48	127-18-4	
Toluene	ND	ug/L	5.0	1		12/11/15 03:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/11/15 03:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/11/15 03:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/11/15 03:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/11/15 03:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/11/15 03:48	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/11/15 03:48	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/11/15 03:48	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/11/15 03:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/11/15 03:48	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/11/15 03:48	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		12/11/15 03:48	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**572**	mg/L	10.0	1		12/04/15 13:15		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/04/15 12:18		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		12/11/15 15:50		

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-212-SS **Lab ID: 50133416018** Collected: 12/03/15 11:30 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	**0.10**	mg/L	0.050	1	12/15/15 14:00	12/16/15 11:13	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/08/15 09:24	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	2.0	2		12/11/15 11:15	7440-44-0	D3
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 19:16	57-12-5	

Sample: PZ-205-SS **Lab ID: 50133416019** Collected: 12/03/15 14:10 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Field pH	**7.26**	Std. Units		1		12/03/15 14:10		
Field Temperature	**17.8**	deg C		1		12/03/15 14:10		
Field Specific Conductance	**762**	umhos/cm		1		12/03/15 14:10		
Field Turbidity	**2.89**	NTU		1		12/03/15 14:10		
Total Well Depth	**92.94**	feet		1		12/03/15 14:10		
Elevation Water Level	**435.66**	ft/msl		1		12/03/15 14:10		
Collar Elevation	**465.83**	ft/msl		1		12/03/15 14:10		
Depth to Water	**30.17**	feet		1		12/03/15 14:10		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**32.0**	mg/L	2.5	10		12/09/15 21:51	16887-00-6	
Fluoride	**0.37**	mg/L	0.10	1		12/09/15 21:34	16984-48-8	
Sulfate	**53.4**	mg/L	2.5	10		12/09/15 21:51	14808-79-8	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:26	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:26	319-84-6	
beta-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:26	319-85-7	
delta-BHC	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:26	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:26	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:26	57-74-9	
alpha-Chlordane	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:26	5103-71-9	
gamma-Chlordane	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:26	5103-74-2	
4,4'-DDD	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:26	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:26	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:26	50-29-3	
Dieldrin	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:26	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:26	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:26	33213-65-9	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-205-SS **Lab ID: 50133416019** Collected: 12/03/15 14:10 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Endosulfan sulfate	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:26	1031-07-8	
Endrin	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:26	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	1	12/07/15 14:45	12/10/15 22:26	7421-93-4	
Heptachlor	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:26	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	12/07/15 14:45	12/10/15 22:26	1024-57-3	
Methoxychlor	ND	ug/L	0.50	1	12/07/15 14:45	12/10/15 22:26	72-43-5	
Toxaphene	ND	ug/L	1.0	1	12/07/15 14:45	12/10/15 22:26	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	33	%.	10-128	1	12/07/15 14:45	12/10/15 22:26	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:58	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.20	1	12/07/15 14:45	12/08/15 22:58	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:58	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:58	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:58	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:58	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	12/07/15 14:45	12/08/15 22:58	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	73	%.	32-115	1	12/07/15 14:45	12/08/15 22:58	877-09-8	
8151A Cl Acid Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.99	1	12/09/15 09:25	12/10/15 22:15	94-75-7	
2,4,5-T	ND	ug/L	0.99	1	12/09/15 09:25	12/10/15 22:15	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.99	1	12/09/15 09:25	12/10/15 22:15	93-72-1	
Surrogates								
2,4-DCAA (S)	259	%.	24-210	1	12/09/15 09:25	12/10/15 22:15	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**120**	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:54	7440-39-3	
Boron	ND	ug/L	100	1	12/11/15 16:27	12/15/15 12:54	7440-42-8	
Calcium	**80800**	ug/L	500	1	12/11/15 16:27	12/15/15 12:54	7440-70-2	
Cobalt	ND	ug/L	5.0	1	12/11/15 16:27	12/15/15 12:54	7440-48-4	
Iron	**59.4**	ug/L	50.0	1	12/11/15 16:27	12/15/15 12:54	7439-89-6	
Magnesium	**54200**	ug/L	500	1	12/11/15 16:27	12/15/15 12:54	7439-95-4	
Manganese	ND	ug/L	5.0	1	12/11/15 16:27	12/15/15 12:54	7439-96-5	
Nickel	ND	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:54	7440-02-0	
Sodium	**14700**	ug/L	1000	1	12/11/15 16:27	12/15/15 12:54	7440-23-5	
Tin	ND	ug/L	10.0	1	12/11/15 16:27	12/15/15 12:54	7440-31-5	
Total Hardness by 2340B	**425000**	ug/L	1000	1	12/11/15 16:27	12/15/15 12:54		
Zinc	ND	ug/L	20.0	1	12/11/15 16:27	12/15/15 12:54	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Antimony	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:29	7440-36-0	
Arsenic	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:29	7440-38-2	
Beryllium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:29	7440-41-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-205-SS **Lab ID: 50133416019** Collected: 12/03/15 14:10 Received: 12/04/15 08:20 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							
Cadmium	ND	ug/L	0.20	1	01/15/16 09:00	01/15/16 23:29	7440-43-9	
Chromium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:29	7440-47-3	
Copper	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:29	7440-50-8	
Lead	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:29	7439-92-1	
Selenium	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:29	7782-49-2	
Silver	ND	ug/L	5.0	1	01/15/16 09:00	01/15/16 23:29	7440-22-4	
Thallium	ND	ug/L	2.0	1	01/15/16 09:00	01/15/16 23:29	7440-28-0	
Vanadium	ND	ug/L	10.0	1	01/15/16 09:00	01/15/16 23:29	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/12/15 19:41	12/14/15 11:47	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	208-96-8	
Acetophenone	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	98-86-2	
2-Acetylaminofluorene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	92-67-1	
Anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	207-08-9	
Benzyl alcohol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	218-01-9	
Diallate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:40	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	87-65-0	
Diethylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	84-66-2	
Dimethoate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	60-11-7	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-205-SS **Lab ID: 50133416019** Collected: 12/03/15 14:10 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
7,12-Dimethylbenz(a)anthracene	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:40	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:40	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	117-84-0	
Dinoseb	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	88-85-7	
Diphenylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	122-39-4	
Disulfoton	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	117-81-7	
Ethyl methanesulfonate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	62-50-0	
Famphur	ND	ug/L	200	1	12/07/15 09:20	12/09/15 20:40	52-85-7	
Fluoranthene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	67-72-1	
Hexachloropropene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	193-39-5	
Isodrin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	465-73-6	
Isophorone	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	78-59-1	
Isosafrole	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	120-58-1	
Kepone	ND	ug/L	200	1	12/07/15 09:20	12/09/15 20:40	143-50-0	
Methapyrilene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	56-49-5	
Methyl methanesulfonate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	91-57-6	
Methyl parathion	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40		
1-Naphthalenamine	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	134-32-7	
2-Naphthalenamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	91-59-8	
Naphthalene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	91-20-3	
1,4-Naphthoquinone	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	99-55-8	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-205-SS **Lab ID: 50133416019** Collected: 12/03/15 14:10 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
N-Nitrosodiethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	608-93-5	
Pentachloronitrobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	82-68-8	
Pentachlorophenol	ND	ug/L	50.0	1	12/07/15 09:20	12/09/15 20:40	87-86-5	
Phenacetin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	62-44-2	
Phenanthrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	85-01-8	
Phenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	108-95-2	
p-Phenylenediamine	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:40	106-50-3	
Phorate	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	298-02-2	
Pronamide	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	23950-58-5	
Pyrene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	129-00-0	
Safrole	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	58-90-2	
Thionazin	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	297-97-2	
O-Toluidine	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	95-53-4	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/07/15 09:20	12/09/15 20:40	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	20.0	1	12/07/15 09:20	12/09/15 20:40	99-35-4	
Surrogates								
Nitrobenzene-d5 (S)	72	%.	38-124	1	12/07/15 09:20	12/09/15 20:40	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	33-114	1	12/07/15 09:20	12/09/15 20:40	321-60-8	
p-Terphenyl-d14 (S)	59	%.	10-113	1	12/07/15 09:20	12/09/15 20:40	1718-51-0	
Phenol-d5 (S)	28	%.	10-58	1	12/07/15 09:20	12/09/15 20:40	4165-62-2	
2-Fluorophenol (S)	43	%.	11-79	1	12/07/15 09:20	12/09/15 20:40	367-12-4	
2,4,6-Tribromophenol (S)	75	%.	29-158	1	12/07/15 09:20	12/09/15 20:40	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		12/11/15 04:14	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/11/15 04:14	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/11/15 04:14	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/11/15 04:14	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/11/15 04:14	107-05-1	N2
Benzene	ND	ug/L	5.0	1		12/11/15 04:14	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/11/15 04:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/11/15 04:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/11/15 04:14	75-25-2	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-205-SS **Lab ID: 50133416019** Collected: 12/03/15 14:10 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Bromomethane	ND	ug/L	10.0	1		12/11/15 04:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/11/15 04:14	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		12/11/15 04:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/11/15 04:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/11/15 04:14	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/11/15 04:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/11/15 04:14	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/11/15 04:14	74-87-3	
Chloroprene	ND	ug/L	100	1		12/11/15 04:14	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/11/15 04:14	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/11/15 04:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/11/15 04:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/11/15 04:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 04:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 04:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 04:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/11/15 04:14	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/11/15 04:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/11/15 04:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/11/15 04:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/11/15 04:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/11/15 04:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/11/15 04:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/11/15 04:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/11/15 04:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/11/15 04:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/11/15 04:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/11/15 04:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/11/15 04:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/11/15 04:14	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/11/15 04:14	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/11/15 04:14	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/11/15 04:14	74-88-4	
Isobutanol	ND	ug/L	100	1		12/11/15 04:14	78-83-1	N2
Methacrylonitrile	ND	ug/L	100	1		12/11/15 04:14	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/11/15 04:14	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/11/15 04:14	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/11/15 04:14	108-10-1	
Propionitrile	ND	ug/L	100	1		12/11/15 04:14	107-12-0	N2
Styrene	ND	ug/L	5.0	1		12/11/15 04:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/11/15 04:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/11/15 04:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/11/15 04:14	127-18-4	
Toluene	ND	ug/L	5.0	1		12/11/15 04:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/11/15 04:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/11/15 04:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/11/15 04:14	79-01-6	

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: PZ-205-SS **Lab ID: 50133416019** Collected: 12/03/15 14:10 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichlorofluoromethane	ND	ug/L	10.0	1		12/11/15 04:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/11/15 04:14	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		12/11/15 04:14	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/11/15 04:14	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/11/15 04:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/11/15 04:14	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/11/15 04:14	460-00-4	
Toluene-d8 (S)	96	%.	81-110	1		12/11/15 04:14	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**427**	mg/L	10.0	1		12/04/15 13:15		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	12/08/15 11:00	12/08/15 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D							
Sulfide	ND	mg/L	1.0	1		12/04/15 12:19		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.18**	mg/L	0.10	1		12/11/15 15:51		
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1							
Phosphorus	ND	mg/L	0.050	1	12/15/15 14:00	12/16/15 11:14	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G							
Nitrogen, Ammonia	ND	mg/L	0.10	1		12/08/15 09:25	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.1**	mg/L	1.0	1		12/11/15 11:15	7440-44-0	
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	ND	mg/L	0.0050	1	12/10/15 12:10	12/10/15 19:16	57-12-5	

Sample: TB-10 **Lab ID: 50133416020** Collected: 12/03/15 08:00 Received: 12/04/15 08:20 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		12/11/15 04:39	67-64-1	
Acetonitrile	ND	ug/L	100	1		12/11/15 04:39	75-05-8	
Acrolein	ND	ug/L	50.0	1		12/11/15 04:39	107-02-8	
Acrylonitrile	ND	ug/L	100	1		12/11/15 04:39	107-13-1	
Allyl chloride	ND	ug/L	5.0	1		12/11/15 04:39	107-05-1	N2

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: TB-10 **Lab ID: 50133416020** Collected: 12/03/15 08:00 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/11/15 04:39	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		12/11/15 04:39	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		12/11/15 04:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/11/15 04:39	75-25-2	
Bromomethane	ND	ug/L	10.0	1		12/11/15 04:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/11/15 04:39	78-93-3	
n-Butyl chloride	ND	ug/L	5.0	1		12/11/15 04:39	109-69-3	
Carbon disulfide	ND	ug/L	10.0	1		12/11/15 04:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/11/15 04:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/11/15 04:39	108-90-7	
Chloroethane	ND	ug/L	10.0	1		12/11/15 04:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/11/15 04:39	67-66-3	
Chloromethane	ND	ug/L	10.0	1		12/11/15 04:39	74-87-3	
Chloroprene	ND	ug/L	100	1		12/11/15 04:39	126-99-8	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/11/15 04:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		12/11/15 04:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		12/11/15 04:39	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		12/11/15 04:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 04:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 04:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/11/15 04:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		12/11/15 04:39	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		12/11/15 04:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/11/15 04:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/11/15 04:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/11/15 04:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/11/15 04:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/11/15 04:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/11/15 04:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		12/11/15 04:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/11/15 04:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/11/15 04:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/11/15 04:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/11/15 04:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/11/15 04:39	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/11/15 04:39	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		12/11/15 04:39	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/11/15 04:39	74-88-4	
Isobutanol	ND	ug/L	100	1		12/11/15 04:39	78-83-1	N2
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/11/15 04:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/11/15 04:39	99-87-6	
Methacrylonitrile	ND	ug/L	100	1		12/11/15 04:39	126-98-7	N2
Methylene Chloride	ND	ug/L	5.0	1		12/11/15 04:39	75-09-2	
Methyl methacrylate	ND	ug/L	100	1		12/11/15 04:39	80-62-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/11/15 04:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		12/11/15 04:39	1634-04-4	
Propionitrile	ND	ug/L	100	1		12/11/15 04:39	107-12-0	N2

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ANALYTICAL RESULTS

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

Sample: TB-10 **Lab ID: 50133416020** Collected: 12/03/15 08:00 Received: 12/04/15 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Styrene	ND	ug/L	5.0	1		12/11/15 04:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/11/15 04:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/11/15 04:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/11/15 04:39	127-18-4	
Tetrahydrofuran	ND	ug/L	100	1		12/11/15 04:39	109-99-9	N2
Toluene	ND	ug/L	5.0	1		12/11/15 04:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/11/15 04:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/11/15 04:39	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/11/15 04:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		12/11/15 04:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/11/15 04:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/11/15 04:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/11/15 04:39	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/11/15 04:39	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/11/15 04:39	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		12/11/15 04:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/11/15 04:39	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/11/15 04:39	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		12/11/15 04:39	2037-26-5	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: GCSV/17717 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010

METHOD BLANK: 1437056 — Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	12/04/15 19:36	
Fluoride	mg/L	ND	0.10	12/04/15 19:36	
Sulfate	mg/L	ND	0.25	12/04/15 19:36	

LABORATORY CONTROL SAMPLE: 1437057

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	1.1	91	90-110	
Fluoride	mg/L	.5	0.50	100	90-110	
Sulfate	mg/L	2.5	2.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437058 1437059

Parameter	Units	50133416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.9	1.2	1.2	5.0	5.0	94	90	80-120	1	15	
Fluoride	mg/L	2.4	.5	.5	2.9	2.8	101	98	80-120	0	15	
Sulfate	mg/L	24.1	25	25	48.8	49.3	99	101	80-120	1	15	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: GCSV/17753 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1439415 — Matrix: Water
Associated Lab Samples: 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	12/08/15 12:07	
Fluoride	mg/L	ND	0.10	12/08/15 12:07	
Sulfate	mg/L	ND	0.25	12/08/15 12:07	

LABORATORY CONTROL SAMPLE: 1439416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	1.2	93	90-110	
Fluoride	mg/L	.5	0.49	99	90-110	
Sulfate	mg/L	2.5	2.4	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439417 — 1439418

Parameter	Units	50133416012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.5	1.2	1.2	11.7	11.8	100	103	80-120	0	15	
Fluoride	mg/L	2.2	.5	.5	2.7	2.7	101	105	80-120	1	15	
Sulfate	mg/L	40.7	25	25	63.3	63.2	90	90	80-120	0	15	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MERP/7232 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1443894 — Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/14/15 10:58	

LABORATORY CONTROL SAMPLE: 1443895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.3	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443896 — 1443897

Parameter	Units	50133416006 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	3.9	77	75	75-125	3	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MPRP/18940 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

METHOD BLANK: 1435312 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	12/11/15 12:20	
Boron	ug/L	ND	100	12/11/15 12:20	
Calcium	ug/L	ND	500	12/11/15 12:20	
Cobalt	ug/L	ND	5.0	12/11/15 12:20	
Iron	ug/L	ND	50.0	12/11/15 12:20	
Magnesium	ug/L	ND	500	12/11/15 12:20	
Manganese	ug/L	ND	5.0	12/11/15 12:20	
Nickel	ug/L	ND	10.0	12/11/15 12:20	
Sodium	ug/L	ND	1000	12/11/15 12:20	
Tin	ug/L	ND	10.0	12/11/15 12:20	
Total Hardness by 2340B	ug/L	ND	1000	12/11/15 12:20	
Zinc	ug/L	ND	20.0	12/11/15 12:20	

LABORATORY CONTROL SAMPLE: 1435313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	951	95	80-120	
Boron	ug/L	1000	958	96	80-120	
Calcium	ug/L	10000	9280	93	80-120	
Cobalt	ug/L	1000	946	95	80-120	
Iron	ug/L	10000	9150	92	80-120	
Magnesium	ug/L	10000	9060	91	80-120	
Manganese	ug/L	1000	906	91	80-120	
Nickel	ug/L	1000	959	96	80-120	
Sodium	ug/L	10000	9500	95	80-120	
Tin	ug/L	1000	982	98	80-120	
Total Hardness by 2340B	ug/L	66200	60500	91	80-120	
Zinc	ug/L	1000	948	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435314 1435315

Parameter	Units	50132934003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	23.4	1000	1000	987	986	96	96	75-125	0	20	
Boron	ug/L	12200	1000	1000	13600	13800	142	157	75-125	1	20	P6
Calcium	ug/L	746000	10000	10000	763000	787000	170	414	75-125	3	20	P6
Cobalt	ug/L	ND	1000	1000	848	847	85	85	75-125	0	20	
Iron	ug/L	ND	10000	10000	9030	8990	89	89	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435314 1435315

Parameter	Units	50132934003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium	ug/L	1280000	10000	10000	1300000	1340000	210	630	75-125	3	20	P6
Manganese	ug/L	180	1000	1000	1100	1100	92	92	75-125	0	20	
Nickel	ug/L	ND	1000	1000	855	854	84	84	75-125	0	20	
Sodium	ug/L	5510000	10000	10000	5480000	5650000	-310	1350	75-125	3	20	E,P6
Tin	ug/L	ND	1000	1000	870	869	87	87	75-125	0	20	
Total Hardness by 2340B	ug/L	7140000	66200	66200	7270000	7500000	195	548	75-125	3	20	
Zinc	ug/L	ND	1000	1000	880	879	88	88	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MPRP/18985 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

METHOD BLANK: 1437833 Matrix: Water
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	12/11/15 10:28	
Boron	ug/L	ND	100	12/11/15 10:28	
Calcium	ug/L	ND	500	12/11/15 10:28	
Cobalt	ug/L	ND	5.0	12/11/15 10:28	
Iron	ug/L	136	50.0	12/11/15 10:28	P8
Magnesium	ug/L	ND	500	12/11/15 10:28	
Manganese	ug/L	ND	5.0	12/11/15 10:28	
Nickel	ug/L	ND	10.0	12/11/15 10:28	
Sodium	ug/L	ND	1000	12/11/15 10:28	
Tin	ug/L	ND	10.0	12/11/15 10:28	
Total Hardness by 2340B	ug/L	ND	1000	12/11/15 10:28	
Zinc	ug/L	ND	20.0	12/11/15 10:28	

LABORATORY CONTROL SAMPLE: 1437834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	1020	102	80-120	
Boron	ug/L	1000	1050	105	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Cobalt	ug/L	1000	1010	101	80-120	
Iron	ug/L	10000	10100	101	80-120	
Magnesium	ug/L	10000	9890	99	80-120	
Manganese	ug/L	1000	1000	100	80-120	
Nickel	ug/L	1000	1030	103	80-120	
Sodium	ug/L	10000	10200	102	80-120	
Tin	ug/L	1000	1060	106	80-120	
Total Hardness by 2340B	ug/L	66200	66400	100	80-120	
Zinc	ug/L	1000	1020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437835 1437836

Parameter	Units	50133278003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	1480	1000	1000	2510	2450	104	98	75-125	3	20	
Boron	ug/L	188	1000	1000	1290	1260	110	107	75-125	3	20	
Calcium	ug/L	112000	10000	10000	123000	120000	108	82	75-125	2	20	
Cobalt	ug/L	ND	1000	1000	955	937	95	94	75-125	2	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437835 1437836

Parameter	Units	50133278003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	722	10000	10000	10700	10500	100	97	75-125	2	20	
Magnesium	ug/L	48100	10000	10000	58600	57400	105	93	75-125	2	20	
Manganese	ug/L	619	1000	1000	1610	1570	99	95	75-125	3	20	
Nickel	ug/L	ND	1000	1000	970	952	97	95	75-125	2	20	
Sodium	ug/L	527000	10000	10000	544000	488000	174	-392	75-125	11	20	P6
Tin	ug/L	ND	1000	1000	1020	997	102	100	75-125	2	20	
Total Hardness by 2340B	ug/L	477000	66200	66200	548000	536000	106	89	75-125	2	20	
Zinc	ug/L	ND	1000	1000	1000	983	100	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MPRP/19057 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1442486 — Matrix: Water
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	12/15/15 12:43	
Boron	ug/L	ND	100	12/15/15 12:43	
Calcium	ug/L	ND	500	12/15/15 12:43	
Cobalt	ug/L	ND	5.0	12/15/15 12:43	
Iron	ug/L	ND	50.0	12/15/15 12:43	
Magnesium	ug/L	ND	500	12/15/15 12:43	
Manganese	ug/L	ND	5.0	12/15/15 12:43	
Nickel	ug/L	ND	10.0	12/15/15 12:43	
Sodium	ug/L	ND	1000	12/15/15 12:43	
Tin	ug/L	ND	10.0	12/15/15 12:43	
Total Hardness by 2340B	ug/L	ND	1000	12/15/15 12:43	
Zinc	ug/L	ND	20.0	12/15/15 12:43	

LABORATORY CONTROL SAMPLE: 1442487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	944	94	80-120	
Boron	ug/L	1000	993	99	80-120	
Calcium	ug/L	10000	10400	104	80-120	
Cobalt	ug/L	1000	956	96	80-120	
Iron	ug/L	10000	9850	98	80-120	
Magnesium	ug/L	10000	9840	98	80-120	
Manganese	ug/L	1000	963	96	80-120	
Nickel	ug/L	1000	999	100	80-120	
Sodium	ug/L	10000	9720	97	80-120	
Tin	ug/L	1000	1020	102	80-120	
Total Hardness by 2340B	ug/L	66200	66600	101	80-120	
Zinc	ug/L	1000	962	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442488 — 1442489

Parameter	Units	50133738003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	92.6	1000	1000	1020	971	93	88	75-125	5	20	
Boron	ug/L	ND	1000	1000	1110	1060	101	96	75-125	5	20	
Calcium	ug/L	77800	10000	10000	86200	80800	84	29	75-125	7	20	P6
Cobalt	ug/L	ND	1000	1000	906	869	91	87	75-125	4	20	
Iron	ug/L	ND	10000	10000	9540	9060	95	90	75-125	5	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442488 1442489

Parameter	Units	50133738003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium	ug/L	10200	10000	10000	19500	18300	92	80	75-125	6	20	
Manganese	ug/L	ND	1000	1000	922	877	92	87	75-125	5	20	
Nickel	ug/L	ND	1000	1000	942	903	94	90	75-125	4	20	
Sodium	ug/L	147000	10000	10000	157000	146000	98	-9	75-125	7	20	P6
Tin	ug/L	ND	1000	1000	976	935	98	94	75-125	4	20	
Total Hardness by 2340B	ug/L	236000	66200	66200	295000	277000	89	61	75-125	6	20	
Zinc	ug/L	ND	1000	1000	944	908	94	90	75-125	4	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MPRP/19089 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50133416009, 50133416010, 50133416012, 50133416014

METHOD BLANK: 1444222 Matrix: Water
Associated Lab Samples: 50133416009, 50133416010, 50133416012, 50133416014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	ND	50.0	12/14/15 09:42	

LABORATORY CONTROL SAMPLE: 1444223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	10400	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1444224 1444225

Parameter	Units	50134197001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	0.58 mg/L	10000	10000	10600	10800	100	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MPRP/19406 — Analysis Method: EPA 6020
QC Batch Method: EPA 200.2 — Analysis Description: 6020 MET
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1461439 — Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	01/15/16 21:56	
Arsenic	ug/L	ND	5.0	01/15/16 21:56	
Beryllium	ug/L	ND	2.0	01/15/16 21:56	
Cadmium	ug/L	ND	0.20	01/15/16 21:56	
Chromium	ug/L	ND	5.0	01/15/16 21:56	
Copper	ug/L	ND	5.0	01/15/16 21:56	
Lead	ug/L	ND	5.0	01/15/16 21:56	
Selenium	ug/L	ND	5.0	01/15/16 21:56	
Silver	ug/L	ND	5.0	01/15/16 21:56	
Thallium	ug/L	ND	2.0	01/15/16 21:56	
Vanadium	ug/L	ND	10.0	01/15/16 21:56	

LABORATORY CONTROL SAMPLE: 1461440

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.8	105	80-120	
Arsenic	ug/L	40	40.6	101	80-120	
Beryllium	ug/L	40	39.5	99	80-120	
Cadmium	ug/L	40	41.4	103	80-120	
Chromium	ug/L	40	41.4	103	80-120	
Copper	ug/L	40	41.8	104	80-120	
Lead	ug/L	40	40.4	101	80-120	
Selenium	ug/L	40	40.8	102	80-120	
Silver	ug/L	40	40.5	101	80-120	
Thallium	ug/L	40	40.5	101	80-120	
Vanadium	ug/L	40	40.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461441 — 1461442

Parameter	Units	50133416002 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	41.6	39.1	104	98	75-125	6	20	
Arsenic	ug/L	ND	40	40	39.8	38.7	99	97	75-125	3	20	
Beryllium	ug/L	ND	40	40	39.1	36.5	98	91	75-125	7	20	
Cadmium	ug/L	ND	40	40	41.0	38.1	102	95	75-125	7	20	

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Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461441 1461442

Parameter	Units	50133416002 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	41.3	40.9	102	101	75-125	1	20	
Copper	ug/L	ND	40	40	41.2	38.5	102	96	75-125	7	20	
Lead	ug/L	ND	40	40	40.5	37.8	101	95	75-125	7	20	
Selenium	ug/L	ND	40	40	40.5	38.6	101	96	75-125	5	20	
Silver	ug/L	ND	40	40	40.4	37.3	101	93	75-125	8	20	
Thallium	ug/L	ND	40	40	40.7	38.0	102	95	75-125	7	20	
Vanadium	ug/L	ND	40	40	40.0	40.6	100	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MSV/84467 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50133416001, 50133416002, 50133416008, 50133416010, 50133416011

METHOD BLANK: 1437565 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416008, 50133416010, 50133416011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/04/15 01:42	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/04/15 01:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/04/15 01:42	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/04/15 01:42	
1,1-Dichloroethane	ug/L	ND	5.0	12/04/15 01:42	
1,1-Dichloroethene	ug/L	ND	5.0	12/04/15 01:42	
1,1-Dichloropropene	ug/L	ND	5.0	12/04/15 01:42	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/04/15 01:42	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	12/04/15 01:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/04/15 01:42	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/04/15 01:42	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/04/15 01:42	
1,2-Dichloroethane	ug/L	ND	5.0	12/04/15 01:42	
1,2-Dichloropropane	ug/L	ND	5.0	12/04/15 01:42	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	12/04/15 01:42	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/04/15 01:42	
1,3-Dichloropropane	ug/L	ND	5.0	12/04/15 01:42	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/04/15 01:42	
2,2-Dichloropropane	ug/L	ND	5.0	12/04/15 01:42	
2-Butanone (MEK)	ug/L	ND	10.0	12/04/15 01:42	
2-Hexanone	ug/L	ND	10.0	12/04/15 01:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/04/15 01:42	
Acetone	ug/L	ND	10.0	12/04/15 01:42	
Acetonitrile	ug/L	ND	100	12/04/15 01:42	
Acrolein	ug/L	ND	50.0	12/04/15 01:42	
Acrylonitrile	ug/L	ND	100	12/04/15 01:42	
Allyl chloride	ug/L	ND	5.0	12/04/15 01:42	N2
Benzene	ug/L	ND	5.0	12/04/15 01:42	
Bromochloromethane	ug/L	ND	5.0	12/04/15 01:42	
Bromodichloromethane	ug/L	ND	5.0	12/04/15 01:42	
Bromoform	ug/L	ND	5.0	12/04/15 01:42	
Bromomethane	ug/L	ND	10.0	12/04/15 01:42	
Carbon disulfide	ug/L	ND	10.0	12/04/15 01:42	
Carbon tetrachloride	ug/L	ND	5.0	12/04/15 01:42	
Chlorobenzene	ug/L	ND	5.0	12/04/15 01:42	
Chloroethane	ug/L	ND	10.0	12/04/15 01:42	
Chloroform	ug/L	ND	5.0	12/04/15 01:42	
Chloromethane	ug/L	ND	10.0	12/04/15 01:42	
Chloroprene	ug/L	ND	100	12/04/15 01:42	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/04/15 01:42	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/04/15 01:42	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1437565 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416008, 50133416010, 50133416011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	5.0	12/04/15 01:42	
Dibromomethane	ug/L	ND	10.0	12/04/15 01:42	
Dichlorodifluoromethane	ug/L	ND	5.0	12/04/15 01:42	
Ethyl methacrylate	ug/L	ND	100	12/04/15 01:42	
Ethylbenzene	ug/L	ND	5.0	12/04/15 01:42	
Iodomethane	ug/L	ND	5.0	12/04/15 01:42	
Isobutanol	ug/L	ND	100	12/04/15 01:42	N2
Isopropylbenzene (Cumene)	ug/L	ND	5.0	12/04/15 01:42	
Methacrylonitrile	ug/L	ND	100	12/04/15 01:42	N2
Methyl methacrylate	ug/L	ND	100	12/04/15 01:42	N2
Methyl-tert-butyl ether	ug/L	ND	5.0	12/04/15 01:42	
Methylene Chloride	ug/L	ND	5.0	12/04/15 01:42	
n-Butyl chloride	ug/L	ND	5.0	12/04/15 01:42	
p-Isopropyltoluene	ug/L	ND	5.0	12/04/15 01:42	
Propionitrile	ug/L	ND	100	12/04/15 01:42	N2
Styrene	ug/L	ND	5.0	12/04/15 01:42	
Tetrachloroethene	ug/L	ND	5.0	12/04/15 01:42	
Tetrahydrofuran	ug/L	ND	100	12/04/15 01:42	N2
Toluene	ug/L	ND	5.0	12/04/15 01:42	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/04/15 01:42	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/04/15 01:42	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/04/15 01:42	
Trichloroethene	ug/L	ND	5.0	12/04/15 01:42	
Trichlorofluoromethane	ug/L	ND	10.0	12/04/15 01:42	
Vinyl acetate	ug/L	ND	10.0	12/04/15 01:42	
Vinyl chloride	ug/L	ND	2.0	12/04/15 01:42	
Xylene (Total)	ug/L	ND	5.0	12/04/15 01:42	
4-Bromofluorobenzene (S)	%.	102	80-114	12/04/15 01:42	
Dibromofluoromethane (S)	%.	109	79-116	12/04/15 01:42	
Toluene-d8 (S)	%.	93	81-110	12/04/15 01:42	

LABORATORY CONTROL SAMPLE: 1437566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	58.1	116	61-135	
1,1,1-Trichloroethane	ug/L	50	48.4	97	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	66-126	
1,1,2-Trichloroethane	ug/L	50	54.1	108	77-130	
1,1-Dichloroethane	ug/L	50	45.1	90	75-130	
1,1-Dichloroethene	ug/L	50	47.0	94	68-127	
1,1-Dichloropropene	ug/L	50	52.8	106	78-130	
1,2,3-Trichloropropane	ug/L	50	51.5	103	58-142	
1,2,4-Trimethylbenzene	ug/L	50	51.1	102	69-127	
1,2-Dibromo-3-chloropropane	ug/L	50	60.8	122	64-124	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1437566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	76-125	
1,2-Dichlorobenzene	ug/L	50	50.5	101	75-123	
1,2-Dichloroethane	ug/L	50	48.1	96	75-128	
1,2-Dichloropropane	ug/L	50	51.0	102	74-121	
1,3,5-Trimethylbenzene	ug/L	50	50.2	100	70-126	
1,3-Dichlorobenzene	ug/L	50	52.7	105	74-122	
1,3-Dichloropropane	ug/L	50	53.1	106	74-123	
1,4-Dichlorobenzene	ug/L	50	50.4	101	76-120	
2,2-Dichloropropane	ug/L	50	43.9	88	50-137	
2-Butanone (MEK)	ug/L	250	265	106	58-139	
2-Hexanone	ug/L	250	306	122	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	303	121	58-138	
Acetone	ug/L	250	244	98	49-150	
Acetonitrile	ug/L	50	38.3J	77	50-150	
Acrolein	ug/L	1000	1070	107	41-200	
Acrylonitrile	ug/L	200	186	93	63-137	
Allyl chloride	ug/L	100	82.4	82	70-130	N2
Benzene	ug/L	50	48.4	97	74-122	
Bromochloromethane	ug/L	50	49.1	98	63-132	
Bromodichloromethane	ug/L	50	50.5	101	62-136	
Bromoform	ug/L	50	47.3	95	44-134	
Bromomethane	ug/L	50	60.4	121	22-181	
Carbon disulfide	ug/L	50	59.4	119	59-132	
Carbon tetrachloride	ug/L	50	51.0	102	56-137	
Chlorobenzene	ug/L	50	51.0	102	78-123	
Chloroethane	ug/L	50	54.2	108	60-144	
Chloroform	ug/L	50	48.4	97	78-126	
Chloromethane	ug/L	50	46.0	92	42-134	
Chloroprene	ug/L	50	53.3J	107	70-130	N2
cis-1,2-Dichloroethene	ug/L	50	48.6	97	75-122	
cis-1,3-Dichloropropene	ug/L	50	55.8	112	64-126	
Dibromochloromethane	ug/L	50	58.3	117	58-128	
Dibromomethane	ug/L	50	52.4	105	73-125	
Dichlorodifluoromethane	ug/L	50	42.0	84	35-181	
Ethyl methacrylate	ug/L	200	235	117	69-133	
Ethylbenzene	ug/L	50	51.5	103	66-133	
Iodomethane	ug/L	100	105	105	21-170	
Isobutanol	ug/L	250	1210	484	50-150	L3,N2
Isopropylbenzene (Cumene)	ug/L	50	58.3	117	69-124	
Methacrylonitrile	ug/L	200	209	105	50-150	N2
Methyl methacrylate	ug/L	50	57.9J	116	70-130	N2
Methyl-tert-butyl ether	ug/L	50	56.2	112	69-122	
Methylene Chloride	ug/L	50	47.3	95	68-132	
n-Butyl chloride	ug/L	50	54.1	108	70-130	
p-Isopropyltoluene	ug/L	50	52.2	104	72-132	
Propionitrile	ug/L	50	44.4J	89	50-150	N2
Styrene	ug/L	50	55.3	111	74-126	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1437566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	51.4	103	69-130	
Tetrahydrofuran	ug/L	50	56.6J	113	50-150	N2
Toluene	ug/L	50	47.5	95	72-122	
trans-1,2-Dichloroethene	ug/L	50	45.5	91	72-124	
trans-1,3-Dichloropropene	ug/L	50	56.1	112	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	201	100	56-133	
Trichloroethene	ug/L	50	49.5	99	76-126	
Trichlorofluoromethane	ug/L	50	51.5	103	76-149	
Vinyl acetate	ug/L	200	240	120	45-151	
Vinyl chloride	ug/L	50	47.1	94	59-126	
Xylene (Total)	ug/L	150	158	105	70-124	
4-Bromofluorobenzene (S)	%.			104	80-114	
Dibromofluoromethane (S)	%.			93	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437567 1437568

Parameter	Units	50133331016 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	58.5	57.2	117	114	50-132	2	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	59.7	56.0	119	112	60-138	6	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	44.5	44.0	89	88	55-128	1	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	51.2	49.3	102	99	61-139	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.6	50.3	103	101	57-147	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	59.1	55.3	118	111	55-145	7	20	
1,1-Dichloropropene	ug/L	ND	50	50	59.8	56.9	120	114	55-147	5	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	49.1	50.1	98	100	58-133	2	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	51.3	48.8	103	98	18-149	5	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	51.9	53.0	104	106	37-130	2	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	51.0	50.6	102	101	63-129	1	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	49.3	48.6	99	97	38-136	1	20	
1,2-Dichloroethane	ug/L	ND	50	50	55.3	52.7	111	105	62-138	5	20	
1,2-Dichloropropane	ug/L	ND	50	50	47.9	50.1	96	100	59-130	4	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	50.7	49.1	101	98	20-147	3	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	52.6	50.8	105	102	28-141	3	20	
1,3-Dichloropropane	ug/L	ND	50	50	50.5	49.1	101	98	62-127	3	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	49.7	48.5	99	97	30-139	2	20	
2,2-Dichloropropane	ug/L	ND	50	50	43.8	41.5	88	83	37-139	5	20	
2-Butanone (MEK)	ug/L	ND	250	250	266	268	106	107	37-156	1	20	
2-Hexanone	ug/L	ND	250	250	275	276	110	110	44-143	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	274	277	110	111	46-144	1	20	
Acetone	ug/L	ND	250	250	289	270	116	108	39-156	7	20	
Acetonitrile	ug/L	ND	50	50	43.3J	40.8J	87	82	50-150		20	
Acrolein	ug/L	ND	1000	1000	1230	1270	123	127	33-200	3	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437567 1437568

Parameter	Units	50133331016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acrylonitrile	ug/L	ND	200	200	188	186	94	93	48-149	1	20	
Allyl chloride	ug/L	ND	100	100	92.3	89.1	92	89	70-130	4	20	N2
Benzene	ug/L	ND	50	50	51.0	50.0	102	100	62-129	2	20	
Bromochloromethane	ug/L	ND	50	50	51.2	48.6	102	97	49-142	5	20	
Bromodichloromethane	ug/L	ND	50	50	55.3	54.0	111	108	50-142	2	20	
Bromoform	ug/L	ND	50	50	41.1	38.4	82	77	36-125	7	20	
Bromomethane	ug/L	ND	50	50	56.9	61.3	114	123	13-179	7	20	
Carbon disulfide	ug/L	ND	50	50	70.1	65.7	140	131	45-142	6	20	
Carbon tetrachloride	ug/L	ND	50	50	64.4	59.6	129	119	46-142	8	20	
Chlorobenzene	ug/L	ND	50	50	51.7	49.9	103	100	49-136	4	20	
Chloroethane	ug/L	ND	50	50	64.4	59.7	129	119	47-160	8	20	
Chloroform	ug/L	ND	50	50	55.2	52.8	110	106	54-150	5	20	
Chloromethane	ug/L	ND	50	50	55.0	53.7	110	107	30-148	2	20	
Chloroprene	ug/L	ND	50	50	62.2J	60.9J	124	122	70-130		20	N2
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.0	52.0	106	104	60-135	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	48.5	48.6	97	97	52-123	0	20	
Dibromochloromethane	ug/L	ND	50	50	56.0	53.6	112	107	48-125	4	20	
Dibromomethane	ug/L	ND	50	50	57.9	56.1	116	112	59-134	3	20	
Dichlorodifluoromethane	ug/L	ND	50	50	53.1	48.3	106	97	24-197	9	20	
Ethyl methacrylate	ug/L	ND	200	200	215	215	107	107	55-139	0	20	
Ethylbenzene	ug/L	ND	50	50	52.9	51.1	106	102	28-153	3	20	
Iodomethane	ug/L	ND	100	100	107	134	107	134	17-157	22	20	R1
Isobutanol	ug/L	ND	250	250	971	1000	388	401	50-150	3	20	M0,N2
Isopropylbenzene (Cumene)	ug/L	ND	50	50	61.5	58.4	123	117	18-152	5	20	
Methacrylonitrile	ug/L	ND	200	200	224	204	112	102	50-150	9	20	N2
Methyl methacrylate	ug/L	ND	50	50	52.9J	54.4J	106	109	70-130		20	N2
Methyl-tert-butyl ether	ug/L	ND	50	50	58.6	57.7	117	115	63-130	2	20	
Methylene Chloride	ug/L	ND	50	50	53.1	50.9	106	102	45-156	4	20	
n-Butyl chloride	ug/L	ND	50	50	61.0	60.2	122	120	70-130	1	20	
p-Isopropyltoluene	ug/L	ND	50	50	53.3	51.5	107	103	10-163	3	20	
Propionitrile	ug/L	ND	50	50	48.8J	48.5J	98	97	50-150		20	N2
Styrene	ug/L	ND	50	50	55.7	53.2	111	106	36-139	5	20	
Tetrachloroethene	ug/L	ND	50	50	53.3	49.5	107	99	33-151	7	20	
Tetrahydrofuran	ug/L	ND	50	50	56.1J	55J	112	110	50-150		20	N2
Toluene	ug/L	ND	50	50	47.5	46.2	95	92	50-132	3	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.9	51.1	106	102	40-153	3	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	50.7	49.8	101	100	48-122	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	149	141	75	71	32-139	6	20	
Trichloroethene	ug/L	ND	50	50	53.8	52.0	108	104	50-143	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	69.5	62.3	139	125	60-175	11	20	
Vinyl acetate	ug/L	ND	200	200	159	171	79	86	17-142	8	20	
Vinyl chloride	ug/L	ND	50	50	54.9	53.0	110	106	44-145	4	20	
Xylene (Total)	ug/L	ND	150	150	163	155	108	103	29-145	5	20	
4-Bromofluorobenzene (S)	%.						107	107	80-114			
Dibromofluoromethane (S)	%.						107	103	79-116			
Toluene-d8 (S)	%.						97	96	81-110			

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MSV/84591 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50133416003, 50133416004, 50133416005, 50133416009

METHOD BLANK: 1439802 Matrix: Water
Associated Lab Samples: 50133416003, 50133416004, 50133416005, 50133416009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/07/15 12:12	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/07/15 12:12	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/07/15 12:12	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/07/15 12:12	
1,1-Dichloroethane	ug/L	ND	5.0	12/07/15 12:12	
1,1-Dichloroethene	ug/L	ND	5.0	12/07/15 12:12	
1,1-Dichloropropene	ug/L	ND	5.0	12/07/15 12:12	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/07/15 12:12	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	12/07/15 12:12	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/07/15 12:12	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/07/15 12:12	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/07/15 12:12	
1,2-Dichloroethane	ug/L	ND	5.0	12/07/15 12:12	
1,2-Dichloropropane	ug/L	ND	5.0	12/07/15 12:12	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	12/07/15 12:12	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/07/15 12:12	
1,3-Dichloropropane	ug/L	ND	5.0	12/07/15 12:12	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/07/15 12:12	
2,2-Dichloropropane	ug/L	ND	5.0	12/07/15 12:12	
2-Butanone (MEK)	ug/L	ND	10.0	12/07/15 12:12	
2-Hexanone	ug/L	ND	10.0	12/07/15 12:12	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/07/15 12:12	
Acetone	ug/L	ND	10.0	12/07/15 12:12	
Acetonitrile	ug/L	ND	100	12/07/15 12:12	
Acrolein	ug/L	ND	50.0	12/07/15 12:12	
Acrylonitrile	ug/L	ND	100	12/07/15 12:12	
Allyl chloride	ug/L	ND	5.0	12/07/15 12:12	N2
Benzene	ug/L	ND	5.0	12/07/15 12:12	
Bromochloromethane	ug/L	ND	5.0	12/07/15 12:12	
Bromodichloromethane	ug/L	ND	5.0	12/07/15 12:12	
Bromoform	ug/L	ND	5.0	12/07/15 12:12	
Bromomethane	ug/L	ND	10.0	12/07/15 12:12	
Carbon disulfide	ug/L	ND	10.0	12/07/15 12:12	
Carbon tetrachloride	ug/L	ND	5.0	12/07/15 12:12	
Chlorobenzene	ug/L	ND	5.0	12/07/15 12:12	
Chloroethane	ug/L	ND	10.0	12/07/15 12:12	
Chloroform	ug/L	ND	5.0	12/07/15 12:12	
Chloromethane	ug/L	ND	10.0	12/07/15 12:12	
Chloroprene	ug/L	ND	100	12/07/15 12:12	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/07/15 12:12	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/07/15 12:12	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1439802 Matrix: Water
Associated Lab Samples: 50133416003, 50133416004, 50133416005, 50133416009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	5.0	12/07/15 12:12	
Dibromomethane	ug/L	ND	10.0	12/07/15 12:12	
Dichlorodifluoromethane	ug/L	ND	5.0	12/07/15 12:12	
Ethyl methacrylate	ug/L	ND	100	12/07/15 12:12	
Ethylbenzene	ug/L	ND	5.0	12/07/15 12:12	
Iodomethane	ug/L	ND	5.0	12/07/15 12:12	
Isobutanol	ug/L	ND	100	12/07/15 12:12	N2
Isopropylbenzene (Cumene)	ug/L	ND	5.0	12/07/15 12:12	
Methacrylonitrile	ug/L	ND	100	12/07/15 12:12	N2
Methyl methacrylate	ug/L	ND	100	12/07/15 12:12	N2
Methyl-tert-butyl ether	ug/L	ND	5.0	12/07/15 12:12	
Methylene Chloride	ug/L	ND	5.0	12/07/15 12:12	
n-Butyl chloride	ug/L	ND	5.0	12/07/15 12:12	
p-Isopropyltoluene	ug/L	ND	5.0	12/07/15 12:12	
Propionitrile	ug/L	ND	100	12/07/15 12:12	N2
Styrene	ug/L	ND	5.0	12/07/15 12:12	
Tetrachloroethene	ug/L	ND	5.0	12/07/15 12:12	
Tetrahydrofuran	ug/L	ND	100	12/07/15 12:12	N2
Toluene	ug/L	ND	5.0	12/07/15 12:12	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/07/15 12:12	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/07/15 12:12	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/07/15 12:12	
Trichloroethene	ug/L	ND	5.0	12/07/15 12:12	
Trichlorofluoromethane	ug/L	ND	10.0	12/07/15 12:12	
Vinyl acetate	ug/L	ND	10.0	12/07/15 12:12	
Vinyl chloride	ug/L	ND	2.0	12/07/15 12:12	
Xylene (Total)	ug/L	ND	5.0	12/07/15 12:12	
4-Bromofluorobenzene (S)	%.	102	80-114	12/07/15 12:12	
Dibromofluoromethane (S)	%.	101	79-116	12/07/15 12:12	
Toluene-d8 (S)	%.	95	81-110	12/07/15 12:12	

LABORATORY CONTROL SAMPLE: 1439803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.3	93	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	40.7	81	66-126	
1,1-Dichloroethene	ug/L	50	49.4	99	68-127	
1,2,4-Trimethylbenzene	ug/L	50	45.0	90	69-127	
1,2-Dichloropropane	ug/L	50	43.8	88	74-121	
Benzene	ug/L	50	43.3	87	74-122	
Chlorobenzene	ug/L	50	42.3	85	78-123	
Chloroform	ug/L	50	45.0	90	78-126	
cis-1,2-Dichloroethene	ug/L	50	46.5	93	75-122	
Ethylbenzene	ug/L	50	46.3	93	66-133	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1439803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isopropylbenzene (Cumene)	ug/L	50	52.1	104	69-124	
Methyl-tert-butyl ether	ug/L	50	45.6	91	69-122	
Tetrachloroethene	ug/L	50	45.0	90	69-130	
Toluene	ug/L	50	47.5	95	72-122	
trans-1,2-Dichloroethene	ug/L	50	42.6	85	72-124	
Trichloroethene	ug/L	50	45.1	90	76-126	
Vinyl chloride	ug/L	50	45.3	91	59-126	
Xylene (Total)	ug/L	150	142	95	70-124	
4-Bromofluorobenzene (S)	%.			105	80-114	
Dibromofluoromethane (S)	%.			98	79-116	
Toluene-d8 (S)	%.			98	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439804 1439805

Parameter	Units	50133513002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	43.1	40.8	86	82	60-138	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	34.7	34.1	69	68	55-128	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	52.1	49.9	104	100	55-145	4	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	40.4	38.7	81	77	18-149	4	20	
1,2-Dichloropropane	ug/L	ND	50	50	37.8	37.5	76	75	59-130	1	20	
Benzene	ug/L	ND	50	50	39.7	38.6	79	77	62-129	3	20	
Chlorobenzene	ug/L	ND	50	50	37.9	36.9	76	74	49-136	3	20	
Chloroform	ug/L	ND	50	50	40.8	39.8	82	80	54-150	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	44.1	42.2	88	84	60-135	4	20	
Ethylbenzene	ug/L	ND	50	50	41.3	40.8	83	82	28-153	1	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	47.1	46.9	94	94	18-152	0	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	41.2	38.9	82	78	63-130	6	20	
Tetrachloroethene	ug/L	ND	50	50	41.3	40.6	83	81	33-151	2	20	
Toluene	ug/L	ND	50	50	42.4	42.4	85	85	50-132	0	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	40.8	39.2	82	78	40-153	4	20	
Trichloroethene	ug/L	ND	50	50	42.0	40.0	84	80	50-143	5	20	
Vinyl chloride	ug/L	ND	50	50	42.1	40.5	84	81	44-145	4	20	
Xylene (Total)	ug/L	ND	150	150	127	125	85	84	29-145	1	20	
4-Bromofluorobenzene (S)	%.						105	106	80-114			
Dibromofluoromethane (S)	%.						104	99	79-116			
Toluene-d8 (S)	%.						98	99	81-110			

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MSV/84597
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 50133416006, 50133416007

METHOD BLANK: 1439860
Matrix: Water
Associated Lab Samples: 50133416006, 50133416007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/07/15 16:28	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/07/15 16:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/07/15 16:28	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/07/15 16:28	
1,1-Dichloroethane	ug/L	ND	5.0	12/07/15 16:28	
1,1-Dichloroethene	ug/L	ND	5.0	12/07/15 16:28	
1,1-Dichloropropene	ug/L	ND	5.0	12/07/15 16:28	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/07/15 16:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/07/15 16:28	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/07/15 16:28	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/07/15 16:28	
1,2-Dichloroethane	ug/L	ND	5.0	12/07/15 16:28	
1,2-Dichloropropane	ug/L	ND	5.0	12/07/15 16:28	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/07/15 16:28	
1,3-Dichloropropane	ug/L	ND	5.0	12/07/15 16:28	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/07/15 16:28	
2,2-Dichloropropane	ug/L	ND	5.0	12/07/15 16:28	
2-Butanone (MEK)	ug/L	ND	10.0	12/07/15 16:28	
2-Hexanone	ug/L	ND	10.0	12/07/15 16:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/07/15 16:28	
Acetone	ug/L	ND	10.0	12/07/15 16:28	
Acetonitrile	ug/L	ND	100	12/07/15 16:28	
Acrolein	ug/L	ND	50.0	12/07/15 16:28	
Acrylonitrile	ug/L	ND	100	12/07/15 16:28	
Allyl chloride	ug/L	ND	5.0	12/07/15 16:28	N2
Benzene	ug/L	ND	5.0	12/07/15 16:28	
Bromochloromethane	ug/L	ND	5.0	12/07/15 16:28	
Bromodichloromethane	ug/L	ND	5.0	12/07/15 16:28	
Bromoform	ug/L	ND	5.0	12/07/15 16:28	
Bromomethane	ug/L	ND	10.0	12/07/15 16:28	
Carbon disulfide	ug/L	ND	10.0	12/07/15 16:28	
Carbon tetrachloride	ug/L	ND	5.0	12/07/15 16:28	
Chlorobenzene	ug/L	ND	5.0	12/07/15 16:28	
Chloroethane	ug/L	ND	10.0	12/07/15 16:28	
Chloroform	ug/L	ND	5.0	12/07/15 16:28	
Chloromethane	ug/L	ND	10.0	12/07/15 16:28	
Chloroprene	ug/L	ND	100	12/07/15 16:28	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/07/15 16:28	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/07/15 16:28	
Dibromochloromethane	ug/L	ND	5.0	12/07/15 16:28	
Dibromomethane	ug/L	ND	10.0	12/07/15 16:28	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1439860 Matrix: Water
Associated Lab Samples: 50133416006, 50133416007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	12/07/15 16:28	
Ethyl methacrylate	ug/L	ND	100	12/07/15 16:28	
Ethylbenzene	ug/L	ND	5.0	12/07/15 16:28	
Iodomethane	ug/L	ND	5.0	12/07/15 16:28	
Isobutanol	ug/L	ND	100	12/07/15 16:28	N2
Methacrylonitrile	ug/L	ND	100	12/07/15 16:28	N2
Methyl methacrylate	ug/L	ND	100	12/07/15 16:28	N2
Methylene Chloride	ug/L	ND	5.0	12/07/15 16:28	
Propionitrile	ug/L	ND	100	12/07/15 16:28	N2
Styrene	ug/L	ND	5.0	12/07/15 16:28	
Tetrachloroethene	ug/L	ND	5.0	12/07/15 16:28	
Toluene	ug/L	ND	5.0	12/07/15 16:28	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/07/15 16:28	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/07/15 16:28	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/07/15 16:28	
Trichloroethene	ug/L	ND	5.0	12/07/15 16:28	
Trichlorofluoromethane	ug/L	ND	10.0	12/07/15 16:28	
Vinyl acetate	ug/L	ND	10.0	12/07/15 16:28	
Vinyl chloride	ug/L	ND	2.0	12/07/15 16:28	
Xylene (Total)	ug/L	ND	5.0	12/07/15 16:28	
4-Bromofluorobenzene (S)	%.	100	80-114	12/07/15 16:28	
Dibromofluoromethane (S)	%.	99	79-116	12/07/15 16:28	
Toluene-d8 (S)	%.	100	81-110	12/07/15 16:28	

LABORATORY CONTROL SAMPLE: 1439861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.9	110	61-135	
1,1,1-Trichloroethane	ug/L	50	54.2	108	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	66-126	
1,1,2-Trichloroethane	ug/L	50	50.1	100	77-130	
1,1-Dichloroethane	ug/L	50	54.1	108	75-130	
1,1-Dichloroethene	ug/L	50	57.3	115	68-127	
1,1-Dichloropropene	ug/L	50	55.1	110	78-130	
1,2,3-Trichloropropane	ug/L	50	51.1	102	58-142	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	50.7	101	76-125	
1,2-Dichlorobenzene	ug/L	50	51.6	103	75-123	
1,2-Dichloroethane	ug/L	50	47.5	95	75-128	
1,2-Dichloropropane	ug/L	50	55.4	111	74-121	
1,3-Dichlorobenzene	ug/L	50	53.9	108	74-122	
1,3-Dichloropropane	ug/L	50	49.4	99	74-123	
1,4-Dichlorobenzene	ug/L	50	52.7	105	76-120	
2,2-Dichloropropane	ug/L	50	50.2	100	50-137	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1439861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	250	238	95	58-139	
2-Hexanone	ug/L	250	243	97	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	249	100	58-138	
Acetone	ug/L	250	228	91	49-150	
Acetonitrile	ug/L	50	53.4J	107	50-150	
Acrolein	ug/L	1000	1300	130	41-200	
Acrylonitrile	ug/L	200	197	98	63-137	
Allyl chloride	ug/L	100	106	106	70-130	N2
Benzene	ug/L	50	54.6	109	74-122	
Bromochloromethane	ug/L	50	55.3	111	63-132	
Bromodichloromethane	ug/L	50	53.1	106	62-136	
Bromoform	ug/L	50	46.5	93	44-134	
Bromomethane	ug/L	50	61.4	123	22-181	
Carbon disulfide	ug/L	50	56.5	113	59-132	
Carbon tetrachloride	ug/L	50	53.9	108	56-137	
Chlorobenzene	ug/L	50	52.0	104	78-123	
Chloroethane	ug/L	50	58.6	117	60-144	
Chloroform	ug/L	50	55.0	110	78-126	
Chloromethane	ug/L	50	61.3	123	42-134	
cis-1,2-Dichloroethene	ug/L	50	54.8	110	75-122	
cis-1,3-Dichloropropene	ug/L	50	54.0	108	64-126	
Dibromochloromethane	ug/L	50	50.2	100	58-128	
Dibromomethane	ug/L	50	52.3	105	73-125	
Dichlorodifluoromethane	ug/L	50	64.0	128	35-181	
Ethyl methacrylate	ug/L	200	199	99	69-133	
Ethylbenzene	ug/L	50	54.5	109	66-133	
Iodomethane	ug/L	100	125	125	21-170	
Isobutanol	ug/L	250	939	375	50-150	L3,N2
Methyl methacrylate	ug/L	50	51.7J	103	70-130	N2
Methylene Chloride	ug/L	50	50.6	101	68-132	
Styrene	ug/L	50	54.1	108	74-126	
Tetrachloroethene	ug/L	50	52.9	106	69-130	
Toluene	ug/L	50	54.0	108	72-122	
trans-1,2-Dichloroethene	ug/L	50	58.0	116	72-124	
trans-1,3-Dichloropropene	ug/L	50	53.0	106	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	203	102	56-133	
Trichloroethene	ug/L	50	58.7	117	76-126	
Trichlorofluoromethane	ug/L	50	63.5	127	76-149	
Vinyl acetate	ug/L	200	226	113	45-151	
Vinyl chloride	ug/L	50	63.6	127	59-126	L3
Xylene (Total)	ug/L	150	166	111	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			100	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

MATRIX SPIKE SAMPLE: 1439863

Parameter	Units	50133294032 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	48.7	97	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.8	88	55-128	
1,1-Dichloroethene	ug/L	ND	50	52.8	106	55-145	
1,2-Dichloropropane	ug/L	ND	50	45.6	91	59-130	
Benzene	ug/L	ND	50	48.3	96	62-129	
Chlorobenzene	ug/L	ND	50	43.6	87	49-136	
Chloroform	ug/L	ND	50	46.7	93	54-150	
Ethylbenzene	ug/L	ND	50	45.7	91	28-153	
Tetrachloroethene	ug/L	ND	50	46.9	92	33-151	
Toluene	ug/L	ND	50	47.0	91	50-132	
Trichloroethene	ug/L	ND	50	53.4	105	50-143	
Vinyl chloride	ug/L	ND	50	61.9	120	44-145	
Xylene (Total)	ug/L	ND	150	137	91	29-145	
4-Bromofluorobenzene (S)	%.				98	80-114	
Dibromofluoromethane (S)	%.				100	79-116	
Toluene-d8 (S)	%.				99	81-110	

SAMPLE DUPLICATE: 1439862

Parameter	Units	50133294031 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	
1,1-Dichloropropene	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	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
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	
Acetonitrile	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Allyl chloride	ug/L	ND	ND		20	N2

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

SAMPLE DUPLICATE: 1439862

Parameter	Units	50133294031 Result	Dup Result	RPD	Max RPD	Qualifiers
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	
Chloroprene	ug/L	ND	ND		20	N2
cis-1,2-Dichloroethene	ug/L	8.7	8.4	3	20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isobutanol	ug/L	ND	ND		20	N2
Methacrylonitrile	ug/L	ND	ND		20	N2
Methyl methacrylate	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Propionitrile	ug/L	ND	ND		20	N2
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	2.5J		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	3.2J		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)	%.	98	99	1		
Dibromofluoromethane (S)	%.	97	99	1		
Toluene-d8 (S)	%.	100	101	1		

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MSV/84739 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50133416014, 50133416015, 50133416016

METHOD BLANK: 1442272 Matrix: Water
Associated Lab Samples: 50133416014, 50133416015, 50133416016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/10/15 11:37	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/10/15 11:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/10/15 11:37	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/10/15 11:37	
1,1-Dichloroethane	ug/L	ND	5.0	12/10/15 11:37	
1,1-Dichloroethene	ug/L	ND	5.0	12/10/15 11:37	
1,1-Dichloropropene	ug/L	ND	5.0	12/10/15 11:37	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/10/15 11:37	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	12/10/15 11:37	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/10/15 11:37	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/10/15 11:37	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/10/15 11:37	
1,2-Dichloroethane	ug/L	ND	5.0	12/10/15 11:37	
1,2-Dichloropropane	ug/L	ND	5.0	12/10/15 11:37	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	12/10/15 11:37	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/10/15 11:37	
1,3-Dichloropropane	ug/L	ND	5.0	12/10/15 11:37	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/10/15 11:37	
2,2-Dichloropropane	ug/L	ND	5.0	12/10/15 11:37	
2-Butanone (MEK)	ug/L	ND	10.0	12/10/15 11:37	
2-Hexanone	ug/L	ND	10.0	12/10/15 11:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/10/15 11:37	
Acetone	ug/L	ND	10.0	12/10/15 11:37	
Acetonitrile	ug/L	ND	100	12/10/15 11:37	
Acrolein	ug/L	ND	50.0	12/10/15 11:37	
Acrylonitrile	ug/L	ND	100	12/10/15 11:37	
Allyl chloride	ug/L	ND	5.0	12/10/15 11:37	N2
Benzene	ug/L	ND	5.0	12/10/15 11:37	
Bromochloromethane	ug/L	ND	5.0	12/10/15 11:37	
Bromodichloromethane	ug/L	ND	5.0	12/10/15 11:37	
Bromoform	ug/L	ND	5.0	12/10/15 11:37	
Bromomethane	ug/L	ND	10.0	12/10/15 11:37	
Carbon disulfide	ug/L	ND	10.0	12/10/15 11:37	
Carbon tetrachloride	ug/L	ND	5.0	12/10/15 11:37	
Chlorobenzene	ug/L	ND	5.0	12/10/15 11:37	
Chloroethane	ug/L	ND	10.0	12/10/15 11:37	
Chloroform	ug/L	ND	5.0	12/10/15 11:37	
Chloromethane	ug/L	ND	10.0	12/10/15 11:37	
Chloroprene	ug/L	ND	100	12/10/15 11:37	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/10/15 11:37	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/10/15 11:37	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1442272 Matrix: Water
Associated Lab Samples: 50133416014, 50133416015, 50133416016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	5.0	12/10/15 11:37	
Dibromomethane	ug/L	ND	10.0	12/10/15 11:37	
Dichlorodifluoromethane	ug/L	ND	5.0	12/10/15 11:37	
Ethyl methacrylate	ug/L	ND	100	12/10/15 11:37	
Ethylbenzene	ug/L	ND	5.0	12/10/15 11:37	
Iodomethane	ug/L	ND	5.0	12/10/15 11:37	
Isobutanol	ug/L	ND	100	12/10/15 11:37	N2
Isopropylbenzene (Cumene)	ug/L	ND	5.0	12/10/15 11:37	
Methacrylonitrile	ug/L	ND	100	12/10/15 11:37	N2
Methyl methacrylate	ug/L	ND	100	12/10/15 11:37	N2
Methyl-tert-butyl ether	ug/L	ND	5.0	12/10/15 11:37	
Methylene Chloride	ug/L	ND	5.0	12/10/15 11:37	
n-Butyl chloride	ug/L	ND	5.0	12/10/15 11:37	
p-Isopropyltoluene	ug/L	ND	5.0	12/10/15 11:37	
Propionitrile	ug/L	ND	100	12/10/15 11:37	N2
Styrene	ug/L	ND	5.0	12/10/15 11:37	
Tetrachloroethene	ug/L	ND	5.0	12/10/15 11:37	
Tetrahydrofuran	ug/L	ND	100	12/10/15 11:37	N2
Toluene	ug/L	ND	5.0	12/10/15 11:37	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/10/15 11:37	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/10/15 11:37	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/10/15 11:37	
Trichloroethene	ug/L	ND	5.0	12/10/15 11:37	
Trichlorofluoromethane	ug/L	ND	10.0	12/10/15 11:37	
Vinyl acetate	ug/L	ND	10.0	12/10/15 11:37	
Vinyl chloride	ug/L	ND	2.0	12/10/15 11:37	
Xylene (Total)	ug/L	ND	5.0	12/10/15 11:37	
4-Bromofluorobenzene (S)	%.	99	80-114	12/10/15 11:37	
Dibromofluoromethane (S)	%.	99	79-116	12/10/15 11:37	
Toluene-d8 (S)	%.	100	81-110	12/10/15 11:37	

LABORATORY CONTROL SAMPLE: 1442273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.1	98	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.1	102	66-126	
1,1-Dichloroethene	ug/L	50	51.9	104	68-127	
1,2,4-Trimethylbenzene	ug/L	50	50.3	101	69-127	
1,2-Dichloropropane	ug/L	50	51.5	103	74-121	
Benzene	ug/L	50	50.5	101	74-122	
Chlorobenzene	ug/L	50	50.4	101	78-123	
Chloroform	ug/L	50	51.4	103	78-126	
Ethylbenzene	ug/L	50	50.9	102	66-133	
Isopropylbenzene (Cumene)	ug/L	50	51.8	104	69-124	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1442273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	51.2	102	69-122	
Tetrachloroethene	ug/L	50	50.4	101	69-130	
Toluene	ug/L	50	50.3	101	72-122	
Trichloroethene	ug/L	50	54.5	109	76-126	
Vinyl chloride	ug/L	50	56.5	113	59-126	
Xylene (Total)	ug/L	150	155	104	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			99	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442274 1442275

Parameter	Units	50134020007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	60.1	54.0	120	108	60-138	11	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	67.7	58.2	135	116	55-128	15	20	M0
1,1-Dichloroethene	ug/L	ND	50	50	62.0	56.2	124	112	55-145	10	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	62.7	55.6	125	111	18-149	12	20	
1,2-Dichloropropane	ug/L	ND	50	50	63.7	56.9	127	114	59-130	11	20	
Benzene	ug/L	ND	50	50	61.6	55.9	122	111	62-129	10	20	
Chlorobenzene	ug/L	ND	50	50	60.5	54.5	121	109	49-136	10	20	
Chloroform	ug/L	ND	50	50	62.0	56.3	124	113	54-150	10	20	
Ethylbenzene	ug/L	ND	50	50	61.2	55.9	122	112	28-153	9	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	62.0	56.2	124	112	18-152	10	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	64.5	56.0	129	112	63-130	14	20	
Tetrachloroethene	ug/L	ND	50	50	60.6	54.7	121	109	33-151	10	20	
Toluene	ug/L	ND	50	50	60.7	55.5	120	109	50-132	9	20	
Trichloroethene	ug/L	ND	50	50	64.0	58.8	128	118	50-143	9	20	
Vinyl chloride	ug/L	ND	50	50	64.7	59.3	129	119	44-145	9	20	
Xylene (Total)	ug/L	ND	150	150	188	168	125	112	29-145	11	20	
4-Bromofluorobenzene (S)	%.						99	98	80-114			
Dibromofluoromethane (S)	%.						101	99	79-116			
Toluene-d8 (S)	%.						98	99	81-110			

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: MSV/84746 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50133416012, 50133416013, 50133416017, 50133416018, 50133416019, 50133416020

METHOD BLANK: 1442407 Matrix: Water
Associated Lab Samples: 50133416012, 50133416013, 50133416017, 50133416018, 50133416019, 50133416020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/10/15 22:41	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/10/15 22:41	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/10/15 22:41	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/10/15 22:41	
1,1-Dichloroethane	ug/L	ND	5.0	12/10/15 22:41	
1,1-Dichloroethene	ug/L	ND	5.0	12/10/15 22:41	
1,1-Dichloropropene	ug/L	ND	5.0	12/10/15 22:41	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/10/15 22:41	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	12/10/15 22:41	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/10/15 22:41	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/10/15 22:41	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/10/15 22:41	
1,2-Dichloroethane	ug/L	ND	5.0	12/10/15 22:41	
1,2-Dichloropropane	ug/L	ND	5.0	12/10/15 22:41	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	12/10/15 22:41	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/10/15 22:41	
1,3-Dichloropropane	ug/L	ND	5.0	12/10/15 22:41	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/10/15 22:41	
2,2-Dichloropropane	ug/L	ND	5.0	12/10/15 22:41	
2-Butanone (MEK)	ug/L	ND	10.0	12/10/15 22:41	
2-Hexanone	ug/L	ND	10.0	12/10/15 22:41	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/10/15 22:41	
Acetone	ug/L	ND	10.0	12/10/15 22:41	
Acetonitrile	ug/L	ND	100	12/10/15 22:41	
Acrolein	ug/L	ND	50.0	12/10/15 22:41	
Acrylonitrile	ug/L	ND	100	12/10/15 22:41	
Allyl chloride	ug/L	ND	5.0	12/10/15 22:41	N2
Benzene	ug/L	ND	5.0	12/10/15 22:41	
Bromochloromethane	ug/L	ND	5.0	12/10/15 22:41	
Bromodichloromethane	ug/L	ND	5.0	12/10/15 22:41	
Bromoform	ug/L	ND	5.0	12/10/15 22:41	
Bromomethane	ug/L	ND	10.0	12/10/15 22:41	
Carbon disulfide	ug/L	ND	10.0	12/10/15 22:41	
Carbon tetrachloride	ug/L	ND	5.0	12/10/15 22:41	
Chlorobenzene	ug/L	ND	5.0	12/10/15 22:41	
Chloroethane	ug/L	ND	10.0	12/10/15 22:41	
Chloroform	ug/L	ND	5.0	12/10/15 22:41	
Chloromethane	ug/L	ND	10.0	12/10/15 22:41	
Chloroprene	ug/L	ND	100	12/10/15 22:41	N2
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/10/15 22:41	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/10/15 22:41	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1442407 Matrix: Water
Associated Lab Samples: 50133416012, 50133416013, 50133416017, 50133416018, 50133416019, 50133416020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	5.0	12/10/15 22:41	
Dibromomethane	ug/L	ND	10.0	12/10/15 22:41	
Dichlorodifluoromethane	ug/L	ND	5.0	12/10/15 22:41	
Ethyl methacrylate	ug/L	ND	100	12/10/15 22:41	
Ethylbenzene	ug/L	ND	5.0	12/10/15 22:41	
Iodomethane	ug/L	ND	5.0	12/10/15 22:41	
Isobutanol	ug/L	ND	100	12/10/15 22:41	N2
Isopropylbenzene (Cumene)	ug/L	ND	5.0	12/10/15 22:41	
Methacrylonitrile	ug/L	ND	100	12/10/15 22:41	N2
Methyl methacrylate	ug/L	ND	100	12/10/15 22:41	N2
Methyl-tert-butyl ether	ug/L	ND	5.0	12/10/15 22:41	
Methylene Chloride	ug/L	ND	5.0	12/10/15 22:41	
n-Butyl chloride	ug/L	ND	5.0	12/10/15 22:41	
p-Isopropyltoluene	ug/L	ND	5.0	12/10/15 22:41	
Propionitrile	ug/L	ND	100	12/10/15 22:41	N2
Styrene	ug/L	ND	5.0	12/10/15 22:41	
Tetrachloroethene	ug/L	ND	5.0	12/10/15 22:41	
Tetrahydrofuran	ug/L	ND	100	12/10/15 22:41	N2
Toluene	ug/L	ND	5.0	12/10/15 22:41	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/10/15 22:41	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/10/15 22:41	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	12/10/15 22:41	
Trichloroethene	ug/L	ND	5.0	12/10/15 22:41	
Trichlorofluoromethane	ug/L	ND	10.0	12/10/15 22:41	
Vinyl acetate	ug/L	ND	10.0	12/10/15 22:41	
Vinyl chloride	ug/L	ND	2.0	12/10/15 22:41	
Xylene (Total)	ug/L	ND	5.0	12/10/15 22:41	
4-Bromofluorobenzene (S)	%.	97	80-114	12/10/15 22:41	
Dibromofluoromethane (S)	%.	100	79-116	12/10/15 22:41	
Toluene-d8 (S)	%.	100	81-110	12/10/15 22:41	

LABORATORY CONTROL SAMPLE: 1442408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.5	103	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	66-126	
1,1-Dichloroethene	ug/L	50	55.2	110	68-127	
1,2,4-Trimethylbenzene	ug/L	50	52.7	105	69-127	
1,2-Dichloropropane	ug/L	50	53.4	107	74-121	
Benzene	ug/L	50	53.1	106	74-122	
Chlorobenzene	ug/L	50	51.6	103	78-123	
Chloroform	ug/L	50	53.0	106	78-126	
Ethylbenzene	ug/L	50	52.6	105	66-133	
Isopropylbenzene (Cumene)	ug/L	50	54.1	108	69-124	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1442408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	52.0	104	69-122	
Tetrachloroethene	ug/L	50	53.5	107	69-130	
Toluene	ug/L	50	52.7	105	72-122	
Trichloroethene	ug/L	50	58.6	117	76-126	
Vinyl chloride	ug/L	50	58.4	117	59-126	
Xylene (Total)	ug/L	150	164	109	70-124	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			102	79-116	
Toluene-d8 (S)	%.			101	81-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41686 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

METHOD BLANK: 1435662 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	12/03/15 21:49	
4,4'-DDE	ug/L	ND	0.10	12/03/15 21:49	
4,4'-DDT	ug/L	ND	0.10	12/03/15 21:49	
Aldrin	ug/L	ND	0.050	12/03/15 21:49	
alpha-BHC	ug/L	ND	0.050	12/03/15 21:49	
alpha-Chlordane	ug/L	ND	0.50	12/03/15 21:49	
beta-BHC	ug/L	ND	0.050	12/03/15 21:49	
Chlordane (Technical)	ug/L	ND	0.50	12/03/15 21:49	
delta-BHC	ug/L	ND	0.050	12/03/15 21:49	
Dieldrin	ug/L	ND	0.10	12/03/15 21:49	
Endosulfan I	ug/L	ND	0.050	12/03/15 21:49	
Endosulfan II	ug/L	ND	0.10	12/03/15 21:49	
Endosulfan sulfate	ug/L	ND	0.10	12/03/15 21:49	
Endrin	ug/L	ND	0.10	12/03/15 21:49	
Endrin aldehyde	ug/L	ND	0.10	12/03/15 21:49	
gamma-BHC (Lindane)	ug/L	ND	0.050	12/03/15 21:49	
gamma-Chlordane	ug/L	ND	0.50	12/03/15 21:49	
Heptachlor	ug/L	ND	0.050	12/03/15 21:49	
Heptachlor epoxide	ug/L	ND	0.050	12/03/15 21:49	
Methoxychlor	ug/L	ND	0.50	12/03/15 21:49	
Toxaphene	ug/L	ND	1.0	12/03/15 21:49	
Decachlorobiphenyl (S)	%.	51	10-128	12/03/15 21:49	

LABORATORY CONTROL SAMPLE: 1435663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.36	90	71-139	
4,4'-DDE	ug/L	.4	0.28	70	55-139	
4,4'-DDT	ug/L	.4	0.38	94	60-146	
Aldrin	ug/L	.2	.026J	13	10-107	
alpha-BHC	ug/L	.2	0.18	89	67-132	
alpha-Chlordane	ug/L	.2	.12J	62	59-131	
beta-BHC	ug/L	.2	0.19	97	72-140	
delta-BHC	ug/L	.2	0.20	100	72-144	
Dieldrin	ug/L	.4	0.35	86	71-142	
Endosulfan I	ug/L	.2	0.17	87	70-133	
Endosulfan II	ug/L	.4	0.37	93	72-142	
Endosulfan sulfate	ug/L	.4	0.37	91	70-138	
Endrin	ug/L	.4	0.36	90	70-137	
Endrin aldehyde	ug/L	.4	0.36	90	66-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1435663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.2	0.18	92	68-132	
gamma-Chlordane	ug/L	.2	.1J	52	51-133	
Heptachlor	ug/L	.2	0.054	27	14-120	
Heptachlor epoxide	ug/L	.2	0.16	82	69-134	
Methoxychlor	ug/L	2	1.9	97	56-143	
Decachlorobiphenyl (S)	%.			52	10-128	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41712 — Analysis Method: EPA 8081
QC Batch Method: EPA 3510 — Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

METHOD BLANK: 1436901 — Matrix: Water
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	12/07/15 23:13	
4,4'-DDE	ug/L	ND	0.10	12/07/15 23:13	
4,4'-DDT	ug/L	ND	0.10	12/07/15 23:13	
Aldrin	ug/L	ND	0.050	12/07/15 23:13	
alpha-BHC	ug/L	ND	0.050	12/07/15 23:13	
alpha-Chlordane	ug/L	ND	0.50	12/07/15 23:13	
beta-BHC	ug/L	ND	0.050	12/07/15 23:13	
Chlordane (Technical)	ug/L	ND	0.50	12/07/15 23:13	
delta-BHC	ug/L	ND	0.050	12/07/15 23:13	
Dieldrin	ug/L	ND	0.10	12/07/15 23:13	
Endosulfan I	ug/L	ND	0.050	12/07/15 23:13	
Endosulfan II	ug/L	ND	0.10	12/07/15 23:13	
Endosulfan sulfate	ug/L	ND	0.10	12/07/15 23:13	
Endrin	ug/L	ND	0.10	12/07/15 23:13	
Endrin aldehyde	ug/L	ND	0.10	12/07/15 23:13	
gamma-BHC (Lindane)	ug/L	ND	0.050	12/07/15 23:13	
gamma-Chlordane	ug/L	ND	0.50	12/07/15 23:13	
Heptachlor	ug/L	ND	0.050	12/07/15 23:13	
Heptachlor epoxide	ug/L	ND	0.050	12/07/15 23:13	
Methoxychlor	ug/L	ND	0.50	12/07/15 23:13	
Toxaphene	ug/L	ND	1.0	12/07/15 23:13	
Decachlorobiphenyl (S)	%.	51	10-128	12/07/15 23:13	

LABORATORY CONTROL SAMPLE: 1436902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.41	103	71-139	
4,4'-DDE	ug/L	.4	0.38	96	55-139	
4,4'-DDT	ug/L	.4	0.40	100	60-146	
Aldrin	ug/L	.2	0.058	29	10-107	
alpha-BHC	ug/L	.2	0.19	93	67-132	
alpha-Chlordane	ug/L	.2	.17J	87	59-131	
beta-BHC	ug/L	.2	0.21	103	72-140	
delta-BHC	ug/L	.2	0.21	105	72-144	
Dieldrin	ug/L	.4	0.40	100	71-142	
Endosulfan I	ug/L	.2	0.19	96	70-133	
Endosulfan II	ug/L	.4	0.41	102	72-142	
Endosulfan sulfate	ug/L	.4	0.40	100	70-138	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1436902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/L	.4	0.40	101	70-137	
Endrin aldehyde	ug/L	.4	0.40	100	66-135	
gamma-BHC (Lindane)	ug/L	.2	0.19	97	68-132	
gamma-Chlordane	ug/L	.2	.16J	81	51-133	
Heptachlor	ug/L	.2	0.082	41	14-120	
Heptachlor epoxide	ug/L	.2	0.19	95	69-134	
Methoxychlor	ug/L	2	1.9	94	56-143	
Decachlorobiphenyl (S)	%.			52	10-128	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41758 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1439444 Matrix: Water
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	12/10/15 21:35	
4,4'-DDE	ug/L	ND	0.10	12/10/15 21:35	
4,4'-DDT	ug/L	ND	0.10	12/10/15 21:35	
Aldrin	ug/L	ND	0.050	12/10/15 21:35	
alpha-BHC	ug/L	ND	0.050	12/10/15 21:35	
alpha-Chlordane	ug/L	ND	0.50	12/10/15 21:35	
beta-BHC	ug/L	ND	0.050	12/10/15 21:35	
Chlordane (Technical)	ug/L	ND	0.50	12/10/15 21:35	
delta-BHC	ug/L	ND	0.050	12/10/15 21:35	
Dieldrin	ug/L	ND	0.10	12/10/15 21:35	
Endosulfan I	ug/L	ND	0.050	12/10/15 21:35	
Endosulfan II	ug/L	ND	0.10	12/10/15 21:35	
Endosulfan sulfate	ug/L	ND	0.10	12/10/15 21:35	
Endrin	ug/L	ND	0.10	12/10/15 21:35	
Endrin aldehyde	ug/L	ND	0.10	12/10/15 21:35	
gamma-BHC (Lindane)	ug/L	ND	0.050	12/10/15 21:35	
gamma-Chlordane	ug/L	ND	0.50	12/10/15 21:35	
Heptachlor	ug/L	ND	0.050	12/10/15 21:35	
Heptachlor epoxide	ug/L	ND	0.050	12/10/15 21:35	
Methoxychlor	ug/L	ND	0.50	12/10/15 21:35	
Toxaphene	ug/L	ND	1.0	12/10/15 21:35	
Decachlorobiphenyl (S)	%.	46	10-128	12/10/15 21:35	

LABORATORY CONTROL SAMPLE: 1439445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.39	98	71-139	
4,4'-DDE	ug/L	.4	0.38	94	55-139	
4,4'-DDT	ug/L	.4	0.32	79	60-146	
Aldrin	ug/L	.2	0.097	49	10-107	
alpha-BHC	ug/L	.2	0.19	95	67-132	
alpha-Chlordane	ug/L	.2	.18J	89	59-131	
beta-BHC	ug/L	.2	0.20	100	72-140	
delta-BHC	ug/L	.2	0.20	98	72-144	
Dieldrin	ug/L	.4	0.40	99	71-142	
Endosulfan I	ug/L	.2	0.19	96	70-133	
Endosulfan II	ug/L	.4	0.40	99	72-142	
Endosulfan sulfate	ug/L	.4	0.39	97	70-138	
Endrin	ug/L	.4	0.40	99	70-137	
Endrin aldehyde	ug/L	.4	0.38	95	66-135	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1439445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.2	0.19	95	68-132	
gamma-Chlordane	ug/L	.2	.17J	87	51-133	
Heptachlor	ug/L	.2	0.12	61	14-120	
Heptachlor epoxide	ug/L	.2	0.19	95	69-134	
Methoxychlor	ug/L	2	1.7	87	56-143	
Decachlorobiphenyl (S)	%.			42	10-128	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41685 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

METHOD BLANK: 1435658 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	12/03/15 00:04	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.20	12/03/15 00:04	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	12/03/15 00:04	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	12/03/15 00:04	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	12/03/15 00:04	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	12/03/15 00:04	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	12/03/15 00:04	
Tetrachloro-m-xylene (S)	%.	59	32-115	12/03/15 00:04	

LABORATORY CONTROL SAMPLE: 1435659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	1	0.90	90	62-146	
PCB-1260 (Aroclor 1260)	ug/L	1	0.84	84	67-146	
Tetrachloro-m-xylene (S)	%.			61	32-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435660 1435661

Parameter	Units	50133375002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	ND	2	2	2.3	2.4	113	122	50-173	7	25	
PCB-1260 (Aroclor 1260)	ug/L	ND	2	2	1.4	1.5	70	77	53-158	9	25	
Tetrachloro-m-xylene (S)	%.						75	74	32-115			

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41711 — Analysis Method: EPA 8082
QC Batch Method: EPA 3510 — Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

METHOD BLANK: 1436897 — Matrix: Water
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	12/04/15 18:23	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.20	12/04/15 18:23	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	12/04/15 18:23	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	12/04/15 18:23	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	12/04/15 18:23	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	12/04/15 18:23	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	12/04/15 18:23	
Tetrachloro-m-xylene (S)	%.	64	32-115	12/04/15 18:23	

LABORATORY CONTROL SAMPLE: 1436898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	1	1.1	110	62-146	
PCB-1260 (Aroclor 1260)	ug/L	1	1.0	104	67-146	
Tetrachloro-m-xylene (S)	%.			68	32-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436899 — 1436900

Parameter	Units	50133513002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	ND	2	2	1.7	1.8	87	90	50-173	3	25	
PCB-1260 (Aroclor 1260)	ug/L	ND	2	2	1.6	1.5	80	74	53-158	7	25	
Tetrachloro-m-xylene (S)	%.						59	77	32-115			

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41757 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1439441 Matrix: Water
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.10	12/08/15 16:12	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.20	12/08/15 16:12	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.10	12/08/15 16:12	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.10	12/08/15 16:12	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.10	12/08/15 16:12	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.10	12/08/15 16:12	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.10	12/08/15 16:12	
Tetrachloro-m-xylene (S)	%.	75	32-115	12/08/15 16:12	

LABORATORY CONTROL SAMPLE: 1439442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	1	0.79	79	62-146	
PCB-1260 (Aroclor 1260)	ug/L	1	0.71	71	67-146	
Tetrachloro-m-xylene (S)	%.			63	32-115	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41697 — Analysis Method: EPA 8151
QC Batch Method: EPA 8151 — Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

METHOD BLANK: 1436680 — Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	ND	1.0	12/07/15 19:17	
2,4,5-TP (Silvex)	ug/L	ND	1.0	12/07/15 19:17	
2,4-D	ug/L	ND	1.0	12/07/15 19:17	
2,4-DCAA (S)	%.	82	24-210	12/07/15 19:17	

LABORATORY CONTROL SAMPLE: 1436681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2.5	2.9	117	55-141	
2,4,5-TP (Silvex)	ug/L	2.5	2.9	114	58-126	
2,4-D	ug/L	2.5	3.0	120	55-133	
2,4-DCAA (S)	%.			71	24-210	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41778 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1440844 Matrix: Water
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	ND	1.0	12/10/15 20:13	
2,4,5-TP (Silvex)	ug/L	ND	1.0	12/10/15 20:13	
2,4-D	ug/L	ND	1.0	12/10/15 20:13	
2,4-DCAA (S)	%.	89	24-210	12/10/15 20:13	

LABORATORY CONTROL SAMPLE: 1440845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2.5	2.7	109	55-141	
2,4,5-TP (Silvex)	ug/L	2.5	2.7	109	58-126	
2,4-D	ug/L	2.5	2.7	110	55-133	
2,4-DCAA (S)	%.			104	24-210	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1440846 1440847

Parameter	Units	50134000001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/L	ND	5.1	5.1	5.6	5.4	110	105	35-164	4	20	
2,4,5-TP (Silvex)	ug/L	ND	5.1	5.1	5.8	5.4	113	106	39-161	6	20	
2,4-D	ug/L	ND	5.1	5.1	5.9	5.6	116	111	32-169	4	20	
2,4-DCAA (S)	%.						99	89	24-210			

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41681 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

METHOD BLANK: 1435639 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	12/02/15 16:29	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	12/02/15 16:29	
1,3,5-Trinitrobenzene	ug/L	ND	20.0	12/02/15 16:29	
1,3-Dinitrobenzene	ug/L	ND	50.0	12/02/15 16:29	
1,4-Naphthoquinone	ug/L	ND	50.0	12/02/15 16:29	
1-Naphthalenamine	ug/L	ND	50.0	12/02/15 16:29	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	12/02/15 16:29	
2,4,5-Trichlorophenol	ug/L	ND	10.0	12/02/15 16:29	
2,4,6-Trichlorophenol	ug/L	ND	10.0	12/02/15 16:29	
2,4-Dichlorophenol	ug/L	ND	10.0	12/02/15 16:29	
2,4-Dimethylphenol	ug/L	ND	10.0	12/02/15 16:29	
2,4-Dinitrophenol	ug/L	ND	50.0	12/02/15 16:29	
2,4-Dinitrotoluene	ug/L	ND	10.0	12/02/15 16:29	
2,6-Dichlorophenol	ug/L	ND	10.0	12/02/15 16:29	
2,6-Dinitrotoluene	ug/L	ND	10.0	12/02/15 16:29	
2-Acetylaminofluorene	ug/L	ND	10.0	12/02/15 16:29	
2-Chloronaphthalene	ug/L	ND	10.0	12/02/15 16:29	
2-Chlorophenol	ug/L	ND	10.0	12/02/15 16:29	
2-Methylnaphthalene	ug/L	ND	10.0	12/02/15 16:29	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	12/02/15 16:29	
2-Naphthalenamine	ug/L	ND	10.0	12/02/15 16:29	
2-Nitroaniline	ug/L	ND	50.0	12/02/15 16:29	
2-Nitrophenol	ug/L	ND	10.0	12/02/15 16:29	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	12/02/15 16:29	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	12/02/15 16:29	
3,3'-Dimethylbenzidine	ug/L	ND	20.0	12/02/15 16:29	
3-Methylcholanthrene	ug/L	ND	10.0	12/02/15 16:29	
3-Nitroaniline	ug/L	ND	50.0	12/02/15 16:29	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	12/02/15 16:29	
4-Aminobiphenyl	ug/L	ND	10.0	12/02/15 16:29	
4-Bromophenylphenyl ether	ug/L	ND	10.0	12/02/15 16:29	
4-Chloro-3-methylphenol	ug/L	ND	10.0	12/02/15 16:29	
4-Chloroaniline	ug/L	ND	10.0	12/02/15 16:29	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	12/02/15 16:29	
4-Nitroaniline	ug/L	ND	50.0	12/02/15 16:29	
4-Nitrophenol	ug/L	ND	50.0	12/02/15 16:29	
5-Nitro-o-toluidine	ug/L	ND	10.0	12/02/15 16:29	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	20.0	12/02/15 16:29	
Acenaphthene	ug/L	ND	10.0	12/02/15 16:29	
Acenaphthylene	ug/L	ND	10.0	12/02/15 16:29	
Acetophenone	ug/L	ND	10.0	12/02/15 16:29	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1435639 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	ND	10.0	12/02/15 16:29	
Benzo(a)anthracene	ug/L	ND	10.0	12/02/15 16:29	
Benzo(a)pyrene	ug/L	ND	10.0	12/02/15 16:29	
Benzo(b)fluoranthene	ug/L	ND	10.0	12/02/15 16:29	
Benzo(g,h,i)perylene	ug/L	ND	10.0	12/02/15 16:29	
Benzo(k)fluoranthene	ug/L	ND	10.0	12/02/15 16:29	
Benzyl alcohol	ug/L	ND	10.0	12/02/15 16:29	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	12/02/15 16:29	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	12/02/15 16:29	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	12/02/15 16:29	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	12/02/15 16:29	
Butylbenzylphthalate	ug/L	ND	10.0	12/02/15 16:29	
Chlorobenzilate	ug/L	ND	10.0	12/02/15 16:29	
Chrysene	ug/L	ND	10.0	12/02/15 16:29	
Di-n-butylphthalate	ug/L	ND	10.0	12/02/15 16:29	
Di-n-octylphthalate	ug/L	ND	10.0	12/02/15 16:29	
Diallate	ug/L	ND	10.0	12/02/15 16:29	
Dibenz(a,h)anthracene	ug/L	ND	10.0	12/02/15 16:29	
Dibenzofuran	ug/L	ND	10.0	12/02/15 16:29	
Diethylphthalate	ug/L	ND	10.0	12/02/15 16:29	
Dimethoate	ug/L	ND	10.0	12/02/15 16:29	
Dimethylphthalate	ug/L	ND	10.0	12/02/15 16:29	
Dinoseb	ug/L	ND	10.0	12/02/15 16:29	
Diphenylamine	ug/L	ND	10.0	12/02/15 16:29	
Disulfoton	ug/L	ND	10.0	12/02/15 16:29	
Ethyl methanesulfonate	ug/L	ND	10.0	12/02/15 16:29	
Famphur	ug/L	ND	200	12/02/15 16:29	
Fluoranthene	ug/L	ND	10.0	12/02/15 16:29	
Fluorene	ug/L	ND	10.0	12/02/15 16:29	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	12/02/15 16:29	
Hexachlorobenzene	ug/L	ND	10.0	12/02/15 16:29	
Hexachlorocyclopentadiene	ug/L	ND	10.0	12/02/15 16:29	
Hexachloroethane	ug/L	ND	10.0	12/02/15 16:29	
Hexachloropropene	ug/L	ND	10.0	12/02/15 16:29	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	12/02/15 16:29	
Isodrin	ug/L	ND	10.0	12/02/15 16:29	
Isophorone	ug/L	ND	10.0	12/02/15 16:29	
Isosafrole	ug/L	ND	10.0	12/02/15 16:29	
Kepone	ug/L	ND	200	12/02/15 16:29	
Methapyrilene	ug/L	ND	10.0	12/02/15 16:29	
Methyl methanesulfonate	ug/L	ND	10.0	12/02/15 16:29	
Methyl parathion	ug/L	ND	10.0	12/02/15 16:29	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	12/02/15 16:29	
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	12/02/15 16:29	
N-Nitrosodiethylamine	ug/L	ND	10.0	12/02/15 16:29	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1435639 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitrosodimethylamine	ug/L	ND	10.0	12/02/15 16:29	
N-Nitrosodiphenylamine	ug/L	ND	10.0	12/02/15 16:29	
N-Nitrosomethylethylamine	ug/L	ND	10.0	12/02/15 16:29	
N-Nitrosopiperidine	ug/L	ND	10.0	12/02/15 16:29	
N-Nitrosopyrrolidine	ug/L	ND	10.0	12/02/15 16:29	
Naphthalene	ug/L	ND	10.0	12/02/15 16:29	
Nitrobenzene	ug/L	ND	10.0	12/02/15 16:29	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	12/02/15 16:29	
O-Toluidine	ug/L	ND	10.0	12/02/15 16:29	
P-Dimethylaminoazobenzene	ug/L	ND	10.0	12/02/15 16:29	
p-Phenylenediamine	ug/L	ND	20.0	12/02/15 16:29	
Parathion (Ethyl parathion)	ug/L	ND	10.0	12/02/15 16:29	
Pentachlorobenzene	ug/L	ND	10.0	12/02/15 16:29	
Pentachloronitrobenzene	ug/L	ND	10.0	12/02/15 16:29	
Pentachlorophenol	ug/L	ND	50.0	12/02/15 16:29	
Phenacetin	ug/L	ND	10.0	12/02/15 16:29	
Phenanthrene	ug/L	ND	10.0	12/02/15 16:29	
Phenol	ug/L	ND	10.0	12/02/15 16:29	
Phorate	ug/L	ND	10.0	12/02/15 16:29	
Pronamide	ug/L	ND	10.0	12/02/15 16:29	
Pyrene	ug/L	ND	10.0	12/02/15 16:29	
Safrole	ug/L	ND	10.0	12/02/15 16:29	
Thionazin	ug/L	ND	10.0	12/02/15 16:29	
2,4,6-Tribromophenol (S)	%.	100	29-158	12/02/15 16:29	
2-Fluorobiphenyl (S)	%.	87	33-114	12/02/15 16:29	
2-Fluorophenol (S)	%.	60	11-79	12/02/15 16:29	
Nitrobenzene-d5 (S)	%.	102	38-124	12/02/15 16:29	
p-Terphenyl-d14 (S)	%.	87	10-113	12/02/15 16:29	
Phenol-d5 (S)	%.	40	10-58	12/02/15 16:29	

LABORATORY CONTROL SAMPLE: 1435640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	100	87.2	87	27-128	
1,2,4-Trichlorobenzene	ug/L	100	70.2	70	15-121	
1,3-Dinitrobenzene	ug/L	100	144	144	10-200	
2,4,5-Trichlorophenol	ug/L	100	125	125	54-154	
2,4,6-Trichlorophenol	ug/L	100	127	127	54-158	
2,4-Dichlorophenol	ug/L	100	118	118	49-137	
2,4-Dimethylphenol	ug/L	100	105	105	40-125	
2,4-Dinitrophenol	ug/L	100	91.4	91	10-175	
2,4-Dinitrotoluene	ug/L	100	133	133	41-163	
2,6-Dinitrotoluene	ug/L	100	130	130	61-158	
2-Chloronaphthalene	ug/L	100	97.6	98	37-124	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1435640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorophenol	ug/L	100	90.5	91	30-119	
2-Methylnaphthalene	ug/L	100	76.1	76	32-117	
2-Methylphenol(o-Cresol)	ug/L	100	83.8	84	32-101	
2-Nitroaniline	ug/L	100	131	131	70-153	
2-Nitrophenol	ug/L	100	119	119	51-149	
3&4-Methylphenol(m&p Cresol)	ug/L	100	76.0	76	31-93	
3,3'-Dichlorobenzidine	ug/L	100	130	130	60-158	
3-Nitroaniline	ug/L	100	111	111	50-140	
4,6-Dinitro-2-methylphenol	ug/L	100	121	121	36-178	
4-Bromophenylphenyl ether	ug/L	100	126	126	51-172	
4-Chloro-3-methylphenol	ug/L	100	111	111	32-142	
4-Chloroaniline	ug/L	100	76.6	77	45-120	
4-Chlorophenylphenyl ether	ug/L	100	125	125	50-142	
4-Nitroaniline	ug/L	100	126	126	49-147	
4-Nitrophenol	ug/L	100	56.7	57	10-103	
Acenaphthene	ug/L	100	111	111	40-136	
Acenaphthylene	ug/L	100	112	112	42-139	
Acetophenone	ug/L	100	108	108	32-138	
Anthracene	ug/L	100	131	131	56-155	
Benzo(a)anthracene	ug/L	100	128	128	54-157	
Benzo(a)pyrene	ug/L	100	138	138	51-170	
Benzo(b)fluoranthene	ug/L	100	139	139	52-172	
Benzo(g,h,i)perylene	ug/L	100	123	123	33-173	
Benzo(k)fluoranthene	ug/L	100	138	138	52-167	
Benzyl alcohol	ug/L	100	82.0	82	24-86	
bis(2-Chloroethoxy)methane	ug/L	100	108	108	57-131	
bis(2-Chloroethyl) ether	ug/L	100	100	100	55-123	
bis(2-Chloroisopropyl) ether	ug/L	100	91.9	92	46-124	
bis(2-Ethylhexyl)phthalate	ug/L	100	128	128	69-168	
Butylbenzylphthalate	ug/L	100	133	133	67-168	
Chrysene	ug/L	100	127	127	55-158	
Di-n-butylphthalate	ug/L	100	125	125	58-159	
Di-n-octylphthalate	ug/L	100	139	139	63-176	
Dibenz(a,h)anthracene	ug/L	100	133	133	46-179	
Dibenzofuran	ug/L	100	121	121	44-138	
Diethylphthalate	ug/L	100	131	131	56-149	
Dimethylphthalate	ug/L	100	126	126	56-146	
Fluoranthene	ug/L	100	135	135	58-157	
Fluorene	ug/L	100	125	125	46-148	
Hexachloro-1,3-butadiene	ug/L	100	63.7	64	10-123	
Hexachlorobenzene	ug/L	100	137	137	63-157	
Hexachlorocyclopentadiene	ug/L	100	53.4	53	10-114	
Hexachloroethane	ug/L	100	61.3	61	14-102	
Indeno(1,2,3-cd)pyrene	ug/L	100	132	132	48-174	
Isophorone	ug/L	100	117	117	59-134	
N-Nitroso-di-n-propylamine	ug/L	100	104	104	40-135	
N-Nitrosodimethylamine	ug/L	100	60.8	61	10-200	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1435640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitrosodiphenylamine	ug/L	100	129	129	64-142	
Naphthalene	ug/L	100	84.2	84	38-113	
Nitrobenzene	ug/L	100	113	113	61-138	
Pentachlorophenol	ug/L	100	99.8	100	27-177	
Phenanthrene	ug/L	100	130	130	57-154	
Phenol	ug/L	100	46.1	46	11-61	
Pyrene	ug/L	100	139	139	53-160	
2,4,6-Tribromophenol (S)	%.			117	29-158	
2-Fluorobiphenyl (S)	%.			111	33-114	
2-Fluorophenol (S)	%.			63	11-79	
Nitrobenzene-d5 (S)	%.			111	38-124	
p-Terphenyl-d14 (S)	%.			78	10-113	
Phenol-d5 (S)	%.			45	10-58	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41725 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

METHOD BLANK: 1437890 Matrix: Water
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	12/09/15 15:41	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	12/09/15 15:41	
1,3,5-Trinitrobenzene	ug/L	ND	20.0	12/09/15 15:41	
1,3-Dinitrobenzene	ug/L	ND	50.0	12/09/15 15:41	
1,4-Naphthoquinone	ug/L	ND	50.0	12/09/15 15:41	
1-Naphthalenamine	ug/L	ND	50.0	12/09/15 15:41	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	12/09/15 15:41	
2,4,5-Trichlorophenol	ug/L	ND	10.0	12/09/15 15:41	
2,4,6-Trichlorophenol	ug/L	ND	10.0	12/09/15 15:41	
2,4-Dichlorophenol	ug/L	ND	10.0	12/09/15 15:41	
2,4-Dimethylphenol	ug/L	ND	10.0	12/09/15 15:41	
2,4-Dinitrophenol	ug/L	ND	50.0	12/09/15 15:41	
2,4-Dinitrotoluene	ug/L	ND	10.0	12/09/15 15:41	
2,6-Dichlorophenol	ug/L	ND	10.0	12/09/15 15:41	
2,6-Dinitrotoluene	ug/L	ND	10.0	12/09/15 15:41	
2-Acetylaminofluorene	ug/L	ND	10.0	12/09/15 15:41	
2-Chloronaphthalene	ug/L	ND	10.0	12/09/15 15:41	
2-Chlorophenol	ug/L	ND	10.0	12/09/15 15:41	
2-Methylnaphthalene	ug/L	ND	10.0	12/09/15 15:41	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	12/09/15 15:41	
2-Naphthalenamine	ug/L	ND	10.0	12/09/15 15:41	
2-Nitroaniline	ug/L	ND	50.0	12/09/15 15:41	
2-Nitrophenol	ug/L	ND	10.0	12/09/15 15:41	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	12/09/15 15:41	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	12/09/15 15:41	
3,3'-Dimethylbenzidine	ug/L	ND	20.0	12/09/15 15:41	
3-Methylcholanthrene	ug/L	ND	10.0	12/09/15 15:41	
3-Nitroaniline	ug/L	ND	50.0	12/09/15 15:41	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	12/09/15 15:41	
4-Aminobiphenyl	ug/L	ND	10.0	12/09/15 15:41	
4-Bromophenylphenyl ether	ug/L	ND	10.0	12/09/15 15:41	
4-Chloro-3-methylphenol	ug/L	ND	10.0	12/09/15 15:41	
4-Chloroaniline	ug/L	ND	10.0	12/09/15 15:41	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	12/09/15 15:41	
4-Nitroaniline	ug/L	ND	50.0	12/09/15 15:41	
4-Nitrophenol	ug/L	ND	50.0	12/09/15 15:41	
5-Nitro-o-toluidine	ug/L	ND	10.0	12/09/15 15:41	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	20.0	12/09/15 15:41	
Acenaphthene	ug/L	ND	10.0	12/09/15 15:41	
Acenaphthylene	ug/L	ND	10.0	12/09/15 15:41	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1437890 Matrix: Water
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acetophenone	ug/L	ND	10.0	12/09/15 15:41	
Anthracene	ug/L	ND	10.0	12/09/15 15:41	
Benzo(a)anthracene	ug/L	ND	10.0	12/09/15 15:41	
Benzo(a)pyrene	ug/L	ND	10.0	12/09/15 15:41	
Benzo(b)fluoranthene	ug/L	ND	10.0	12/09/15 15:41	
Benzo(g,h,i)perylene	ug/L	ND	10.0	12/09/15 15:41	
Benzo(k)fluoranthene	ug/L	ND	10.0	12/09/15 15:41	
Benzyl alcohol	ug/L	ND	10.0	12/09/15 15:41	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	12/09/15 15:41	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	12/09/15 15:41	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	12/09/15 15:41	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	12/09/15 15:41	
Butylbenzylphthalate	ug/L	ND	10.0	12/09/15 15:41	
Chlorobenzilate	ug/L	ND	10.0	12/09/15 15:41	
Chrysene	ug/L	ND	10.0	12/09/15 15:41	
Di-n-butylphthalate	ug/L	ND	10.0	12/09/15 15:41	
Di-n-octylphthalate	ug/L	ND	10.0	12/09/15 15:41	
Diallate	ug/L	ND	10.0	12/09/15 15:41	
Dibenz(a,h)anthracene	ug/L	ND	10.0	12/09/15 15:41	
Dibenzofuran	ug/L	ND	10.0	12/09/15 15:41	
Diethylphthalate	ug/L	ND	10.0	12/09/15 15:41	
Dimethoate	ug/L	ND	10.0	12/09/15 15:41	
Dimethylphthalate	ug/L	ND	10.0	12/09/15 15:41	
Dinoseb	ug/L	ND	10.0	12/09/15 15:41	
Diphenylamine	ug/L	ND	10.0	12/09/15 15:41	
Disulfoton	ug/L	ND	10.0	12/09/15 15:41	
Ethyl methanesulfonate	ug/L	ND	10.0	12/09/15 15:41	
Famphur	ug/L	ND	200	12/09/15 15:41	
Fluoranthene	ug/L	ND	10.0	12/09/15 15:41	
Fluorene	ug/L	ND	10.0	12/09/15 15:41	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	12/09/15 15:41	
Hexachlorobenzene	ug/L	ND	10.0	12/09/15 15:41	
Hexachlorocyclopentadiene	ug/L	ND	10.0	12/09/15 15:41	
Hexachloroethane	ug/L	ND	10.0	12/09/15 15:41	
Hexachloropropene	ug/L	ND	10.0	12/09/15 15:41	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	12/09/15 15:41	
Isodrin	ug/L	ND	10.0	12/09/15 15:41	
Isophorone	ug/L	ND	10.0	12/09/15 15:41	
Isosafrole	ug/L	ND	10.0	12/09/15 15:41	
Kepone	ug/L	ND	200	12/09/15 15:41	
Methapyrilene	ug/L	ND	10.0	12/09/15 15:41	
Methyl methanesulfonate	ug/L	ND	10.0	12/09/15 15:41	
Methyl parathion	ug/L	ND	10.0	12/09/15 15:41	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	12/09/15 15:41	
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	12/09/15 15:41	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1437890 Matrix: Water

Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitrosodiethylamine	ug/L	ND	10.0	12/09/15 15:41	
N-Nitrosodimethylamine	ug/L	ND	10.0	12/09/15 15:41	
N-Nitrosodiphenylamine	ug/L	ND	10.0	12/09/15 15:41	
N-Nitrosomethylethylamine	ug/L	ND	10.0	12/09/15 15:41	
N-Nitrosopiperidine	ug/L	ND	10.0	12/09/15 15:41	
N-Nitrosopyrrolidine	ug/L	ND	10.0	12/09/15 15:41	
Naphthalene	ug/L	ND	10.0	12/09/15 15:41	
Nitrobenzene	ug/L	ND	10.0	12/09/15 15:41	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	12/09/15 15:41	
O-Toluidine	ug/L	ND	10.0	12/09/15 15:41	
P-Dimethylaminoazobenzene	ug/L	ND	10.0	12/09/15 15:41	
p-Phenylenediamine	ug/L	ND	20.0	12/09/15 15:41	
Parathion (Ethyl parathion)	ug/L	ND	10.0	12/09/15 15:41	
Pentachlorobenzene	ug/L	ND	10.0	12/09/15 15:41	
Pentachloronitrobenzene	ug/L	ND	10.0	12/09/15 15:41	
Pentachlorophenol	ug/L	ND	50.0	12/09/15 15:41	
Phenacetin	ug/L	ND	10.0	12/09/15 15:41	
Phenanthrene	ug/L	ND	10.0	12/09/15 15:41	
Phenol	ug/L	ND	10.0	12/09/15 15:41	
Phorate	ug/L	ND	10.0	12/09/15 15:41	
Pronamide	ug/L	ND	10.0	12/09/15 15:41	
Pyrene	ug/L	ND	10.0	12/09/15 15:41	
Safrole	ug/L	ND	10.0	12/09/15 15:41	
Thionazin	ug/L	ND	10.0	12/09/15 15:41	
2,4,6-Tribromophenol (S)	%.	81	29-158	12/09/15 15:41	E
2-Fluorobiphenyl (S)	%.	71	33-114	12/09/15 15:41	E
2-Fluorophenol (S)	%.	45	11-79	12/09/15 15:41	E
Nitrobenzene-d5 (S)	%.	89	38-124	12/09/15 15:41	E
p-Terphenyl-d14 (S)	%.	77	10-113	12/09/15 15:41	E
Phenol-d5 (S)	%.	37	10-58	12/09/15 15:41	E

LABORATORY CONTROL SAMPLE: 1437891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	1000	848	85	27-128	E
1,2,4-Trichlorobenzene	ug/L	1000	768	77	15-121	E
1,3-Dinitrobenzene	ug/L	1000	896	90	10-200	E
2,3,4,6-Tetrachlorophenol	ug/L	1000	1080	108	55-167	E
2,4,5-Trichlorophenol	ug/L	1000	847	85	54-154	E
2,4,6-Trichlorophenol	ug/L	1000	868	87	54-158	E
2,4-Dichlorophenol	ug/L	1000	828	83	49-137	E
2,4-Dimethylphenol	ug/L	1000	746	75	40-125	E
2,4-Dinitrophenol	ug/L	1000	660	66	10-175	E

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1437891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	1000	863	86	41-163	E
2,6-Dinitrotoluene	ug/L	1000	855	85	61-158	E
2-Chloronaphthalene	ug/L	1000	808	81	37-124	E
2-Chlorophenol	ug/L	1000	732	73	30-119	E
2-Methylnaphthalene	ug/L	1000	793	79	32-117	E
2-Methylphenol(o-Cresol)	ug/L	1000	737	74	32-101	E
2-Nitroaniline	ug/L	1000	941	94	70-153	E
2-Nitrophenol	ug/L	1000	918	92	51-149	E
3&4-Methylphenol(m&p Cresol)	ug/L	1000	669	67	31-93	E
3,3'-Dichlorobenzidine	ug/L	1000	742	74	60-158	E
3-Nitroaniline	ug/L	1000	588	59	50-140	E
4,6-Dinitro-2-methylphenol	ug/L	1000	907	91	36-178	E
4-Bromophenylphenyl ether	ug/L	1000	894	89	51-172	E
4-Chloro-3-methylphenol	ug/L	1000	909	91	32-142	E
4-Chloroaniline	ug/L	1000	564	56	45-120	E
4-Chlorophenylphenyl ether	ug/L	1000	838	84	50-142	E
4-Nitroaniline	ug/L	1000	674	67	49-147	E
4-Nitrophenol	ug/L	1000	2520	252	10-103	E,L3
Acenaphthene	ug/L	1000	806	81	40-136	E
Acenaphthylene	ug/L	1000	809	81	42-139	E
Acetophenone	ug/L	1000	829	83	32-138	E
Anthracene	ug/L	1000	828	83	56-155	E
Benzo(a)anthracene	ug/L	1000	868	87	54-157	E
Benzo(a)pyrene	ug/L	1000	947	95	51-170	E
Benzo(b)fluoranthene	ug/L	1000	1300	130	52-172	E
Benzo(g,h,i)perylene	ug/L	1000	748	75	33-173	E
Benzo(k)fluoranthene	ug/L	1000	688	69	52-167	E
Benzyl alcohol	ug/L	1000	789	79	24-86	E
bis(2-Chloroethoxy)methane	ug/L	1000	730	73	57-131	E
bis(2-Chloroethyl) ether	ug/L	1000	765	77	55-123	E
bis(2-Chloroisopropyl) ether	ug/L	1000	903	90	46-124	E
bis(2-Ethylhexyl)phthalate	ug/L	1000	888	89	69-168	E
Butylbenzylphthalate	ug/L	1000	877	88	67-168	E
Chrysene	ug/L	1000	857	86	55-158	E
Di-n-butylphthalate	ug/L	1000	808	81	58-159	E
Di-n-octylphthalate	ug/L	1000	987	99	63-176	E
Dibenz(a,h)anthracene	ug/L	1000	728	73	46-179	E
Dibenzofuran	ug/L	1000	821	82	44-138	E
Diethylphthalate	ug/L	1000	752	75	56-149	E
Dimethylphthalate	ug/L	1000	776	78	56-146	E
Fluoranthene	ug/L	1000	830	83	58-157	E
Fluorene	ug/L	1000	829	83	46-148	E
Hexachloro-1,3-butadiene	ug/L	1000	752	75	10-123	E
Hexachlorobenzene	ug/L	1000	995	100	63-157	E
Hexachlorocyclopentadiene	ug/L	1000	672	67	10-114	E
Hexachloroethane	ug/L	1000	606	61	14-102	E
Indeno(1,2,3-cd)pyrene	ug/L	1000	735	74	48-174	E

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1437891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isophorone	ug/L	1000	857	86	59-134	E
N-Nitroso-di-n-propylamine	ug/L	1000	676	68	40-135	E
N-Nitrosodimethylamine	ug/L	1000	422	42	10-200	E
N-Nitrosodiphenylamine	ug/L	1000	874	87	64-142	E
Naphthalene	ug/L	1000	774	77	38-113	E
Nitrobenzene	ug/L	1000	870	87	61-138	E
Pentachlorophenol	ug/L	1000	907	91	27-177	E
Phenanthrene	ug/L	1000	814	81	57-154	E
Phenol	ug/L	1000	469	47	11-61	E
Pyrene	ug/L	1000	911	91	53-160	E
2,4,6-Tribromophenol (S)	%.			95	29-158	E
2-Fluorobiphenyl (S)	%.			79	33-114	E
2-Fluorophenol (S)	%.			58	11-79	E
Nitrobenzene-d5 (S)	%.			88	38-124	E
p-Terphenyl-d14 (S)	%.			77	10-113	E
Phenol-d5 (S)	%.			46	10-58	E

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: OEXT/41739 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1439137 Matrix: Water
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	12/09/15 19:01	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	12/09/15 19:01	
1,3,5-Trinitrobenzene	ug/L	ND	20.0	12/09/15 19:01	
1,3-Dinitrobenzene	ug/L	ND	50.0	12/09/15 19:01	
1,4-Naphthoquinone	ug/L	ND	50.0	12/09/15 19:01	
1-Naphthalenamine	ug/L	ND	50.0	12/09/15 19:01	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	12/09/15 19:01	
2,4,5-Trichlorophenol	ug/L	ND	10.0	12/09/15 19:01	
2,4,6-Trichlorophenol	ug/L	ND	10.0	12/09/15 19:01	
2,4-Dichlorophenol	ug/L	ND	10.0	12/09/15 19:01	
2,4-Dimethylphenol	ug/L	ND	10.0	12/09/15 19:01	
2,4-Dinitrophenol	ug/L	ND	50.0	12/09/15 19:01	
2,4-Dinitrotoluene	ug/L	ND	10.0	12/09/15 19:01	
2,6-Dichlorophenol	ug/L	ND	10.0	12/09/15 19:01	
2,6-Dinitrotoluene	ug/L	ND	10.0	12/09/15 19:01	
2-Acetylaminofluorene	ug/L	ND	10.0	12/09/15 19:01	
2-Chloronaphthalene	ug/L	ND	10.0	12/09/15 19:01	
2-Chlorophenol	ug/L	ND	10.0	12/09/15 19:01	
2-Methylnaphthalene	ug/L	ND	10.0	12/09/15 19:01	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	12/09/15 19:01	
2-Naphthalenamine	ug/L	ND	10.0	12/09/15 19:01	
2-Nitroaniline	ug/L	ND	50.0	12/09/15 19:01	
2-Nitrophenol	ug/L	ND	10.0	12/09/15 19:01	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	12/09/15 19:01	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	12/09/15 19:01	
3,3'-Dimethylbenzidine	ug/L	ND	20.0	12/09/15 19:01	
3-Methylcholanthrene	ug/L	ND	10.0	12/09/15 19:01	
3-Nitroaniline	ug/L	ND	50.0	12/09/15 19:01	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	12/09/15 19:01	
4-Aminobiphenyl	ug/L	ND	10.0	12/09/15 19:01	
4-Bromophenylphenyl ether	ug/L	ND	10.0	12/09/15 19:01	
4-Chloro-3-methylphenol	ug/L	ND	10.0	12/09/15 19:01	
4-Chloroaniline	ug/L	ND	10.0	12/09/15 19:01	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	12/09/15 19:01	
4-Nitroaniline	ug/L	ND	50.0	12/09/15 19:01	
4-Nitrophenol	ug/L	ND	50.0	12/09/15 19:01	
5-Nitro-o-toluidine	ug/L	ND	10.0	12/09/15 19:01	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	20.0	12/09/15 19:01	
Acenaphthene	ug/L	ND	10.0	12/09/15 19:01	
Acenaphthylene	ug/L	ND	10.0	12/09/15 19:01	
Acetophenone	ug/L	ND	10.0	12/09/15 19:01	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1439137 Matrix: Water
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	ND	10.0	12/09/15 19:01	
Benzo(a)anthracene	ug/L	ND	10.0	12/09/15 19:01	
Benzo(a)pyrene	ug/L	ND	10.0	12/09/15 19:01	
Benzo(b)fluoranthene	ug/L	ND	10.0	12/09/15 19:01	
Benzo(g,h,i)perylene	ug/L	ND	10.0	12/09/15 19:01	
Benzo(k)fluoranthene	ug/L	ND	10.0	12/09/15 19:01	
Benzyl alcohol	ug/L	ND	10.0	12/09/15 19:01	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	12/09/15 19:01	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	12/09/15 19:01	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	12/09/15 19:01	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	12/09/15 19:01	
Butylbenzylphthalate	ug/L	ND	10.0	12/09/15 19:01	
Chlorobenzilate	ug/L	ND	10.0	12/09/15 19:01	
Chrysene	ug/L	ND	10.0	12/09/15 19:01	
Di-n-butylphthalate	ug/L	ND	10.0	12/09/15 19:01	
Di-n-octylphthalate	ug/L	ND	10.0	12/09/15 19:01	
Diallate	ug/L	ND	10.0	12/09/15 19:01	
Dibenz(a,h)anthracene	ug/L	ND	10.0	12/09/15 19:01	
Dibenzofuran	ug/L	ND	10.0	12/09/15 19:01	
Diethylphthalate	ug/L	ND	10.0	12/09/15 19:01	
Dimethoate	ug/L	ND	10.0	12/09/15 19:01	
Dimethylphthalate	ug/L	ND	10.0	12/09/15 19:01	
Dinoseb	ug/L	ND	10.0	12/09/15 19:01	
Diphenylamine	ug/L	ND	10.0	12/09/15 19:01	
Disulfoton	ug/L	ND	10.0	12/09/15 19:01	
Ethyl methanesulfonate	ug/L	ND	10.0	12/09/15 19:01	
Famphur	ug/L	ND	200	12/09/15 19:01	
Fluoranthene	ug/L	ND	10.0	12/09/15 19:01	
Fluorene	ug/L	ND	10.0	12/09/15 19:01	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	12/09/15 19:01	
Hexachlorobenzene	ug/L	ND	10.0	12/09/15 19:01	
Hexachlorocyclopentadiene	ug/L	ND	10.0	12/09/15 19:01	
Hexachloroethane	ug/L	ND	10.0	12/09/15 19:01	
Hexachloropropene	ug/L	ND	10.0	12/09/15 19:01	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	12/09/15 19:01	
Isodrin	ug/L	ND	10.0	12/09/15 19:01	
Isophorone	ug/L	ND	10.0	12/09/15 19:01	
Isosafrole	ug/L	ND	10.0	12/09/15 19:01	
Kepone	ug/L	ND	200	12/09/15 19:01	
Methapyrilene	ug/L	ND	10.0	12/09/15 19:01	
Methyl methanesulfonate	ug/L	ND	10.0	12/09/15 19:01	
Methyl parathion	ug/L	ND	10.0	12/09/15 19:01	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	12/09/15 19:01	
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	12/09/15 19:01	
N-Nitrosodiethylamine	ug/L	ND	10.0	12/09/15 19:01	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

METHOD BLANK: 1439137 Matrix: Water
Associated Lab Samples: 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitrosodimethylamine	ug/L	ND	10.0	12/09/15 19:01	
N-Nitrosodiphenylamine	ug/L	ND	10.0	12/09/15 19:01	
N-Nitrosomethylethylamine	ug/L	ND	10.0	12/09/15 19:01	
N-Nitrosopiperidine	ug/L	ND	10.0	12/09/15 19:01	
N-Nitrosopyrrolidine	ug/L	ND	10.0	12/09/15 19:01	
Naphthalene	ug/L	ND	10.0	12/09/15 19:01	
Nitrobenzene	ug/L	ND	10.0	12/09/15 19:01	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	12/09/15 19:01	
O-Toluidine	ug/L	ND	10.0	12/09/15 19:01	
P-Dimethylaminoazobenzene	ug/L	ND	10.0	12/09/15 19:01	
p-Phenylenediamine	ug/L	ND	20.0	12/09/15 19:01	
Parathion (Ethyl parathion)	ug/L	ND	10.0	12/09/15 19:01	
Pentachlorobenzene	ug/L	ND	10.0	12/09/15 19:01	
Pentachloronitrobenzene	ug/L	ND	10.0	12/09/15 19:01	
Pentachlorophenol	ug/L	ND	50.0	12/09/15 19:01	
Phenacetin	ug/L	ND	10.0	12/09/15 19:01	
Phenanthrene	ug/L	ND	10.0	12/09/15 19:01	
Phenol	ug/L	ND	10.0	12/09/15 19:01	
Phorate	ug/L	ND	10.0	12/09/15 19:01	
Pronamide	ug/L	ND	10.0	12/09/15 19:01	
Pyrene	ug/L	ND	10.0	12/09/15 19:01	
Safrole	ug/L	ND	10.0	12/09/15 19:01	
Thionazin	ug/L	ND	10.0	12/09/15 19:01	
2,4,6-Tribromophenol (S)	%.	77	29-158	12/09/15 19:01	
2-Fluorobiphenyl (S)	%.	76	33-114	12/09/15 19:01	
2-Fluorophenol (S)	%.	51	11-79	12/09/15 19:01	
Nitrobenzene-d5 (S)	%.	91	38-124	12/09/15 19:01	
p-Terphenyl-d14 (S)	%.	85	10-113	12/09/15 19:01	
Phenol-d5 (S)	%.	33	10-58	12/09/15 19:01	

LABORATORY CONTROL SAMPLE: 1439138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	100	90.4	90	27-128	
1,2,4-Trichlorobenzene	ug/L	100	65.6	66	15-121	
1,3-Dinitrobenzene	ug/L	100	104	104	10-200	
2,3,4,6-Tetrachlorophenol	ug/L	100	125	125	55-167	
2,4,5-Trichlorophenol	ug/L	100	91.6	92	54-154	
2,4,6-Trichlorophenol	ug/L	100	96.7	97	54-158	
2,4-Dichlorophenol	ug/L	100	77.9	78	49-137	
2,4-Dimethylphenol	ug/L	100	66.3	66	40-125	
2,4-Dinitrophenol	ug/L	100	25J	25	10-175	
2,4-Dinitrotoluene	ug/L	100	107	107	41-163	
2,6-Dinitrotoluene	ug/L	100	109	109	61-158	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1439138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	100	89.7	90	37-124	
2-Chlorophenol	ug/L	100	59.8	60	30-119	
2-Methylnaphthalene	ug/L	100	73.2	73	32-117	
2-Methylphenol(o-Cresol)	ug/L	100	57.2	57	32-101	
2-Nitroaniline	ug/L	100	113	113	70-153	
2-Nitrophenol	ug/L	100	88.6	89	51-149	
3&4-Methylphenol(m&p Cresol)	ug/L	100	51.2	51	31-93	
3,3'-Dichlorobenzidine	ug/L	100	99.5	99	60-158	
3-Nitroaniline	ug/L	100	95.8	96	50-140	
4,6-Dinitro-2-methylphenol	ug/L	100	52.5	53	36-178	
4-Bromophenylphenyl ether	ug/L	100	109	109	51-172	
4-Chloro-3-methylphenol	ug/L	100	80.2	80	32-142	
4-Chloroaniline	ug/L	100	65.4	65	45-120	
4-Chlorophenylphenyl ether	ug/L	100	111	111	50-142	
4-Nitroaniline	ug/L	100	83.9	84	49-147	
Acenaphthene	ug/L	100	96.8	97	40-136	
Acenaphthylene	ug/L	100	99.2	99	42-139	
Acetophenone	ug/L	100	94.8	95	32-138	
Anthracene	ug/L	100	111	111	56-155	
Benzo(a)anthracene	ug/L	100	117	117	54-157	
Benzo(a)pyrene	ug/L	100	127	127	51-170	
Benzo(b)fluoranthene	ug/L	100	130	130	52-172	
Benzo(g,h,i)perylene	ug/L	100	125	125	33-173	
Benzo(k)fluoranthene	ug/L	100	133	133	52-167	
Benzyl alcohol	ug/L	100	61.6	62	24-86	
bis(2-Chloroethoxy)methane	ug/L	100	88.1	88	57-131	
bis(2-Chloroethyl) ether	ug/L	100	87.4	87	55-123	
bis(2-Chloroisopropyl) ether	ug/L	100	98.8	99	46-124	
bis(2-Ethylhexyl)phthalate	ug/L	100	120	120	69-168	
Butylbenzylphthalate	ug/L	100	125	125	67-168	
Chrysene	ug/L	100	117	117	55-158	
Di-n-butylphthalate	ug/L	100	111	111	58-159	
Di-n-octylphthalate	ug/L	100	143	143	63-176	
Dibenz(a,h)anthracene	ug/L	100	111	111	46-179	
Dibenzofuran	ug/L	100	104	104	44-138	
Diethylphthalate	ug/L	100	110	110	56-149	
Dimethylphthalate	ug/L	100	105	105	56-146	
Fluoranthene	ug/L	100	121	121	58-157	
Fluorene	ug/L	100	105	105	46-148	
Hexachloro-1,3-butadiene	ug/L	100	57.3	57	10-123	
Hexachlorobenzene	ug/L	100	117	117	63-157	
Hexachlorocyclopentadiene	ug/L	100	37.0	37	10-114	
Hexachloroethane	ug/L	100	57.0	57	14-102	
Indeno(1,2,3-cd)pyrene	ug/L	100	115	115	48-174	
Isophorone	ug/L	100	99.0	99	59-134	
N-Nitroso-di-n-propylamine	ug/L	100	90.5	91	40-135	
N-Nitrosodimethylamine	ug/L	100	47.6	48	10-200	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

LABORATORY CONTROL SAMPLE: 1439138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitrosodiphenylamine	ug/L	100	110	110	64-142	
Naphthalene	ug/L	100	77.3	77	38-113	
Nitrobenzene	ug/L	100	99.5	100	61-138	
Pentachlorophenol	ug/L	100	55.6	56	27-177	
Phenanthrene	ug/L	100	113	113	57-154	
Phenol	ug/L	100	29.7	30	11-61	
Pyrene	ug/L	100	125	125	53-160	
2,4,6-Tribromophenol (S)	%.			80	29-158	
2-Fluorobiphenyl (S)	%.			80	33-114	
2-Fluorophenol (S)	%.			38	11-79	
Nitrobenzene-d5 (S)	%.			86	38-124	
p-Terphenyl-d14 (S)	%.			67	10-113	
Phenol-d5 (S)	%.			25	10-58	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/26106
QC Batch Method: SM 2510B
Analysis Method: SM 2510B
Analysis Description: 2510B Specific Conductance
Associated Lab Samples: 50133416016

METHOD BLANK: 1440110
Matrix: Water
Associated Lab Samples: 50133416016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	1.0	12/09/15 14:26	

LABORATORY CONTROL SAMPLE: 1440111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1410	1430	101	90-110	

SAMPLE DUPLICATE: 1440112

Parameter	Units	50133416016 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	34600	34400	1	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/25994 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

METHOD BLANK: 1436158 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	12/02/15 14:39	

LABORATORY CONTROL SAMPLE: 1436159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	288	96	80-120	

SAMPLE DUPLICATE: 1436160

Parameter	Units	50133480001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	186	172	8	10	

SAMPLE DUPLICATE: 1436161

Parameter	Units	50133498001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	29300	28600	3	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/26034 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010

METHOD BLANK: 1437433 Matrix: Water
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416009, 50133416010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	12/03/15 15:43	

LABORATORY CONTROL SAMPLE: 1437434

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	80-120	

SAMPLE DUPLICATE: 1437435

Parameter	Units	50133504001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2190	2180	1	10	

SAMPLE DUPLICATE: 1437436

Parameter	Units	50133610001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	304	302	1	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/26058 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1438243 Matrix: Water
Associated Lab Samples: 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	12/04/15 13:04	

LABORATORY CONTROL SAMPLE: 1438244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	298	99	80-120	

SAMPLE DUPLICATE: 1438246

Parameter	Units	50133656001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	15600	17900	14	10	R1

SAMPLE DUPLICATE: 1438247

Parameter	Units	50133753001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	336	323	4	10	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/26099 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416016

METHOD BLANK: 1440058 Matrix: Water
Associated Lab Samples: 50133416006, 50133416007, 50133416008, 50133416016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	12/08/15 14:23	

LABORATORY CONTROL SAMPLE: 1440059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	279	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1440060 1440061

Parameter	Units	50133504003 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	217	300	300	507	508	97	97	90-110	0	20	

MATRIX SPIKE SAMPLE: 1440502

Parameter	Units	50133416007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	1350	300	1650	98	90-110	E

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/26104 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1440097 Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	12/08/15 16:51	

LABORATORY CONTROL SAMPLE: 1440098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	100	103	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1440099 1440100

Parameter	Units	50133416001 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	100	100	89.4	90.4	89	90	90-110	1	20	M0

MATRIX SPIKE SAMPLE: 1440109

Parameter	Units	50133716006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	100	94.4	94	90-110	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/26059
QC Batch Method: SM 4500-H+B
Associated Lab Samples: 50133416016

Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH

SAMPLE DUPLICATE: 1438278

Parameter	Units	50133416016 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	5.0	5.0	0	20	H3

SAMPLE DUPLICATE: 1438413

Parameter	Units	50133769004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.7	1	20	H3

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/25987 — Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D — Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010

METHOD BLANK: 1435831 — Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	12/02/15 10:18	

LABORATORY CONTROL SAMPLE: 1435832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	.53J	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435833 1435834

Parameter	Units	50133416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	.5	.5	.51J	.52J	103	103	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WET/26050 Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1437951 Matrix: Water
Associated Lab Samples: 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	12/04/15 09:05	

LABORATORY CONTROL SAMPLE: 1437952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	.5J	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437953 1437954

Parameter	Units	50133416012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	2.5	2.5	3.3J	3.2J	103	100	90-110	2	20	

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QUALITY CONTROL DATA

Project: Bridgeton App II 4Q 2015
Pace Project No.: 50133416

QC Batch: WETA/19282 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

METHOD BLANK: 1443335 — Matrix: Water
Associated Lab Samples: 50133416001, 50133416002, 50133416003, 50133416004, 50133416006, 50133416007, 50133416008, 50133416009, 50133416010, 50133416012, 50133416013, 50133416014, 50133416016, 50133416017, 50133416018, 50133416019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	12/11/15 15:27	

LABORATORY CONTROL SAMPLE: 1443336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443337 — 1443338

Parameter	Units	50133416001 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	0.12	2	2	2.2	2.1	102	101	90-110	1	20	

MATRIX SPIKE SAMPLE: 1443339

Parameter	Units	50133773001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	27.5	20	45.9	92	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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