DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Herst Environmental Services LLC

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Ward Herst Phone: (636) 939-9111

E-mail: herstenvserv@gmail.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
BFI Waste Systems of North America, Inc. - Charlotte Motor Speedway, Landfill V	5105 Morehead Road, Concord, NC 28027	13-04	.1600	April 6, 7, 8, 11, 12, 13, 18, 2011 & May 23, 2011

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☐ Detection Monitoring ☒ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☐ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Ward Herst — Professional Geologist — (636) 939-9111

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Signature — Date: 7/14/2011

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL GEOLOGIST SEAL 7/14/2011 WARD HERST

4631 North St. Peters Parkway, St. Charles, MO 63304

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

Groundwater
Statistical Analysis Report

First Semi-Annual 2011
Sampling Event

Charlotte Motor Speedway, Landfill V
Concord, North Carolina
Permit No. 13-04

July 2011

HERST & ASSOCIATES, INC.®

4631 North St. Peters Parkway
St. Charles, Missouri 63304
Telephone: (636) 939-9111
Facsimile: (636) 939-9757

HERST & ASSOCIATES, INC.®

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND AND MONITORING NETWORK 1

3.0 SITE HYDROGEOLOGY 1

4.0 STATISTICAL PROCEDURES 1

4.1 Inter-Well Prediction Intervals 1

4.2 Trend Analysis 2

4.3 Intra-Well Confidence Intervals 2

4.4 Statistical Results Summary 4

5.0 ASSESSMENT MONITORING STATUS 4

TABLES

Table 1 Wells Analyzed
Table 2 Prediction Limit Exceedances
Table 3 Organic Detections
Table 4 First Semi-Annual 2011 Event Data Compared to GWPSs
Table 5 Water Quality Assessment Wells Data Compared to GWPSs

APPENDICES

Appendix A Potentiometric Surface Map
Appendix B Statistical Evaluations
Appendix C Laboratory Analytical Report

4631 North St. Peters Parkway
St. Charles, Missouri 63304

Telephone (636) 939-9111
Fax (636) 939-9757

1.0 INTRODUCTION

On behalf of BFI Waste Systems of North America, Inc.-Charlotte Motor Speedway, Landfill V, Herst & Associates, Inc. statistically evaluated the First Semi-Annual 2011 groundwater data. Sampling was performed by Prism Laboratories, Inc. and analytical testing was performed by Analytical Services, Inc. The statistical analysis software package utilized, *Sanitas*™, follows a documented decision logic that incorporates the following guidance document: USEPA "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance" (March 2009).

2.0 SITE BACKGROUND AND MONITORING NETWORK

Herst & Associates, Inc. statistically evaluated parameters from the First Semi-Annual 2011 event, using inter-well prediction interval analysis. Prediction intervals 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.

Background for this report is defined as all samples taken from each upgradient well. Table 1 lists the wells analyzed in this report. According to David Garrett & Associates, prior to the Second Semi-Annual 2010 event wells MW-29, MW-30, and MW-32 were abandoned due to landfill expansion activities and new replacement wells (MW-29R, MW-30R, and MW-32R) were installed (see drawing in Appendix B).

3.0 SITE HYDROGEOLOGY

Previous site investigations indicate that groundwater is present in either the saprolite, Piedmont weathered rock, or bedrock depending on location, however, the groundwater surface occurs primarily in the saprolite and weathered rock. Data suggests hydraulic connection between these units, which form the uppermost aquifer. Generally, data indicate that the groundwater flow is principally within the saprolite and Piedmont weathered rock, in the direction of the Rocky River. Locally, the vertical component of the groundwater flow may be slightly downward in topographic high areas and slightly upward in topographic low areas. In general, the configuration of the groundwater surface is similar to the topography of the site.

Appendix A provides a potentiometric surface map for the site utilizing groundwater level data from the First Semi-Annual 2011 event. Groundwater flow direction for the First Semi-Annual 2011 event was to the southwest, consistent with past events. Groundwater flow rate for the First Semi-Annual 2011 event was estimated to range from 22 feet/year to 135 feet/year. Flow rate calculations are available in Appendix A.

4.0 STATISTICAL PROCEDURES

The *Sanitas*™ program was utilized to compile and statistically evaluate the data for the First Semi-Annual 2011 sampling event. Summary tables for the inter-well prediction interval analysis are available in Appendix B.

4.1 Inter-Well Prediction Intervals

The prediction interval is a statistical method used to compare a single observation to a group of observations. The prediction interval is calculated to include observations from the same

population with a specified confidence. In groundwater monitoring, a prediction interval approach may be used to make comparisons between background and compliance data. The interval is developed to contain all future observations, within a certain probability. For the Charlotte Motor Speedway V site, inter-well prediction intervals have been developed based on a 99% confidence that future observations will fall within the range. If any future observation exceeds the prediction interval, this is considered statistically significant evidence that the observation is not representative of the background group.

During parametric prediction interval analysis, the mean and the standard deviation are calculated for the raw or transformed background data. The number of comparison observations, *K*, is defined to be included in the interval. If less than 15% of the background observations are nondetects, the nondetects are replaced with one half of the reporting limit prior to performing the analysis. If more than 15% but less than 50% of the background data are below the reporting limit, the data's sample mean and standard deviation are adjusted according to the Cohen's Adjustment. However, when the background data are not transformed-normal or contain greater than 50% observations below the reporting limit, *Sanitas*™ automatically constructs a nonparametric prediction interval. During nonparametric analysis, the highest value from the background data is used to set the upper limit of the prediction interval.

For the First Semi-Annual 2011 event, seven inorganic results exceeded inter-well prediction limits. Table 2 provides a summary of the prediction limit exceedances.

4.2 Trend Analysis

When used in conjunction with one another, the Mann-Kendall test for temporal trend and the Sen's slope estimate are two types of evaluation monitoring statistics useful in determining the significance of an apparent trend and to estimate the magnitude of that trend. Positive and negative values of Mann-Kendall statistics and critical values, respectively, relate to increasing and decreasing trends. After Herst & Associates, Inc. calculated inter-well prediction intervals, the Sen's Slope/Mann-Kendall test was performed on each inorganic constituent from each well that suggested a statistically significant increase (SSI). For the First Semi-Annual 2011 event, barium at MW-18A and MW-20B; cobalt at MW-12 and MW-22; and nickel at MW-22A are statistically trending upward. The Sen's Slope/Mann-Kendall analysis plots are presented in Appendix B. Also included in Appendix B are time series plots for each of the inorganic parameters statistically analyzed for this reporting period.

4.3 Intra-Well Confidence Intervals

Per NCDENR Regulation .1634(H), Groundwater Protection Standards (GWPSs) are equal to the National Primary Drinking Water Standard-Maximum Contaminant Level (MCL) or North Carolina 15A NCAC 2L Water Quality Standard, whichever is lower. In instances where an MCL or 2L Standard are not established, the GWPSs were derived from the NCDENR-Solid Waste Section published GWPSs.

Solid Waste Section Limit (SWSL) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy. The SWSL is the concentration below which reported analytical results must be qualified as estimated. During the First Semi-Annual 2011 sampling event, only five organic results (see Table 3) were detected at or above a SWSL. The attached Table 3 provides a summary of the organics detected, including those reported at estimated values between the method detection limit (MDL) and SWSL. During the First Semi-Annual 2011 event, no organic concentrations above an SWSL also exceeded an MCL. During the First Semi-Annual 2011 event, the following two organic compounds were

detected above an SWSL and exceeded a respective NCAC 2L Standard: 1,4-dichlorobenzene and vinyl chloride at MW-25. Time series plots for the First Semi-Annual 2011 organic detections above SWSLs are available in Appendix B.

Table 4 provides a comparison table of the First Semi-Annual 2011 results to the GWPSs.

Per NCDENR Regulation .1634(f), a statistical comparison must be made to the GWPSs to determine if further action is warranted. The following text outlines the procedures that were used to statistically compare concentrations to GWPSs.

Per the U.S. Environmental Protection Agency document (dated March 2009), titled *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*, a Confidence Interval is constructed from sample data and is designed to contain the mean concentration of a well analyte in groundwater monitoring, with a designated level of confidence. A confidence interval generally is used when samples are being compared to a GWPS, which is typically the MCL or alternate concentration limit.

A 95% lower confidence interval analysis was used to statistically evaluate VOCs. The method constructs a normal confidence interval on the mean concentration of a constituent incorporating, at a minimum, the four most recent measurements. The lower 95% confidence interval on the mean was compared to the GWPS to determine whether the mean concentration exceeded its GWPS. If the lower 95% confidence interval on the mean exceeds the GWPS then there is statistically significant evidence that the mean concentration of that constituent exceeds the GWPS.

The distribution of the data is evaluated by applying the Shapiro-Wilk or Shapiro-Francia test for normality to the raw data or, when applicable, transformed data. If less than 15 percent of the observations are non-detects, these will be replaced with one half the method detection limit prior to performing the normality test and constructing the confidence limit.

Per .1634(h)(5), if background (statistical limit based on upgradient well data) is higher than the NC 2L Standard, then background may be utilized as the GWPS. Background for organics is considered the non-detect level (equivalent to the SWSL). The SWSL (1.0 ug/L) for 1,2-dichloroethane and vinyl chloride is higher than the 2L Standard (0.4 ug/L and 0.03 ug/L, respectively). Therefore, the SWSL (1.0 ug/L) was utilized as the GWPS for,2-dichloroethane and vinyl chloride. Background for total antimony (15 ug/L) is higher than the NC GWPS (1 ug/L), therefore 15 ug/L was utilized as the GWPS as outlined in .1634(h)(5). Background for total cadmium (5 ug/L) is higher than the NC 2L Standard (2 ug/L), therefore 5 ug/L was utilized as the GWPS as outlined in .1634(h)(5). Background for total chromium (98 ug/L) is higher than the NC GWPS (10 ug/L), therefore 98 ug/L was utilized as the GWPS as outlined in .1634(h)(5). Background for total cobalt (15 ug/L) is higher than the NC GWPS (1 ug/L), therefore 15 ug/L was utilized as the GWPS as outlined in .1634(h)(5). Background for total thallium (5 ug/L) is higher than the NC GWPS (0.28 ug/L), therefore 5 ug/L was utilized as the GWPS as outlined in .1634(h)(5). Background for total vanadium (33 ug/L) is higher than the NC GWPS (0.3 ug/L), therefore 33 ug/L was utilized as the GWPS as outlined in .1634(h)(5).

Inorganic and organic concentrations detected above GWPSs (See Table 4) were statistically compared to their respective GWPSs. As provided in Appendix B, each of the organics (1,4-dichlorobenzene and vinyl chloride at MW-25) was statistically below their respective GWPS. As provided in Appendix B, no inorganic concentrations (cobalt at MW-12, MW-21, and MW-22) statistically exceeded the GWPS for the First Semi-Annual 2011 event.

4.4 Statistical Results Summary

For the First Semi-Annual 2011 event, seven inorganic results exceeded inter-well prediction limits. Table 2 provides a summary of the prediction limit exceedances. For the First Semi-Annual 2011 event, barium at MW-18A and MW-20B; cobalt at MW-12 and MW-22; and nickel at MW-22A are statistically trending upward. The inorganic exceedances are consistent with past events.

During the First Semi-Annual 2011 sampling event, only five organic results (see Table 3) were detected at or above a Solid Waste Section Limit (SWSL). During the First Semi-Annual 2011 event, no organic concentrations above an SWSL also exceeded an MCL. During the First Semi-Annual 2011 event, the following two organic compounds were detected above an SWSL and exceeded a respective value-to-value comparison to an NCAC 2L Standard: 1,4-dichlorobenzene and vinyl chloride at MW-25. The organics detected are consistent with past events.

Inorganic and organic concentrations detected at or above GWPSs were statistically compared to their respective GWPSs. Each of the inorganics and organics was statistically below their respective GWPS.

Appendix C contains a copy of the laboratory analytical reports and field log sheets for the First Semi-Annual 2011 event.

5.0 ASSESSMENT MONITORING STATUS

In accordance with Assessment Monitoring requirements set forth in the NCDENR Regulations for Municipal Solid Waste Landfills Section .1634:

(e) If the concentrations of all Appendix II constituents are shown to be at or below background values, using the approved statistical procedures, for two consecutive sampling events, the owner or operator shall report this information to the Division, and the Division may give approval to the owner or operator to return to detection monitoring.

(f) If the concentrations of any Appendix II constituents are above background values, but all concentrations are below the approved ground-water protection standards, using the approved statistical procedures, the owner or operator shall continue assessment monitoring.

During the First Semi-Annual 2011 event, concentrations of Appendix II constituents were above background values, however all organic concentrations were statistically below the GWPSs. Therefore, the site will continue in Assessment Monitoring. The inorganic and organic detections above SWSLs are also on the Appendix I Detection Monitoring list.

(g) If one or more Appendix II constituents are detected at statistically significant levels above the approved ground-water protection standards in any sampling event, the owner or operator, shall within 14 days of this finding, submit a report to the Division, place a notice in the operating record, and notify all appropriate local government officials. (1) The owner or operator shall also: (A) Characterize the nature and extent of the release by installing additional monitoring wells, as necessary; (B) Install at least one additional monitoring well at the facility boundary in the direction of contaminant migration and sample this well in accordance with Paragraph (d)(2) of this Rule; (C) Notify all persons who own land or reside on land that directly overlies any part of the plume of contamination if contaminants have migrated off-site; and (D) Within 90 days, initiate an assessment of corrective measures as required under Rule .1635 of this Section; or (2) The owner or operator may demonstrate that a source other than a MSWLF

unit caused the contamination, or the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in ground-water quality. A report documenting this demonstration shall be certified by a Licensed Geologist or Professional Engineer and approved by the Division. A copy of the approved report shall also be placed in the operating record. If a successful demonstration is made, the owner or operator shall continue assessment monitoring, and may return to detection monitoring if the Appendix II constituents are at or below background and approval is given by the Division. Until a successful demonstration is made, the owner or operator shall comply with Paragraph (g) of this Rule including initiating an assessment of corrective measures.

No inorganic or organic GWPSs were statistically exceeded during the First Semi-Annual 2011 event.

The First Semi-Annual 2011 sampling event was the annual Appendix II assessment sampling event at the site for assessment wells MW-18A, MW-19, MW-19A, MW-20B, and MW-25. The remaining wells were sampled for the Appendix I list parameters plus previously detected Appendix II parameters (dichlorodifluoromethane, mercury, and tin). In accordance with NCDENR Requirements for Municipal Solid Waste Landfill Facilities Section .1634(d), a notification letter of detected Appendix II constituents was submitted to NCDENR by Herst & Associates, Inc. on May 19, 2011. The inorganic and organic detections above the SWSLs are also on the Appendix I Detection Monitoring list, consistent with past events.

During the Second Semi-Annual 2011 event, Appendix I parameters plus previously detected Appendix II parameters (dichlorodifluoromethane, mercury, and tin) are scheduled to be sampled/analyzed at each well. The First Semi-Annual 2012 sampling event will be the next annual Appendix II assessment sampling event at the site for assessment wells. The remaining wells will be sampled for the Appendix I detection monitoring list, plus previously detected Appendix II parameters.

The following landfill gas system information was provided by SCS Engineers. The Gas Collection and Control System (GCCS) has been operational at the Landfill since 1996. As areas of the Landfill reached 5 years old or 2 years old and at final grade, the GCCS was expanded in general accordance with the NSPS GCCS Design Plan. The GCCS was designed and constructed in general accordance with the NSPS provisions and the NSPS GCCS Design Plan.

The GCCS includes over 150 vertical extraction wells, five horizontal collectors (HC), and nine leachate cleanouts. The facility includes the following major control system components:

- A 2,800 scfm candlestick flare,
- A 6,000 scfm enclosed flare,
- A 12,000 scfm blower system, and
- A 2-stage gas compressor that feeds a Taurus 60-T7300 Solar turbine.

The turbine is part of a landfill gas-to-energy (LFGTE) facility at the site. The LFGTE facility was constructed in 1999 with start-up testing performed in December 1999. The LFGTE facility began generating electricity in early 2000 with power being sold to the City of Concord.

2007 Expansion

Construction on the GCCS Expansion began in January 2007, and ended in February 2007. The objectives of the upgrades during the expansion included the following:

- Re-drill four nonperforming wells – EW-35B, EW-66C, EW-72B, EXP-25A.
- Replace damaged lateral piping - vicinity of EW-31 and EW-22.
- Install new lateral piping for new wells – EW-35B, EW-66C, EW-72B, EXP-25A.
- Install new airline for sumps – CS-1, CS-2, CS-3, CS-4.
- Install new sump pumps – CS-1, CS-2, CS-3, CS-4.
- Perform boot repairs on four wells - EW-8, EW-15, EW-16, EW-17.

2008 Expansion

Expansion of the GCCS began in February 2008 and ended in May 2008. The primary objectives of the expansion project were to replace non-performing wells, increase the available vacuum to the GCCS by installing new header pipes, and replace the condensate sump/knockout pot at Flare 2. Replacing the condensate sump/knockout pot will improve the operation of the flare and allow the flare to be operated at a higher vacuum.

During construction it was observed the leachate cleanout located on the south west side of the landfill (near MW-18A) was showing signs of landfill gas pressures within the cleanout. Because of this, the cleanout was connected to the GCCS so a vacuum could be applied and landfill gas collected. In general the 2008 expansion of the GCCS included the following:

- Re-drill 21 nonperforming wells – EW-07, EW-10, EW-16, EW-19, EW-20, EW-22, EW-24, EW-31, EW-32A, EW-33A, EW-35B, EW-37, EW-38, EW-40, EW-46, EW-47, EW-121, EXP-04, EXP-05, EXP-13, and EXP-14.
- Two new LFG wells – EW-199 and EW-200.
- 6” lateral piping for new and re-drilled wells.
- 16” and 12” header piping.
- 2” airline for sump CS-03.
- 2" condensate sump and pump for Flare 2.
- Connected a leachate cleanout to the GCCS.

2009 Expansion

Expansion of the GCCS occurred in 2009. The primary objectives of the expansion project were to expand the system into Cell 2G, replace non-performing wells, and increase the available vacuum to the GCCS by installing new header pipes. In addition, a new 24-inch diameter header pipe was installed from the big flare into Cell 2G.

In general the 2009 expansion of the GCCS included the following:

- Re-drill four nonperforming wells – EW-05A, EW-44A, EW-114A, and EW-115A.
- Install 11 new LFG wells – EW-120, EW-122, EW-123, EW-124, EW-159, EW-160, EW-183, EW-184, EW-185, EW-201, and EW-202.
- Tie leachate cleanouts into GCCS (near MW-18A, MW-19, and MW-19A).
- 6” lateral piping for new and re-drilled wells.
- 24”, 18”, 16” and 12” header piping.
- Connected a leachate cleanouts to the GCCS.

2010 Expansion

Expansion of the GCCS occurred in 2010. The primary objectives of the expansion project were the following:

- Re-drill 10 nonperforming wells – EXP-03A, EXP-19A, EXP-26A, EW-39B, EW-40B, EW-58B, EW-60B, EW-68A, EW-75A and EW-106A.
- Install 10 new LFG wells – EW-98, EW-99, EW-125, EW-126, EW-153, EW-154, EW-161, EW-162, EW-182, and EW-186.
- Install new lateral piping for new and re-drilled wells.
- Install new header piping.
- Install blind flanges on header piping for future expansion.
- Install corrugated metal pipe around HDPE pipe for road crossings.

According to SCS Engineers, because of the improvements stated above, the efficiency of the GCCS has improved. 2010 upgrades to the GCCS should further enhance the removal of landfill gas and continued improvement in groundwater quality. According to SCS Engineers, no updates to the GCCS were implemented between December 2010 and the date of this report.

Water Quality Assessment Activities

In a letter dated January 28, 2010 from NCDENR to the site, a Water Quality Assessment Plan was requested. The requirements for, or the contents of a Water Quality Assessment Plan (WAQP) are not referenced in NC Solid Waste Regulations or Guidance Documents, therefore the facility met with NCDENR on March 9, 2010 in order to discuss potential items to include in the requested WQAP. Site representatives discussed with NCDENR the planned items to be included in the WQAP. Subsequently, the site submitted a WQAP on March 19, 2010 of the proposed activities to address the constituents detected above the North Carolina 15A NCAC 2L Water Quality Standards at the site. In correspondence dated April 8, 2010, NCDENR approved the Water Quality Assessment Plan. The proposed field activities associated with the WQAP were conducted in May 2010. A Water Quality Assessment Report summarizing the data collected during the Water Quality Assessment activities was submitted under separate cover on August 2, 2010.

The August 2, 2010 Water Quality Assessment Report provided a summary of actions completed to date and proposed actions in order to address the source and extent of the VOC detections in groundwater monitoring wells at the site. The first phase of the field work occurred in conjunction with the First Semi-Annual 2010 event (May 2010) and consisted of **(1)** a sewer line examination, **(2)** headspace methane monitoring in groundwater monitoring wells of concern, and **(3)** a geochemical evaluation of groundwater and leachate. The results and summary of the first phase activities were submitted within the August 2, 2010 Water Quality Assessment Report.

Results of the first phase indicated that (a) no apparent impacts were identified in the vicinity of the sewer line, (b) no significant concentrations of methane are currently present in the headspace of the groundwater monitoring wells of concern, and (c) the geochemical comparisons of MW-19A to leachate indicate possible mixing of groundwater and leachate. However the lack of heavy metals and the presence of downward trending VOCs in groundwater indicate that landfill gas likely was the source of impact at some stage. The improving groundwater conditions indicate that the source has likely been mitigated by the upgrades to the GCCS over the last few years.

The February 28, 2011 Water Quality Assessment Report provided an updated summary of the data collected during the Water Quality Assessment activities in the Second Semi-Annual 2010

event (second phase). Installation and monitoring of wells downgradient of the wells of concern would allow the delineation of the horizontal and vertical extent of VOCs. The second phase of the field work occurred in October and November 2010 (in conjunction with the Second Semi-Annual 2010 event) and consisted of **(4)** installing new wells MW-18R, MW-18AR, MW-19R, and MW-19AR, and **(5)** sampling the new wells for the Appendix I list of constituents.

Results of the second phase indicated that (d) lack of impact at well MW-18AR, which defines the extent of horizontal and vertical area of impact in the MW-18A area, and (e) impacts below the 2L Standards have not been horizontally or vertically defined in the MW-19R/MW-19AR portion of the site.

It was proposed that confirmation sampling for wells MW-19R and MW-19AR would be conducted in conjunction with the First Semi-Annual 2011 event to verify the first time GWPS exceedances for total barium (MW-19R), benzene (MW-19R/MW-19AR), and cobalt (MW-19R/MW-19AR). During the First Semi-Annual 2011 event, the headspace of MW-19R and MW-19AR were measured for methane (i.e. LFG related parameter). The First Semi-Annual 2011 event field measurements provided an indication of low level methane present (2% LEL).

The First Semi-Annual 2011 event sampling results verified concentrations above the GWPSs for the following: barium (MW-19R), benzene (MW-19R/MW-19AR), and cobalt (MW-19R/MW-19AR). Table 5 summarizes the results for the two events at water quality assessment (extent) wells MW-18R, MW-18AR, MW-19R, and MW-19AR. No GWPSs have been exceeded at MW-18R and MW-18AR during the Second Semi-Annual 2010 and First Semi-Annual 2011 events. Review of data for MW-19R and MW-19AR indicates that these same constituents were previously above GWPSs in adjacent/upgradient wells MW-19 and/or MW-19A. No GWPSs have been exceeded at MW-19 or MW-19A since the First Semi-Annual 2009 event. Concentrations for barium, benzene, and cobalt have been decreasing at MW-19 and MW-19A likely due to the enhancements to the GCCS in combination with natural attenuations. The First Semi-Annual 2011 event concentrations of barium, benzene, and cobalt at MW-19R and MW-19AR decreased in comparison to the Second Semi-Annual 2010 event and are likely also improving due to the enhancements to the GCCS in combination with natural attenuations.

It is recommended that MW-19R and MW-19AR be monitored to assure continued decreasing concentrations for barium, benzene, and cobalt. The concentrations of barium at MW-19R and MW-19AR have been well below the EPA MCL for barium (2,000 ug/L). It should be noted that no EPA MCL is established for cobalt and the GWPS is 15 ug/L. The concentrations of benzene at MW-19R and MW-19AR have been below the EPA MCL for benzene.

TABLES

TABLE 1 WELLS ANALYZED FIRST SEMI-ANNUAL 2011 EVENT CHARLOTTE MOTOR SPEEDWAY, LANDFILL V	
UPGRADIENT WELLS	**DOWNGRADIENT WELLS**
MW-11, MW-14, MW-14B, MW-15	MW-1A, MW-1B, MW-2A, MW-2B, MW-10, MW-10A, MW-12 MW-16, MW-17, MW-17A, MW-18A, MW-19, MW-19A, MW-20AR MW-20B, MW-21, MW-22, MW-22A, MW-24, MW-25, MW-26 MW-27, MW-28, MW-29R, MW-30R, MW-31, MW-32R, MW-33, MW-34

TABLE 2
PREDICTION LIMIT EXCEEDANCES
FIRST SEMI-ANNUAL 2011 EVENT
CHARLOTTE MOTOR SPEEDWAY, LANDFILL V

Well	Parameter (Total Metals)	National Primary Drinking Water Standard-MCL (mg/L)	15A NCAC 2L Water Quality Standard (mg/L)	First Semi-Annual 2011 Results (mg/L)	MDL (mg/L)	SWSL (mg/L)	Prediction Limit (mg/L)	Upward Trend?
MW-12	Cobalt	NE	*0.001	0.0479	0.00002	0.01	0.015	Yes
MW-18A	Barium	2	0.7	0.508	0.00070	0.1	0.38	Yes
MW-20B	Barium	2	0.7	0.653	0.00070	0.1	0.38	Yes
MW-21	Cobalt	NE	*0.001	0.0457	0.00002	0.01	0.015	No
	Nickel	NE	0.1	0.0639	0.00004	0.05	0.043	No
MW-22	Cobalt	NE	*0.001	0.0491	0.00002	0.01	0.015	Yes
MW-22A	Nickel	NE	0.1	0.0664	0.00004	0.05	0.043	Yes

J: Denotes Sample result above the MDL but below the SWSL; estimated value; value may not be accurate.
** Denotes an MCL not established and a NCAC 2L standard not established, therefore the NCDENR Groundwater Protection Standard taken from NCDENR website updated March 18, 2011 (http://www.wastenotnc.org/sw/swenvmonitoringlist.asp).*

TABLE 3
ORGANIC DETECTIONS
FIRST SEMI-ANNUAL 2011 EVENT
CHARLOTTE MOTOR SPEEDWAY, LANDFILL V

Monitoring Point	Parameter	National Primary Drinking Water Standard-MCL (ug/L)	15A NCAC 2L Water Quality Standard (ug/L)	Qualifier	First Semi-Annual 2011 Results (ug/L)	MDL (ug/L)	SWSL (ug/L)
MW-1B	Trichloroethene	5	3		1.1	0.3	1
MW-2A	1,1-Dichloroethane	NE	6	J	1	0.3	5
MW-17	Tetrachloroethene	5	0.7	J	0.8	0.4	1
MW-18A	1,1-Dichloroethane	NE	6	J	1.2	0.3	5
	Benzene	5	1	J	0.3	0.3	1
	cis-1,2-Dichloroethene	70	70	J	2.4	0.4	5
	Methyl Ethyl Ketone (2-Butanone)	NE	4000	J	5	1.8	100
	Trichloroethene	5	3	J	0.4	0.3	1
MW-19	cis-1,2-Dichloroethene	70	70	J	0.6	0.4	5
MW-20AR	1,1-Dichloroethane	NE	6	J	1.9	0.3	5
	Chloroethane	NE	3000	J	1	0.6	10
	cis-1,2-Dichloroethene	70	70	J	0.8	0.4	5
MW-20B	1,1-Dichloroethane	NE	6	J	5	0.3	5
	1,4-Dichlorobenzene	75	6		1	0.6	1
	Benzene	5	1	J	0.9	0.3	1
	cis-1,2-Dichloroethene	70	70	J	3.7	0.4	5
	Vinyl Chloride	5	0.03	J	0.5	0.2	1
MW-22A	Methyl Ethyl Ketone (2-Butanone)	NE	4000	J	2.4	1.8	100
MW-25	1,1-Dichloroethane	NE	6	J	2	0.3	5
	1,2-Dichloroethane	NE	0.4	J	0.7	0.4	1
	1,4-Dichlorobenzene	75	6		6.8	0.6	1
	Benzene	5	1	J	0.7	0.3	1
	Chlorobenzene	100	50	J	0.8	0.5	3
	cis-1,2-Dichloroethene	70	70		12	0.4	5
	Methyl Ethyl Ketone (2-Butanone)	NE	4000	J	8.4	1.8	100
	Vinyl Chloride	5	0.03		1.4	0.2	1
MW-1B	Dichlorodifluoromethane	NE	1,000	J	0.8	0.5	5
	Trichlorofluoromethane	NE	2,000	J	0.7	0.3	1
Trip Blank1	Chloroform	80	70	J	1.8	0.6	5
Trip Blank2	Chloroform	80	70	J	1.5	0.6	5

J: Denotes Sample result above the MDL but below the Solid Waste Section Limit (SWSL); estimated value; value may not be accurate.
NE: Denotes a standard has not been established.
2L Standards from NCDENR website updated March 18, 2011 (http://www.wastenotnc.org/sw/swenvmonitoringlist.asp).
Denotes detection above the SWSL.

TABLE 4
FIRST SEMI-ANNUAL 2011 EVENT DATA COMPARED TO GWPSs
CHARLOTTE MOTOR SPEEDWAY, LANDFILL V

Constituent (ug/L)	MCL	NC 2L Std	NC GWPS	Final GWPS	MW-1A	MW-1B	MW-2A	MW-2B	MW-10	MW-10A	MW-11	MW-12	MW-14	MW-14B	MW-15	MW-16	MW-17	MW-17A	MW-18A	MW-19
Antimony Total	6	NE	1	**15****	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00	<6.00
Arsenic Total	10	10	NE	**10**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	0.83 J	<10.0	<10.0	<10.0	<10.0
Barium Total	2,000	700	NE	**700**	142	7.43 J	59.7 J	23.1 J	31 J	24.7 J	19.4 J	18.3 J	6.92 J	5.1 J	52.5 J	38.4 J	137	147	508	193
Beryllium Total	4	NE	4	**4**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cadmium Total	5	2	NE	**5****	0.05 J	<1.00	<1.00	<1.00	0.02 J	<1.00	<1.00	<1.00	<1.00	<1.00	0.13 J	0.04 J	<1.00	<1.00	0.47 J	0.02 J
Chromium Total	100	10	NE	**98****	2.91 J	1.67 J	0.49 J	1.53 J	5.17 J	0.46 J	3.2 J	2.21 J	0.76 J	0.42 J	1.16 J	1.96 J	<10.0	<10.0	3.42 J	1.3 J
Cobalt Total	NE	NE	1	**15****	3.82 J	13.6	0.46 J	9.72 J	0.52 J	0.05 J	0.43 J	47.9	0.16 J	0.3 J	0.48 J	6.67 J	0.17 J	0.1 J	3.41 J	0.41 J
Copper Total	1,300	1,000	NE	**1,000**	6.85 J	2.29 J	0.85 J B	0.61 J B	0.59 J B	0.7 J B	1.09 J B	0.73 J B	1.89 J B	0.81 J B	5.1 J B	2.76 J B	0.51 J B	0.52 J B	2.92 J B	0.83 J B
Cyanide Total	200	70	NE	**70**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10.0	<10.0
Lead Total	15	15	NE	**15**	0.34 J	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	1.33 J	<10.0	<10.0	<10.0	<10.0
Mercury Total	2	1	NE	**1**	<0.200	0.058 J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.059 J	<0.200	0.037 J	0.181 J
Nickel Total	NE	100	NE	**100**	6.75 J	24.5 J	5.77 J	6.57 J	4.54 J	0.78 J	2.55 J	4.34 J	13 J	1.92 J	11.7 J	4.44 J	1.28 J	1.68 J	7.9 J	23.5 J
Selenium Total	50	20	NE	**20**	1.95 J	1.43 J	2.67 J B	1.31 J B	1.18 J B	1.18 J B	1.37 J B	1.4 J B	0.82 J B	0.77 J B	1.61 J B	2.23 J B	1.35 J B	1.38 J B	5.74 J B	2.73 J B
Silver Total	NE	20	NE	**20**	0.02 J	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	0.03 J	0.02 J	<10.0	<10.0	0.07 J	<10.0
Sulfide	NE	NE	NE	**1,000***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1000	<1000
Thallium Total	2	NE	0.28	**5****	<5.50	0.24 J	<5.50	<5.50	<5.50	0.05 J B	<5.50	<5.50	<5.50	<5.50	<5.50	<5.50	<5.50	<5.50	0.03 J B	0.05 J B
Tin Total	NE	NE	2,000	**2,000**	0.2 J B	<100	0.04 J B	<100	<100	<100	0.03 J B	<100	1.8 J B	<100	0.05 J B	0.05 J B	<100	0.09 J B	0.23 J B	0.04 J B
Vanadium Total	NE	NE	0.3	**33****	<25.0	<25.0	5.25 J	3.7 J	<25.0	1.99 J	4.28 J	4.68 J	2.33 J	5.6 J	11.8 J	11.7 J	<25.0	<25.0	<25.0	1.94 J
Zinc Total	NE	1,000	NE	**1,000**	4.47 J B	6.46 J	<10.0	<10.0	2.65 J B	4.43 J B	3.2 J B	<10.0	6.07 J B	2.15 J B	3.76 J B	14.7	2.41 J	2.1 J	26.9	<10.0

Constituent (ug/L)	MCL	NC 2L Std	NC GWPS	Final GWPS	MW-19A	MW-20AR	MW-20B	MW-21	MW-22	MW-22A	MW-24	MW-25	MW-26	MW-27	MW-28	MW-29R	MW-30R	MW-31	MW-32R	MW-33	MW-34
Antimony Total	6	NE	1.4	**15****	0.32 J	<6.00	<6.00	<6.00	0.27 J	<6.00	0.25 J	<6.00	<6.00	<6.00	<6.00	0.17 J	<6.00	<6.00	<6.00	<6.00	<6.00
Arsenic Total	10	10	NE	**10**	<10.0	<10.0	<10.0	0.83 J	<10.0	<10.0	0.88 J	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Barium Total	2,000	700	NE	**700**	62.9 J	301	653	65.8 J	129	33.4 J	140	104	56.2 J	34.7 J	27.8 J	26.8 J	92.8 J	46.5 J	37.4 J	32.1 J	87.7 J
Beryllium Total	4	NE	4	**4**	<1.00	<1.00	<1.00	0.17 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cadmium Total	5	2	NE	**5****	<1.00	0.26 J	1.66	0.07 J	0.17 J	0.17 J	0.02 J	0.15 J	<1.00	<1.00	<1.00	<1.00	0.04 J	<1.00	<1.00	<1.00	0.16 J
Chromium Total	100	10	NE	**98****	<10.0	<10.0	1.71 J	71.2	9.89 J	<10.0	2.89 J	0.5 J	2.61 J	<10.0	4.26 J	0.85 J	3.54 J	12.1	8.35 J	2.52 J	6.65 J
Cobalt Total	NE	NE	70	**15****	0.54 J	1.85 J	3.01 J	45.7	49.1	11.7	0.67 J	10.5	0.21 J	0.22 J	0.27 J	1.06 J	1.37 J	0.66 J	1.64 J	0.58 J	2.62 J
Copper Total	1,300	1,000	NE	**1,000**	0.72 J B	2.33 J B	1.59 J B	168	33.5	7.24 J B	0.97 J B	1.18 J B	1.28 J B	4.41 J B	0.55 J B	2.76 J B	8.88 J B	1.28 J B	7.88 J B	18	5.32 J
Cyanide Total	200	70	NE	**70**	<10.0	NS	<10.0	NS	NS	NS	NS	<10.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead Total	15	15	NE	**15**	<10.0	<10.0	0.16 J	1.26 J	0.6 J	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	0.24 J	0.13 J	7.49 J	0.95 J	1.88 J
Mercury Total	2	1	NE	**1**	<0.200	<0.200	<0.200	0.046 J	<0.200	<0.200	<0.200	<0.200	<0.200	0.033 J B	<0.200	0.036 J B	<0.200	<0.200	<0.200	<0.200	<0.200
Nickel Total	NE	100	NE	**100**	3 J	26.5 J	40.8 J	63.9	33.6 J	66.4	4.46 J	18.2 J	3.91 J	3.06 J	7.61 J	4.44 J	7.52 J	7.94 J	11.9 J	3.27 J	5.23 J
Selenium Total	50	20	NE	**20**	1.1 J B	1.23 J B	1.97 J B	5.45 J B	2.35 J B	2.56 J B	2.21 J B	2.25 J B	1.35 J B	<10.0	<10.0	<10.0	1.11 J B	0.71 J B	<10.0	<10.0	<10.0
Silver Total	NE	20	NE	**20**	<10.0	<10.0	<10.0	0.19 J	0.07 J	<10.0	0.03 J	<10.0	<10.0	<10.0	<10.0	<10.0	0.02 J	<10.0	<10.0	<10.0	<10.0
Sulfide	NE	NE	NE	**1,000***	<1000	NS	<1000	NS	NS	NS	NS	<1000	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium Total	2	NE	0.28	**5****	0.19 J B	<5.50	0.1 J B	<5.50	<5.50	<5.50	<5.50	<5.50	<5.50	<5.50	<5.50	0.12 J	<5.50	<5.50	<5.50	<5.50	0.09 J
Tin Total	NE	NE	2,100	**2,000**	0.07 J B	<100	0.03 J B	0.9 J B	0.2 J B	0.05 J B	0.09 J B	<100	<100	<100	<100	<100	0.4 J B	<100	<100	<100	<100
Vanadium Total	NE	NE	0.3	**33****	<25.0	2.96 J	<25.0	8.76 J	21.8 J	<25.0	2.28 J	2.13 J	8.11 J	<25.0	<25.0	<25.0	7.67 J	2.88 J	4.17 J	<25.0	<25.0
Zinc Total	NE	1,000	NE	**1,000**	197	17.2 B	33.2	31.3	12.8 B	6.26 J B	2.1 J	3.71 J B	<10.0	<10.0	<10.0	<10.0	23.3	5.41 J	3.56 J	5.41 J	12.3

Constituent (ug/L)	MCL	NC 2L Std	NC GWPS	Final GWPS	MW-1A	MW-1B	MW-2A	MW-2B	MW-10	MW-10A	MW-11	MW-12	MW-14	MW-14B	MW-15	MW-16	MW-17	MW-17A	MW-18A	MW-19
1,1-Dichloroethane	NE	6	NE	**6**	<5.0	<5.0	1 J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.2 J	<5.0
1,2-Dichloroethane	5	0.4	NE	**1****	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	6	NE	**6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	NE	6,000	NE	**6,000**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	5	1	NE	**1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.3 J	<1.0
Carbon Disulfide	NE	700	NE	**700**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Chlorobenzene	100	50	NE	**50**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Chloroethane	NE	3,000	NE	**3,000**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	80	70	NE	**70**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	70	70	NE	**70**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.4 J	0.6 J
Dichlorodifluoromethane	NE	1,000	NE	**1,000**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Ethyl Ketone (2-Butanone)	NE	4,000	NE	**4,000**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	5 J	<100
Methylene Chloride	5	5	NE	**5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	0.7	NE	**0.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.8 J	<1.0	<1.0	<1.0
Trichloroethene	5	3	NE	**3**	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.4 J	<1.0
Trichlorofluoromethane	NE	2,000	NE	**2,000**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	2	0.03	NE	**1****	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Constituent (ug/L)	MCL	NC 2L Std	NC GWPS	Final GWPS	MW-19A	MW-20AR	MW-20B	MW-21	MW-22	MW-22A	MW-24	MW-25	MW-26	MW-27	MW-28	MW-29R	MW-30R	MW-31	MW-32R	MW-33	MW-34
1,1-Dichloroethane	NE	6	NE	**6**	<5.0	1.9 J	5 J	<5.0	<5.0	<5.0	<5.0	2 J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	5	0.4	NE	**1****	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.7 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	6	NE	**6**	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0	6.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	NE	6,000	NE	**6,000**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	5	1	NE	**1**	<1.0	<1.0	0.9 J	<1.0	<1.0	<1.0	<1.0	0.7 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	NE	700	NE	**700**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Chlorobenzene	100	50	NE	**50**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	0.8 J	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Chloroethane	NE	3,000	NE	**3,000**	<10	1 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	80	70	NE	**70**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	70	70	NE	**70**	<5.0	0.8 J	3.7 J	<5.0	<5.0	<5.0	<5.0	12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorodifluoromethane	NE	1,000	NE	**1,000**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.8 J
Methyl Ethyl Ketone (2-Butanone)	NE	4,000	NE	**4,000**	<100	<100	<100	<100	<100	2.4 J	<100	8.4 J	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride	5	5	NE	**5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	0.7	NE	**0.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	5	3	NE	**3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	NE	2,000	NE	**2,000**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.7 J
Vinyl Chloride	2	0.03	NE	**1****	<1.0	<1.0	0.5 J	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

B: Denotes parameter also detected in the associated field blank, trip blank, and laboratory method blank at similar concentrations.
J: Denotes Sample result above the MDL but below the Solid Waste Section Limit (SWSL); estimated value; value may not be accurate.
Final GWPS is the lowest of the MCL, NC 2L Standard, and NC GWPS values. NC 2L and NC GWPS values taken from NCDENR website updated March 18, 2011 (http://www.wastenotnc.org/sw/swenvmonitoringlist.asp).
**: Denotes SWSL used if no MCL, NC 2L Standard, or NC GWPS has been established.*
***: Denotes background limit used if higher than NC 2L Standard and NC GWPS.*
NS: Denotes this Appendix II parameter was not required to be sampled at this well. Well MW-1B was not sampled due to a malfunctioning pump, and well MW-34 was dry and could not be sampled.
Denotes a concentration above an SWSL is also above the GWPS:

TABLE 5
FIRST SEMI-ANNUAL 2011 EVENT, WATER QUALITY ASSESSMENT WELL DATA COMPARED TO GWPSs
CHARLOTTE MOTOR SPEEDWAY, LANDFILL V

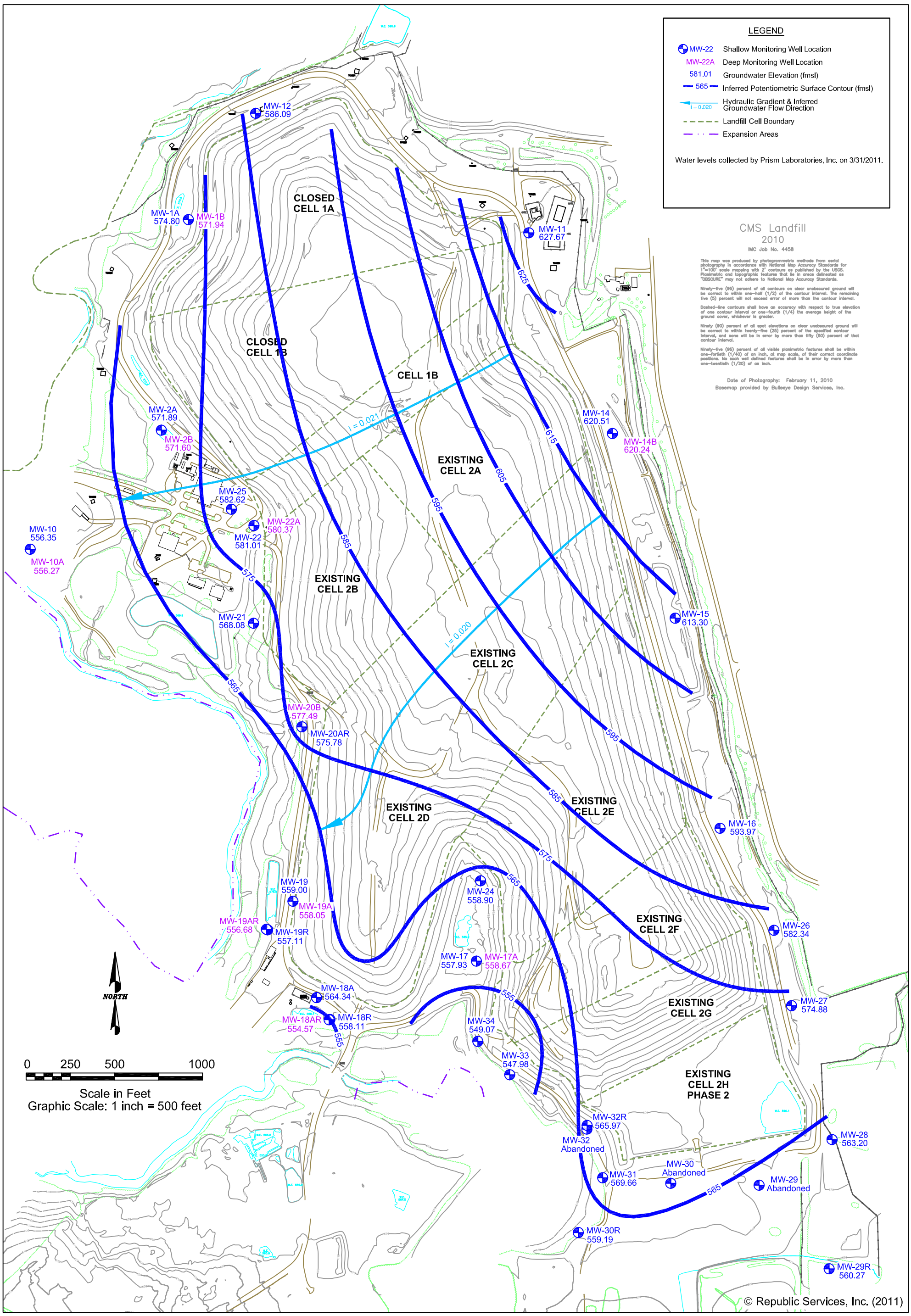
Constituent (ug/L)	MCL	NC 2L Std	NC GWPS	Final GWPS	MW-18AR	MW-18R	MW-19AR	MW-19R
Antimony Total	6	NE	1	**15****	0.16 J	0.16 J	0.91 J	0.42 J
Arsenic Total	10	10	NE	**10**	<10.0	2.62 J	2.29 J	3.75 J
Barium Total	2,000	700	NE	**700**	11.4 J	580	179	836
Beryllium Total	4	NE	4	**4**	<1.00	0.16 J	0.1 J	<1.00
Cadmium Total	5	2	NE	**5****	<1.00	0.69 J	0.79 J	0.35 J
Chromium Total	100	10	NE	**98****	7.69 J	12	26.9	1.52 J
Cobalt Total	NE	NE	1	**15****	0.3 J	9.02 J	20.2	25.9
Copper Total	1,300	1,000	NE	**1,000**	1.54 J	16.5	7.4 J	10.7
Cyanide Total	200	70	NE	**70**	NS	NS	NS	NS
Lead Total	15	15	NE	**15**	0.4 J	2.45 J	0.97 J	0.75 J
Mercury Total	2	1	NE	**1**	<0.200	0.295	0.028 J	0.044 J
Nickel Total	NE	100	NE	**100**	6.33 J	11.6 J	61.1	50.4
Selenium Total	50	20	NE	**20**	2.75 J B	5.61 J B	6.22 J B	8.79 J B
Silver Total	NE	20	NE	**20**	0.1 J	0.04 J	0.2 J	0.06 J
Sulfide	NE	NE	NE	**1,000***	NS	NS	NS	NS
Thallium Total	2	NE	0.28	**5****	<5.50	<5.50	0.08 J B	0.04 J B
Tin Total	NE	NE	2,000	**2,000**	16.4 J	0.7 J B	1.2 J B	1 J B
Vanadium Total	NE	NE	0.3	**33****	<25.0	24.9 J	7.7 J	2.46 J
Zinc Total	NE	1,000	NE	**1,000**	8.65 J	86.4	16.8	19.2

Constituent (ug/L)	MCL	NC 2L Std	NC GWPS	Final GWPS	MW-18AR	MW-18R	MW-19AR	MW-19R
1,1-Dichloroethane	NE	6	NE	**6**	<5.0	0.4 J	0.8 J	0.5 J
1,2-Dichloroethane	5	0.4	NE	**1****	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	6	NE	**6**	<1.0	<1.0	2	2.6
Acetone	NE	6,000	NE	**6,000**	<100	<100	<100	<100
Benzene	5	1	NE	**1**	<1.0	0.8 J	3.1	2.4
Carbon Disulfide	NE	700	NE	**700**	<100	<100	<100	<100
Chlorobenzene	100	50	NE	**50**	<3.0	<3.0	1.8 J	1.6 J
Chloroethane	NE	3,000	NE	**3,000**	<10	<10	<10	<10
Chloroform	80	70	NE	**70**	1.3 J	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	70	70	NE	**70**	<5.0	0.8 J	0.7 J	0.4 J
Dichlorodifluoromethane	NE	1,000	NE	**1,000**	<5.0	<5.0	<5.0	<5.0
Methyl Ethyl Ketone (2-Butanone)	NE	4,000	NE	**4,000**	<100	5.1 J	26 J	16 J
Methylene Chloride	5	5	NE	**5**	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	0.7	NE	**0.7**	<1.0	0.5 J	<1.0	<1.0
Trichloroethene	5	3	NE	**3**	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	2	0.03	NE	**1****	<1.0	<1.0	0.3 J	<1.0

B: Denotes parameter also detected in the associated field blank, trip blank, and laboratory method blank at similar concentrations.
J: Denotes Sample result above the MDL but below the Solid Waste Section Limit (SWSL); estimated value; value may not be accurate.
Final GWPS is the lowest of the MCL, NC 2L Standard, and NC GWPS values.
NC 2L and NC GWPS values taken from NCDENR website updated March 18, 2011 (http://www.wastenotnc.org/sw/swenvmonitoringlist.asp).
**: Denotes SWSL used if no MCL, NC 2L Standard, or NC GWPS has been established.*
***: Denotes background limit used if higher than NC 2L Standard and NC GWPS.*
NS: Denotes this Appendix II parameter was not required to be sampled at this well.
Denotes a concentration above an SWSL is also above the GWPS:

APPENDICES

APPENDIX A
POTENTIOMETRIC SURFACE MAP



Herst Environmental Services LLC
4631 North St. Peters Parkway
St. Charles, Missouri 63304
Phone (636) 939-9111
Fax (636) 939-9757

Charlotte Motor Speedway
Landfill V
Harrisburg, North Carolina

Figure 1
First Semi-Annual 2011
Potentiometric Surface Map

Groundwater Elevation Summary Table
Charlotte Motor Speedway, Landfill V

Well	Top of PVC Casing Elevation (fmsl)1	Depth to Water (ft)2	Groundwater Elevation (fmsl)
Shallow Wells			
MW-1A	579.45	4.65	574.80
MW-2A	579.92	8.03	571.89
MW-10	578.10	21.75	556.35
MW-11	638.82	11.15	627.67
MW-12	596.69	10.60	586.09
MW-14	629.56	9.05	620.51
MW-15	620.60	7.30	613.30
MW-16	606.53	12.56	593.97
MW-17	569.88	11.95	557.93
MW-18A	581.81	17.47	564.34
MW-18R	580.02	21.91	558.11
MW-19	588.58	29.58	559.00
MW-19R	582.53	25.42	557.11
MW-20AR	585.28	9.50	575.78
MW-21	581.99	13.91	568.08
MW-22	586.21	5.20	581.01
MW-24	576.00	17.10	558.90
MW-25	589.07	6.45	582.62
MW-26	594.86	12.52	582.34
MW-27	581.32	6.44	574.88
MW-28	574.45	11.25	563.20
MW-29R	565.61	5.34	560.27
MW-30R	587.84	28.65	559.19
MW-31	592.26	22.60	569.66
MW-32R	587.80	21.83	565.97
MW-33	575.70	27.72	547.98
MW-34	577.71	28.64	549.07
Deep Wells			
MW-1B	580.74	8.80	571.94
MW-2B	579.92	8.32	571.60
MW-10A	578.67	22.40	556.27
MW-14B	629.82	9.58	620.24
MW-17A	570.12	11.45	558.67
MW-18AR	579.93	25.36	554.57
MW-19A	588.07	30.02	558.05
MW-19AR	582.83	26.15	556.68
MW-20B	583.57	6.08	577.49
MW-22A	586.13	5.76	580.37

Note 1: Top of PVC Casing Elevations from the December 1, 2000 Correspondence from S&ME, Inc. to the site regarding the October 2000 Groundwater Flow Data.
Top of PVC Casing Elevations for wells MW-16, MW-26 through MW-34 from survey information provided by Earnhardt Grading in correspondence dated June 19, 2008.
Top of PVC Casing Elevations for wells MW-18R, MW-18AR, MW-19R, MW-19AR, MW-29R, MW-30R, and MW-32R from survey information provided by David Garrett & Associates in correspondence dated December 6, 2010.
Note 2: Depth to water collected by Prism Laboratories, Inc. on 3/31/11.

Groundwater Flow Velocity Calculations
Charlotte Motor Speedway, Landfill V
First Semi-Annual 2011 Event

Velocity Range

For wells in Saprolite
V = [(k)(i)]/(n)
V = [(1 x 10^{-3} cm/sec)(0.021]/0.16
V = 1.3 x 10^{-4} cm/sec
V = 0.37 ft/day
V = 135 ft/year

For wells in PWR
V = [(k)(i)]/(n)
V = [(2 x 10^{-4} cm/sec)(0.021]/0.20
V = 2.1 x 10^{-5} cm/sec
V = 6.0 x 10^{-2} ft/day
V = 22 ft/year

For wells in Bedrock
V = [(k)(i)]/(n)
V = [(7 x 10^{-5} cm/sec)(0.021]/0.07
V = 2.1 x 10^{-5} cm/sec
V = 6.0 x 10^{-2} ft/day
V = 22 ft/year

Hydraulic conductivities (k) are from the geometric mean of the hydraulic conductivity for each unit monitored at the site. Hydraulic conductivities provided in "Groundwater Certification Document, CMS Landfill V" by S&ME, Inc. dated October 4,1994.

Effective porosities (n) are from the geometric mean of the effective porosities for each unit monitored at the site. Effective porosities provided in "Groundwater Certification Document, CMS Landfill V" by S&ME, Inc. dated October 4, 1994.

Conversion factor: ft/day = 2,835 x cm/sec.

Gradient (i) is from the average gradient at site using the First Semi-Annual 2011 potentiometric surface map across the northern portion of the site and the southern portion of the site.
Gradient (i) = Change in Groundwater Elevation along Flow Path
i_{north}*: = 50 ft / 2,377 ft = 0.021*
i_{south}*: = 50 ft / 2,452 ft = 0.020*
Average gradient across the site is (0.021 + 0.020) / 2 = 0.021

APPENDIX B
STATISTICAL EVALUATIONS

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony Total (ug/L)	MW-10	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-10A	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-12	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-16	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-17	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-17A	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-18A	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-19	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-19A	15	0.32 (J)	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-1A	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-1B	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-20AR	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-20B	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-21	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-22	15	0.27 (J)	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-22A	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-24	15	0.25 (J)	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-25	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-26	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-27	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-28	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-29R	15	0.17 (J)	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-2A	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-2B	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-30R	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-31	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-32R	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-33	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Antimony Total (ug/L)	MW-34	15	3ND	No	134	n/a	n/a	91.79	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-10	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-10A	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-12	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-16	5.1	0.83 (J)	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-17	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-17A	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-18A	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-19	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-19A	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-1A	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-1B	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-20AR	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-20B	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-21	5.1	0.83 (J)	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-22	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-22A	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-24	5.1	0.88 (J)	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-25	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-26	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-27	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-28	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic Total (ug/L)	MW-29R	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-2A	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-2B	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-30R	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-31	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-32R	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-33	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Arsenic Total (ug/L)	MW-34	5.1	5ND	No	139	n/a	n/a	97.12	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Barium Total (mg/L)	MW-10	0.38	0.031 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-10A	0.38	0.0247 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-12	0.38	0.0183 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-16	0.38	0.0384 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-17	0.38	0.137	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-17A	0.38	0.147	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	**MW-18A**	**0.38**	**0.508**	**Yes**	**141**	**n/a**	**n/a**	**23.4**	**n/a**	**n/a**	**0.00009741**	**NP Inter (normality) 1 of 2**
Barium Total (mg/L)	MW-19	0.38	0.193	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-19A	0.38	0.0629 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-1A	0.38	0.142	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-1B	0.38	0.00743 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-20AR	0.38	0.301	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	**MW-20B**	**0.38**	**0.653**	**Yes**	**141**	**n/a**	**n/a**	**23.4**	**n/a**	**n/a**	**0.00009741**	**NP Inter (normality) 1 of 2**
Barium Total (mg/L)	MW-21	0.38	0.0658 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-22	0.38	0.129	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-22A	0.38	0.0334 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-24	0.38	0.14	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-25	0.38	0.104	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-26	0.38	0.0562 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-27	0.38	0.0347 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-28	0.38	0.0278 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-29R	0.38	0.0268 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-2A	0.38	0.0597 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-2B	0.38	0.0231 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-30R	0.38	0.0928 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-31	0.38	0.0465 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-32R	0.38	0.0374 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-33	0.38	0.0321 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Barium Total (mg/L)	MW-34	0.38	0.0877 (J)	No	141	n/a	n/a	23.4	n/a	n/a	0.00009741	NP Inter (normality) 1 of 2
Beryllium Total (ug/L)	MW-10	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-10A	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-12	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-16	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-17	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-17A	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-18A	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-19	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-19A	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-1A	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-1B	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-20AR	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-20B	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium Total (ug/L)	MW-21	1.0	0.17 (J)	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-22	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-22A	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-24	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-25	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-26	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-27	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-28	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-29R	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-2A	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-2B	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-30R	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-31	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-32R	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-33	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Beryllium Total (ug/L)	MW-34	1.0	0.5ND	No	134	n/a	n/a	100	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-10	0.0050	2E-05 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-10A	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-12	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-16	0.0050	4E-05 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-17	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-17A	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-18A	0.0050	0.00047 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-19	0.0050	2E-05 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-19A	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-1A	0.0050	5E-05 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-1B	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-20AR	0.0050	0.00026 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-20B	0.0050	0.00166	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-21	0.0050	7E-05 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-22	0.0050	0.00017 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-22A	0.0050	0.00017 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-24	0.0050	2E-05 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-25	0.0050	0.00015 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-26	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-27	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-28	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-29R	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-2A	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-2B	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-30R	0.0050	4E-05 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-31	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-32R	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-33	0.0050	0.0005ND	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cadmium Total (mg/L)	MW-34	0.0050	0.00016 (J)	No	141	n/a	n/a	91.49	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-10	0.098	0.00517 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-10A	0.098	0.00046 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-12	0.098	0.00221 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-16	0.098	0.00196 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-17	0.098	0.005ND	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium Total (mg/L)	MW-17A	0.098	0.005ND	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-18A	0.098	0.00342 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-19	0.098	0.0013 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-19A	0.098	0.005ND	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-1A	0.098	0.00291 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-1B	0.098	0.00167 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-20AR	0.098	0.005ND	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-20B	0.098	0.00171 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-21	0.098	0.0712	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-22	0.098	0.00989 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-22A	0.098	0.005ND	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-24	0.098	0.00289 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-25	0.098	0.0005 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-26	0.098	0.00261 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-27	0.098	0.005ND	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-28	0.098	0.00426 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-29R	0.098	0.00085 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-2A	0.098	0.00049 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-2B	0.098	0.00153 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-30R	0.098	0.00354 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-31	0.098	0.0121	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-32R	0.098	0.00835 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-33	0.098	0.00252 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Chromium Total (mg/L)	MW-34	0.098	0.00665 (J)	No	141	n/a	n/a	57.45	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-10	15	0.52 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-10A	15	0.05 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	**MW-12**	**15**	**47.9**	**Yes**	**134**	**n/a**	**n/a**	**70.9**	**n/a**	**n/a**	**0.0001089**	**NP Inter (NDs) 1 of 2**
Cobalt Total (ug/L)	MW-16	15	6.67 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-17	15	0.17 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-17A	15	0.1 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-18A	15	3.41 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-19	15	0.41 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-19A	15	0.54 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-1A	15	3.82 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-1B	15	13.6	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-20AR	15	1.85 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-20B	15	3.01 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	**MW-21**	**15**	**45.7**	**Yes**	**134**	**n/a**	**n/a**	**70.9**	**n/a**	**n/a**	**0.0001089**	**NP Inter (NDs) 1 of 2**
Cobalt Total (ug/L)	**MW-22**	**15**	**49.1**	**Yes**	**134**	**n/a**	**n/a**	**70.9**	**n/a**	**n/a**	**0.0001089**	**NP Inter (NDs) 1 of 2**
Cobalt Total (ug/L)	MW-22A	15	11.7	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-24	15	0.67 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-25	15	10.5	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-26	15	0.21 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-27	15	0.22 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-28	15	0.27 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-29R	15	1.06 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-2A	15	0.46 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-2B	15	9.72 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-30R	15	1.37 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-31	15	0.66 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt Total (ug/L)	MW-32R	15	1.64 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-33	15	0.58 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Cobalt Total (ug/L)	MW-34	15	2.62 (J)	No	134	n/a	n/a	70.9	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-10	0.39	0.00059 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-10A	0.39	0.0007 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-12	0.39	0.00073 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-16	0.39	0.00276 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-17	0.39	0.00051 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-17A	0.39	0.00052 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-18A	0.39	0.00292 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-19	0.39	0.00083 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-19A	0.39	0.00072 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-1A	0.39	0.00685 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-1B	0.39	0.00229 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-20AR	0.39	0.00233 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-20B	0.39	0.00159 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-21	0.39	0.168	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-22	0.39	0.0335	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-22A	0.39	0.00724 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-24	0.39	0.00097 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-25	0.39	0.00118 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-26	0.39	0.00128 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-27	0.39	0.00441 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-28	0.39	0.00055 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-29R	0.39	0.00276 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-2A	0.39	0.00085 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-2B	0.39	0.00061 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-30R	0.39	0.00888 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-31	0.39	0.00128 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-32R	0.39	0.00788 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-33	0.39	0.018	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Copper Total (mg/L)	MW-34	0.39	0.00532 (J)	No	141	n/a	n/a	62.41	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-10	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-10A	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-12	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-16	15	1.33 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-17	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-17A	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-18A	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-19	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-19A	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-1A	15	0.34 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-1B	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-20AR	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-20B	15	0.16 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-21	15	1.26 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-22	15	0.6 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-22A	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-24	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-25	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead Total (ug/L)	MW-26	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-27	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-28	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-29R	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-2A	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-2B	15	5ND	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-30R	15	0.24 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-31	15	0.13 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-32R	15	7.49 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-33	15	0.95 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Lead Total (ug/L)	MW-34	15	1.88 (J)	No	141	n/a	n/a	89.36	n/a	n/a	0.00009741	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-10	43	4.54 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-10A	43	0.78 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-12	43	4.34 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-16	43	4.44 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-17	43	1.28 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-17A	43	1.68 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-18A	43	7.9 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-19	43	23.5 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-19A	43	3 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-1A	43	6.75 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-1B	43	24.5 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-20AR	43	26.5 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-20B	43	40.8 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	**MW-21**	**43**	**63.9**	**Yes**	**134**	**n/a**	**n/a**	**52.24**	**n/a**	**n/a**	**0.0001089**	**NP Inter (NDs) 1 of 2**
Nickel Total (ug/L)	MW-22	43	33.6 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	**MW-22A**	**43**	**66.4**	**Yes**	**134**	**n/a**	**n/a**	**52.24**	**n/a**	**n/a**	**0.0001089**	**NP Inter (NDs) 1 of 2**
Nickel Total (ug/L)	MW-24	43	4.46 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-25	43	18.2 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-26	43	3.91 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-27	43	3.06 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-28	43	7.61 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-29R	43	4.44 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-2A	43	5.77 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-2B	43	6.57 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-30R	43	7.52 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-31	43	7.94 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-32R	43	11.9 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-33	43	3.27 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Nickel Total (ug/L)	MW-34	43	5.23 (J)	No	134	n/a	n/a	52.24	n/a	n/a	0.0001089	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-10	12	1.18 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-10A	12	1.18 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-12	12	1.4 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-16	12	2.23 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-17	12	1.35 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-17A	12	1.38 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-18A	12	5.74 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-19	12	2.73 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-19A	12	1.1 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-1A	12	1.95 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium Total (ug/L)	MW-1B	12	1.43 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-20AR	12	1.23 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-20B	12	1.97 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-21	12	5.45 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-22	12	2.35 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-22A	12	2.56 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-24	12	2.21 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-25	12	2.25 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-26	12	1.35 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-27	12	5ND	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-28	12	5ND	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-29R	12	5ND	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-2A	12	2.67 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-2B	12	1.31 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-30R	12	1.11 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-31	12	0.71 (J)	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-32R	12	5ND	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-33	12	5ND	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Selenium Total (ug/L)	MW-34	12	5ND	No	139	n/a	n/a	90.65	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-10	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-10A	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-12	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-16	0.015	2E-05 (J)	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-17	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-17A	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-18A	0.015	7E-05 (J)	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-19	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-19A	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-1A	0.015	2E-05 (J)	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-1B	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-20AR	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-20B	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-21	0.015	0.00019 (J)	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-22	0.015	7E-05 (J)	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-22A	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-24	0.015	3E-05 (J)	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-25	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-26	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-27	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-28	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-29R	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-2A	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-2B	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-30R	0.015	2E-05 (J)	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-31	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-32R	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-33	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Silver Total (mg/L)	MW-34	0.015	0.005ND	No	139	n/a	n/a	93.53	n/a	n/a	0.0001003	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-10	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-10A	5.0	0.05 (J)	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium Total (ug/L)	MW-12	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-16	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-17	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-17A	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-18A	5.0	0.03 (J)	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-19	5.0	0.05 (J)	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-19A	5.0	0.19 (J)	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-1A	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-1B	5.0	0.24 (J)	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-20AR	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-20B	5.0	0.1 (J)	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-21	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-22	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-22A	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-24	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-25	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-26	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-27	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-28	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-29R	5.0	0.12 (J)	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-2A	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-2B	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-30R	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-31	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-32R	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-33	5.0	2.75ND	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Thallium Total (ug/L)	MW-34	5.0	0.09 (J)	No	130	n/a	n/a	96.92	n/a	n/a	0.0001158	NP Inter (NDs) 1 of 2
Vanadium Total (ug/L)	MW-10	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-10A	33	1.99 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-12	33	4.68 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-16	33	11.7 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-17	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-17A	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-18A	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-19	33	1.94 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-19A	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-1A	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-1B	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-20AR	33	2.96 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-20B	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-21	33	8.76 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-22	33	21.8 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-22A	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-24	33	2.28 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-25	33	2.13 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-26	33	8.11 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-27	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-28	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-29R	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-2A	33	5.25 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2

Inter-Well Prediction Limit Summary Table

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS Printed 6/23/2011, 9:06 AM

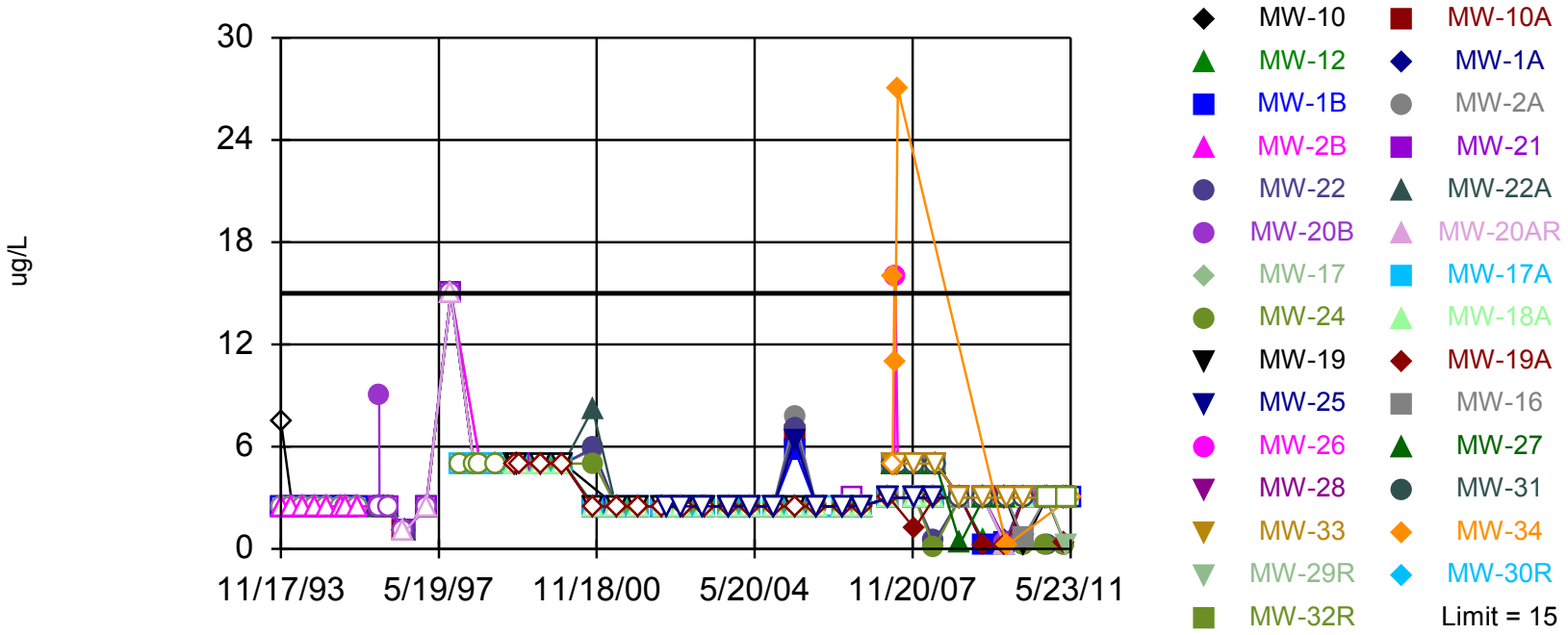
Constituent	Well	Upper Lim.	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium Total (ug/L)	MW-2B	33	3.7 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-30R	33	7.67 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-31	33	2.88 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-32R	33	4.17 (J)	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-33	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Vanadium Total (ug/L)	MW-34	33	12.5ND	No	134	n/a	n/a	29.85	n/a	n/a	0.0001089	NP Inter (normality) 1 of 2
Zinc Total (mg/L)	MW-10	0.61	0.00265 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-10A	0.61	0.00443 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-12	0.61	0.005ND	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-16	0.61	0.0147	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-17	0.61	0.00241 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-17A	0.61	0.0021 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-18A	0.61	0.0269	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-19	0.61	0.005ND	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-19A	0.61	0.197	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-1A	0.61	0.00447 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-1B	0.61	0.00646 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-20AR	0.61	0.0172	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-20B	0.61	0.0332	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-21	0.61	0.0313	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-22	0.61	0.0128	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-22A	0.61	0.00626 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-24	0.61	0.0021 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-25	0.61	0.00371 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-26	0.61	0.005ND	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-27	0.61	0.005ND	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-28	0.61	0.005ND	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-29R	0.61	0.005ND	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-2A	0.61	0.005ND	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-2B	0.61	0.005ND	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-30R	0.61	0.0233	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-31	0.61	0.00541 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-32R	0.61	0.00356 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-33	0.61	0.00541 (J)	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2
Zinc Total (mg/L)	MW-34	0.61	0.0123	No	136	n/a	n/a	57.35	n/a	n/a	0.0001054	NP Inter (NDs) 1 of 2

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 134 background values. 91.79% NDs. Annual per-constituent alpha = 0.006296. Individual comparison alpha = 0.0001089 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Antimony Total Analysis Run 6/23/2011 9:02 AM

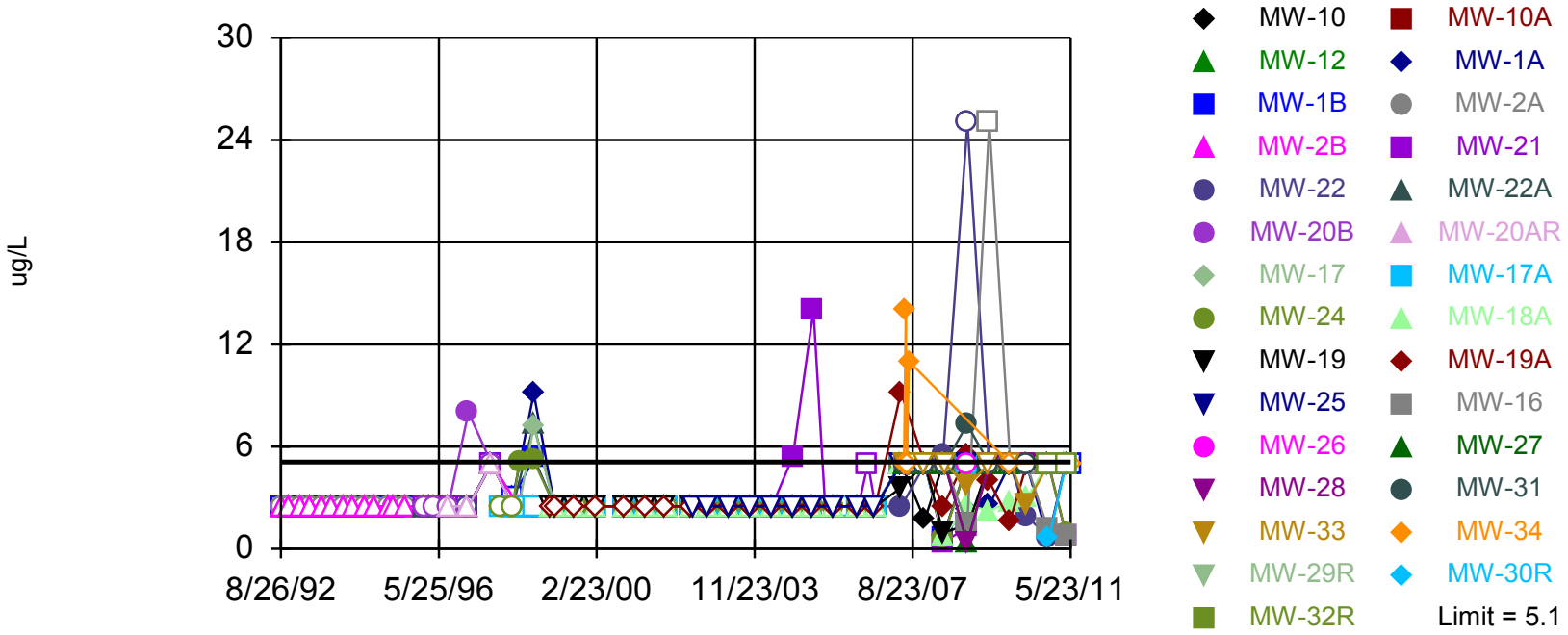
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 139 background values. 97.12% NDs. Annual per-constituent alpha = 0.005799. Individual comparison alpha = 0.0001003 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Arsenic Total Analysis Run 6/23/2011 9:02 AM

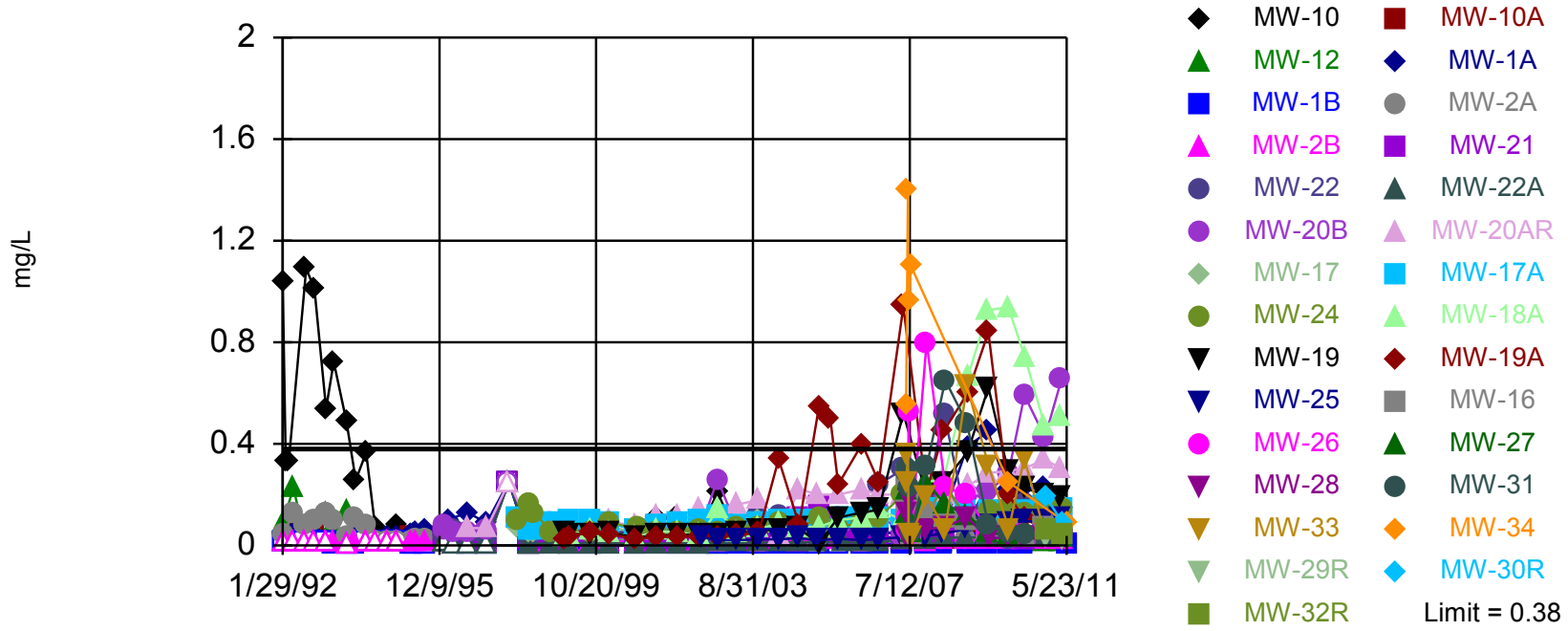
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-20B, MW-18A

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 141 background values. 23.4% NDs. Annual per-constituent alpha = 0.005634. Individual comparison alpha = 0.00009741 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Barium Total Analysis Run 6/23/2011 9:03 AM

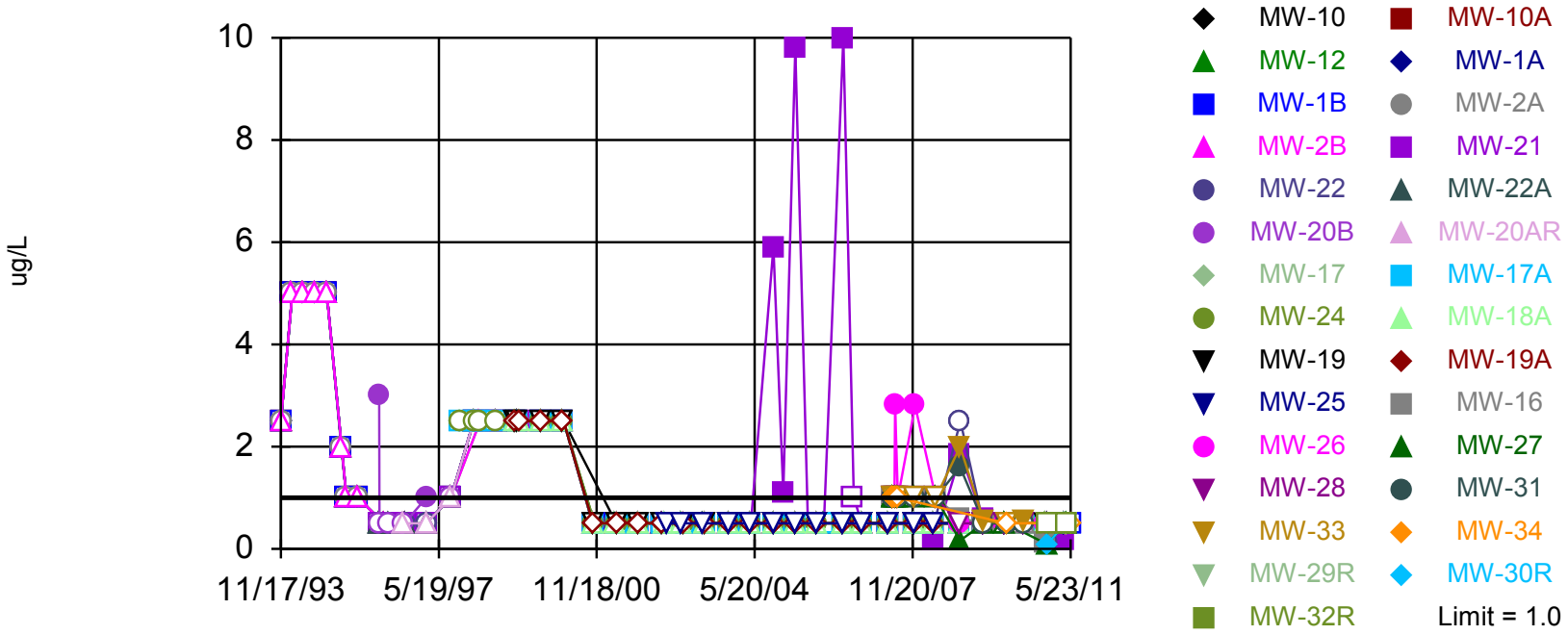
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. Annual per-constituent alpha = 0.006296. Individual comparison alpha = 0.0001089 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Beryllium Total Analysis Run 6/23/2011 9:03 AM

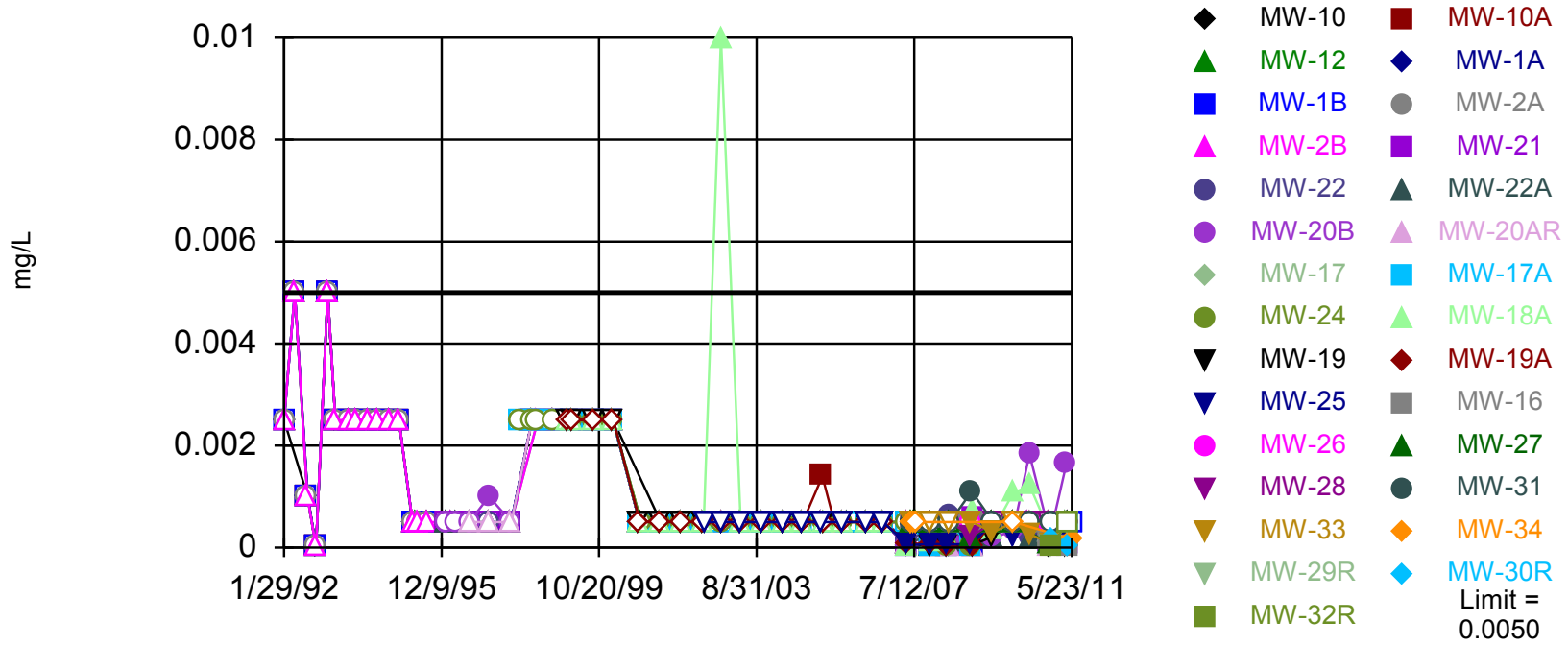
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 141 background values. 91.49% NDs. Annual per-constituent alpha = 0.005634. Individual comparison alpha = 0.00009741 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cadmium Total Analysis Run 6/23/2011 9:03 AM

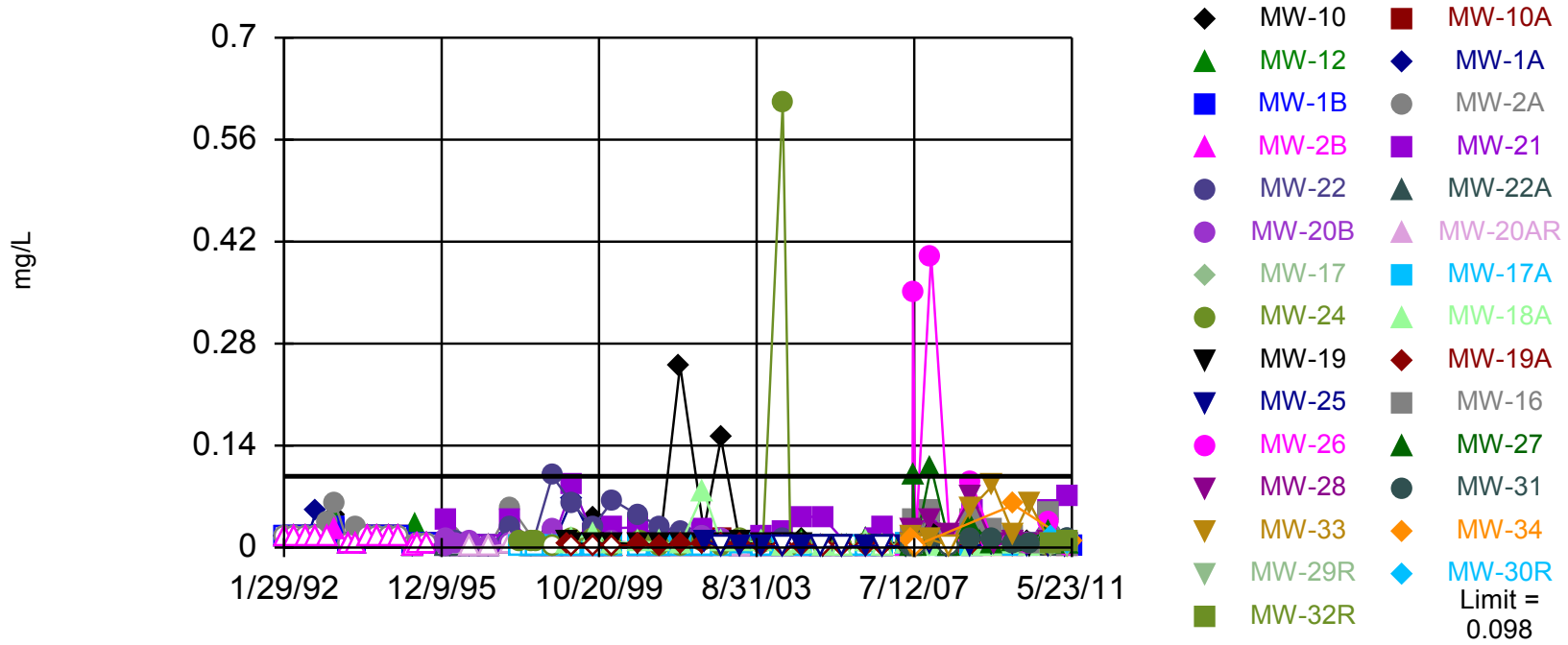
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 141 background values. 57.45% NDs. Annual per-constituent alpha = 0.005634. Individual comparison alpha = 0.00009741 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chromium Total Analysis Run 6/23/2011 9:03 AM

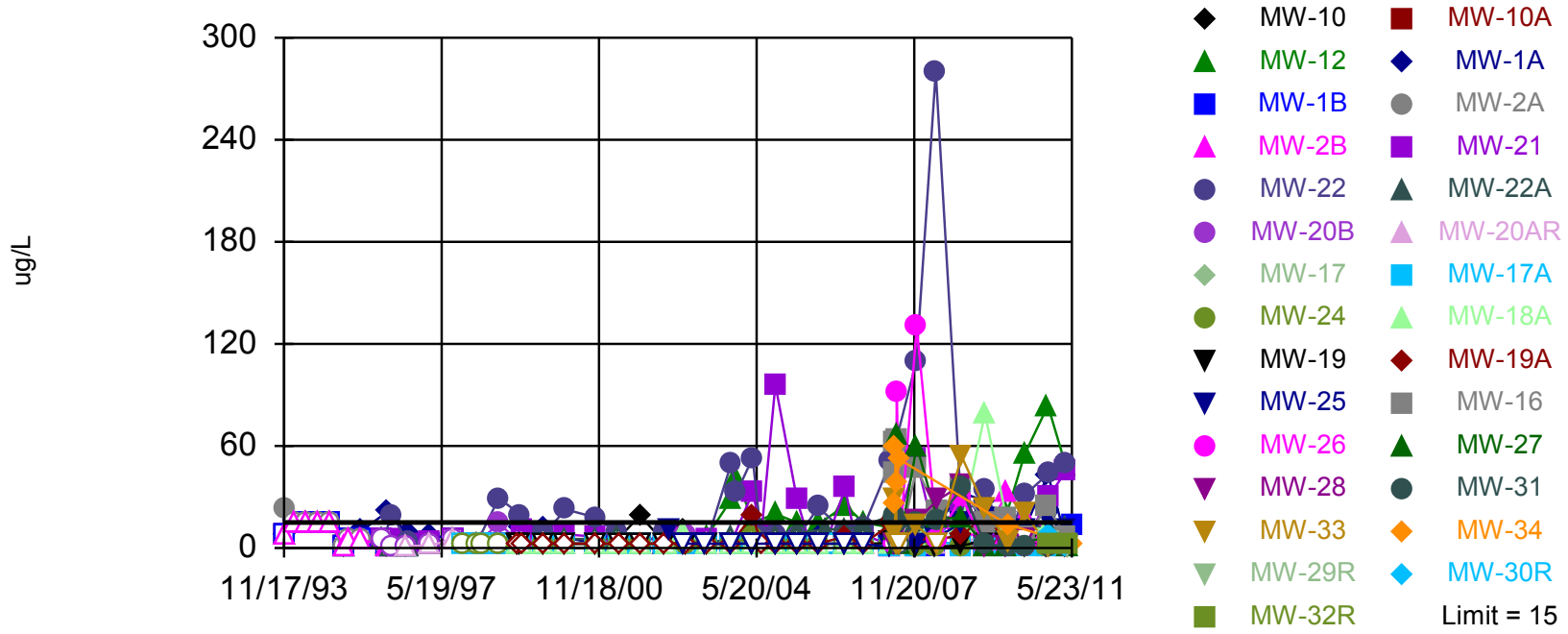
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-12, MW-21, MW-22

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 134 background values. 70.9% NDs. Annual per-constituent alpha = 0.006296. Individual comparison alpha = 0.0001089 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Cobalt Total Analysis Run 6/23/2011 9:03 AM

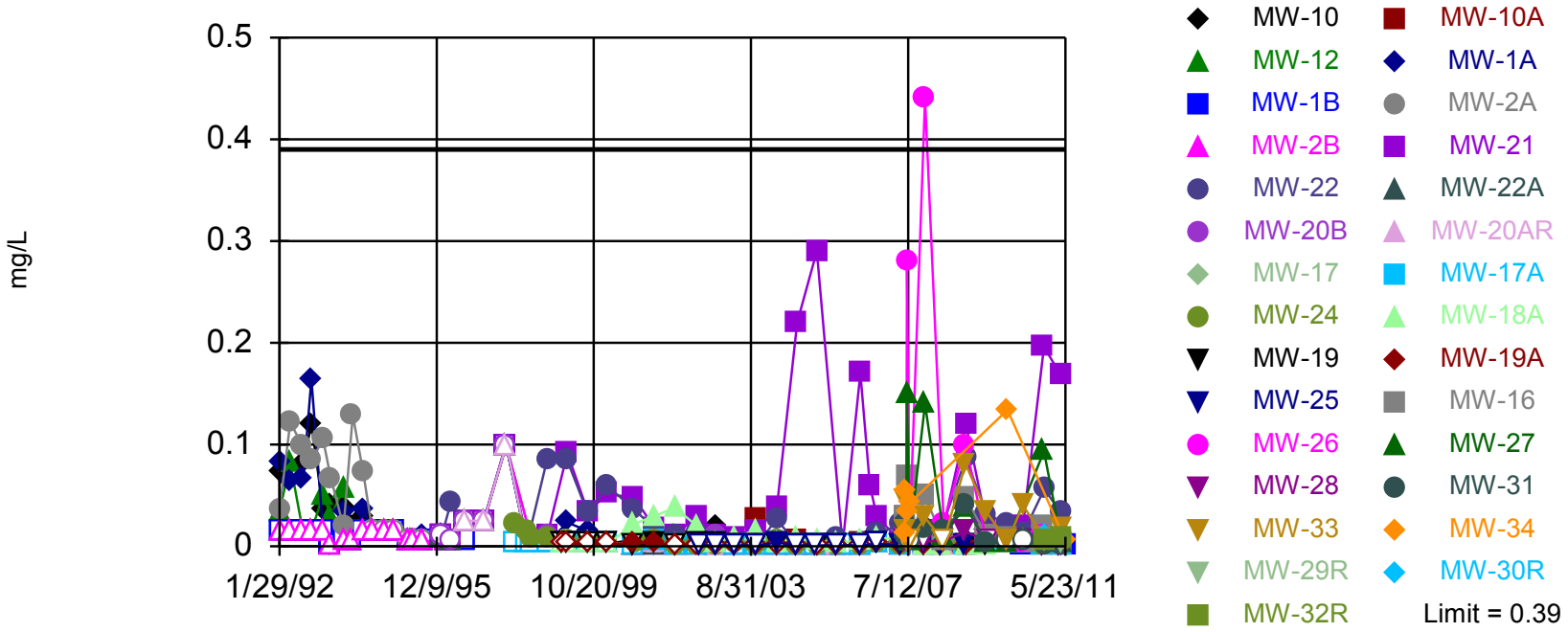
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 141 background values. 62.41% NDs. Annual per-constituent alpha = 0.005634. Individual comparison alpha = 0.00009741 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Copper Total Analysis Run 6/23/2011 9:03 AM

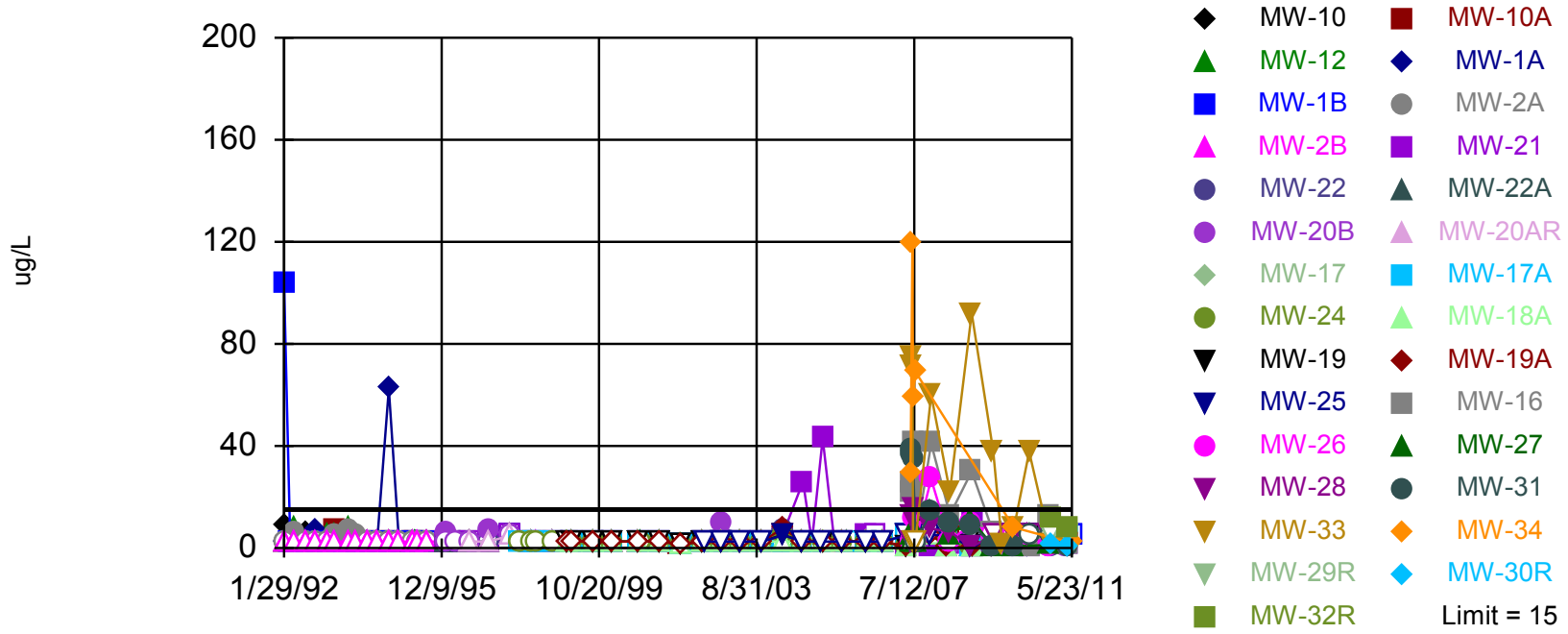
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 141 background values. 89.36% NDs. Annual per-constituent alpha = 0.005634. Individual comparison alpha = 0.00009741 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Lead Total Analysis Run 6/23/2011 9:03 AM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

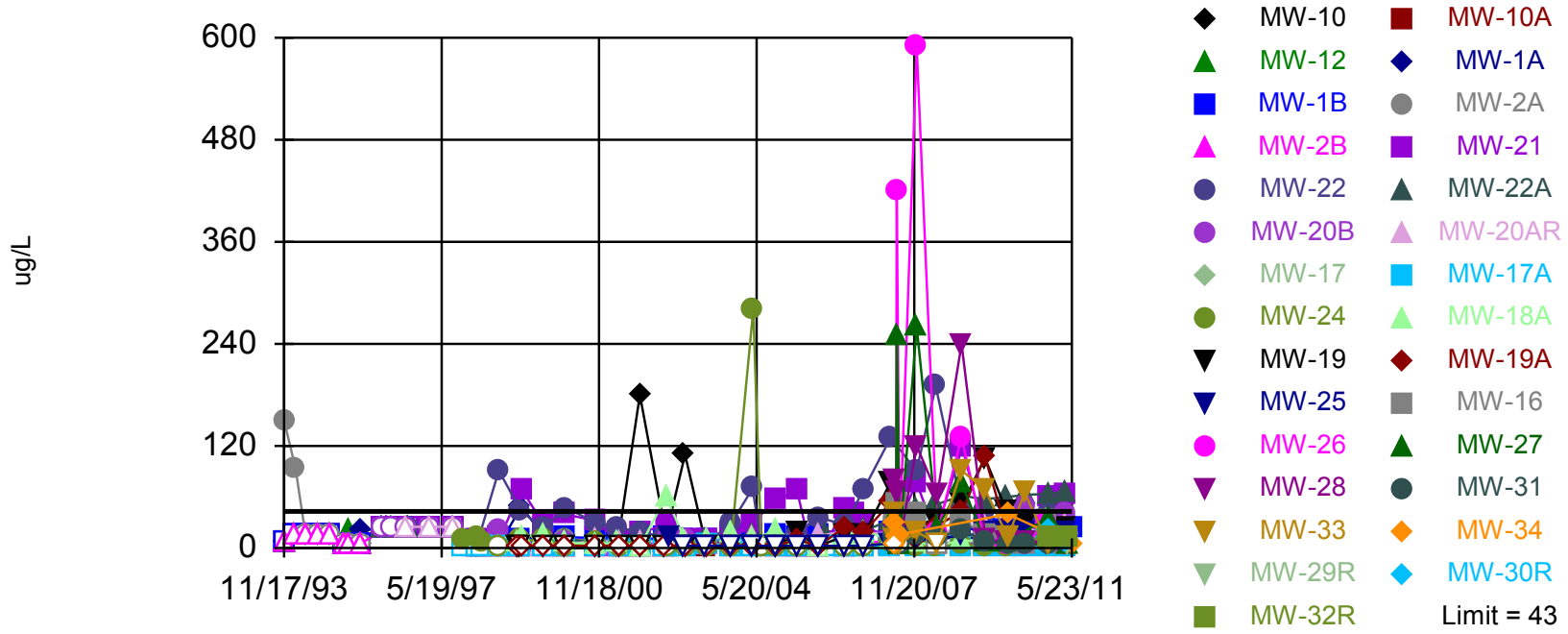
v.9.2.10 n/a. UG

Hollow symbols indicate censored values.

Exceeds Limit: MW-21, MW-22A

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 134 background values. 52.24% NDs. Annual per-constituent alpha = 0.006296. Individual comparison alpha = 0.0001089 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Nickel Total Analysis Run 6/23/2011 9:03 AM

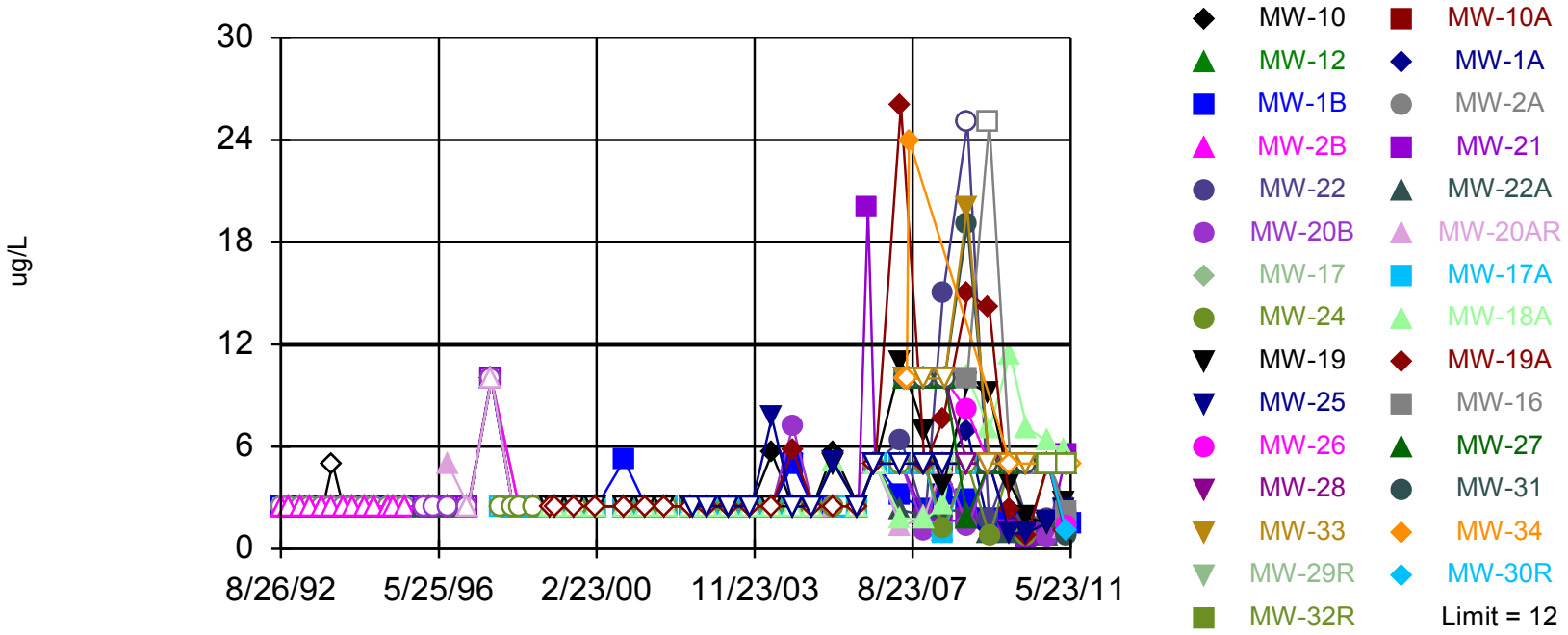
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 139 background values. 90.65% NDs. Annual per-constituent alpha = 0.005799. Individual comparison alpha = 0.0001003 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Selenium Total Analysis Run 6/23/2011 9:03 AM

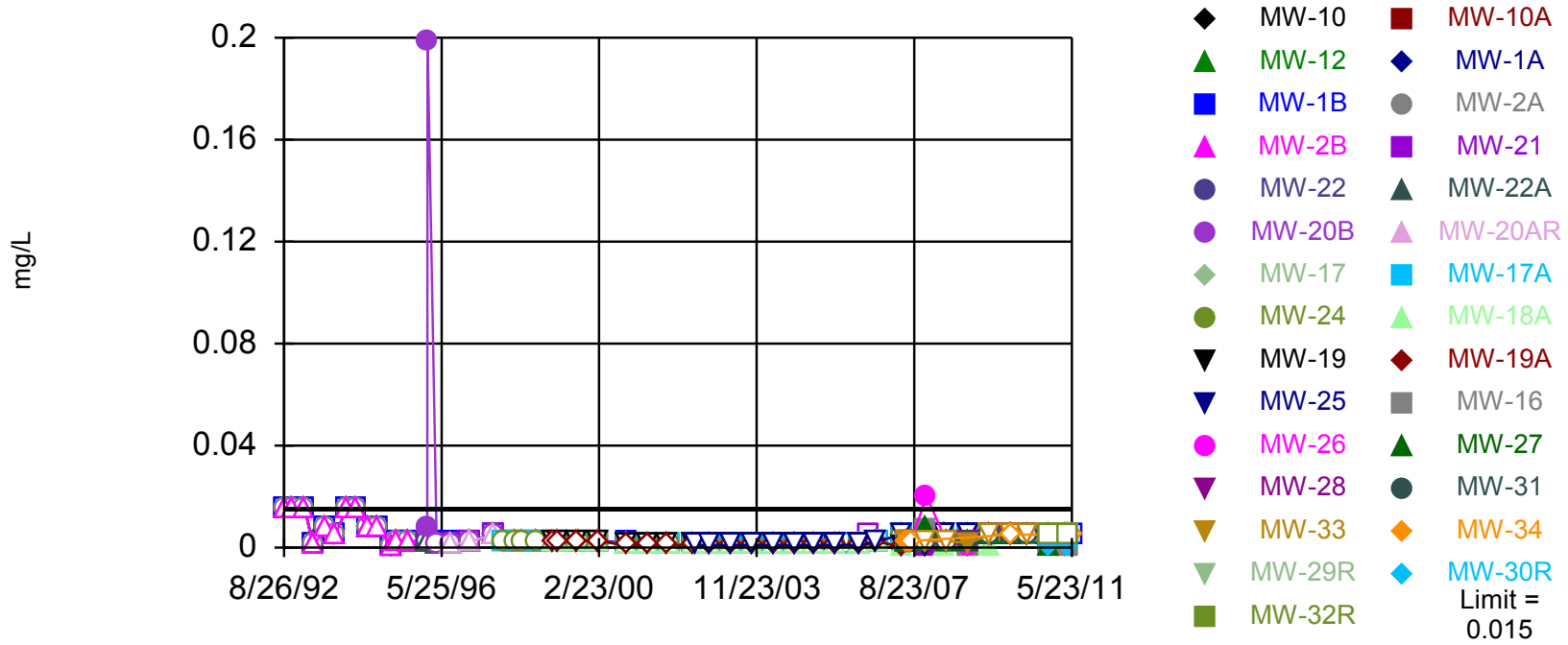
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 139 background values. 93.53% NDs. Annual per-constituent alpha = 0.005799. Individual comparison alpha = 0.0001003 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Silver Total Analysis Run 6/23/2011 9:03 AM

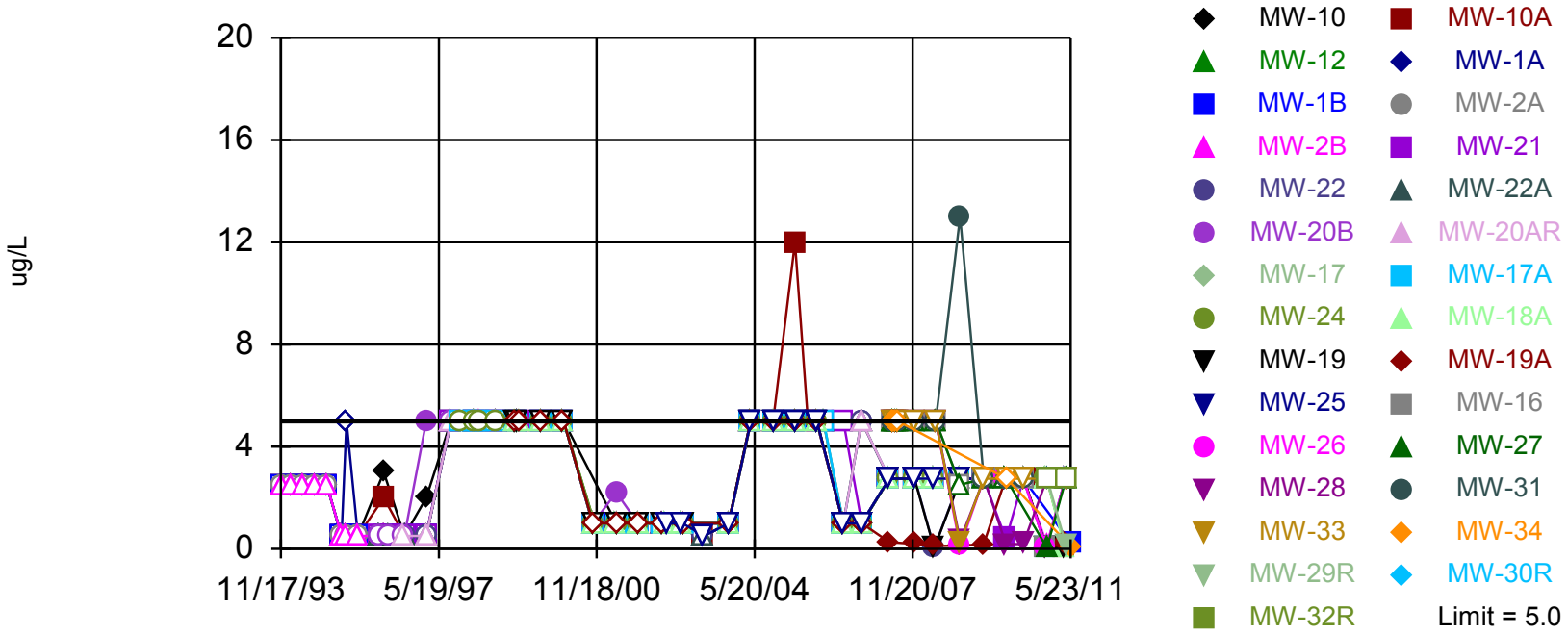
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 130 background values. 96.92% NDs. Annual per-constituent alpha = 0.006693. Individual comparison alpha = 0.0001158 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Thallium Total Analysis Run 6/23/2011 9:03 AM

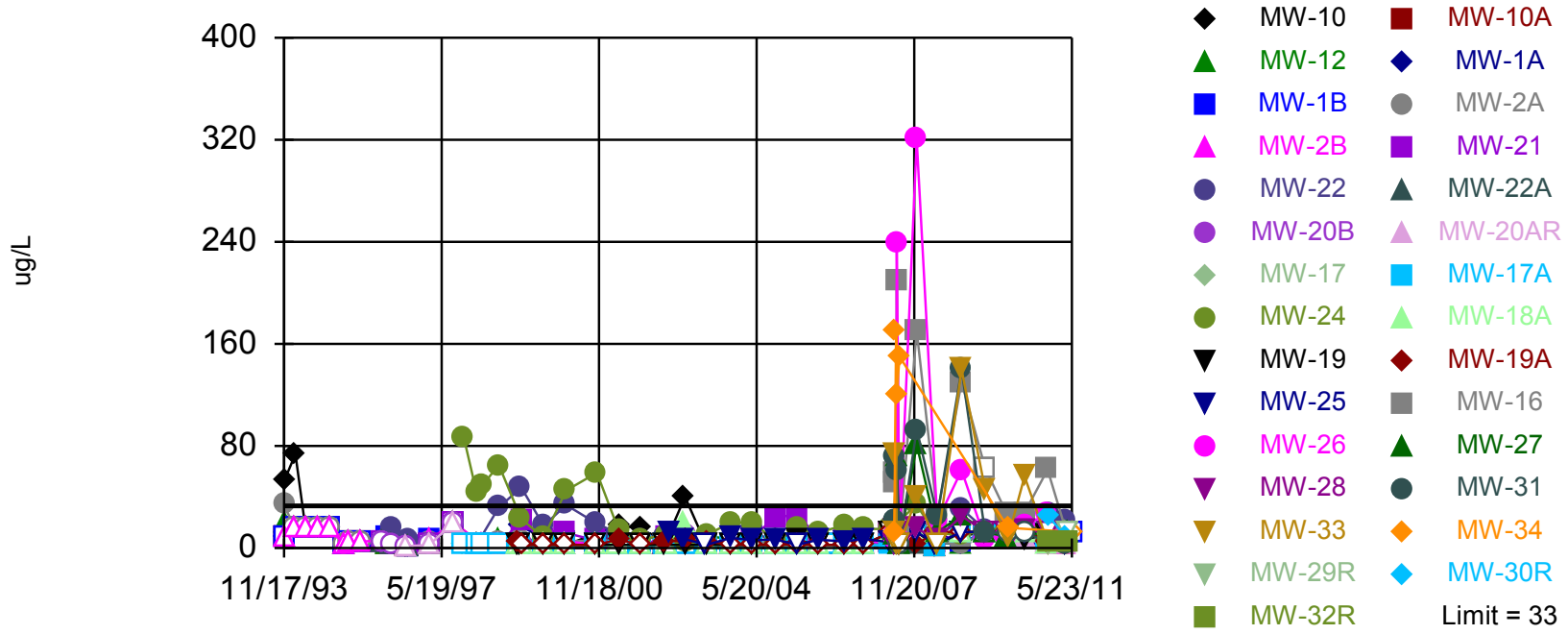
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 134 background values. 29.85% NDs. Annual per-constituent alpha = 0.006296. Individual comparison alpha = 0.0001089 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Vanadium Total Analysis Run 6/23/2011 9:04 AM

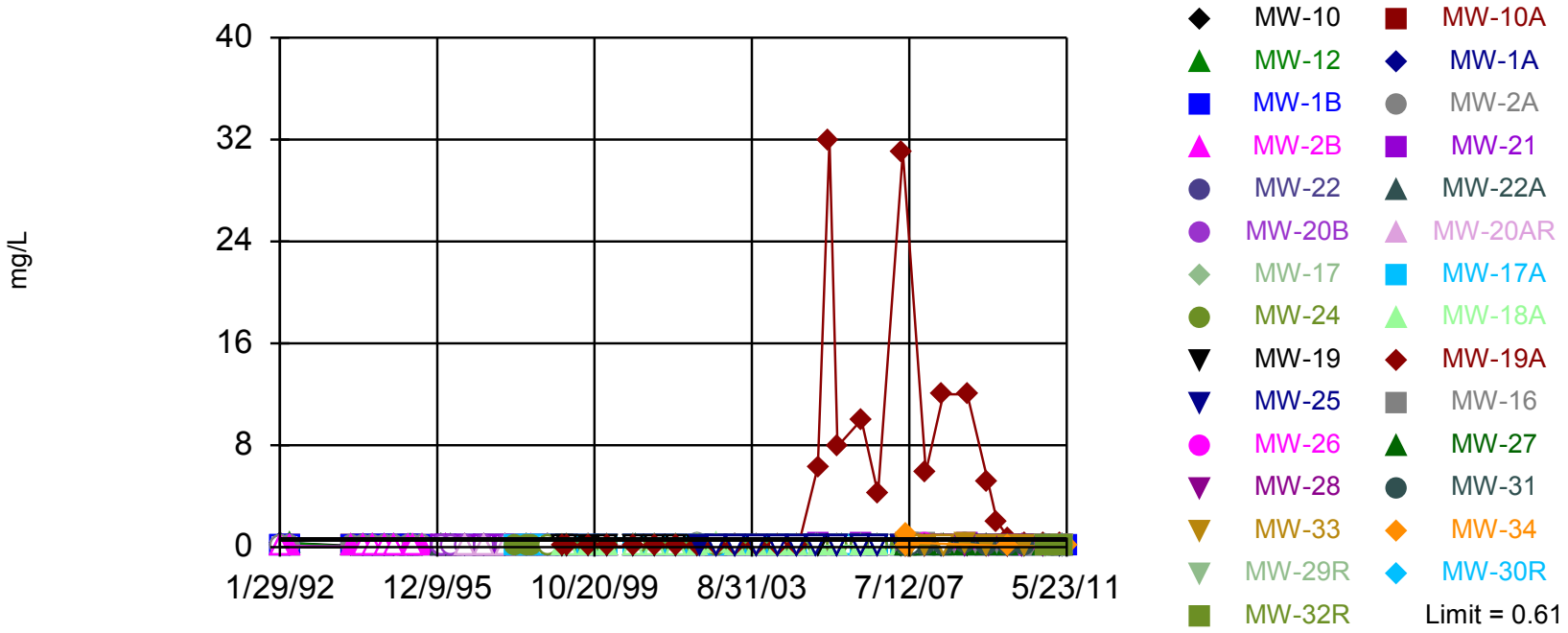
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 136 background values. 57.35% NDs. Annual per-constituent alpha = 0.006097. Individual comparison alpha = 0.0001054 (1 of 2). Comparing 29 points to limit. After outlier removal distribution was non-normal, so outlier results were invalidated.

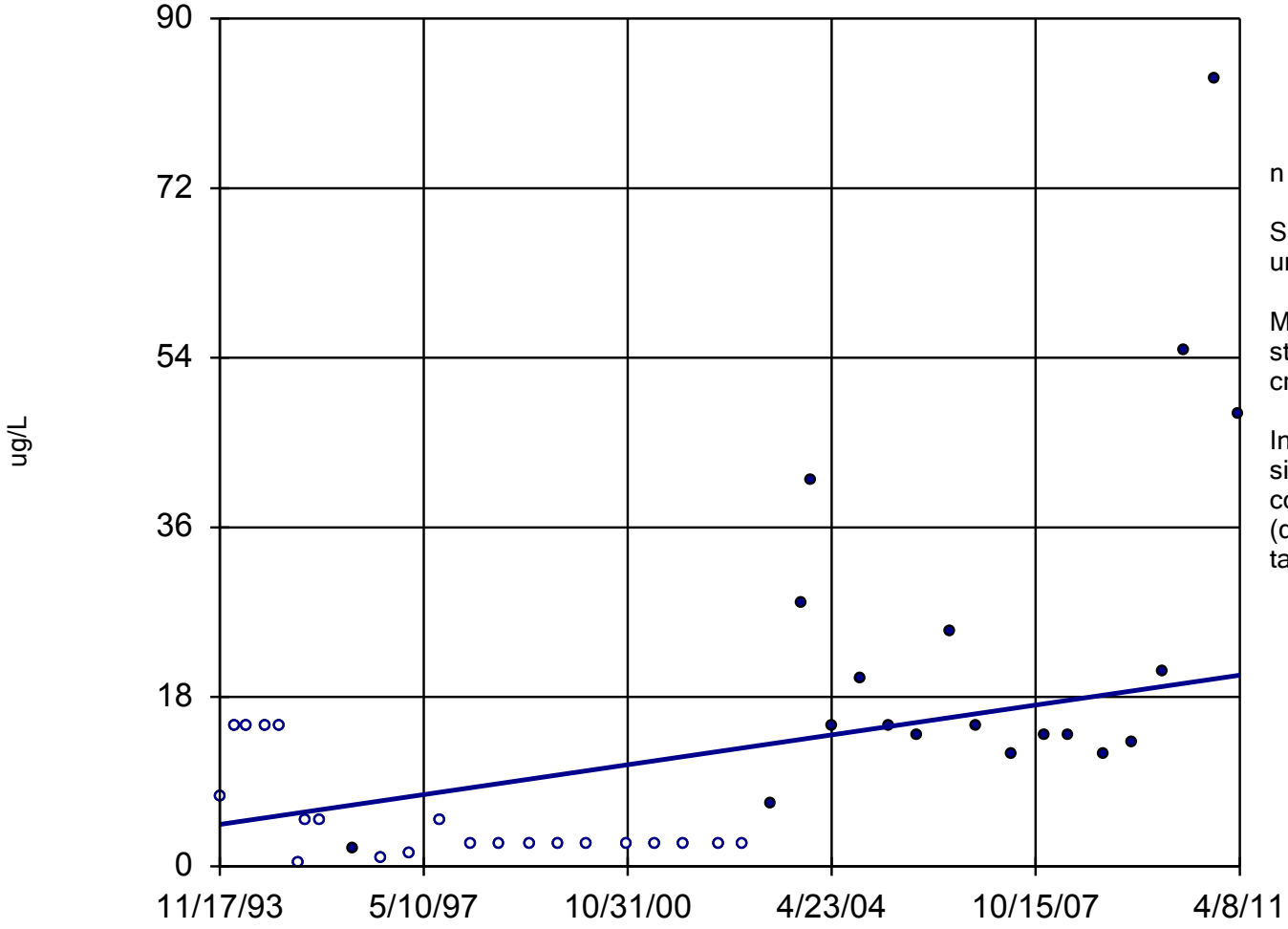
Constituent: Zinc Total Analysis Run 6/23/2011 9:04 AM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-12



n = 40

Slope = 0.9105 units per year.

Mann-Kendall statistic = 272
critical = 201

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

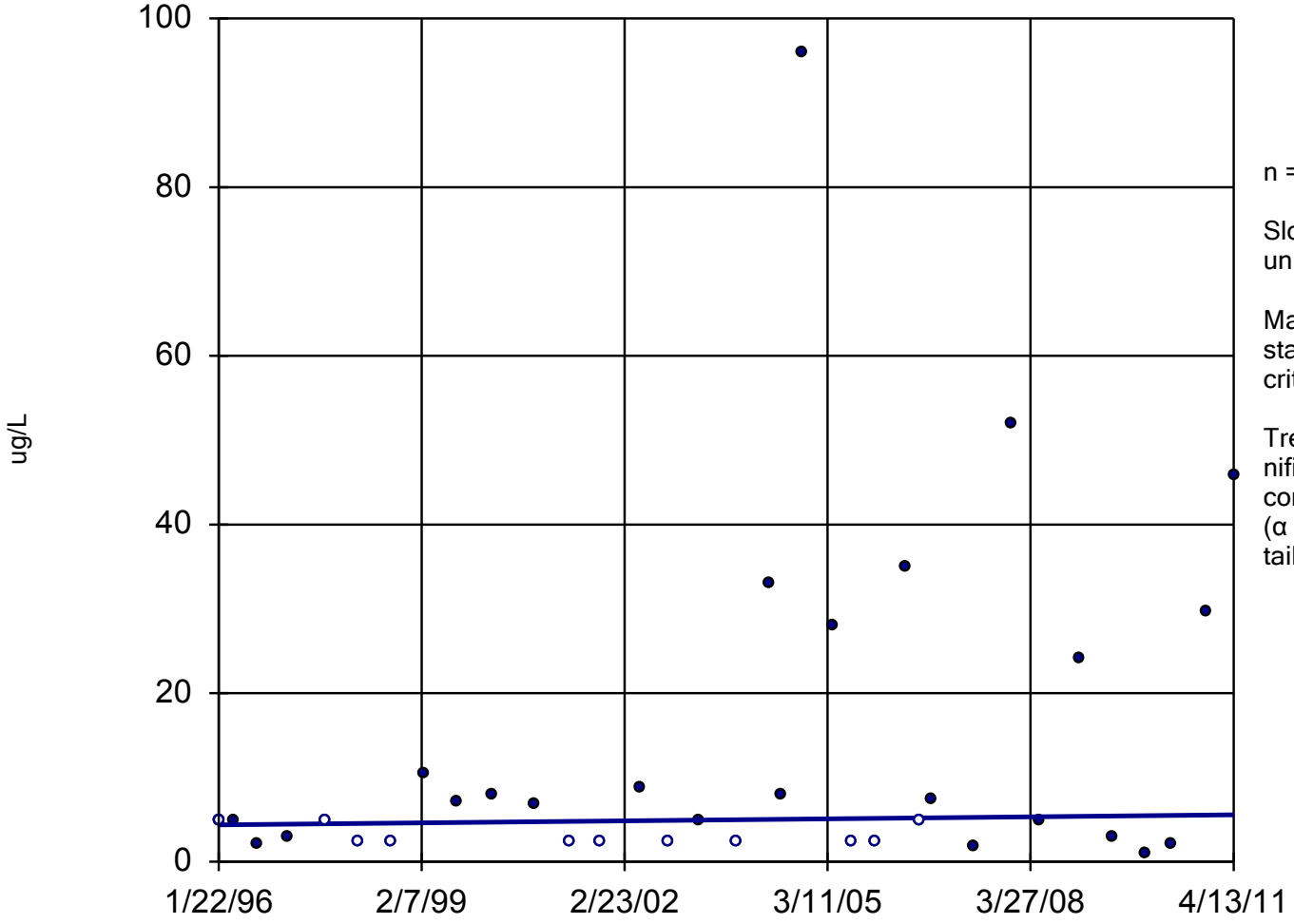
Constituent: Cobalt Total Analysis Run 5/12/2011 3:03 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-21



n = 36

Slope = 0.07784 units per year.

Mann-Kendall statistic = 65
critical = 171

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

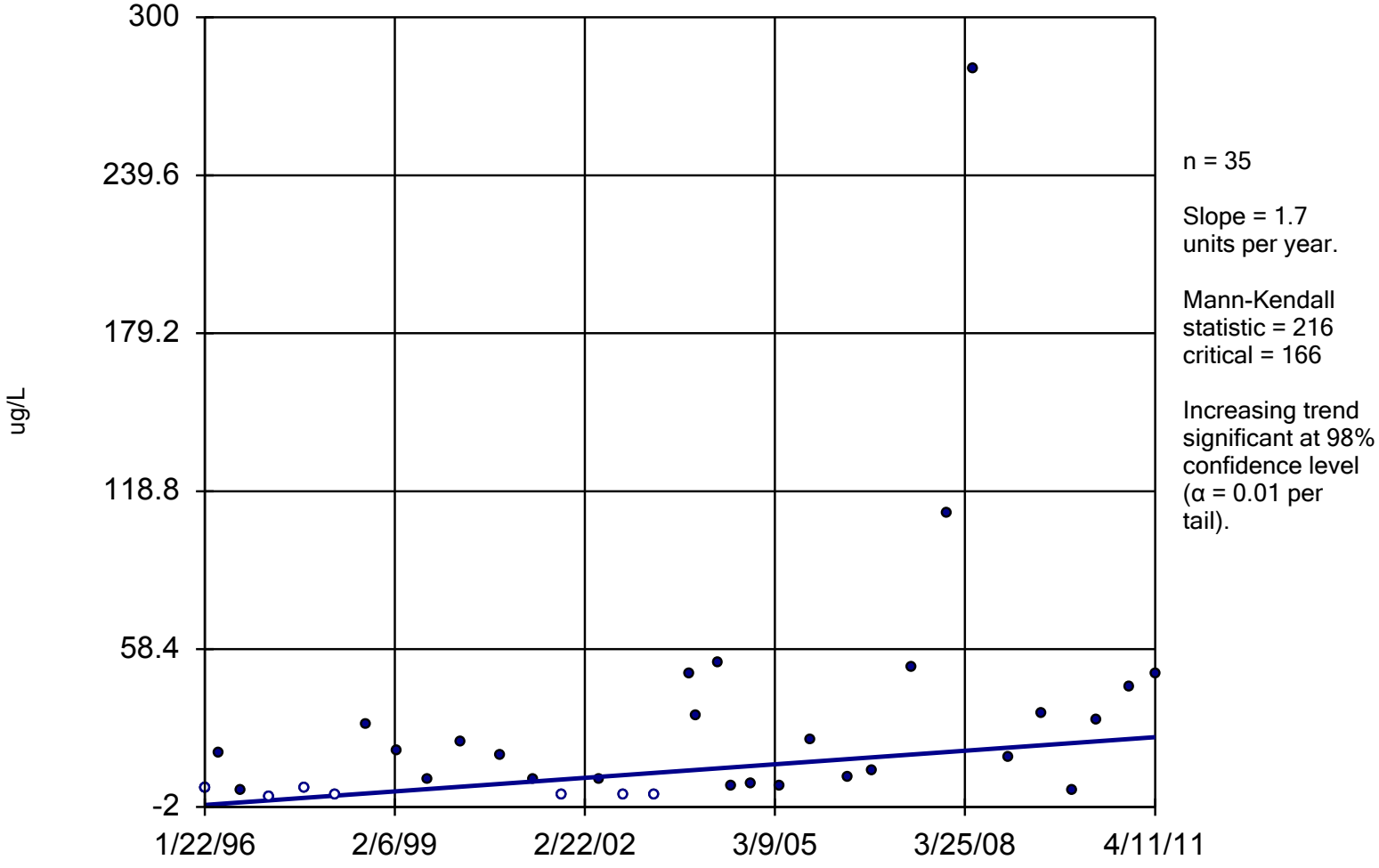
Constituent: Cobalt Total Analysis Run 5/12/2011 3:04 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-22



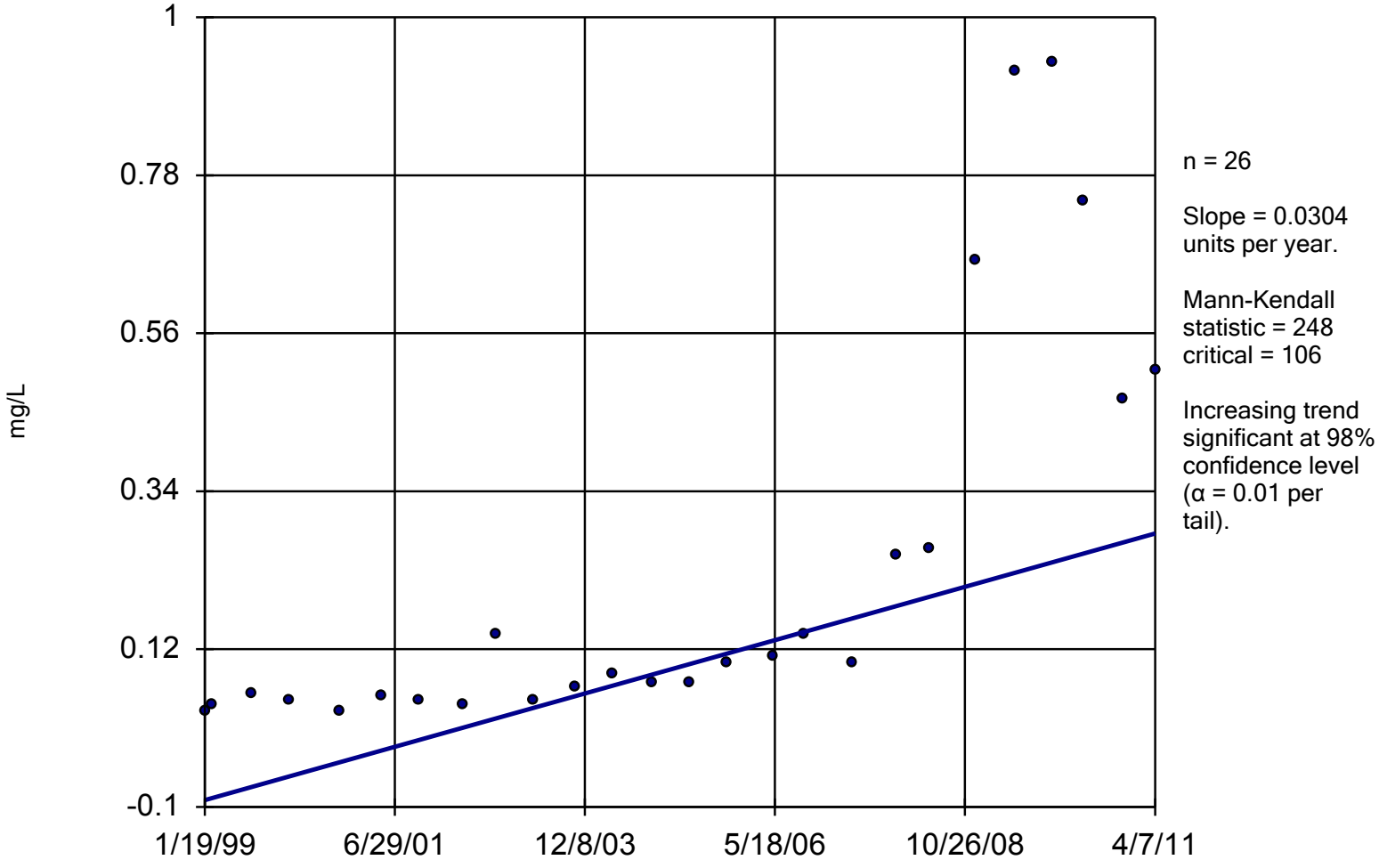
Constituent: Cobalt Total Analysis Run 5/12/2011 3:05 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG

Sen's Slope Estimator

MW-18A



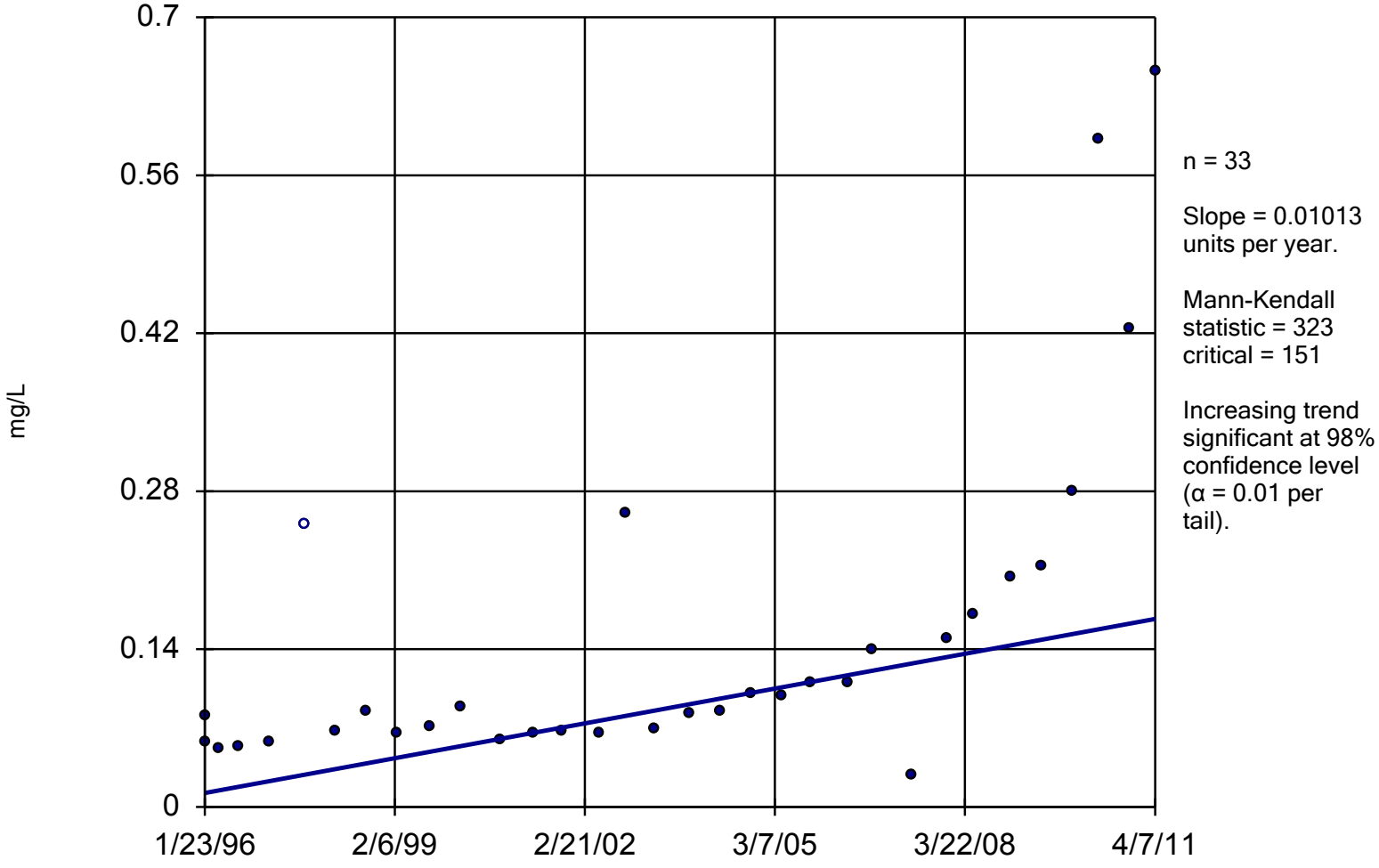
Constituent: Barium Total Analysis Run 5/12/2011 3:06 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-20B



n = 33

Slope = 0.01013 units per year.

Mann-Kendall statistic = 323
critical = 151

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

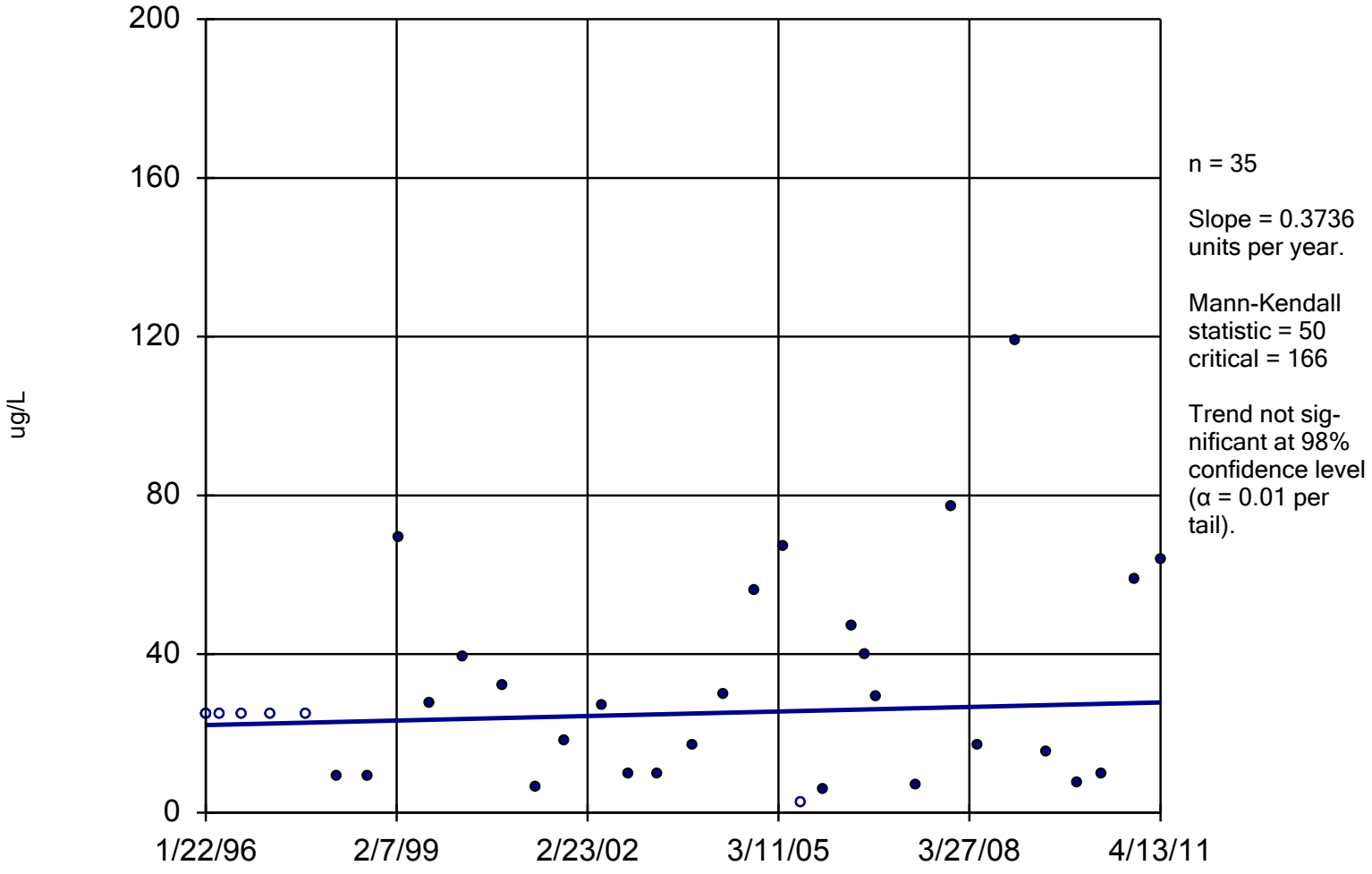
Constituent: Barium Total Analysis Run 5/12/2011 3:06 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-21



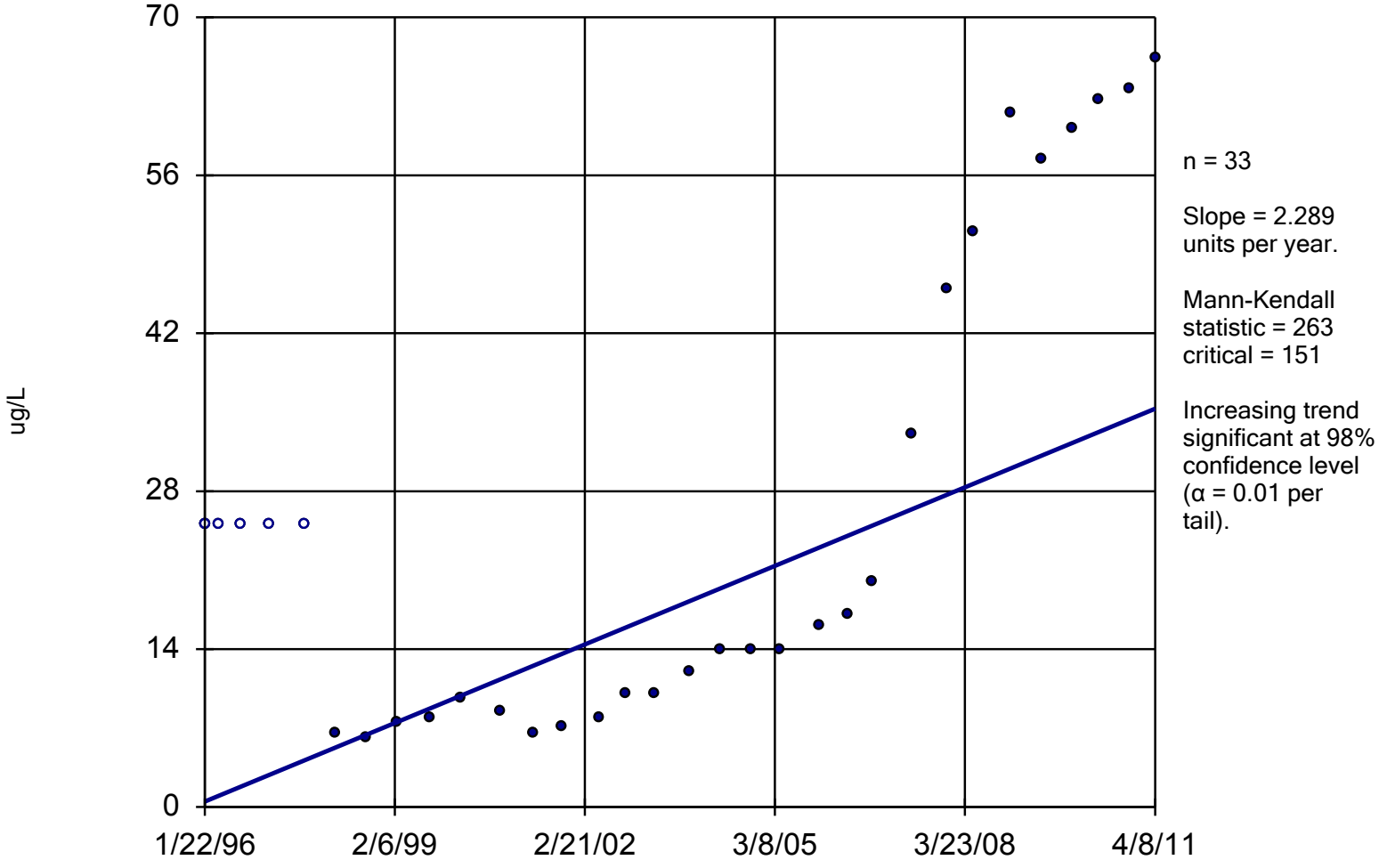
Constituent: Nickel Total Analysis Run 5/12/2011 3:06 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-22A

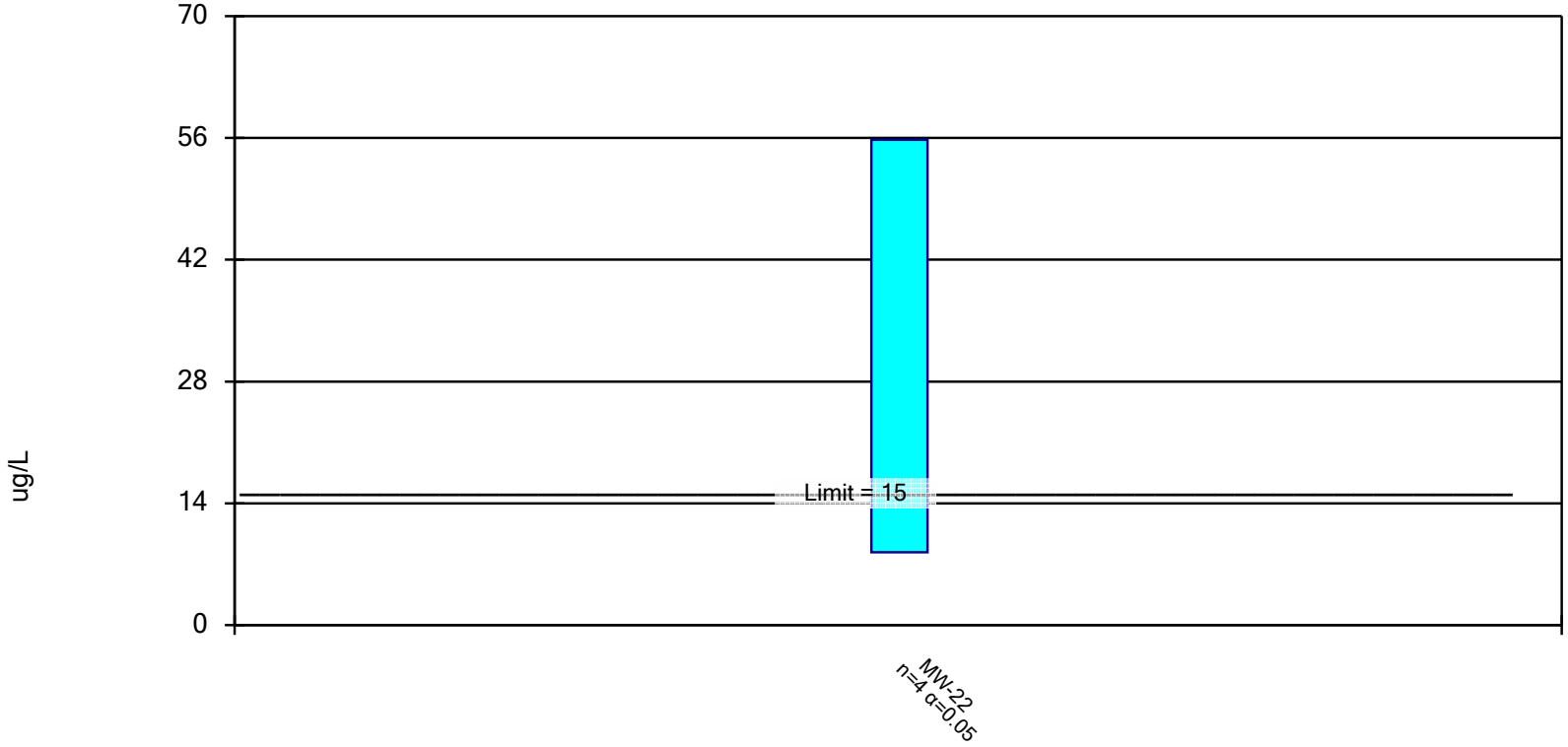


Constituent: Nickel Total Analysis Run 5/12/2011 3:06 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Parametric Confidence Interval

Compliance Limit is not exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Total Analysis Run 5/13/2011 2:37 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Confidence Interval

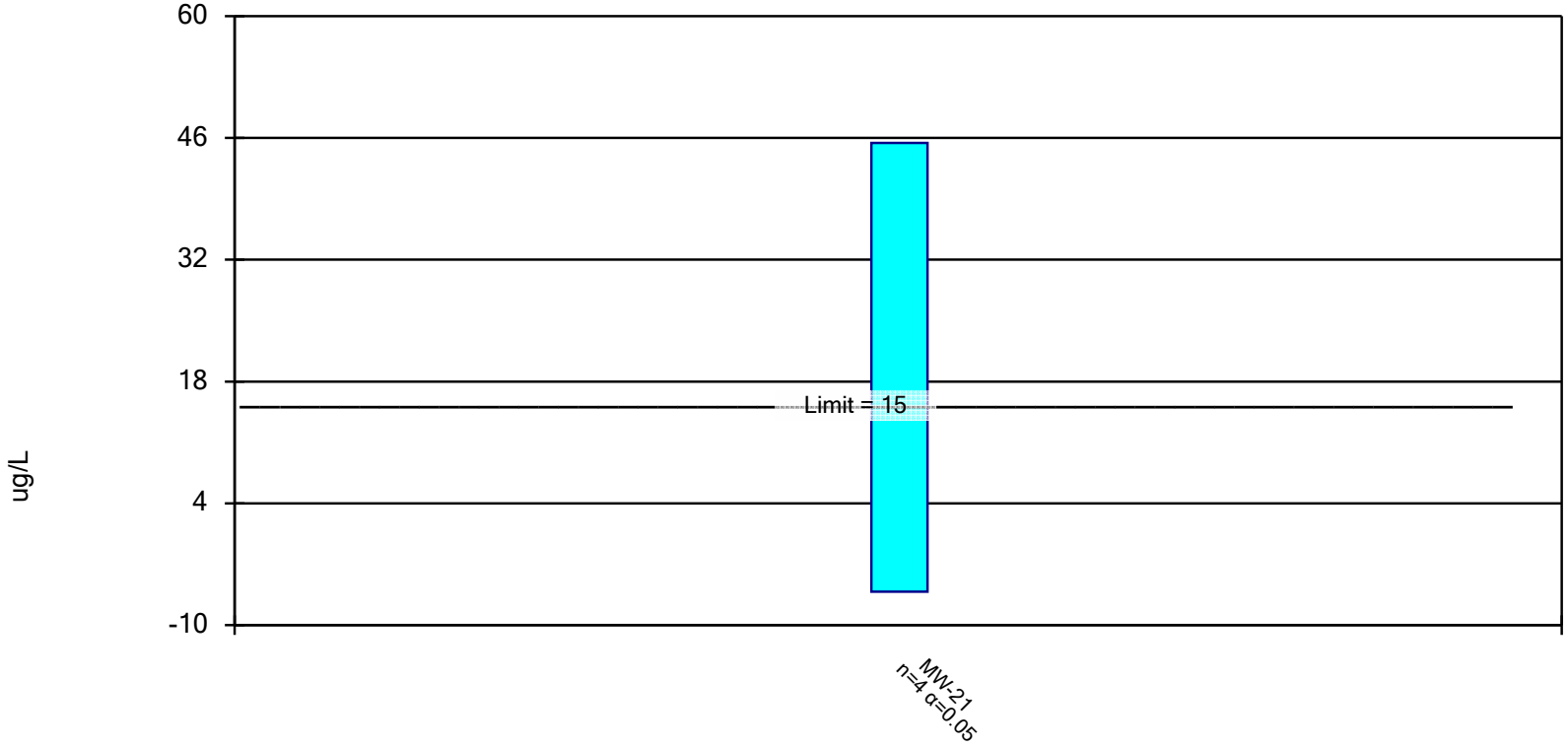
Constituent: Cobalt Total (ug/L) Analysis Run 5/13/2011 2:37 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-22
12/15/2009	3.95 (J)
5/11/2010	31.5
11/15/2010	43.8
4/11/2011	49.1
Mean	32.09
Std. Dev.	20.15
Upper Lim.	55.8
Lower Lim.	8.371

Parametric Confidence Interval

Compliance Limit is not exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Total Analysis Run 5/13/2011 2:39 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Confidence Interval

Constituent: Cobalt Total (ug/L) Analysis Run 5/13/2011 2:39 PM

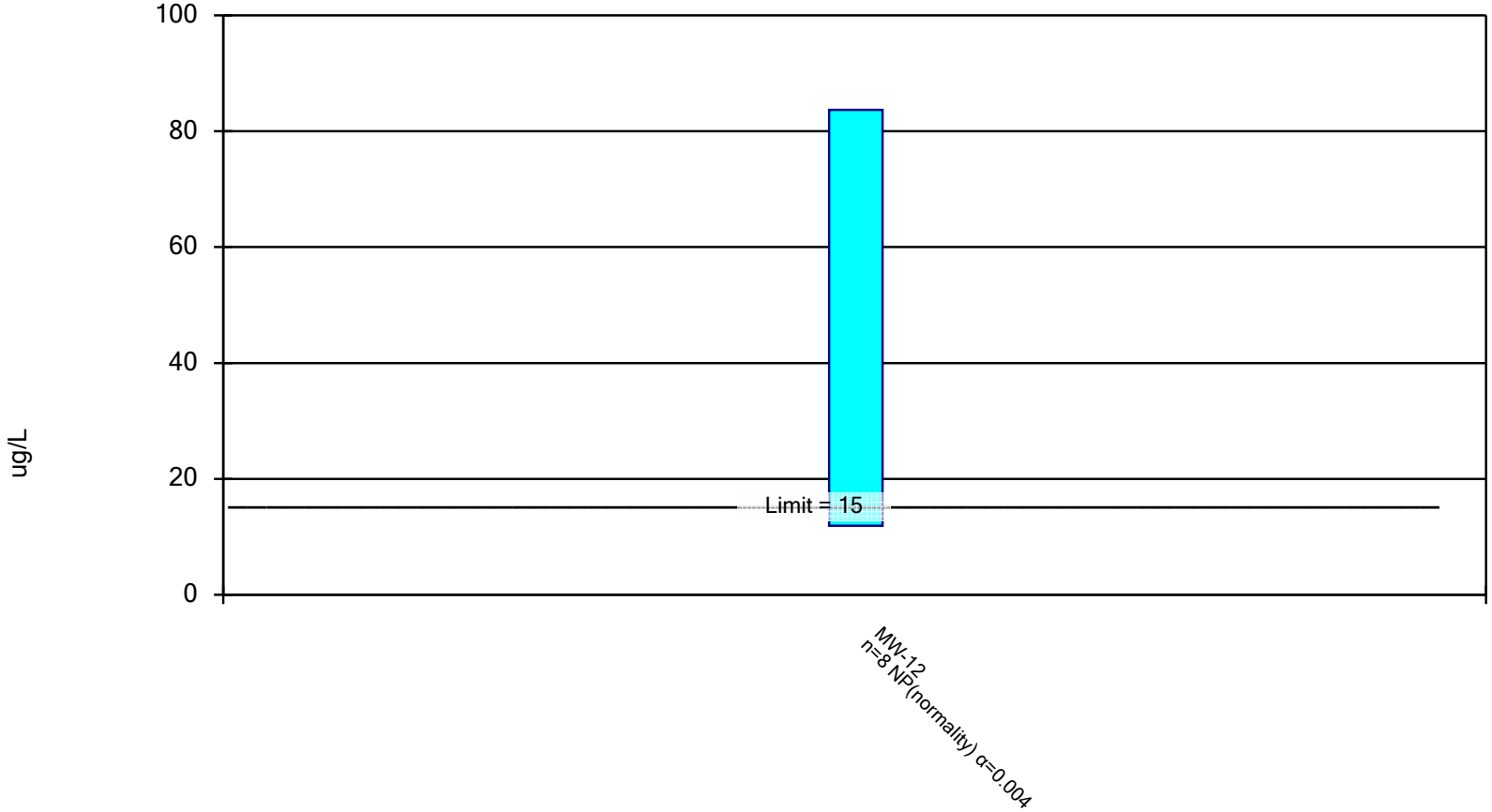
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-21
12/16/2009	0.95 (J)
5/7/2010	2.06 (J)
11/12/2010	29.8
4/13/2011	45.7
Mean	19.63
Std. Dev.	21.91
Upper Lim.	45.41
Lower Lim.	-6.159

v.9.2.10 n/a. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Cobalt Total Analysis Run 5/13/2011 2:40 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Confidence Interval

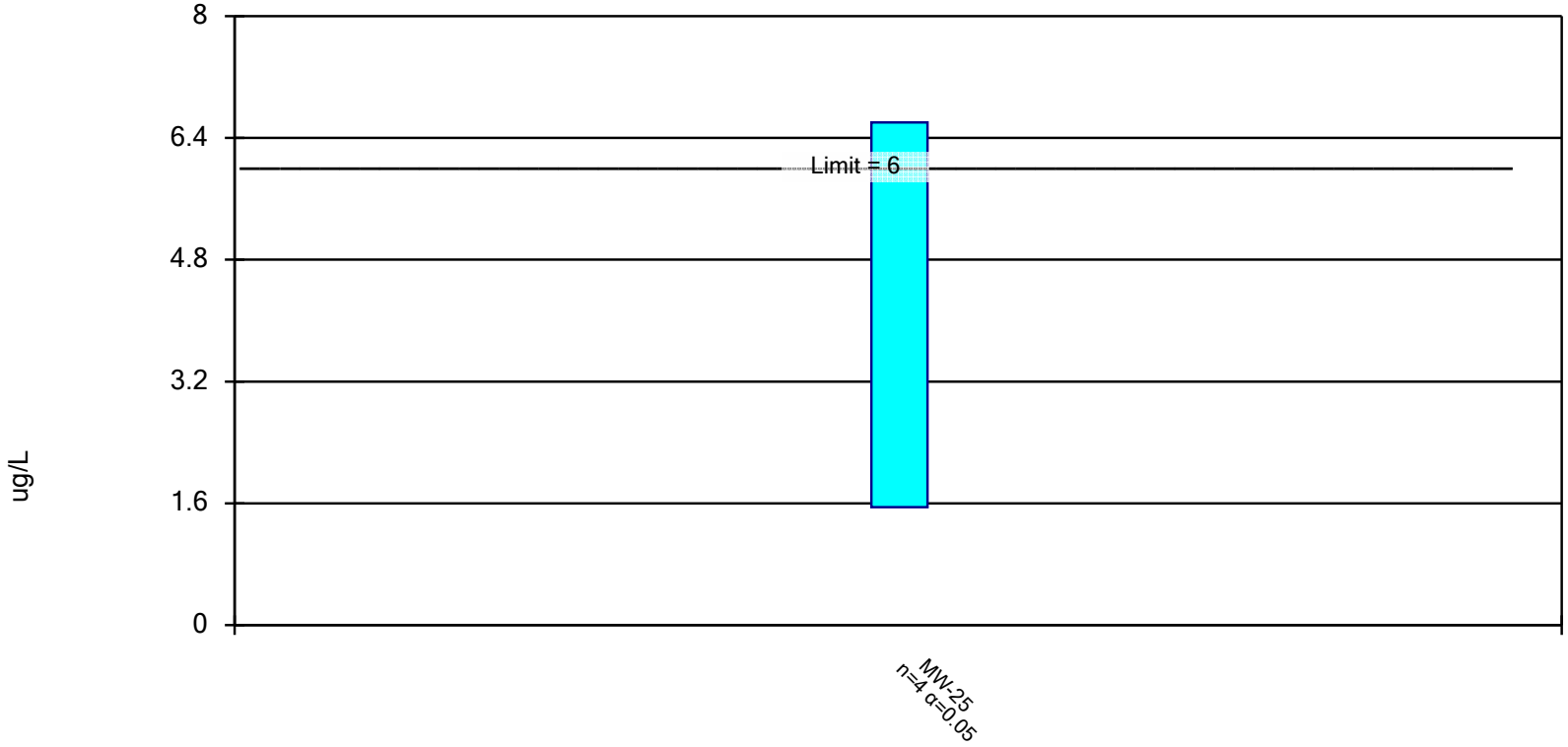
Constituent: Cobalt Total (ug/L) Analysis Run 5/13/2011 2:40 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-12
12/5/2007	14
5/12/2008	14
12/12/2008	11.9
6/15/2009	13.1
12/14/2009	20.8
5/4/2010	54.9
11/10/2010	83.7
4/8/2011	47.9
Mean	32.54
Std. Dev.	26.68
Upper Lim.	83.7
Lower Lim.	11.9

Parametric Confidence Interval

Compliance Limit is not exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 14-Dichlorobenzene Analysis Run 5/13/2011 2:41 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Confidence Interval

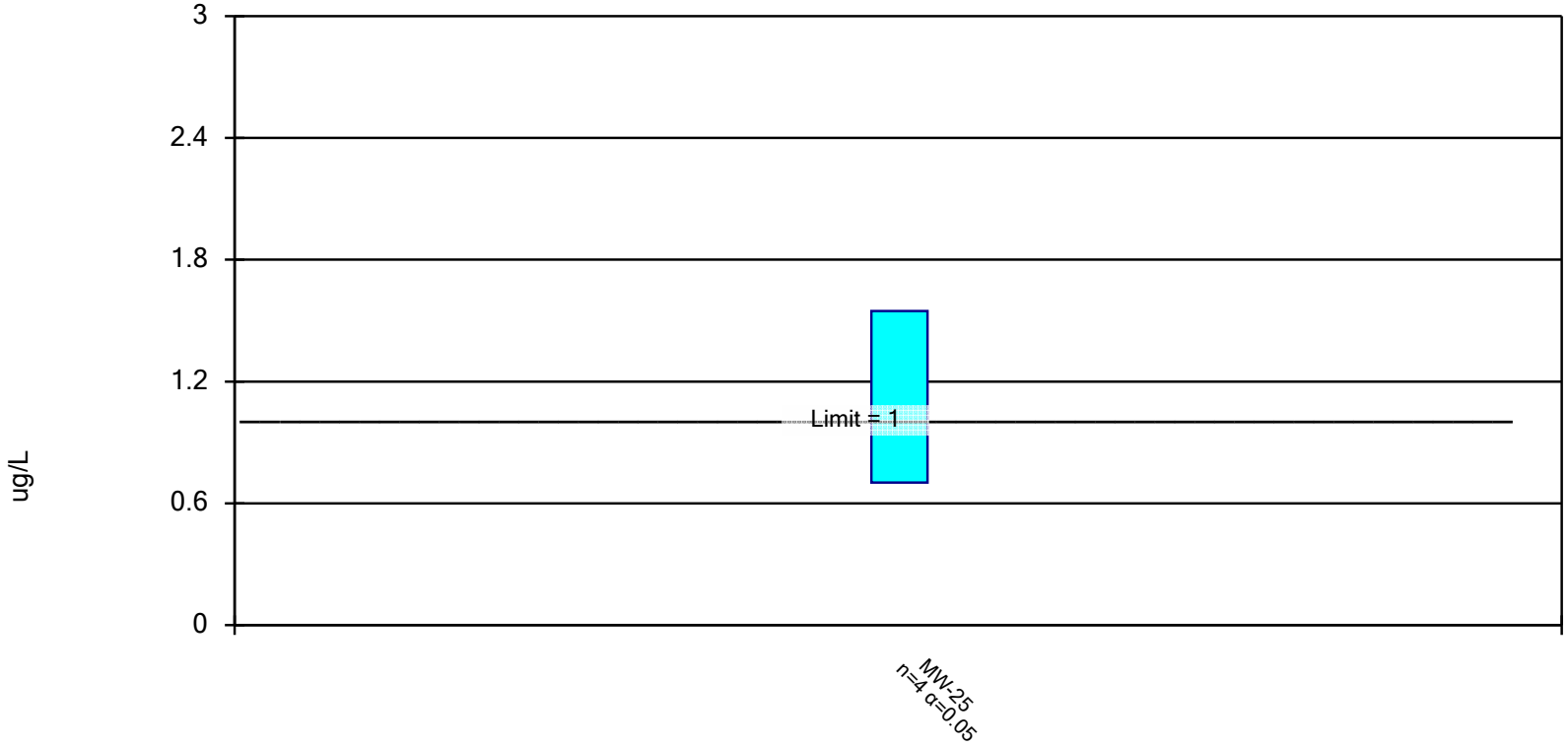
Constituent: 14-Dichlorobenzene (ug/L) Analysis Run 5/13/2011 2:41 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-25
12/15/2009	1.7
5/5/2010	3.3
11/12/2010	4.5
4/7/2011	6.8
Mean	4.075
Std. Dev.	2.148
Upper Lim.	6.603
Lower Lim.	1.547

Parametric Confidence Interval

Compliance Limit is not exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Vinyl chloride Analysis Run 5/13/2011 2:42 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Confidence Interval

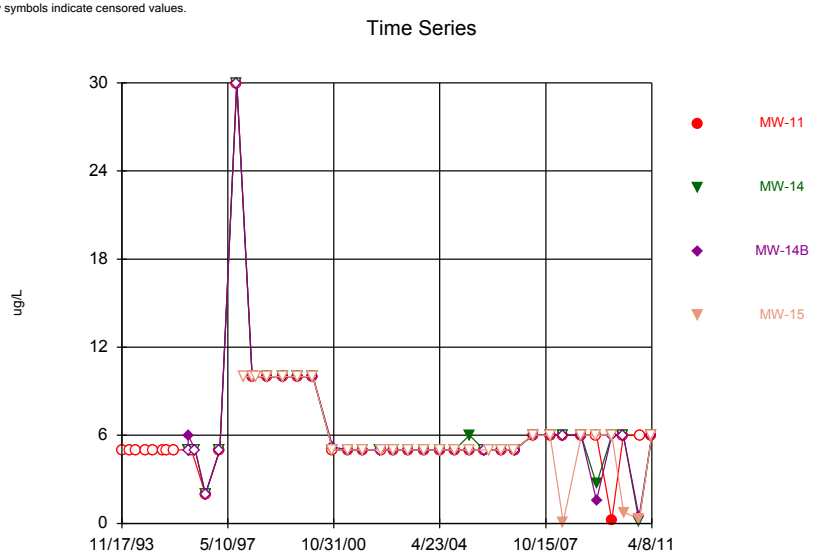
Constituent: Vinyl chloride (ug/L) Analysis Run 5/13/2011 2:42 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-25
12/15/2009	0.6 (J)
5/5/2010	1.2
11/12/2010	1.3
4/7/2011	1.4
Mean	1.125
Std. Dev.	0.3594
Upper Lim.	1.548
Lower Lim.	0.7021

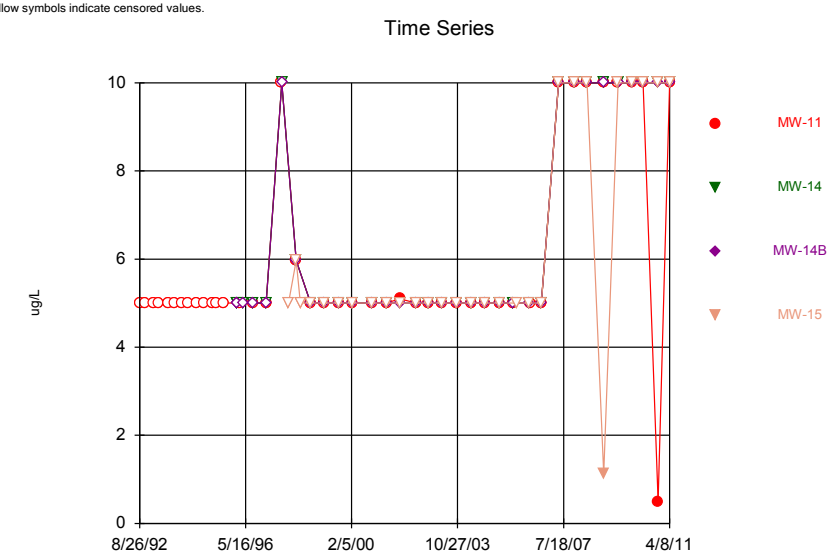
TIME SERIES TREND ANALYSIS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



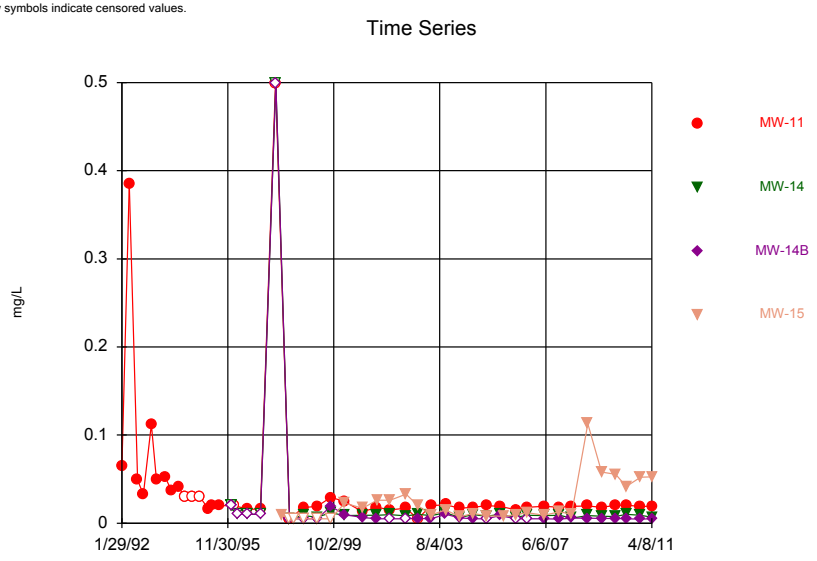
Constituent: Antimony Total Analysis Run 5/12/2011 3:16 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



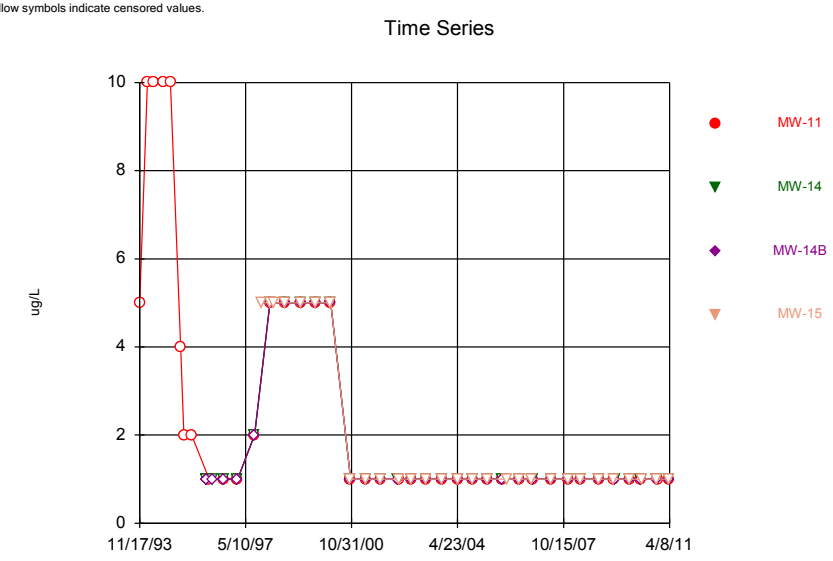
Constituent: Arsenic Total Analysis Run 5/12/2011 3:16 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Barium Total Analysis Run 5/12/2011 3:16 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

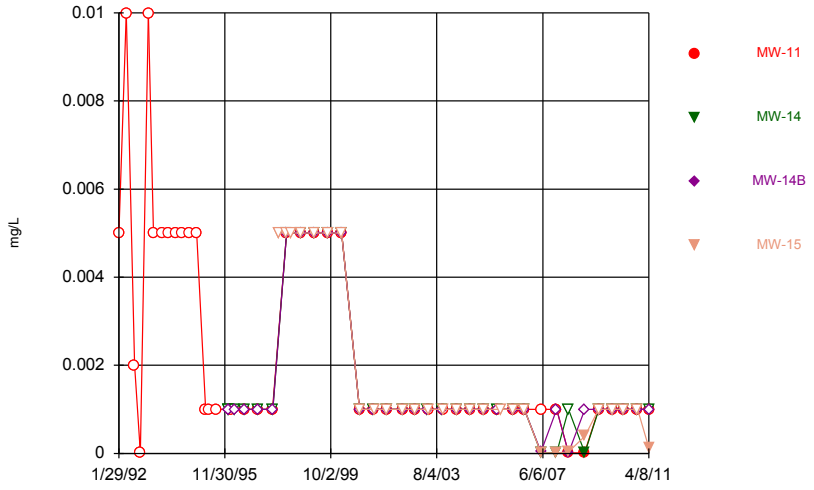
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Beryllium Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

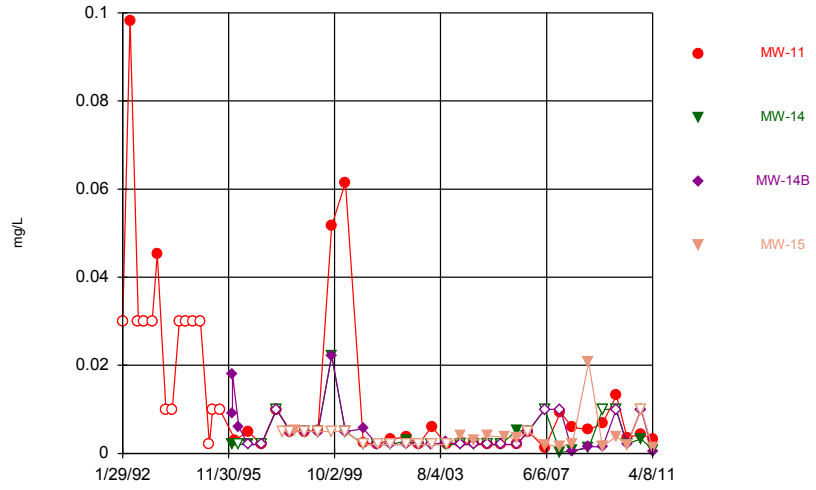
Time Series



Constituent: Cadmium Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

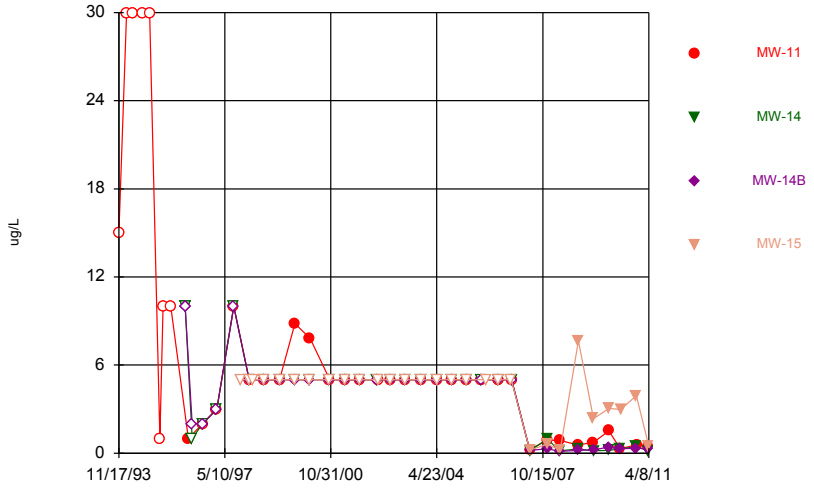
Time Series



Constituent: Chromium Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

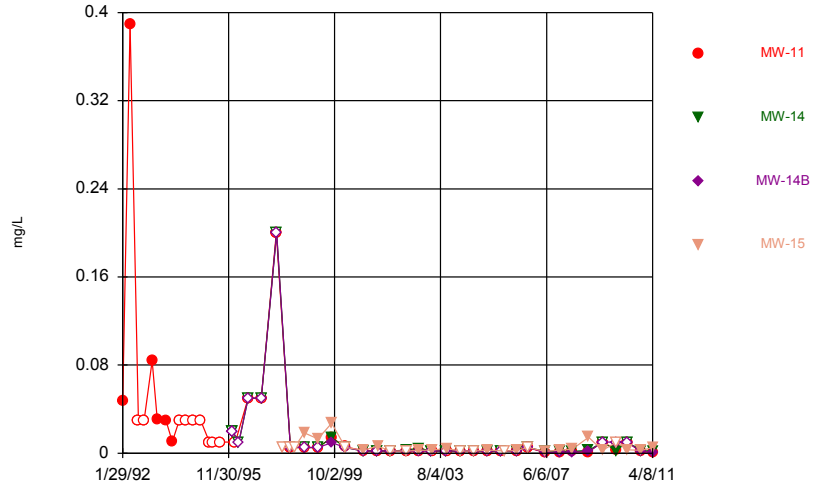
Time Series



Constituent: Cobalt Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

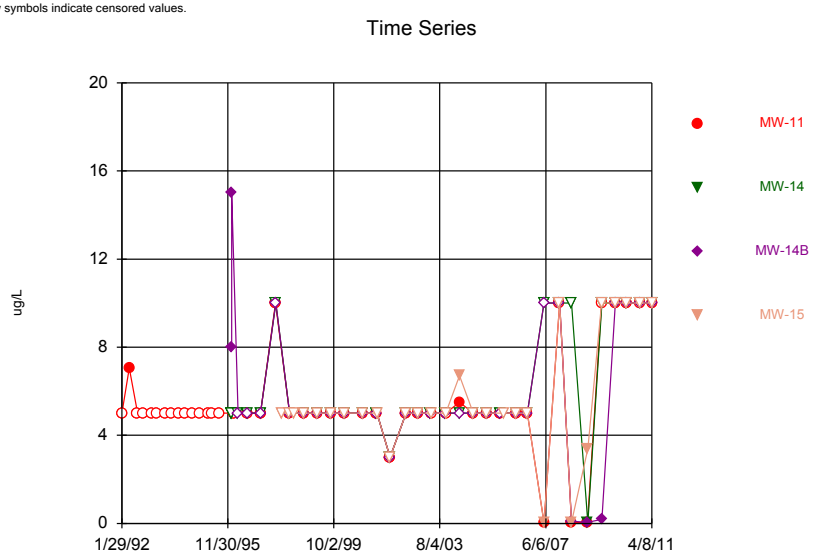
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



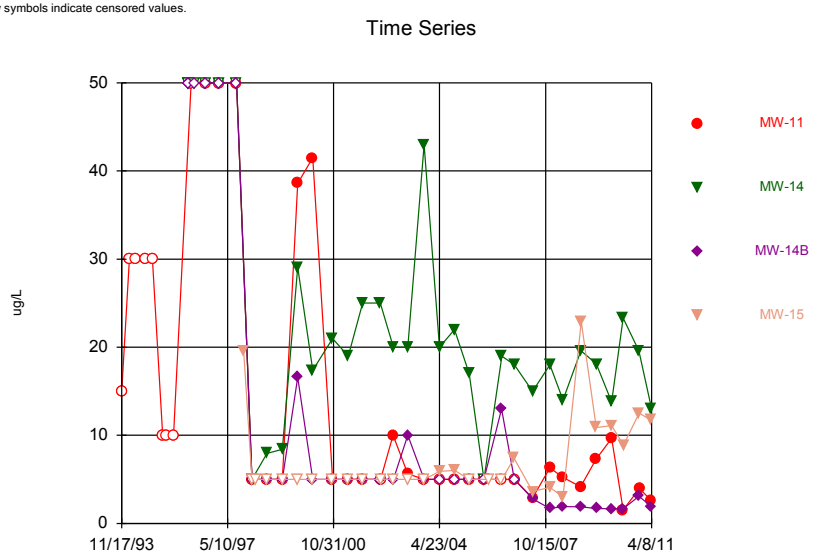
Constituent: Copper Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



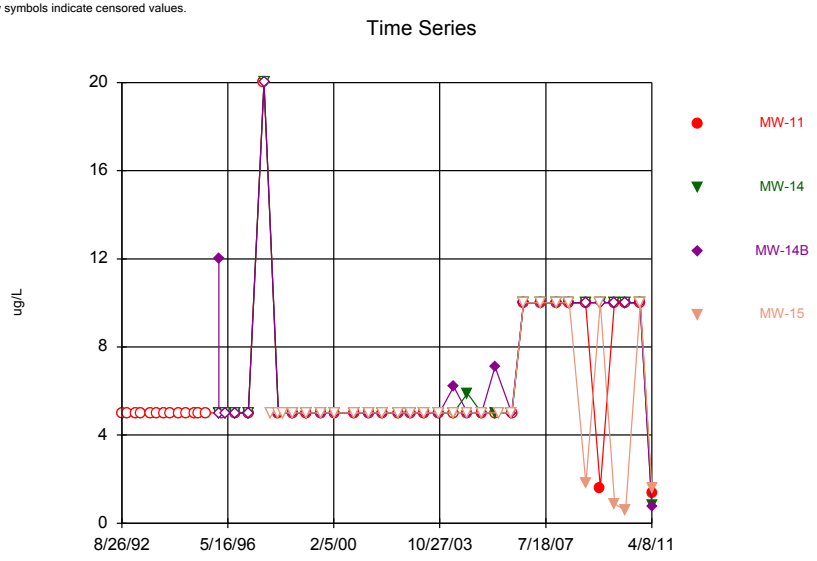
Constituent: Lead Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



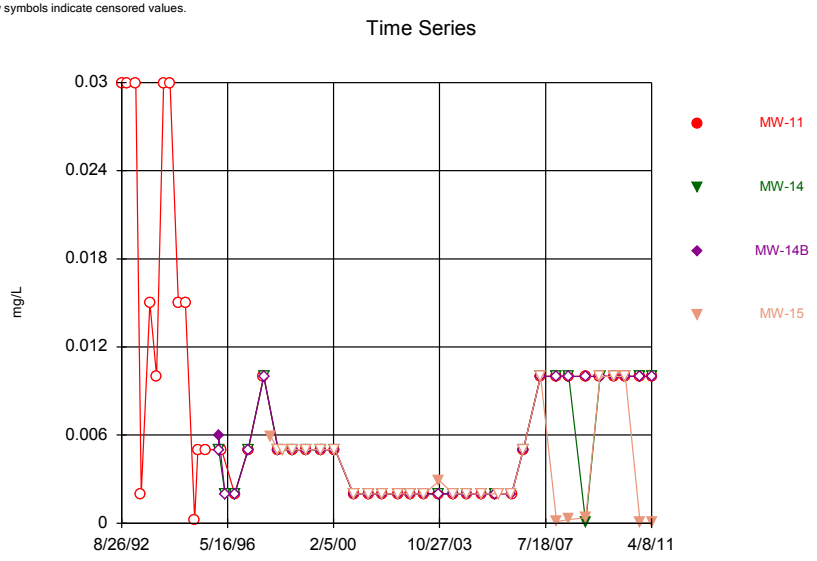
Constituent: Nickel Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Selenium Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

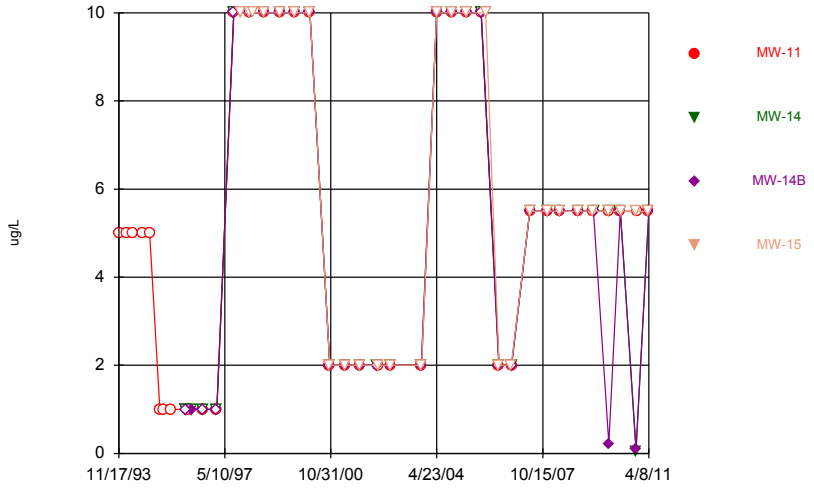
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Silver Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

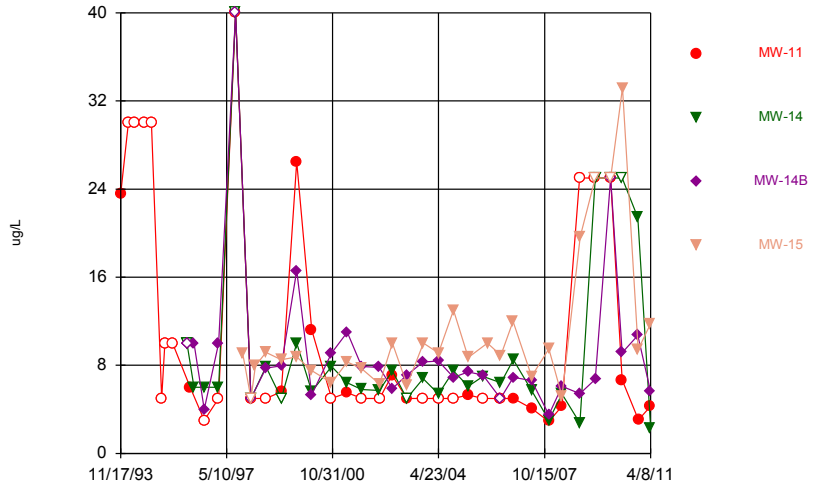
Time Series



Constituent: Thallium Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

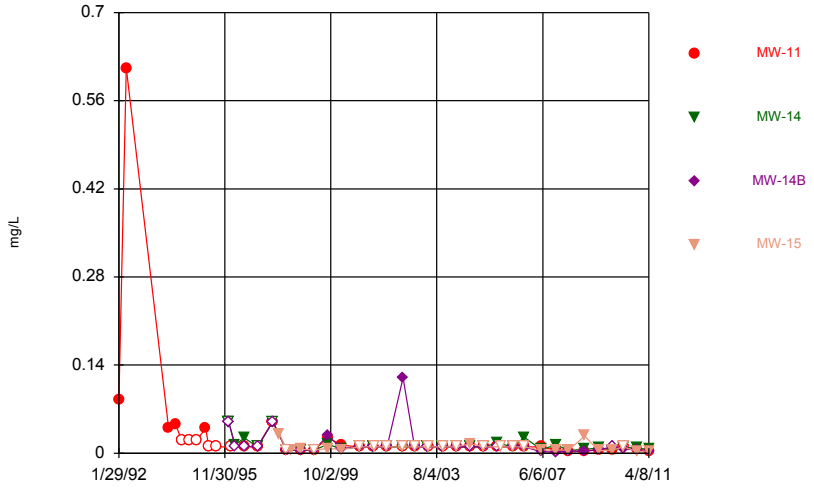
Time Series



Constituent: Vanadium Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

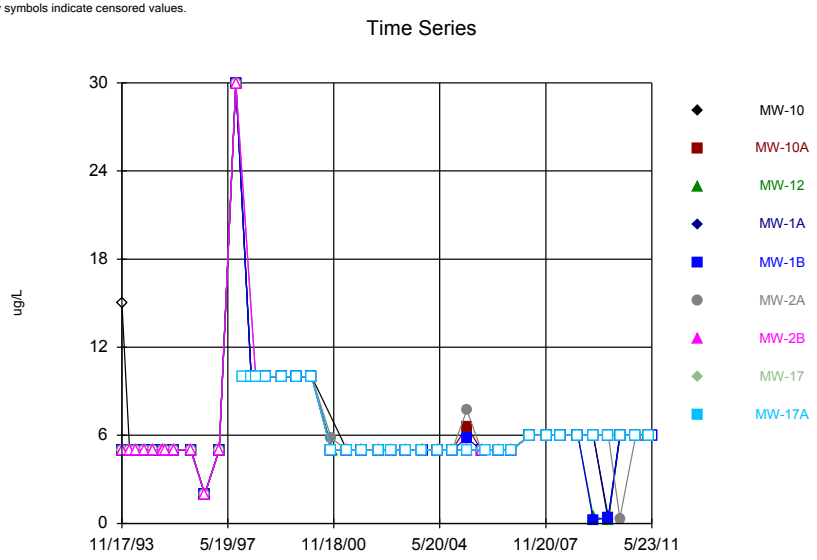
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



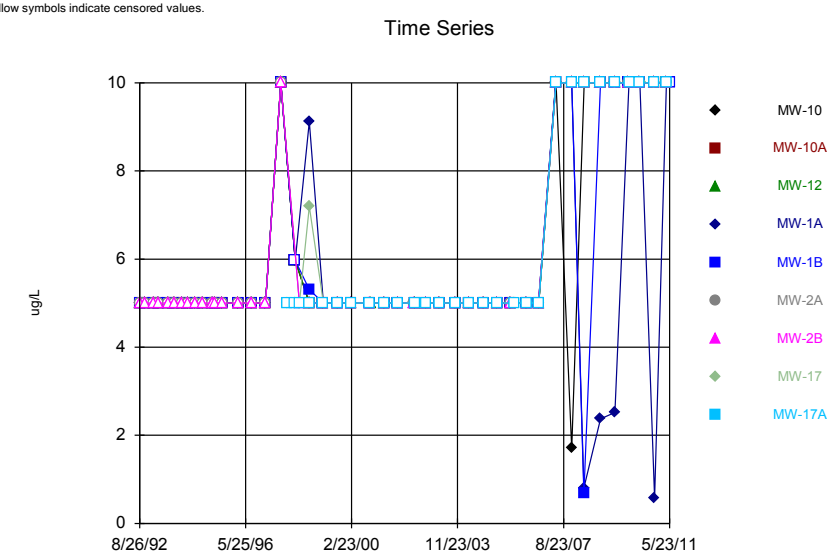
Constituent: Zinc Total Analysis Run 5/12/2011 3:17 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



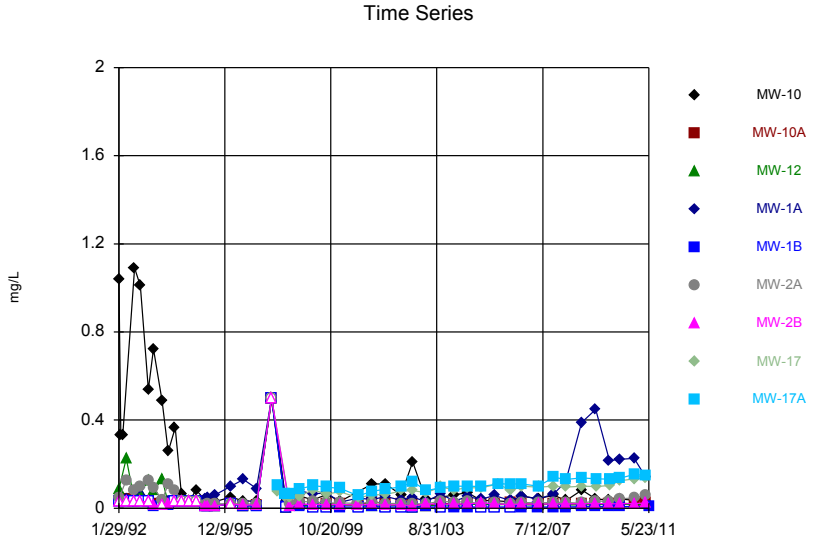
Constituent: Antimony Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



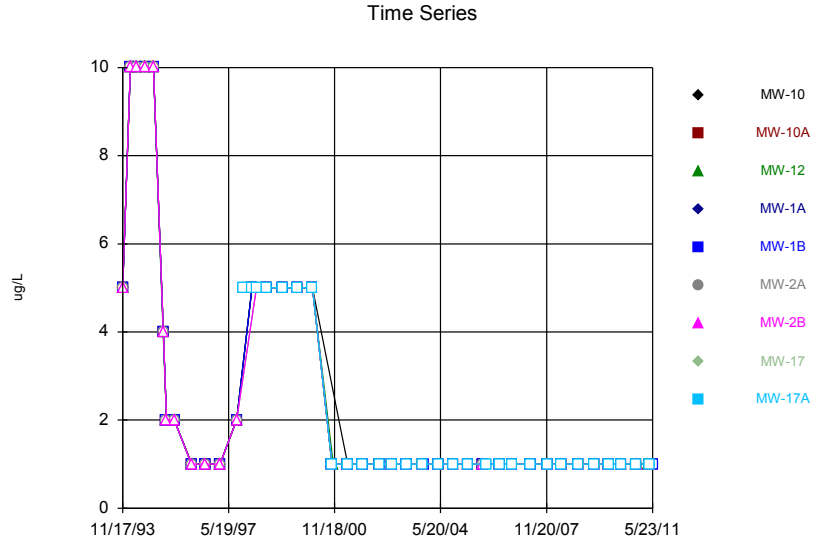
Constituent: Arsenic Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



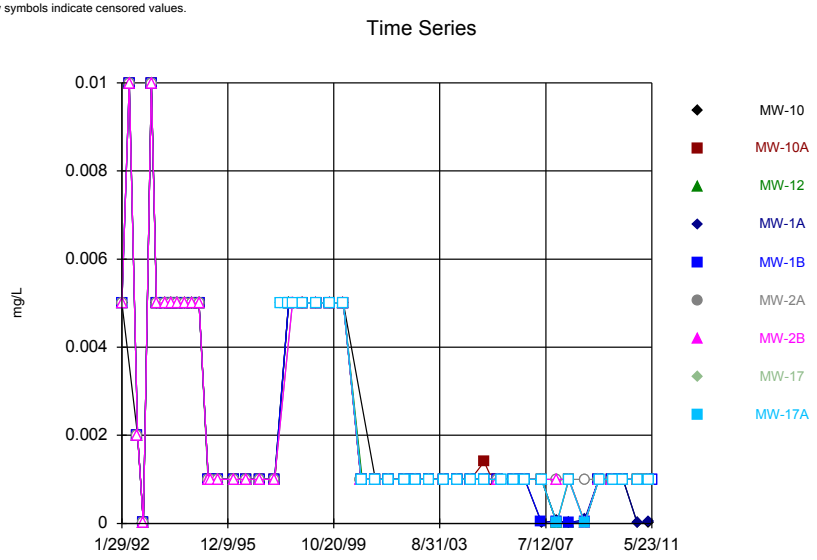
Constituent: Barium Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



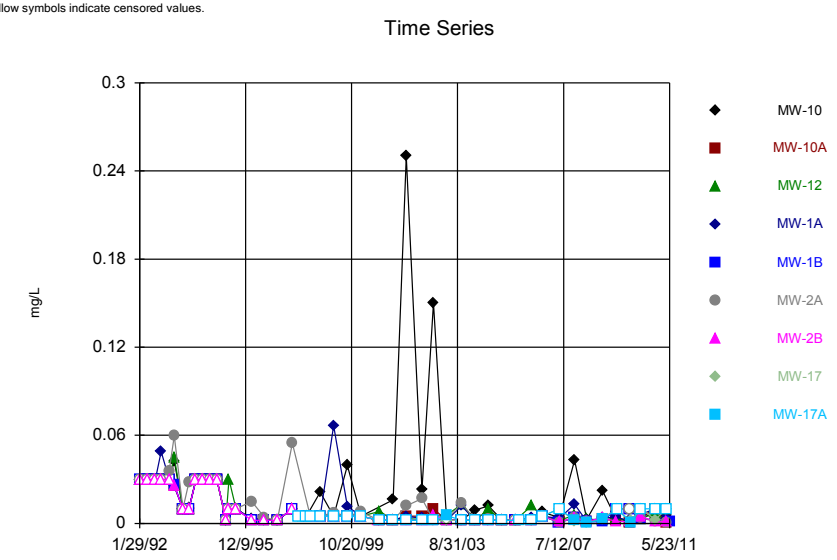
Constituent: Beryllium Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



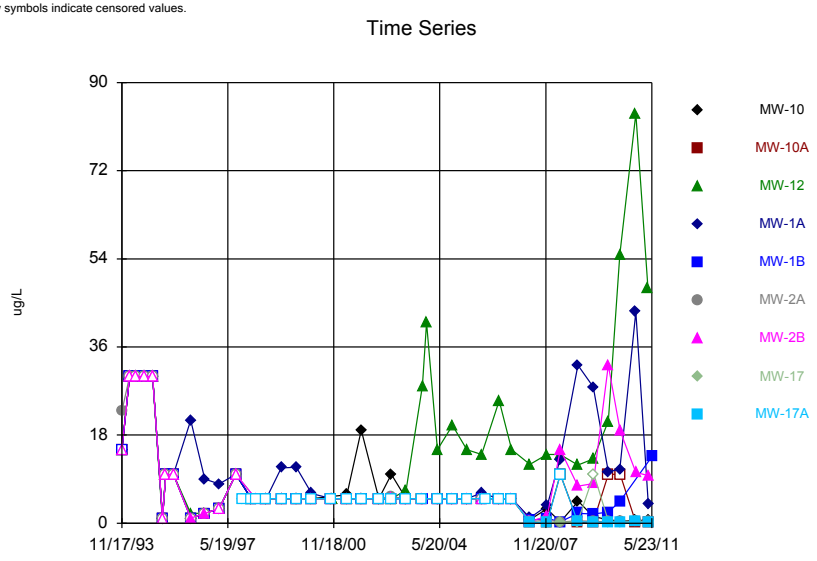
Constituent: Cadmium Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



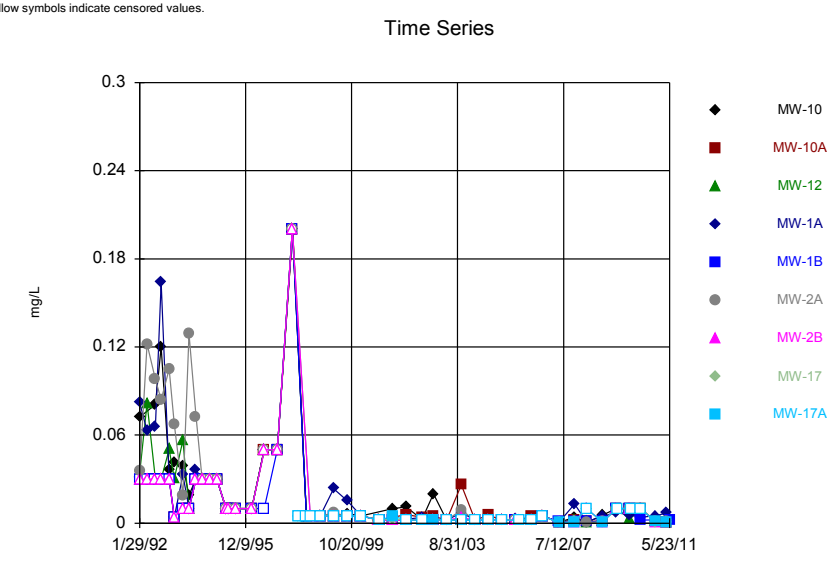
Constituent: Chromium Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Cobalt Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

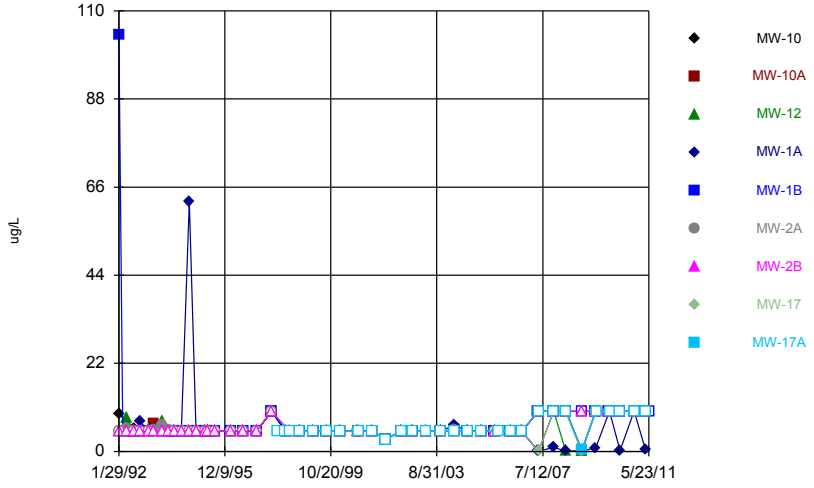
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Copper Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

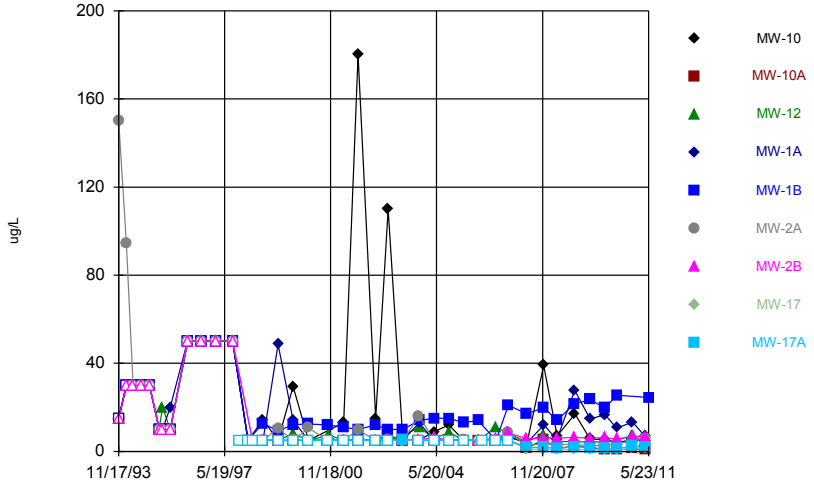
Time Series



Constituent: Lead Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

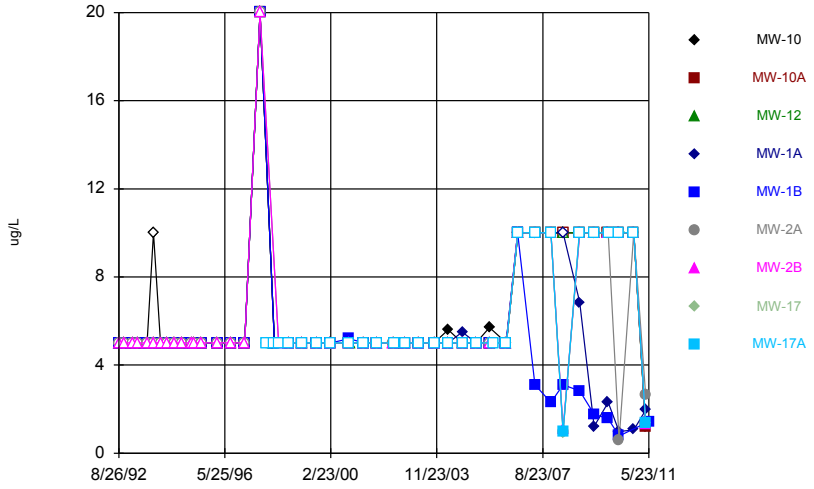
Time Series



Constituent: Nickel Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

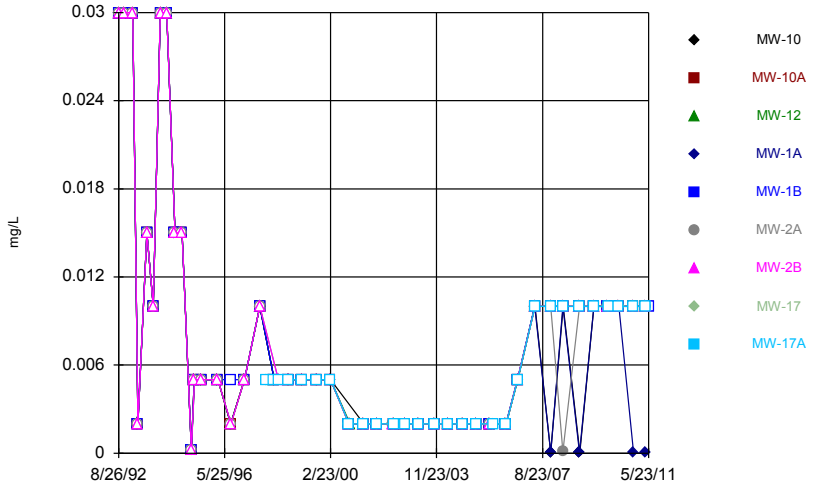
Time Series



Constituent: Selenium Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

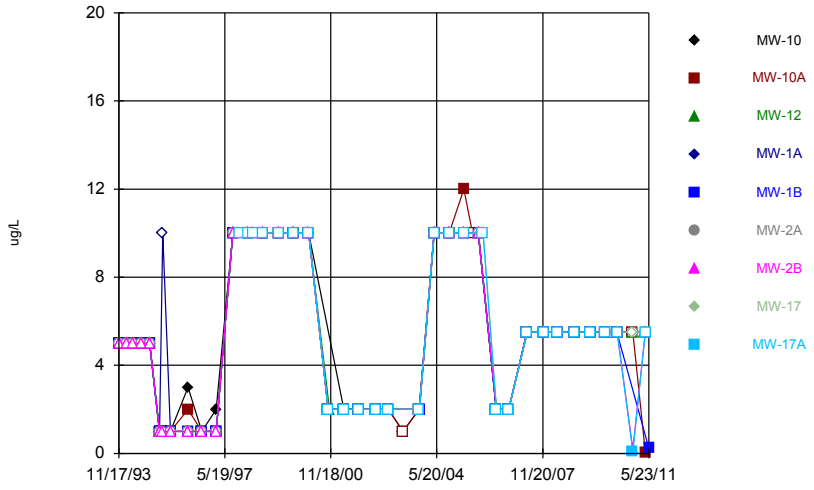
Time Series



Constituent: Silver Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

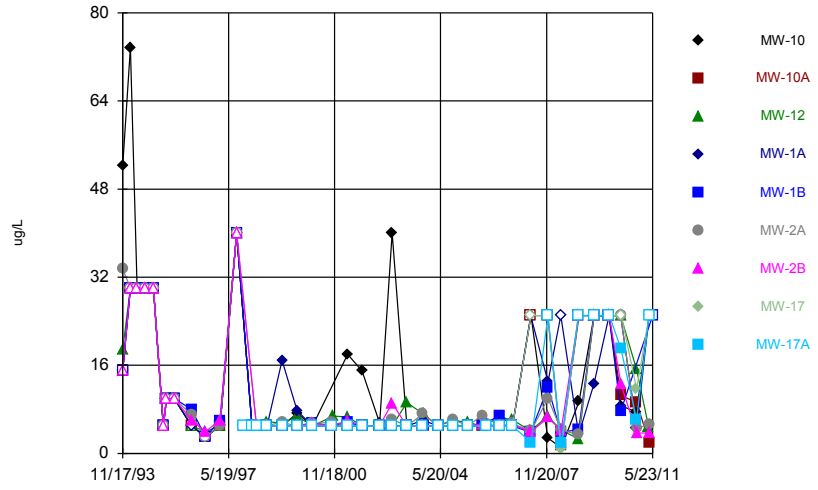
Time Series



Constituent: Thallium Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

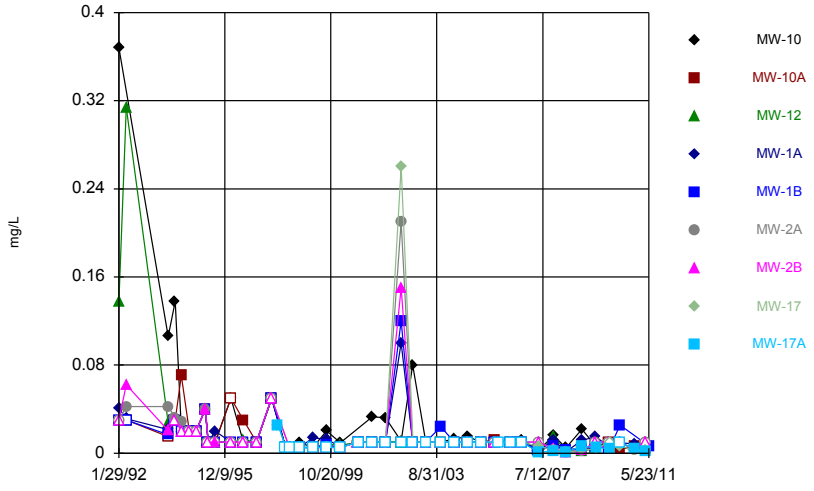
Time Series



Constituent: Vanadium Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

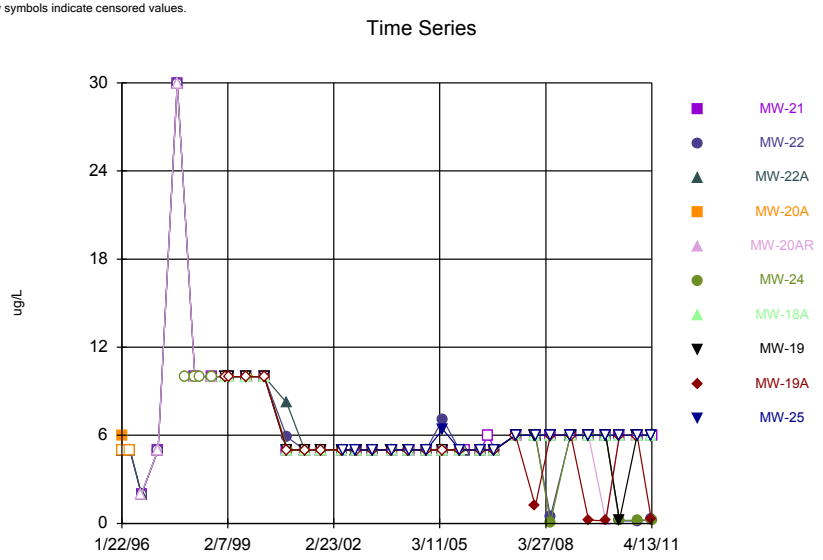
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



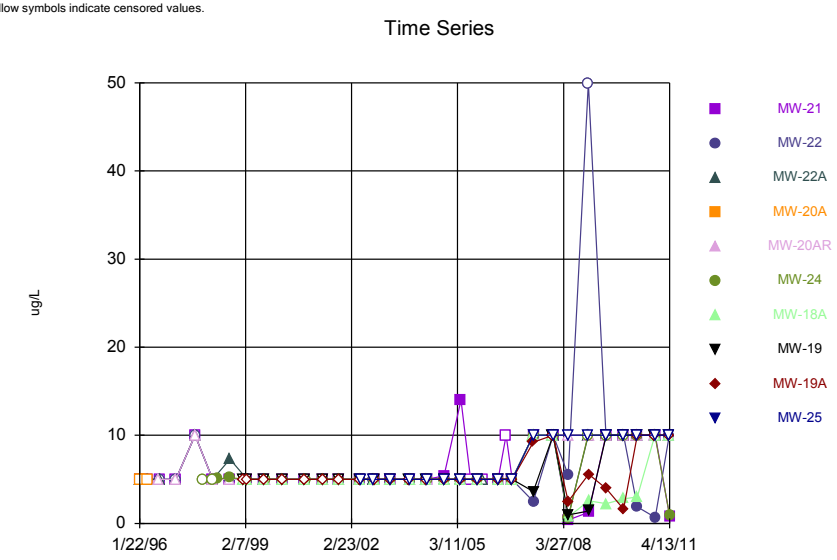
Constituent: Zinc Total Analysis Run 6/23/2011 9:20 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



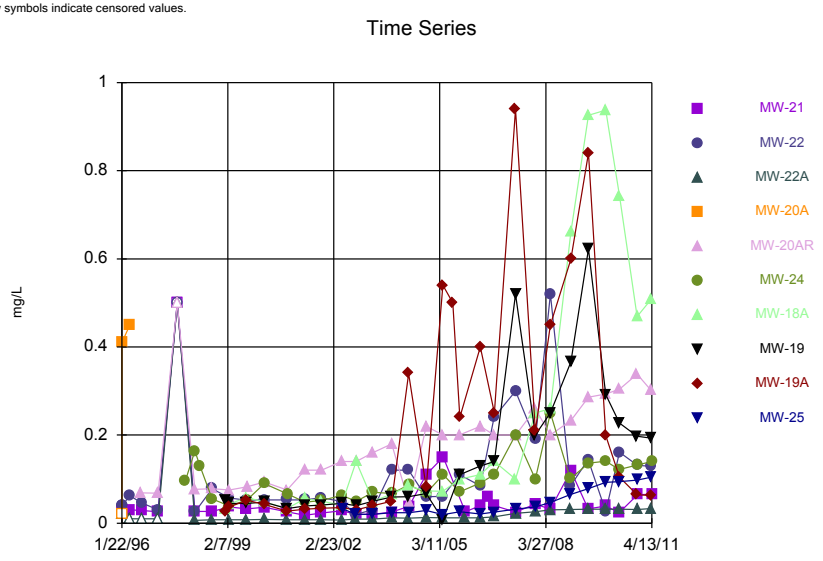
Constituent: Antimony Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



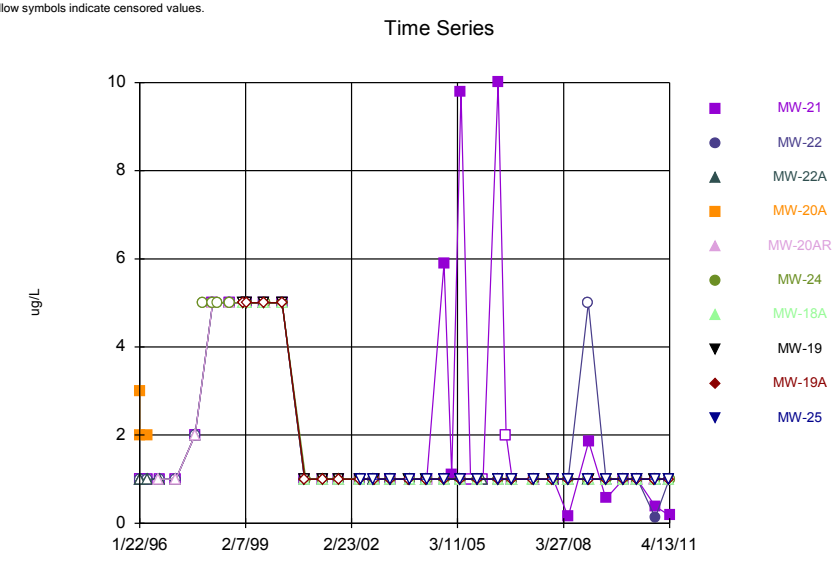
Constituent: Arsenic Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Barium Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

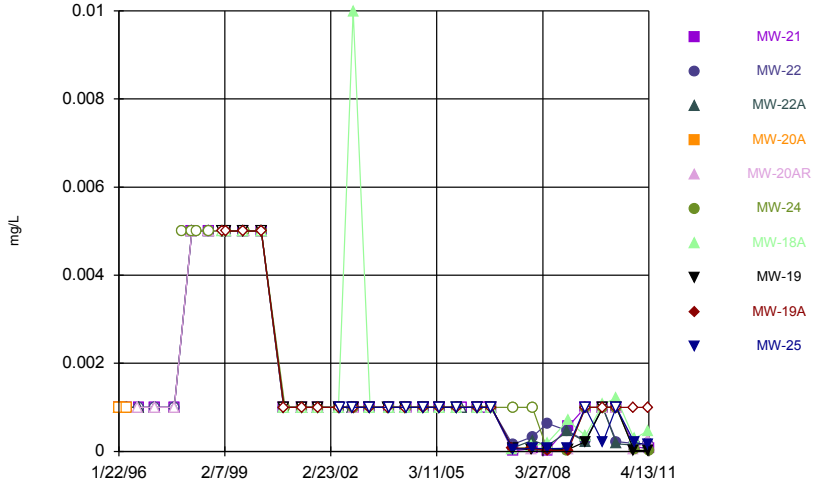
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Beryllium Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

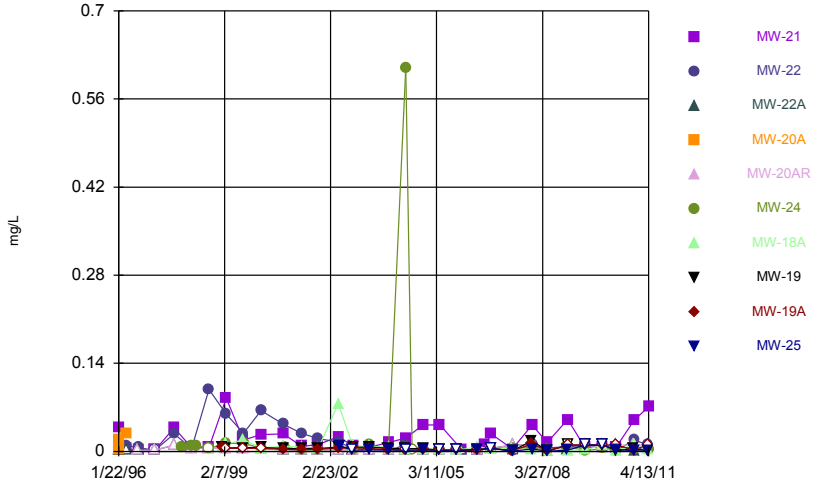
Time Series



Constituent: Cadmium Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

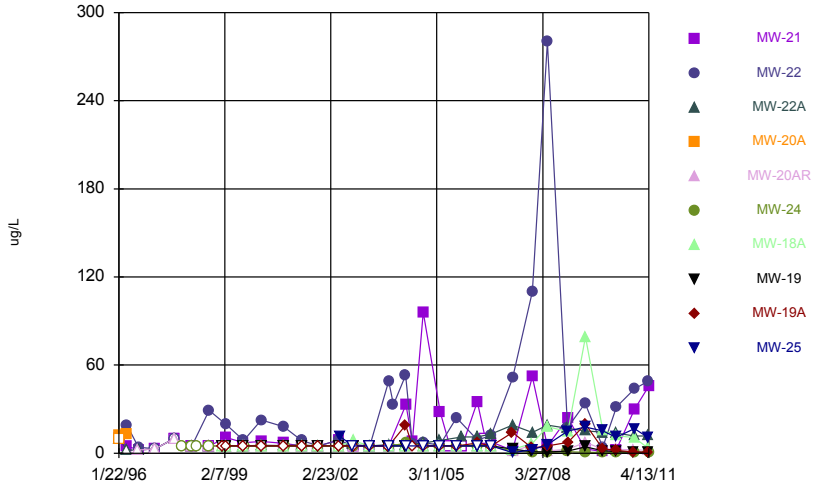
Time Series



Constituent: Chromium Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

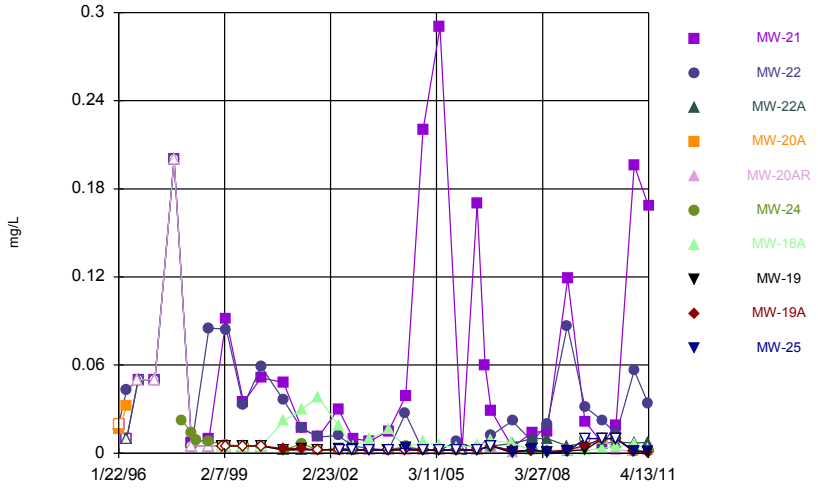
Time Series



Constituent: Cobalt Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

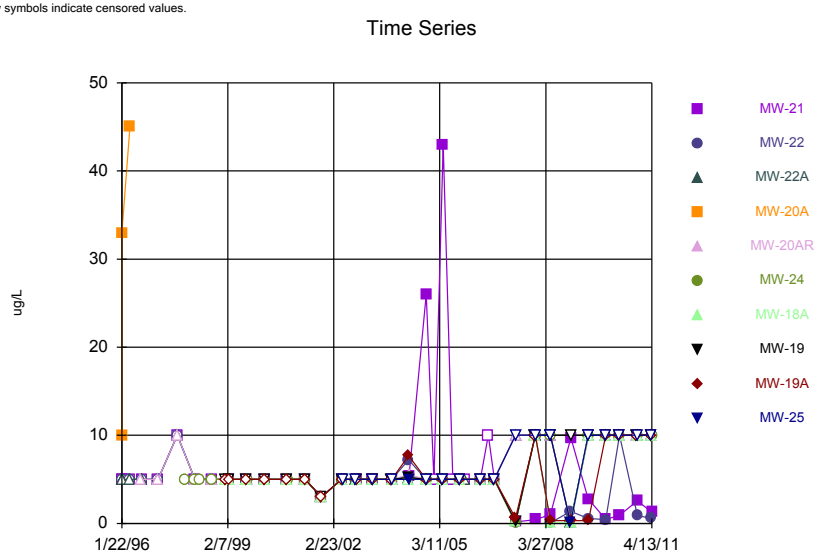
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



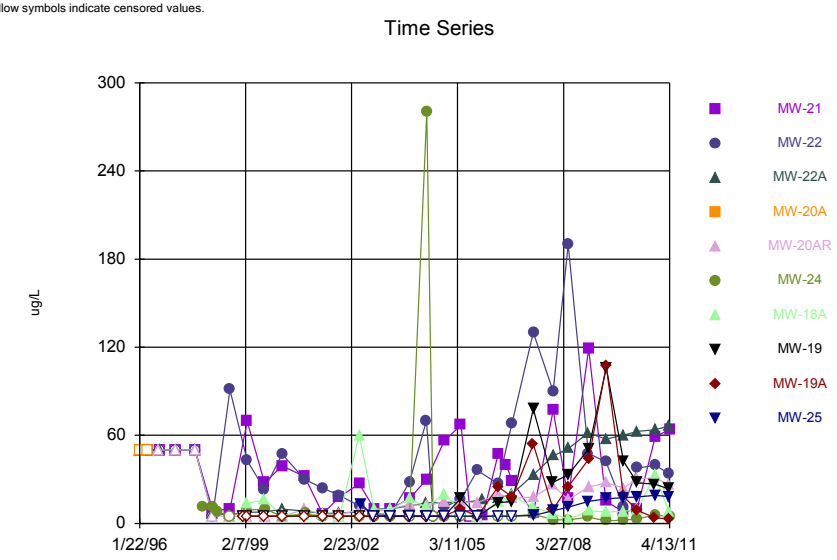
Constituent: Copper Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



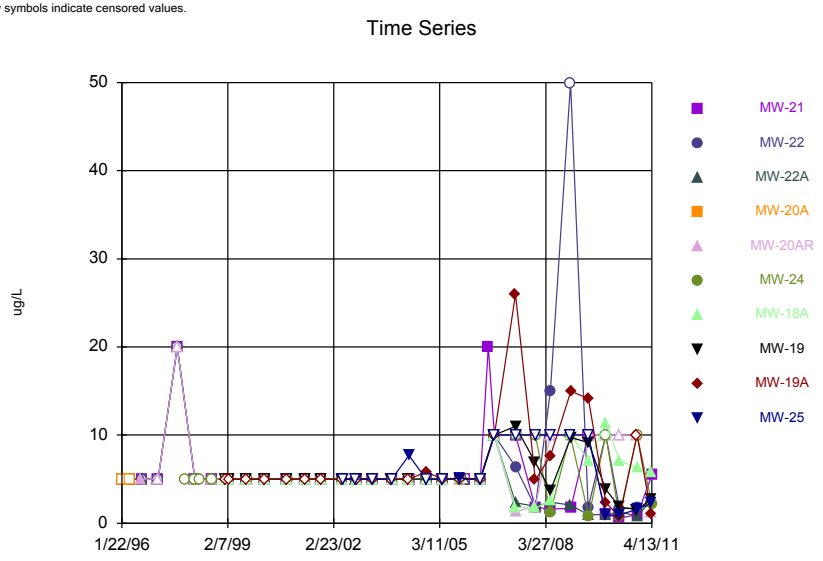
Constituent: Lead Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



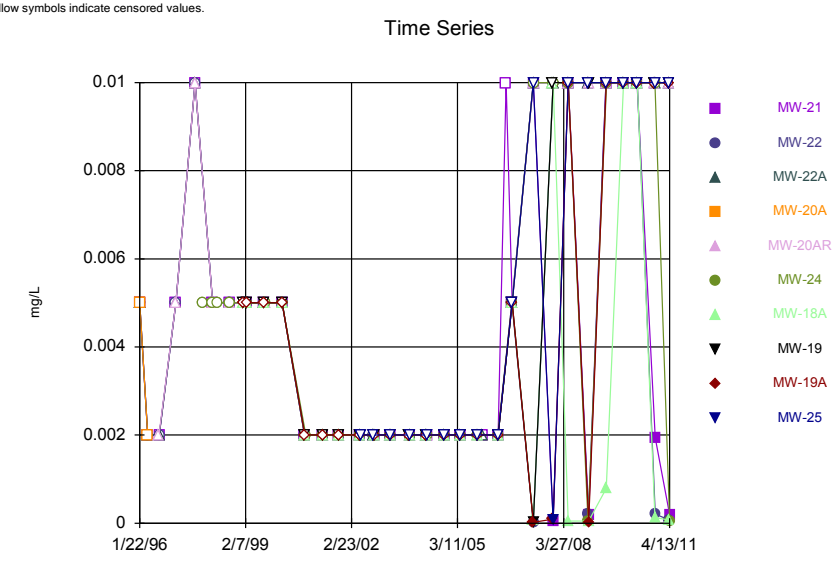
Constituent: Nickel Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



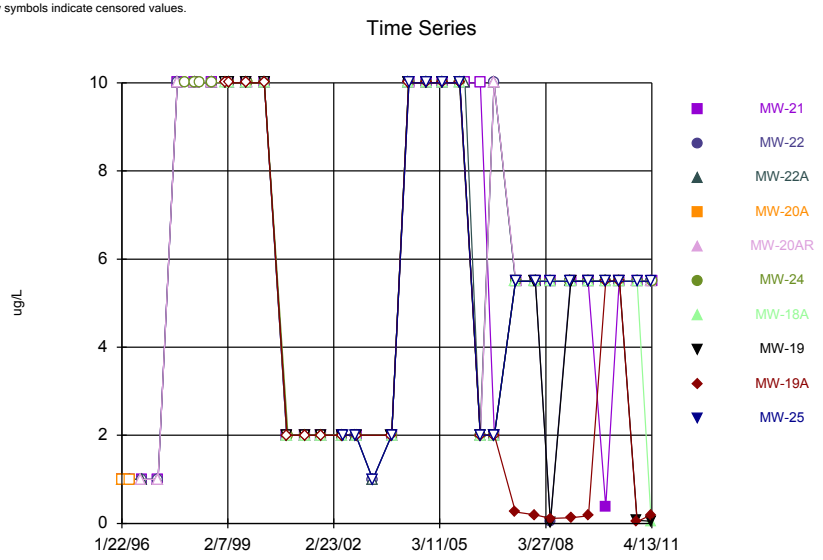
Constituent: Selenium Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



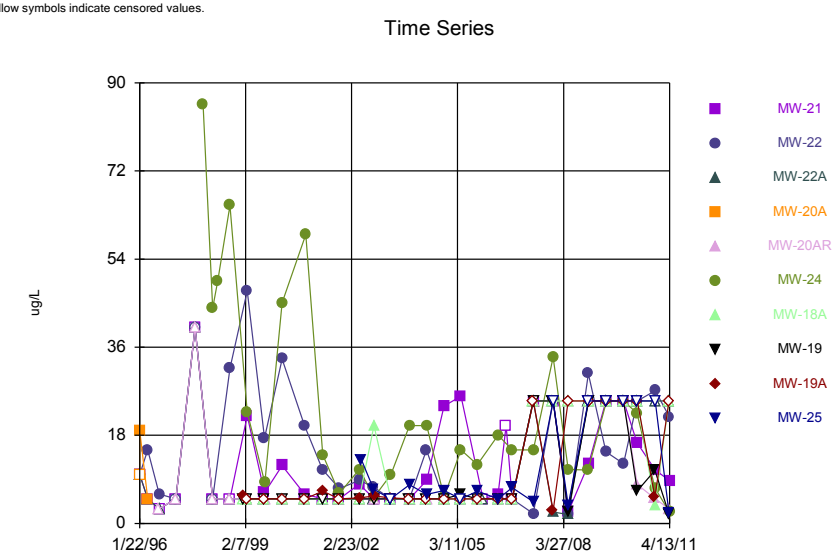
Constituent: Silver Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



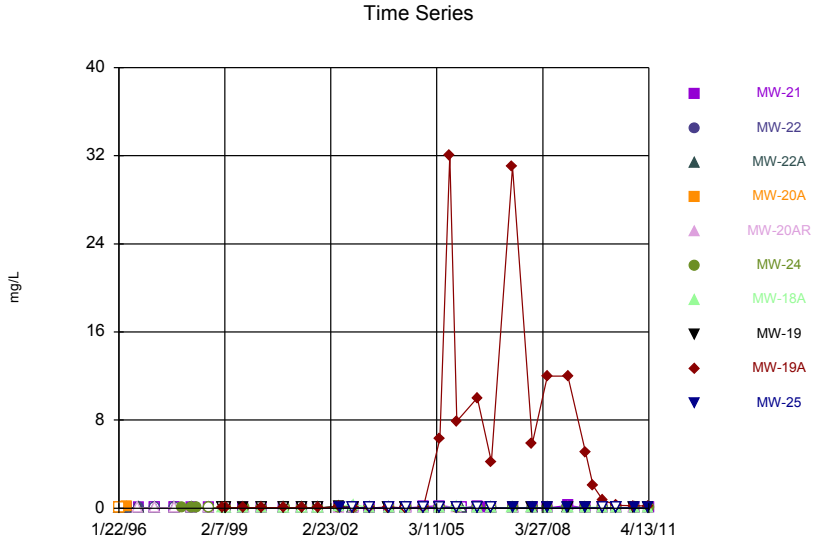
Constituent: Thallium Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



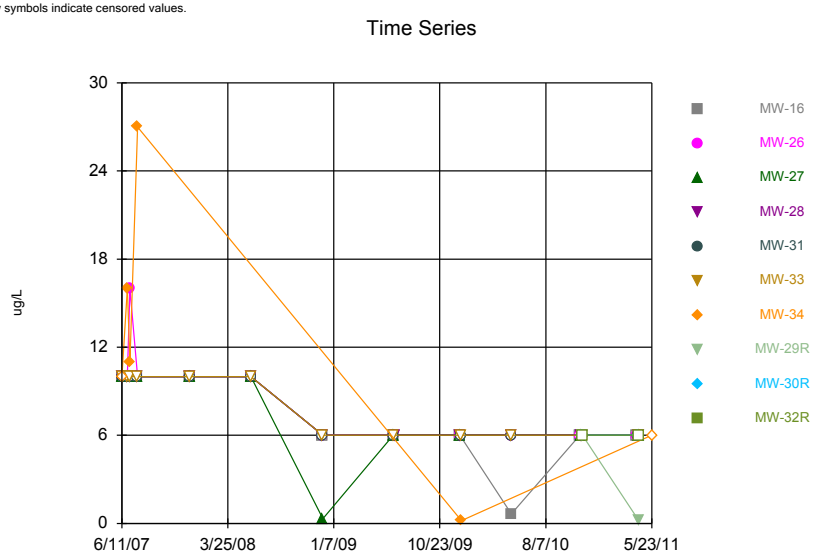
Constituent: Vanadium Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



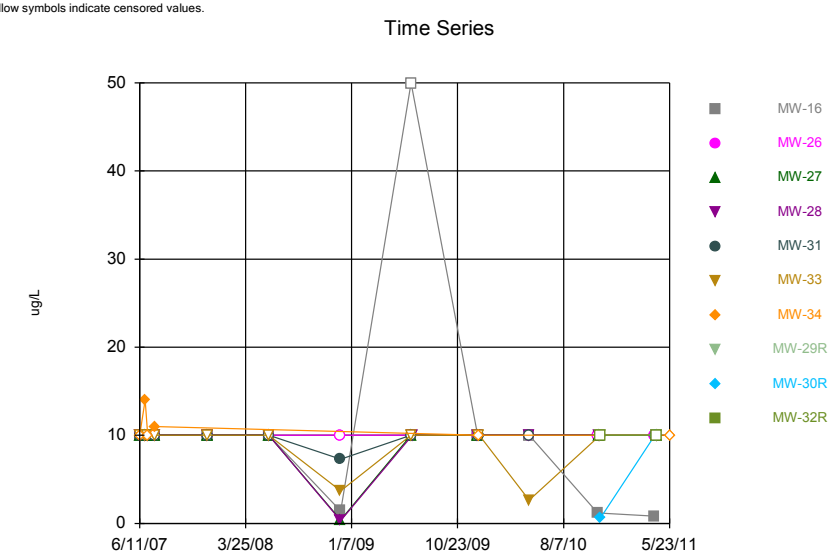
Constituent: Zinc Total Analysis Run 5/12/2011 3:21 PM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



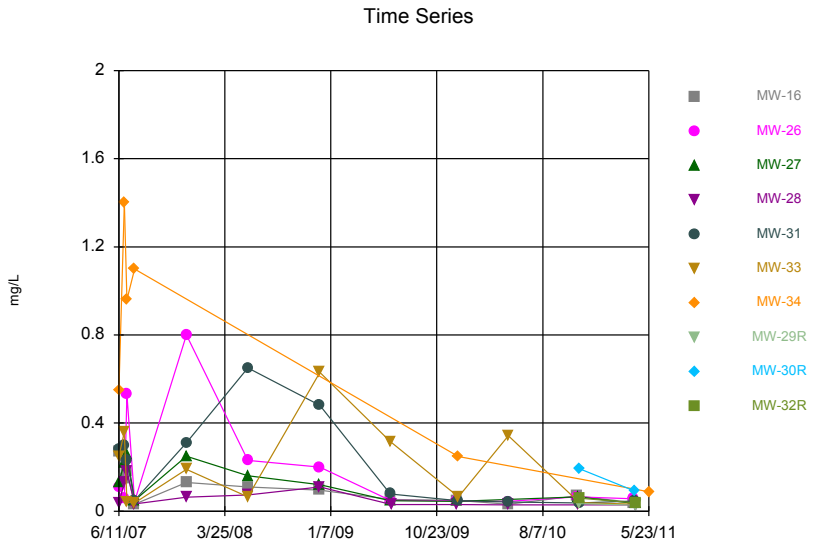
Constituent: Antimony Total Analysis Run 6/23/2011 9:23 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Arsenic Total Analysis Run 6/23/2011 9:23 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG



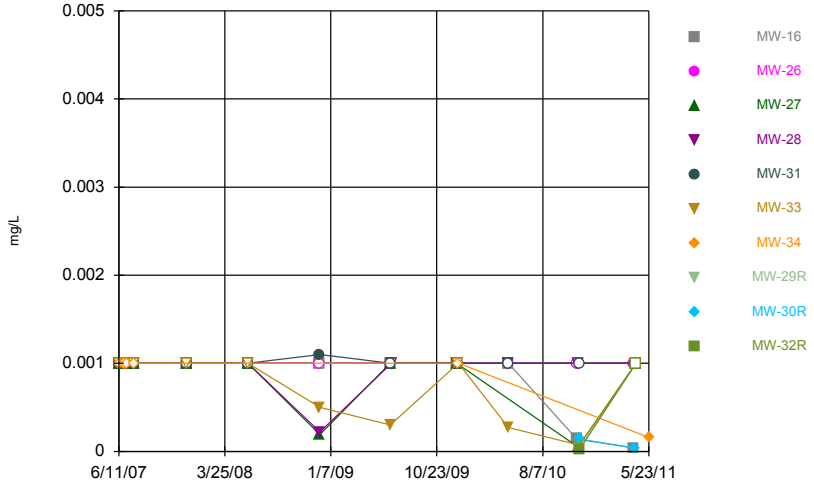
Constituent: Barium Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Constituent: Beryllium Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

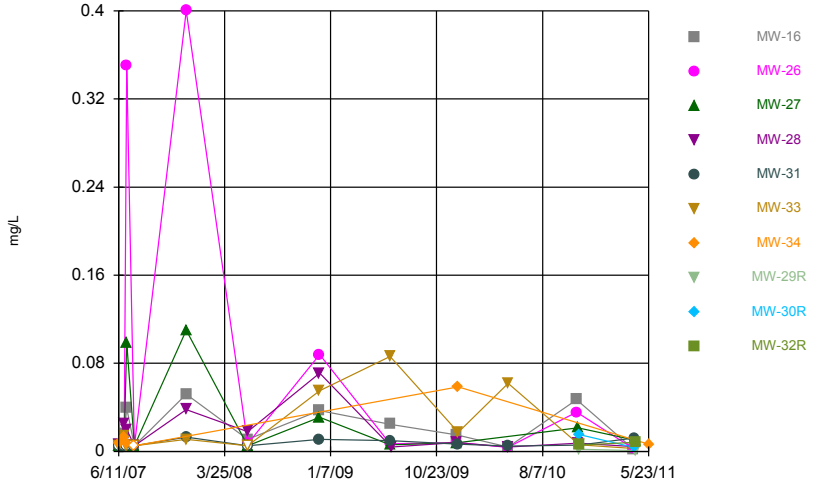
Time Series



Constituent: Cadmium Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

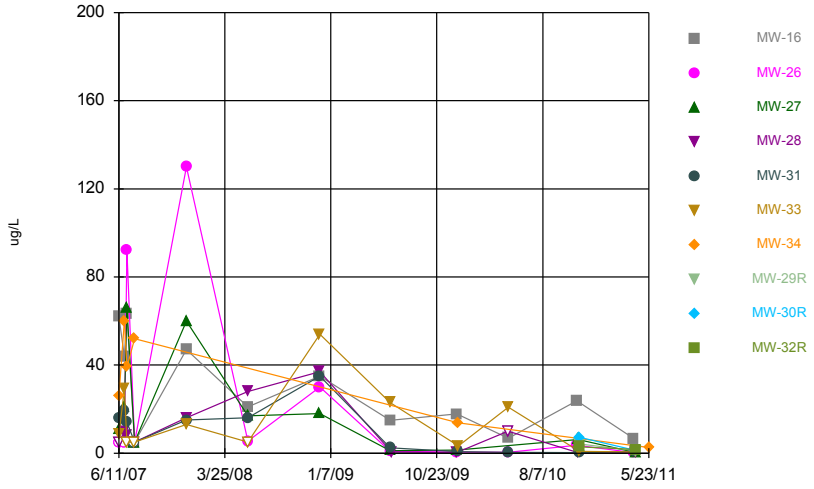
Time Series



Constituent: Chromium Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

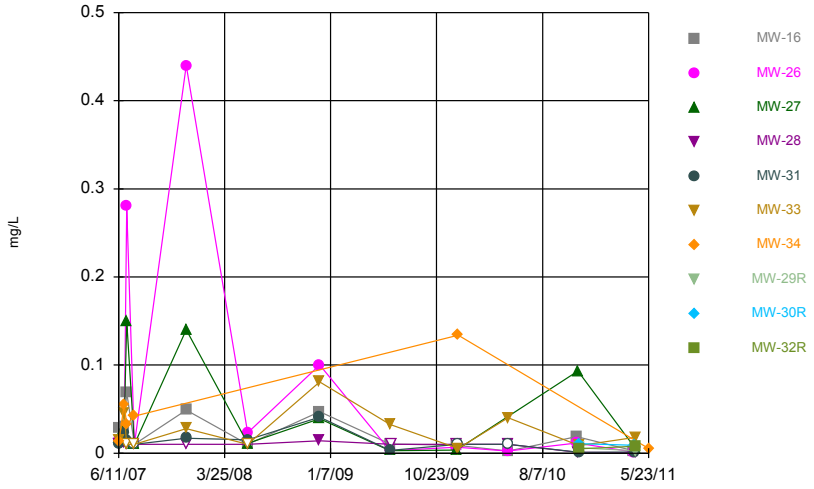
Time Series



Constituent: Cobalt Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

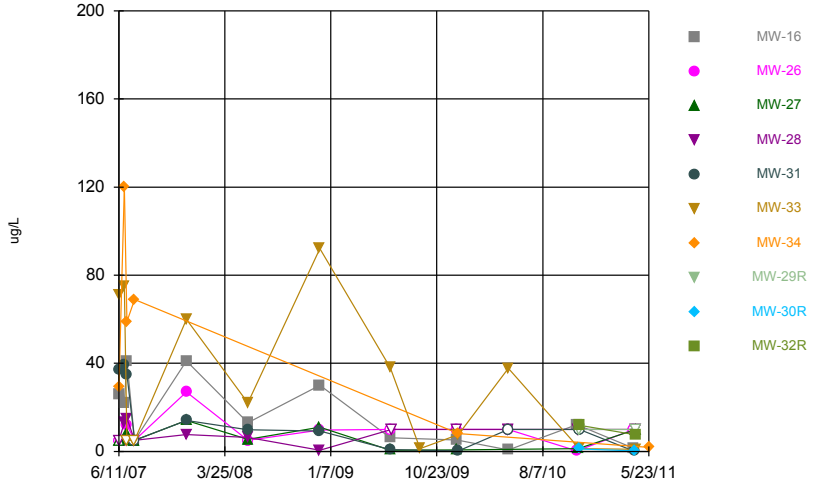
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



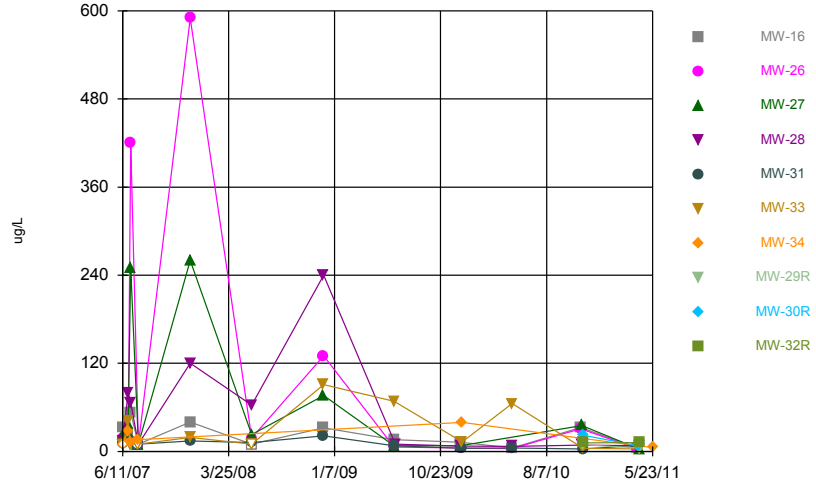
Constituent: Copper Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



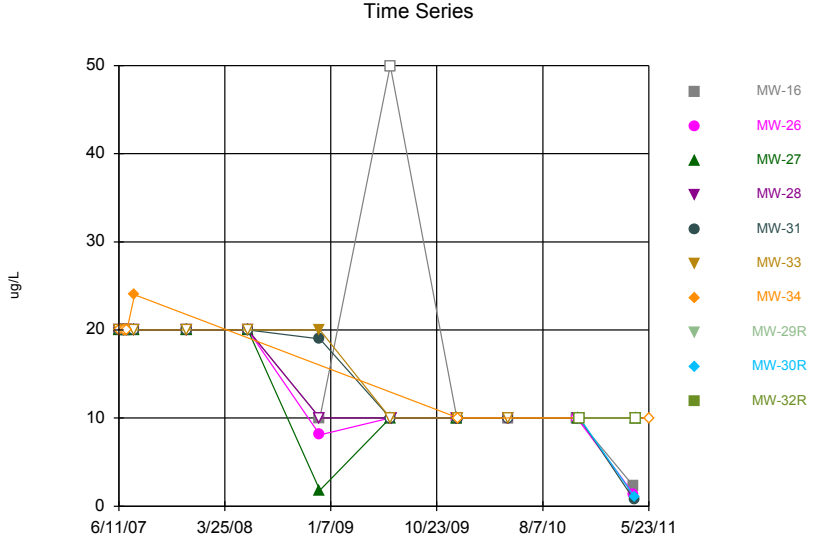
Constituent: Lead Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



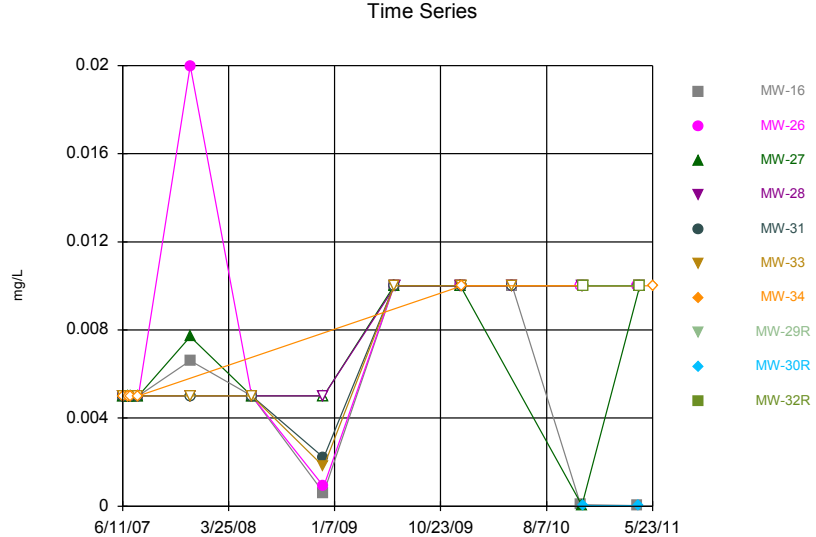
Constituent: Nickel Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



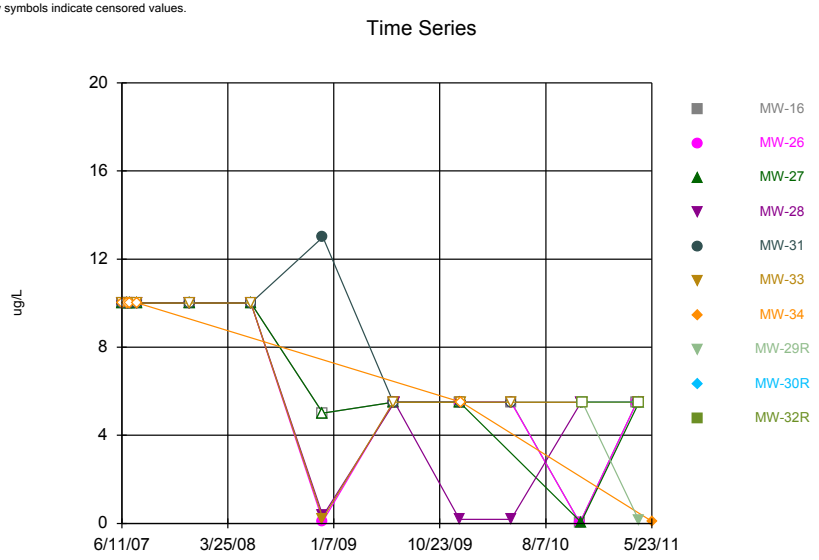
Constituent: Selenium Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



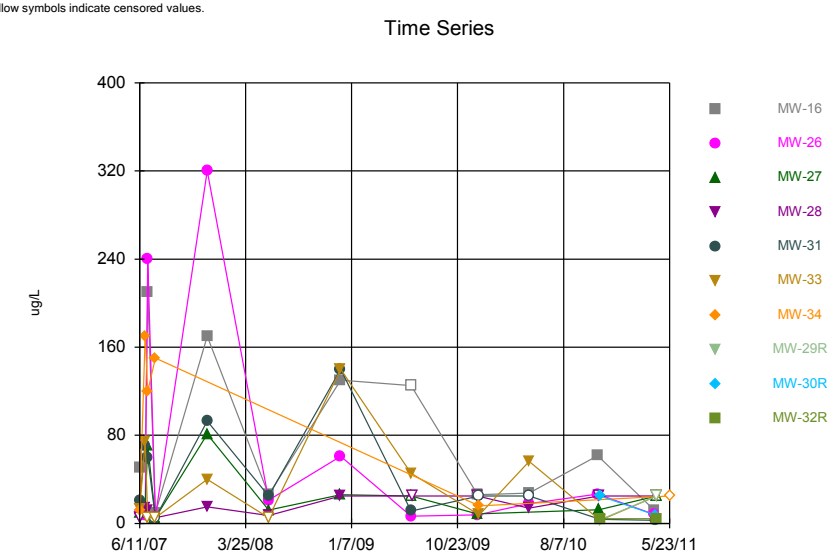
Constituent: Silver Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



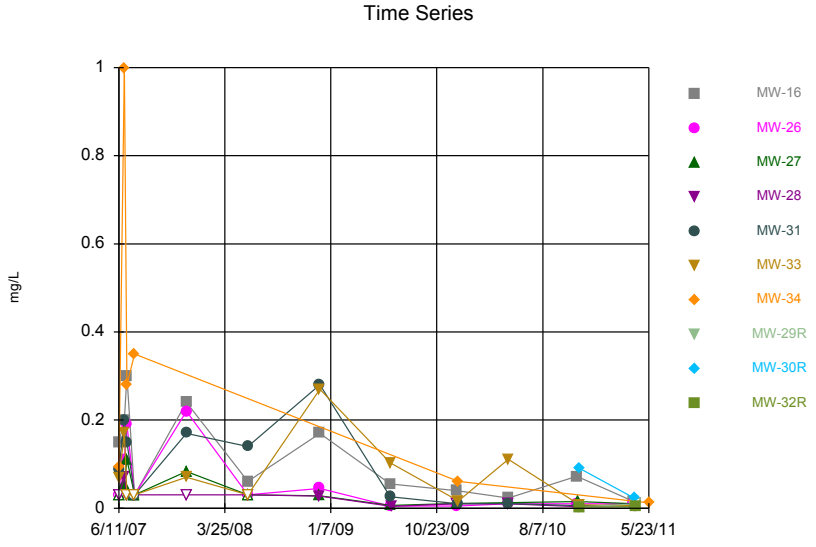
Constituent: Thallium Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Vanadium Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

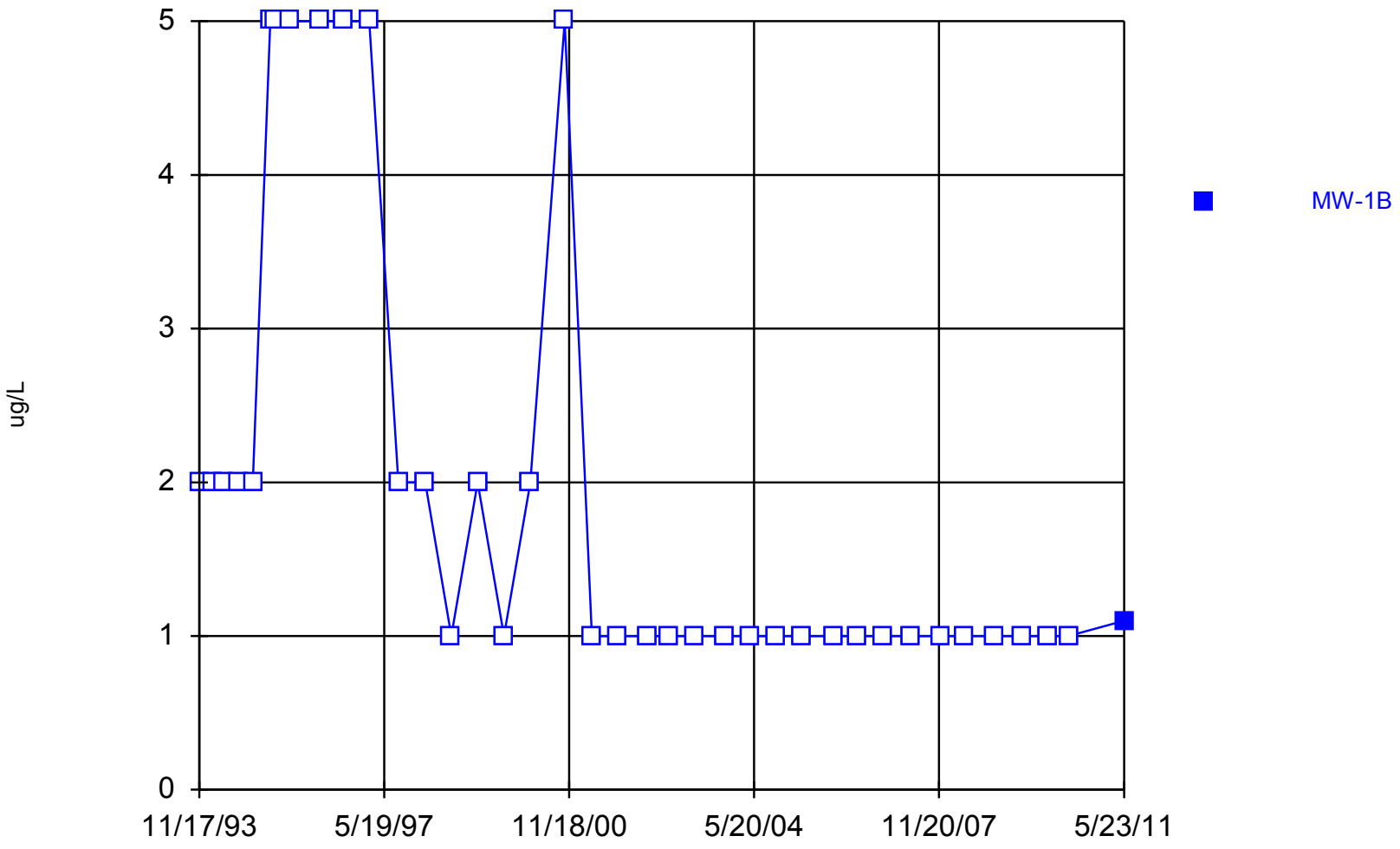
v.9.2.10 n/a. UG
Hollow symbols indicate censored values.



Constituent: Zinc Total Analysis Run 6/23/2011 9:24 AM
Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Trichloroethylene Analysis Run 6/23/2011 9:25 AM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Time Series

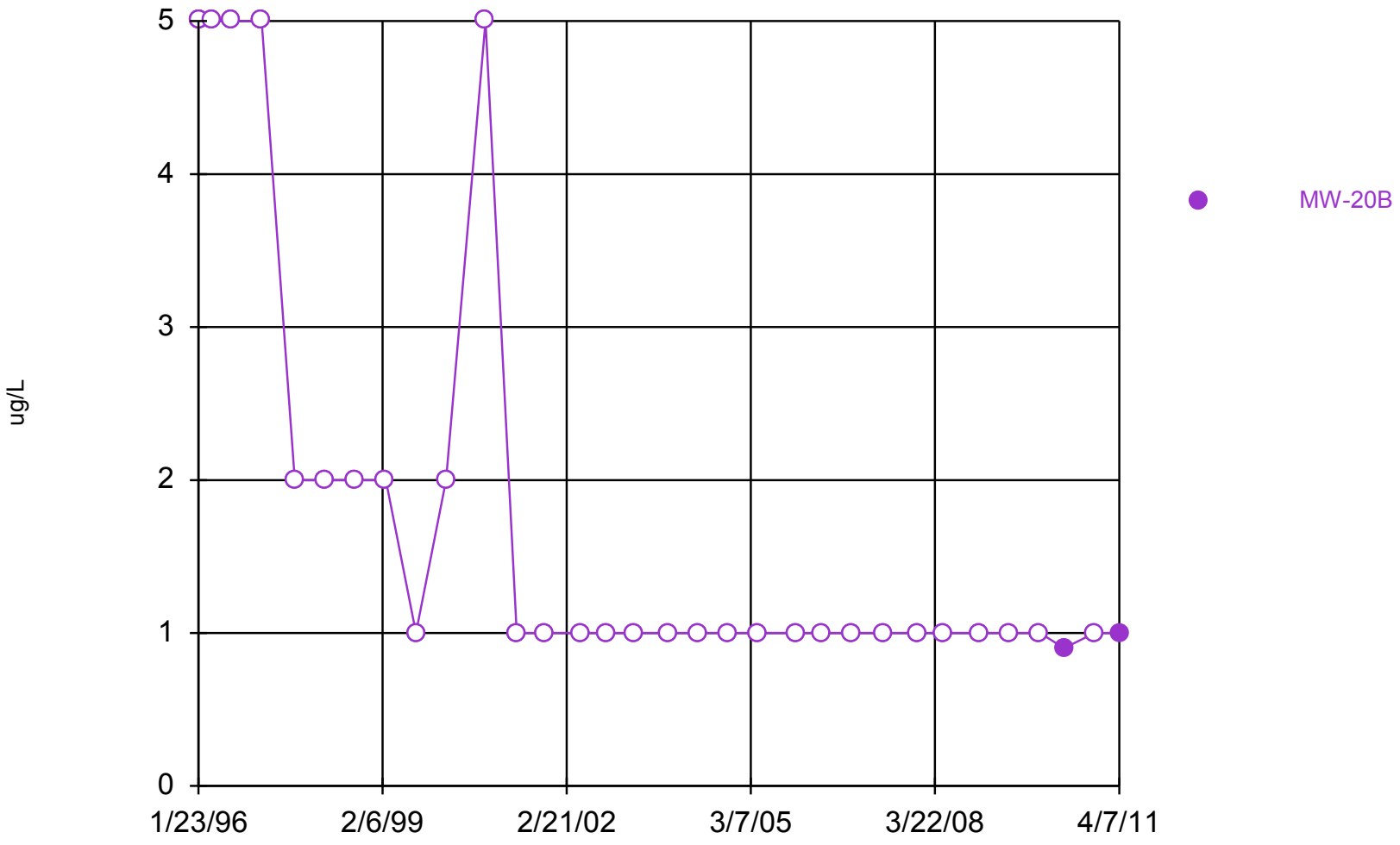
Constituent: Trichloroethylene (ug/L) Analysis Run 6/23/2011 9:25 AM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-1B
11/17/1993	<2
2/18/1994	<2
5/11/1994	<2
8/24/1994	<2
11/23/1994	<2
3/24/1995	<5
5/2/1995	<5
8/3/1995	<5
2/28/1996	<5
8/15/1996	<5
2/5/1997	<5
8/25/1997	<2
2/27/1998	<2
8/27/1998	<1
2/25/1999	<2
8/26/1999	<1
2/24/2000	<2
10/18/2000	<5
4/24/2001	<1
10/17/2001	<1
5/15/2002	<1
10/14/2002	<1
4/9/2003	<1
10/24/2003	<1
4/20/2004	<1
10/18/2004	<1
4/12/2005	<1
11/30/2005	<1
5/8/2006	<1
10/30/2006	<1
5/14/2007	<1
12/6/2007	<1
5/12/2008	<1
12/12/2008	<1
6/16/2009	<1
12/14/2009	<1
5/4/2010	<1
5/23/2011	1.1

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 14-Dichlorobenzene Analysis Run 5/13/2011 1:59 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Time Series

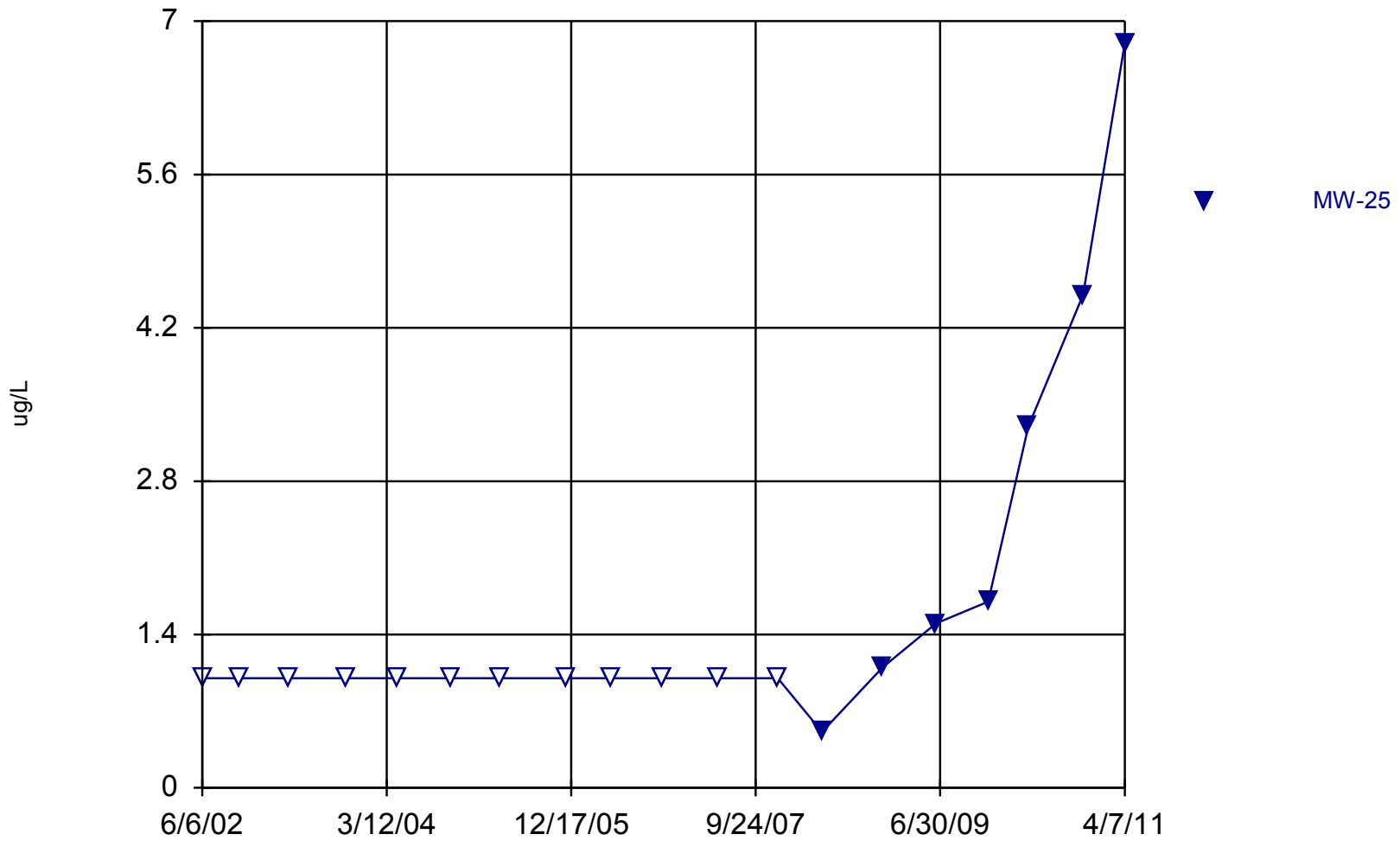
Constituent: 14-Dichlorobenzene (ug/L) Analysis Run 5/13/2011 2:00 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-20B
1/23/1996	<5
1/24/1996	<5
4/15/1996	<5
8/14/1996	<5
2/7/1997	<5
8/26/1997	<2
2/26/1998	<2
8/27/1998	<2
2/26/1999	<2
8/27/1999	<1
2/25/2000	<2
10/19/2000	<5
4/26/2001	<1
10/18/2001	<1
5/16/2002	<1
10/17/2002	<1
4/11/2003	<1
10/24/2003	<1
4/21/2004	<1
10/19/2004	<1
4/13/2005	<1
12/1/2005	<1
5/10/2006	<1
11/1/2006	<1
5/17/2007	<1
12/7/2007	<1
5/15/2008	<1
12/15/2008	<1
6/18/2009	<1
12/16/2009	<1
5/10/2010	0.9 (J)
11/9/2010	<1
4/7/2011	1

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 14-Dichlorobenzene Analysis Run 5/13/2011 2:00 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Time Series

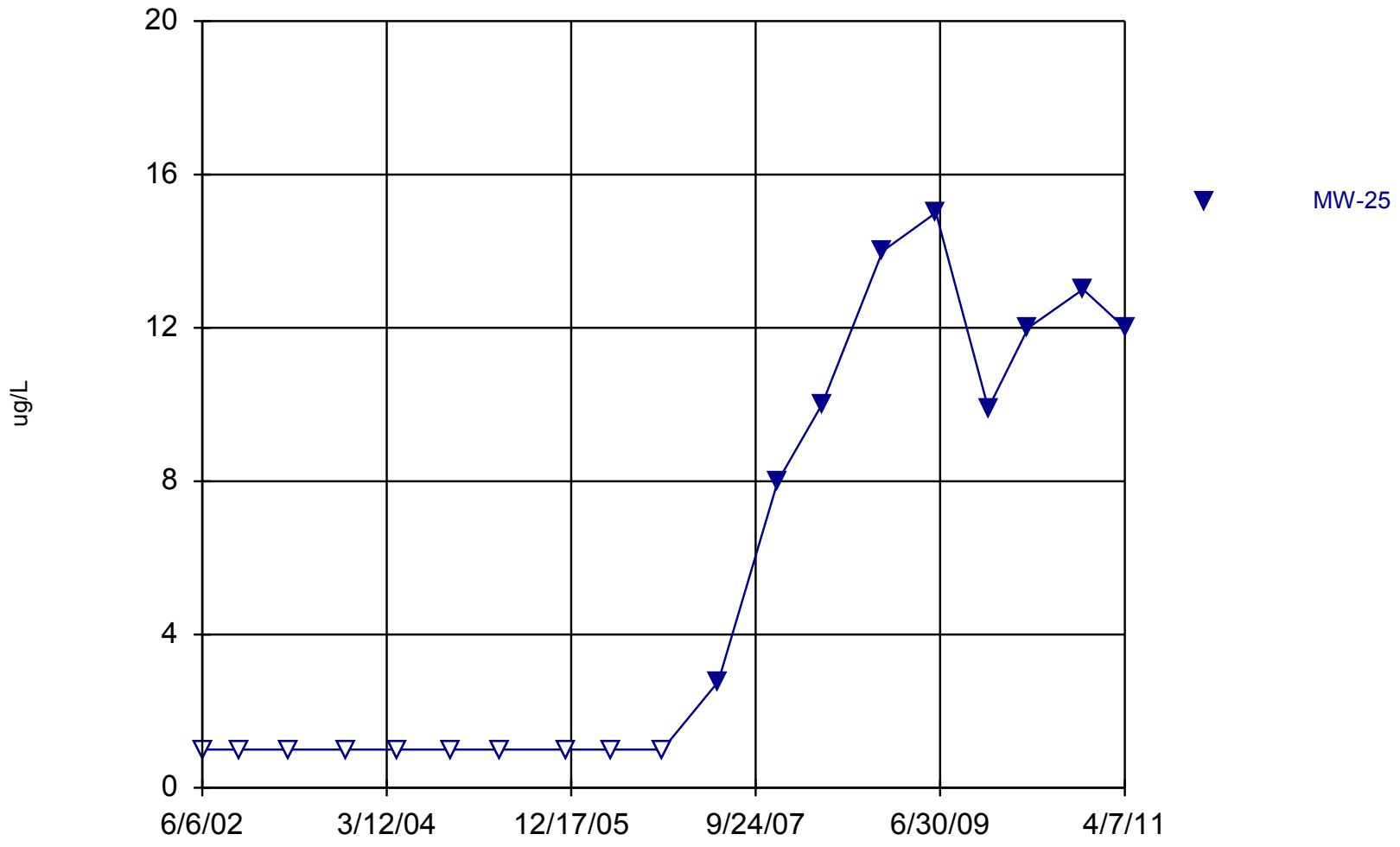
Constituent: 14-Dichlorobenzene (ug/L) Analysis Run 5/13/2011 2:00 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-25
6/6/2002	<1
10/14/2002	<1
4/8/2003	<1
10/24/2003	<1
4/21/2004	<1
10/20/2004	<1
4/12/2005	<1
11/30/2005	<1
5/10/2006	<1
11/2/2006	<1
5/16/2007	<1
12/10/2007	<1
5/13/2008	0.51
12/11/2008	1.1
6/16/2009	1.5
12/15/2009	1.7
5/5/2010	3.3
11/12/2010	4.5
4/7/2011	6.8

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



Constituent: cis-12-Dichloroethylene Analysis Run 5/13/2011 2:03 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Time Series

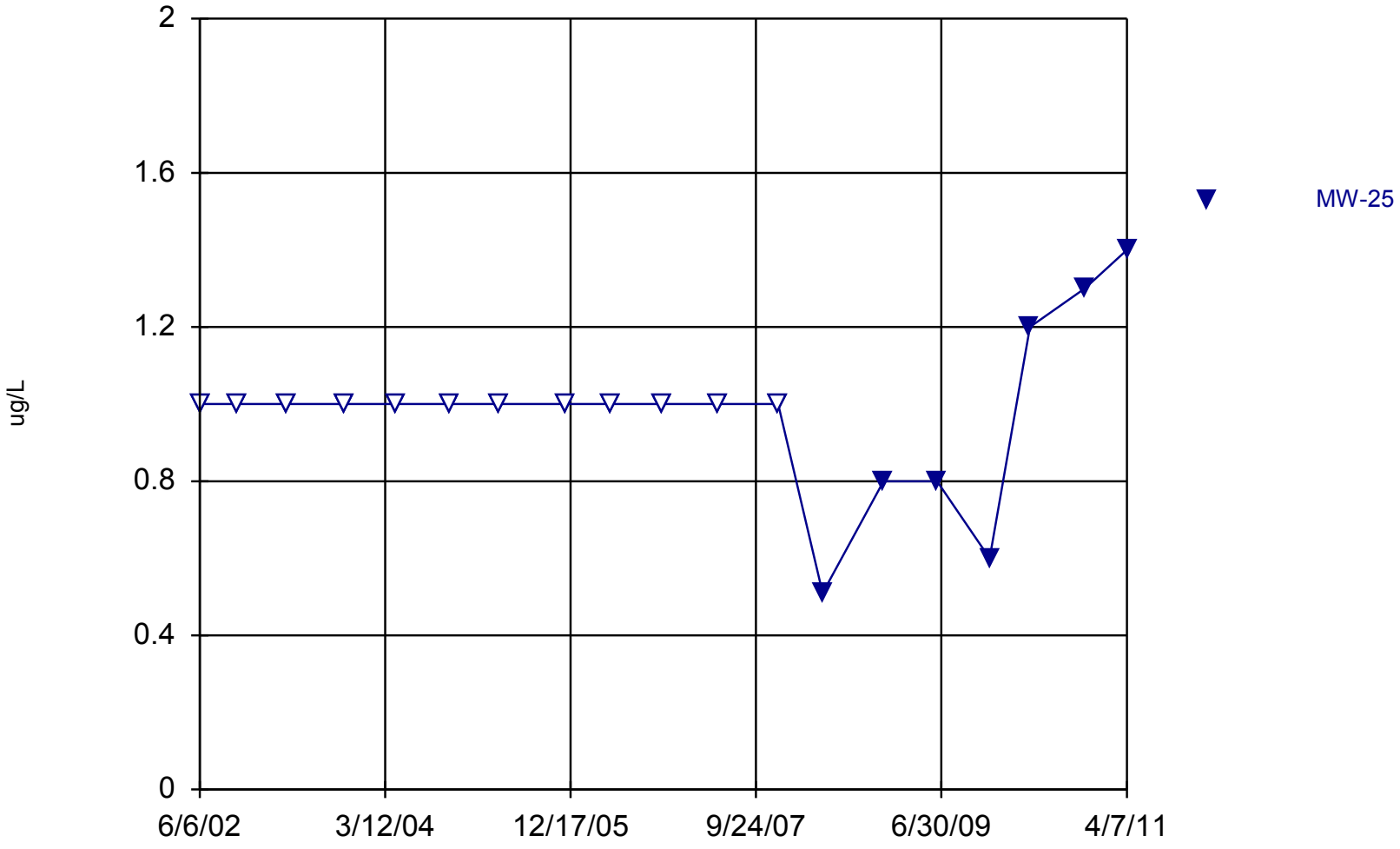
Constituent: cis-12-Dichloroethylene (ug/L) Analysis Run 5/13/2011 2:03 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-25
6/6/2002	<1
10/14/2002	<1
4/8/2003	<1
10/24/2003	<1
4/21/2004	<1
10/20/2004	<1
4/12/2005	<1
11/30/2005	<1
5/10/2006	<1
11/2/2006	<1
5/16/2007	2.77
12/10/2007	8
5/13/2008	10
12/11/2008	14
6/16/2009	15
12/15/2009	9.9
5/5/2010	12
11/12/2010	13
4/7/2011	12

v.9.2.10 n/a. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 5/13/2011 2:01 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

Time Series

Constituent: Vinyl chloride (ug/L) Analysis Run 5/13/2011 2:01 PM

Facility: Charlotte M. Spwy. Client: Charlotte M. Spwy. Data File: CMS

	MW-25
6/6/2002	<1
10/14/2002	<1
4/8/2003	<1
10/24/2003	<1
4/21/2004	<1
10/20/2004	<1
4/12/2005	<1
11/30/2005	<1
5/10/2006	<1
11/2/2006	<1
5/16/2007	<1
12/10/2007	<1
5/13/2008	0.51
12/11/2008	0.8
6/16/2009	0.8 (J)
12/15/2009	0.6 (J)
5/5/2010	1.2
11/12/2010	1.3
4/7/2011	1.4

APPENDIX C
LABORATORY ANALYTICAL REPORT

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Report Number: AUE0784

Project: Charlotte Motor Speedway

Project #:CMS 5

Prepared For:
Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord, NC 28027

Attention: Mr. Mike Gurley

June 03, 2011

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call. Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference(NELAC).All test results relate only to the samples analyzed.

Approved:

Christina Hebbardt

Project Manager

This report may not be reproduced, except in full, without written approval from Analytical Services, Inc.

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1304-MW1B	AUE0784-01	Ground Water	05/23/11 12:45	05/26/11 09:50
1304-MW34	AUE0784-02	Ground Water	05/23/11 13:35	05/26/11 09:50

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW1B
Lab No: AUE0784-01
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 12:45
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Antimony	EPA 6020A	EPA 3005A	ND	6.00	1	ug/L		0.13	7440-36-0	05/31/11 09:50	05/31/11 18:18	1050839
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.51	7440-38-2	05/31/11 09:50	06/01/11 19:47	1050839
Barium	EPA 6020A	EPA 3005A	7.43	100	1	ug/L	J	0.08	7440-39-3	05/31/11 09:50	05/31/11 18:18	1050839
Beryllium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.05	7440-41-7	05/31/11 09:50	06/01/11 19:47	1050839
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.07	7440-43-9	05/31/11 09:50	05/31/11 18:18	1050839
Chromium	EPA 6020A	EPA 3005A	1.67	10.0	1	ug/L	J	0.48	7440-47-3	05/31/11 09:50	06/01/11 19:47	1050839
Cobalt	EPA 6020A	EPA 3005A	13.6	10.0	1	ug/L		0.10	7440-48-4	05/31/11 09:50	06/01/11 19:47	1050839
Copper	EPA 6020A	EPA 3005A	2.29	10.0	1	ug/L	J	0.21	7440-50-8	05/31/11 09:50	06/01/11 19:47	1050839
Lead	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.18	7439-92-1	05/31/11 09:50	05/31/11 18:18	1050839
Nickel	EPA 6020A	EPA 3005A	24.5	50.0	1	ug/L	J	0.26	7440-02-0	05/31/11 09:50	06/01/11 19:47	1050839
Selenium	EPA 6020A	EPA 3005A	1.43	10.0	1	ug/L	J	0.78	7782-49-2	05/31/11 09:50	06/01/11 19:47	1050839
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.14	7440-22-4	05/31/11 09:50	05/31/11 18:18	1050839
Thallium	EPA 6020A	EPA 3005A	0.24	5.50	1	ug/L	J	0.07	7440-28-0	05/31/11 09:50	05/31/11 18:18	1050839
Vanadium	EPA 6020A	EPA 3005A	ND	25.0	1	ug/L		3.72	7440-62-2	05/31/11 09:50	06/01/11 19:47	1050839
Zinc	EPA 6020A	EPA 3005A	6.46	10.0	1	ug/L	J	1.93	7440-66-6	05/31/11 09:50	06/01/11 19:47	1050839
Mercury	EPA 7470A	EPA 7470A	0.058	0.200	1	ug/L	J	0.027	7439-97-6	05/31/11 12:15	06/01/11 11:44	1050840
Tin	EPA 6020A	EPA 3005A	ND	100	1	ug/L		0.6	7440-31-5	05/31/11 09:50	05/31/11 18:18	1050839
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		3.8	67-64-1	05/26/11 13:30	05/26/11 14:00	1050783
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.3	107-13-1	05/26/11 13:30	05/26/11 14:00	1050783
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-43-2	05/26/11 13:30	05/26/11 14:00	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW1B
Lab No: AUE0784-01
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 12:45
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	05/26/11 13:30	05/26/11 14:00	1050783
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-27-4	05/26/11 13:30	05/26/11 14:00	1050783
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.5	75-25-2	05/26/11 13:30	05/26/11 14:00	1050783
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.3	74-83-9	05/26/11 13:30	05/26/11 14:00	1050783
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.4	75-15-0	05/26/11 13:30	05/26/11 14:00	1050783
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	56-23-5	05/26/11 13:30	05/26/11 14:00	1050783
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.5	108-90-7	05/26/11 13:30	05/26/11 14:00	1050783
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.6	75-00-3	05/26/11 13:30	05/26/11 14:00	1050783
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.6	67-66-3	05/26/11 13:30	05/26/11 14:00	1050783
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	74-87-3	05/26/11 13:30	05/26/11 14:00	1050783
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	124-48-1	05/26/11 13:30	05/26/11 14:00	1050783
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.3	96-12-8	05/26/11 13:30	05/26/11 14:00	1050783
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	05/26/11 13:30	05/26/11 14:00	1050783
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.5	74-95-3	05/26/11 13:30	05/26/11 14:00	1050783
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.6	95-50-1	05/26/11 13:30	05/26/11 14:00	1050783
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	106-46-7	05/26/11 13:30	05/26/11 14:00	1050783
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.2	110-57-6	05/26/11 13:30	05/26/11 14:00	1050783
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	75-34-3	05/26/11 13:30	05/26/11 14:00	1050783
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	05/26/11 13:30	05/26/11 14:00	1050783
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	75-35-4	05/26/11 13:30	05/26/11 14:00	1050783
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	156-59-2	05/26/11 13:30	05/26/11 14:00	1050783
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	05/26/11 13:30	05/26/11 14:00	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW1B
Lab No: AUE0784-01
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 12:45
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	78-87-5	05/26/11 13:30	05/26/11 14:00	1050783
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	10061-01-5	05/26/11 13:30	05/26/11 14:00	1050783
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	10061-02-6	05/26/11 13:30	05/26/11 14:00	1050783
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	05/26/11 13:30	05/26/11 14:00	1050783
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.5	74-88-4	05/26/11 13:30	05/26/11 14:00	1050783
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.1	591-78-6	05/26/11 13:30	05/26/11 14:00	1050783
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	05/26/11 13:30	05/26/11 14:00	1050783
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	78-93-3	05/26/11 13:30	05/26/11 14:00	1050783
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.1	108-10-1	05/26/11 13:30	05/26/11 14:00	1050783
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-42-5	05/26/11 13:30	05/26/11 14:00	1050783
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	630-20-6	05/26/11 13:30	05/26/11 14:00	1050783
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-34-5	05/26/11 13:30	05/26/11 14:00	1050783
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	05/26/11 13:30	05/26/11 14:00	1050783
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	108-88-3	05/26/11 13:30	05/26/11 14:00	1050783
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	05/26/11 13:30	05/26/11 14:00	1050783
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	79-00-5	05/26/11 13:30	05/26/11 14:00	1050783
Trichloroethene	EPA 8260B	EPA 5030B	1.1	1.0	1	ug/L		0.3	79-01-6	05/26/11 13:30	05/26/11 14:00	1050783
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	05/26/11 13:30	05/26/11 14:00	1050783
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	96-18-4	05/26/11 13:30	05/26/11 14:00	1050783
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.2	108-05-4	05/26/11 13:30	05/26/11 14:00	1050783
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	05/26/11 13:30	05/26/11 14:00	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW1B
Lab No: AUE0784-01
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 12:45
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Xylenes, total	EPA 8260B	EPA 5030B	ND	4.0	1	ug/L		0.6	1330-20-7	05/26/11 13:30	05/26/11 14:00	1050783
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	86 %		80-120				1868-53-7	05/26/11 13:30	05/26/11 14:00	1050783
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	85 %		77-116				17060-07-0	05/26/11 13:30	05/26/11 14:00	1050783
Surr: Toluene-d8	EPA 8260B	EPA 5030B	92 %		80-120				2037-26-5	05/26/11 13:30	05/26/11 14:00	1050783
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	94 %		80-120				460-00-4	05/26/11 13:30	05/26/11 14:00	1050783
Dichlorodifluoromethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	75-71-8	05/26/11 13:30	05/26/11 14:00	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW34
Lab No: AUE0784-02
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 13:35
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Antimony	EPA 6020A	EPA 3005A	ND	6.00	1	ug/L		0.13	7440-36-0	05/31/11 09:50	05/31/11 18:23	1050839
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.51	7440-38-2	05/31/11 09:50	06/01/11 19:53	1050839
Barium	EPA 6020A	EPA 3005A	87.7	100	1	ug/L	J	0.08	7440-39-3	05/31/11 09:50	05/31/11 18:23	1050839
Beryllium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.05	7440-41-7	05/31/11 09:50	06/01/11 19:53	1050839
Cadmium	EPA 6020A	EPA 3005A	0.16	1.00	1	ug/L	J	0.07	7440-43-9	05/31/11 09:50	05/31/11 18:23	1050839
Chromium	EPA 6020A	EPA 3005A	6.65	10.0	1	ug/L	J	0.48	7440-47-3	05/31/11 09:50	06/01/11 19:53	1050839
Cobalt	EPA 6020A	EPA 3005A	2.62	10.0	1	ug/L	J	0.10	7440-48-4	05/31/11 09:50	06/01/11 19:53	1050839
Copper	EPA 6020A	EPA 3005A	5.32	10.0	1	ug/L	J	0.21	7440-50-8	05/31/11 09:50	06/01/11 19:53	1050839
Lead	EPA 6020A	EPA 3005A	1.88	10.0	1	ug/L	J	0.18	7439-92-1	05/31/11 09:50	05/31/11 18:23	1050839
Nickel	EPA 6020A	EPA 3005A	5.23	50.0	1	ug/L	J	0.26	7440-02-0	05/31/11 09:50	06/01/11 19:53	1050839
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.78	7782-49-2	05/31/11 09:50	06/01/11 19:53	1050839
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.14	7440-22-4	05/31/11 09:50	05/31/11 18:23	1050839
Thallium	EPA 6020A	EPA 3005A	0.09	5.50	1	ug/L	J	0.07	7440-28-0	05/31/11 09:50	05/31/11 18:23	1050839
Vanadium	EPA 6020A	EPA 3005A	ND	25.0	1	ug/L		3.72	7440-62-2	05/31/11 09:50	06/01/11 19:53	1050839
Zinc	EPA 6020A	EPA 3005A	12.3	10.0	1	ug/L		1.93	7440-66-6	05/31/11 09:50	06/01/11 19:53	1050839
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.027	7439-97-6	05/31/11 12:15	06/01/11 11:46	1050840
Tin	EPA 6020A	EPA 3005A	ND	100	1	ug/L		0.6	7440-31-5	05/31/11 09:50	05/31/11 18:23	1050839
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		3.8	67-64-1	05/26/11 13:30	05/26/11 14:33	1050783
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.3	107-13-1	05/26/11 13:30	05/26/11 14:33	1050783
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-43-2	05/26/11 13:30	05/26/11 14:33	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW34
Lab No: AUE0784-02
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 13:35
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	05/26/11 13:30	05/26/11 14:33	1050783
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-27-4	05/26/11 13:30	05/26/11 14:33	1050783
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.5	75-25-2	05/26/11 13:30	05/26/11 14:33	1050783
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.3	74-83-9	05/26/11 13:30	05/26/11 14:33	1050783
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.4	75-15-0	05/26/11 13:30	05/26/11 14:33	1050783
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	56-23-5	05/26/11 13:30	05/26/11 14:33	1050783
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.5	108-90-7	05/26/11 13:30	05/26/11 14:33	1050783
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.6	75-00-3	05/26/11 13:30	05/26/11 14:33	1050783
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.6	67-66-3	05/26/11 13:30	05/26/11 14:33	1050783
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	74-87-3	05/26/11 13:30	05/26/11 14:33	1050783
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	124-48-1	05/26/11 13:30	05/26/11 14:33	1050783
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.3	96-12-8	05/26/11 13:30	05/26/11 14:33	1050783
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	05/26/11 13:30	05/26/11 14:33	1050783
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.5	74-95-3	05/26/11 13:30	05/26/11 14:33	1050783
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.6	95-50-1	05/26/11 13:30	05/26/11 14:33	1050783
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	106-46-7	05/26/11 13:30	05/26/11 14:33	1050783
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.2	110-57-6	05/26/11 13:30	05/26/11 14:33	1050783
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	75-34-3	05/26/11 13:30	05/26/11 14:33	1050783
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	05/26/11 13:30	05/26/11 14:33	1050783
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	75-35-4	05/26/11 13:30	05/26/11 14:33	1050783
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	156-59-2	05/26/11 13:30	05/26/11 14:33	1050783
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	05/26/11 13:30	05/26/11 14:33	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW34
Lab No: AUE0784-02
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 13:35
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	78-87-5	05/26/11 13:30	05/26/11 14:33	1050783
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	10061-01-5	05/26/11 13:30	05/26/11 14:33	1050783
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	10061-02-6	05/26/11 13:30	05/26/11 14:33	1050783
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	05/26/11 13:30	05/26/11 14:33	1050783
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.5	74-88-4	05/26/11 13:30	05/26/11 14:33	1050783
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.1	591-78-6	05/26/11 13:30	05/26/11 14:33	1050783
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	05/26/11 13:30	05/26/11 14:33	1050783
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	78-93-3	05/26/11 13:30	05/26/11 14:33	1050783
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.1	108-10-1	05/26/11 13:30	05/26/11 14:33	1050783
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-42-5	05/26/11 13:30	05/26/11 14:33	1050783
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	630-20-6	05/26/11 13:30	05/26/11 14:33	1050783
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-34-5	05/26/11 13:30	05/26/11 14:33	1050783
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	05/26/11 13:30	05/26/11 14:33	1050783
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	108-88-3	05/26/11 13:30	05/26/11 14:33	1050783
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	05/26/11 13:30	05/26/11 14:33	1050783
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	79-00-5	05/26/11 13:30	05/26/11 14:33	1050783
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-01-6	05/26/11 13:30	05/26/11 14:33	1050783
Trichlorofluoromethane	EPA 8260B	EPA 5030B	0.7	1.0	1	ug/L	J	0.3	75-69-4	05/26/11 13:30	05/26/11 14:33	1050783
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	96-18-4	05/26/11 13:30	05/26/11 14:33	1050783
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.2	108-05-4	05/26/11 13:30	05/26/11 14:33	1050783
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	05/26/11 13:30	05/26/11 14:33	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW34
Lab No: AUE0784-02
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 13:35
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Xylenes, total	EPA 8260B	EPA 5030B	ND	4.0	1	ug/L		0.6	1330-20-7	05/26/11 13:30	05/26/11 14:33	1050783
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	100 %		80-120				1868-53-7	05/26/11 13:30	05/26/11 14:33	1050783
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	96 %		77-116				17060-07-0	05/26/11 13:30	05/26/11 14:33	1050783
Surr: Toluene-d8	EPA 8260B	EPA 5030B	92 %		80-120				2037-26-5	05/26/11 13:30	05/26/11 14:33	1050783
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	95 %		80-120				460-00-4	05/26/11 13:30	05/26/11 14:33	1050783
Dichlorodifluoromethane	EPA 8260B	EPA 5030B	0.8	5.0	1	ug/L	J	0.5	75-71-8	05/26/11 13:30	05/26/11 14:33	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050839 - EPA 3005A										
Blank (1050839-BLK1)							Prepared & Analyzed: 05/31/11			
Antimony	ND	6.00	ug/L							
Arsenic	ND	10.0	ug/L							
Barium	0.23	100	ug/L							J
Beryllium	ND	1.00	ug/L							
Cadmium	ND	1.00	ug/L							
Chromium	ND	10.0	ug/L							
Cobalt	ND	10.0	ug/L							
Copper	ND	10.0	ug/L							
Lead	ND	10.0	ug/L							
Nickel	ND	50.0	ug/L							
Selenium	ND	10.0	ug/L							
Silver	ND	10.0	ug/L							
Thallium	ND	5.50	ug/L							
Tin	ND	20.0	ug/L							
Vanadium	ND	25.0	ug/L							
Zinc	ND	10.0	ug/L							
LCS (1050839-BS1)							Prepared & Analyzed: 05/31/11			
Antimony	102	6.00	ug/L	100.00		102	80-120			
Arsenic	105	10.0	ug/L	100.00		105	80-120			
Barium	101	100	ug/L	100.00		101	80-120			
Beryllium	97.2	1.00	ug/L	100.00		97	80-120			
Cadmium	101	1.00	ug/L	100.00		101	80-120			
Chromium	98.7	10.0	ug/L	100.00		99	80-120			
Cobalt	100	10.0	ug/L	100.00		100	80-120			
Copper	99.5	10.0	ug/L	100.00		100	80-120			
Lead	99.2	10.0	ug/L	100.00		99	80-120			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050839 - EPA 3005A										
LCS (1050839-BS1)							Prepared & Analyzed: 05/31/11			
Nickel	98.6	50.0	ug/L	100.00		99	80-120			
Selenium	97.9	10.0	ug/L	100.00		98	80-120			
Silver	101	10.0	ug/L	100.00		101	80-120			
Thallium	101	5.50	ug/L	100.00		101	80-120			
Tin	101	20.0	ug/L	100.00		101	80-120			
Vanadium	98.0	25.0	ug/L	100.00		98	80-120			
Zinc	102	10.0	ug/L	100.00		102	80-120			
Matrix Spike (1050839-MS1)	**Source: AUE0830-04**						Prepared & Analyzed: 05/31/11			
Antimony	107	6.00	ug/L	100.00	0.50	106	75-125			
Arsenic	108	10.0	ug/L	100.00	ND	108	75-125			
Barium	201	100	ug/L	100.00	97.8	103	75-125			
Beryllium	98.4	1.00	ug/L	100.00	ND	98	75-125			
Cadmium	105	1.00	ug/L	100.00	0.25	105	75-125			
Chromium	100	10.0	ug/L	100.00	ND	100	75-125			
Cobalt	102	10.0	ug/L	100.00	1.58	100	75-125			
Copper	103	10.0	ug/L	100.00	6.10	97	75-125			
Lead	98.5	10.0	ug/L	100.00	ND	99	75-125			
Nickel	105	50.0	ug/L	100.00	7.74	97	75-125			
Selenium	103	10.0	ug/L	100.00	ND	103	75-125			
Silver	102	10.0	ug/L	100.00	ND	102	75-125			
Thallium	103	5.50	ug/L	100.00	ND	103	75-125			
Tin	106	20.0	ug/L	100.00	ND	106	75-125			
Vanadium	99.2	25.0	ug/L	100.00	ND	99	75-125			
Zinc	227	10.0	ug/L	100.00	130	97	75-125			
Matrix Spike Dup (1050839-MSD1)	**Source: AUE0830-04**						Prepared & Analyzed: 05/31/11			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050839 - EPA 3005A										
Matrix Spike Dup (1050839-MSD1)	**Source: AUE0830-04**						Prepared & Analyzed: 05/31/11			
Antimony	103	6.00	ug/L	100.00	0.50	103	75-125	3	20	
Arsenic	103	10.0	ug/L	100.00	ND	103	75-125	4	20	
Barium	191	100	ug/L	100.00	97.8	93	75-125	5	20	
Beryllium	96.9	1.00	ug/L	100.00	ND	97	75-125	2	20	
Cadmium	100	1.00	ug/L	100.00	0.25	100	75-125	5	20	
Chromium	97.8	10.0	ug/L	100.00	ND	98	75-125	2	20	
Cobalt	98.9	10.0	ug/L	100.00	1.58	97	75-125	3	20	
Copper	99.4	10.0	ug/L	100.00	6.10	93	75-125	4	20	
Lead	94.0	10.0	ug/L	100.00	ND	94	75-125	5	20	
Nickel	101	50.0	ug/L	100.00	7.74	93	75-125	4	20	
Selenium	97.7	10.0	ug/L	100.00	ND	98	75-125	5	20	
Silver	99.8	10.0	ug/L	100.00	ND	100	75-125	3	20	
Thallium	96.0	5.50	ug/L	100.00	ND	96	75-125	7	20	
Tin	103	20.0	ug/L	100.00	ND	103	75-125	3	20	
Vanadium	96.8	25.0	ug/L	100.00	ND	97	75-125	2	20	
Zinc	217	10.0	ug/L	100.00	130	87	75-125	4	20	
Post Spike (1050839-PS1)	**Source: AUE0830-04**						Prepared & Analyzed: 05/31/11			
Antimony	101		ug/L	100.00	0.50	100	80-120			
Arsenic	103		ug/L	100.00	0.29	103	80-120			
Barium	193		ug/L	100.00	97.8	95	80-120			
Beryllium	94.6		ug/L	100.00	-0.01	95	80-120			
Cadmium	98.7		ug/L	100.00	0.25	98	80-120			
Chromium	96.2		ug/L	100.00	-0.68	97	80-120			
Cobalt	97.7		ug/L	100.00	1.58	96	80-120			
Copper	99.1		ug/L	100.00	6.10	93	80-120			
Lead	93.3		ug/L	100.00	0.17	93	80-120			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050839 - EPA 3005A										
Post Spike (1050839-PS1)		**Source: AUE0830-04**					Prepared & Analyzed: 05/31/11			
Nickel	100		ug/L	100.00	7.74	92	80-120			
Selenium	98.2		ug/L	100.00	0.13	98	80-120			
Silver	97.3		ug/L	100.00	0.01	97	80-120			
Thallium	98.5		ug/L	100.00	0.03	98	80-120			
Tin	99.9		ug/L	100.00	0.310	100	80-120			
Vanadium	95.6		ug/L	100.00	-0.17	96	80-120			
Zinc	220		ug/L	100.00	130	90	80-120			
Batch 1050840 - EPA 7470A										
Blank (1050840-BLK1)							Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	ND	0.200	ug/L							
LCS (1050840-BS1)							Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	2.66	0.200	ug/L	2.5000		106	80-120			
Duplicate (1050840-DUP1)		**Source: AUE0737-24**					Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	ND	0.200	ug/L		ND				20	
Matrix Spike (1050840-MS1)		**Source: AUE0737-22**					Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	3.43	0.200	ug/L	2.5000	0.721	108	75-125			
Matrix Spike Dup (1050840-MSD1)		**Source: AUE0737-22**					Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	3.41	0.200	ug/L	2.5000	0.721	108	75-125	0.5	20	
Post Spike (1050840-PS1)		**Source: AUE0737-22**					Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	2.24		ug/L	1.6667	0.481	106	80-120			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050783 - EPA 5030B										
Blank (1050783-BLK1)							Prepared & Analyzed: 05/26/11			
Acetone	ND	100	ug/L							
Acrylonitrile	ND	200	ug/L							
Benzene	ND	1.0	ug/L							
Bromochloromethane	ND	3.0	ug/L							
Bromodichloromethane	ND	1.0	ug/L							
Bromoform	ND	3.0	ug/L							
Bromomethane	ND	10	ug/L							
Carbon Disulfide	ND	100	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	ND	3.0	ug/L							
Chloroethane	ND	10	ug/L							
Chloroform	ND	5.0	ug/L							
Chloromethane	ND	1.0	ug/L							
Dibromochloromethane	ND	1.0	ug/L							
1,2-Dibromo-3-chloropropane	ND	13	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	5.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
trans-1,4-Dichloro-2-butene	ND	100	ug/L							
Dichlorodifluoromethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	5.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	5.0	ug/L							
cis-1,2-Dichloroethene	ND	5.0	ug/L							
trans-1,2-Dichloroethene	ND	5.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050783 - EPA 5030B										
Blank (1050783-BLK1)							Prepared & Analyzed: 05/26/11			
cis-1,3-Dichloropropene	ND	1.0	ug/L							
trans-1,3-Dichloropropene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Iodomethane	ND	10	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	50	ug/L							
Methylene Chloride	ND	1.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L							
Styrene	ND	1.0	ug/L							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
Vinyl Acetate	ND	50	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylenes, total	ND	4.0	ug/L							
Surr: Dibromofluoromethane	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*49*		*ug/L*	*50.000*		*98*	*77-116*			
Surr: Toluene-d8	*47*		*ug/L*	*50.000*		*93*	*80-120*			
Surr: 4-Bromofluorobenzene	*47*		*ug/L*	*50.000*		*94*	*80-120*			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050783 - EPA 5030B										
LCS (1050783-BS1)							Prepared & Analyzed: 05/26/11			
Benzene	47		ug/L	50.000		93	80-120			
Chlorobenzene	48		ug/L	50.000		95	80-120			
1,1-Dichloroethene	57		ug/L	50.000		113	77-121			
Toluene	51		ug/L	50.000		101	78-113			
Trichloroethene	51		ug/L	50.000		102	82-122			
Surr: Dibromofluoromethane	*50*		*ug/L*	*50.000*		*99*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*50*		*ug/L*	*50.000*		*100*	*77-116*			
Surr: Toluene-d8	*46*		*ug/L*	*50.000*		*93*	*80-120*			
Surr: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*96*	*80-120*			
Matrix Spike (1050783-MS1)		**Source: AUE0763-02**					Prepared & Analyzed: 05/26/11			
Benzene	46		ug/L	50.000	ND	92	82-123			
Chlorobenzene	46		ug/L	50.000	ND	92	75-119			
1,1-Dichloroethene	57		ug/L	50.000	ND	114	80-120			
Toluene	50		ug/L	50.000	0.1	100	80-120			
Trichloroethene	51		ug/L	50.000	ND	102	81-125			
Surr: Dibromofluoromethane	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*50*		*ug/L*	*50.000*		*100*	*77-116*			
Surr: Toluene-d8	*45*		*ug/L*	*50.000*		*90*	*80-120*			
Surr: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*96*	*80-120*			
Matrix Spike Dup (1050783-MSD1)		**Source: AUE0763-02**					Prepared & Analyzed: 05/26/11			
Benzene	47		ug/L	50.000	ND	94	82-123	1	9	
Chlorobenzene	46		ug/L	50.000	ND	93	75-119	0.7	13	
1,1-Dichloroethene	59		ug/L	50.000	ND	117	80-120	2	9	

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050783 - EPA 5030B										
Matrix Spike Dup (1050783-MSD1)	**Source: AUE0763-02**					Prepared & Analyzed: 05/26/11				
Toluene	51		ug/L	50.000	0.1	102	80-120	2	9	
Trichloroethene	51		ug/L	50.000	ND	103	81-125	1	11	
Surr: Dibromofluoromethane	*50*		*ug/L*	*50.000*		*100*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*49*		*ug/L*	*50.000*		*99*	*77-116*			
Surr: Toluene-d8	*45*		*ug/L*	*50.000*		*91*	*80-120*			
Surr: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*96*	*80-120*			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2011
NC	North Carolina	381	12/31/2011
NELAC	NELAC (Non-Potable Water, Solids)	E87315	06/30/2011
SC	South Carolina	98011001	06/30/2011
TX	Texas	T104704397-08-TX	03/31/2012

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Legend

Defination of Laboratory Terms

ND - Not Detected at levels greater than or equal to SWSL/RL
SWSL/RL - NC DENR Solid Waste Section LImit/Reporting Limit (Adjusted for DF/Prep Factor)
DF - Dilution Factor
MDL - Method Detection Limit

Qualifiers

J Estimated value less than Reporting Limit (RL) but greater than Method Detection Limit(MDL) (CLP J-Flag).

Note: Unless otherwise noted, all results are reported on an as received basis.

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

195123

CHAIN OF CUSTODY RECORD

ANALYTICAL SERVICES, INC.
ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS
110 TECHNOLOGY PARKWAY NORCROSS, GA 30092
(770) 734-4200 ; FAX (770) 734-4201 : www.asi-lab.com

PAGE 1 OF 1

CLIENT NAME: Republic Waste
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: Concord, NC
REPORT TO: Mike Gurly
CC:
REQUESTED COMPLETION DATE:
PO #:
PROJECT NAME/STATE: CMS 5, NC
PROJECT #:

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# OF CONTAINERS: VOC	# OF CONTAINERS: Metals
5/25/11	12:45	GW		X	MW-1B	1/2	1/2 X
5/25/11	12:45	GW		X	MW-1B	1	3 X
5/25/11	13:35	GW		X	MW-34	1/2	1/2 X
5/25/11	13:35	GW		X	MW-34	1	3 X

LAB NUMBER: 1, 1, 2, 2

CONTAINER TYPE: P - PLASTIC; A - AMBER GLASS; G - CLEAR GLASS; V - VOA VIAL; S - STERILE; O - OTHER

PRESERVATION: 1 - HCl, 4°; 2 - H2SO4, 4°; 3 - HNO3, 4°; 4 - NaOH, 4°; 5 - NaOH/ZnAc, 4°; 6 - Na2S2O3, 4°; 7 - 4°

MATRIX CODES: DW - DRINKING WATER; WW - WASTEWATER; GW - GROUNDWATER; SW - SURFACE WATER; ST - STORM WATER; W - WATER; S - SOIL; SL - SLUDGE; SO - SOLID; A - AIR; L - LIQUID; P - PRODUCT

REMARKS/ADDITIONAL INFORMATION

SAMPLED BY AND TITLE: Dave Hughes / Tech — DATE/TIME: 5/25/11 / 12:45
RECEIVED BY: LOG IN — DATE/TIME: 5/26/11 09:00
RELINQUISHED BY: — DATE/TIME:
RELINQUISHED BY: FED EX — DATE/TIME: 5/25/11 / 9:00
RECEIVED BY LAB: — DATE/TIME: 5/26/11 0950
SAMPLE SHIPPED VIA: COURIER CLIENT OTHER
LAB #: AUE0784
DELIVERY SCHEDULE: V 2
Please use Black Ink to complete form.

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

LOG-IN CHECKLIST **Printed: 6/3/2011 10:29:03AM**

Attn: Mr. Mike Gurley

Client: Allied Waste Ind. Inc. - Charlotte
Project: Charlotte Motor Speedway
Date Received: 05/26/11 09:50

Work Order: AUE0784
Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 2 **#Containers:** 8

Minimum Temp(C): 2.0 **Maximum Temp(C):** 2.0 **Custody Seal(s) Used:** No

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	NO
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments:

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Report Number: AUE0784

Project: Charlotte Motor Speedway

Project #:CMS 5

Prepared For:
Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord, NC 28027

Attention: Mr. Mike Gurley

June 03, 2011

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call. Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference(NELAC).All test results relate only to the samples analyzed.

Approved:

Christina Hebbardt

Project Manager

This report may not be reproduced, except in full, without written approval from Analytical Services, Inc.

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1304-MW1B	AUE0784-01	Ground Water	05/23/11 12:45	05/26/11 09:50
1304-MW34	AUE0784-02	Ground Water	05/23/11 13:35	05/26/11 09:50

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW1B
Lab No: AUE0784-01
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 12:45
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Antimony	EPA 6020A	EPA 3005A	ND	6.00	1	ug/L		0.13	7440-36-0	05/31/11 09:50	05/31/11 18:18	1050839
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.51	7440-38-2	05/31/11 09:50	06/01/11 19:47	1050839
Barium	EPA 6020A	EPA 3005A	7.43	100	1	ug/L	J	0.08	7440-39-3	05/31/11 09:50	05/31/11 18:18	1050839
Beryllium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.05	7440-41-7	05/31/11 09:50	06/01/11 19:47	1050839
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.07	7440-43-9	05/31/11 09:50	05/31/11 18:18	1050839
Chromium	EPA 6020A	EPA 3005A	1.67	10.0	1	ug/L	J	0.48	7440-47-3	05/31/11 09:50	06/01/11 19:47	1050839
Cobalt	EPA 6020A	EPA 3005A	13.6	10.0	1	ug/L		0.10	7440-48-4	05/31/11 09:50	06/01/11 19:47	1050839
Copper	EPA 6020A	EPA 3005A	2.29	10.0	1	ug/L	J	0.21	7440-50-8	05/31/11 09:50	06/01/11 19:47	1050839
Lead	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.18	7439-92-1	05/31/11 09:50	05/31/11 18:18	1050839
Nickel	EPA 6020A	EPA 3005A	24.5	50.0	1	ug/L	J	0.26	7440-02-0	05/31/11 09:50	06/01/11 19:47	1050839
Selenium	EPA 6020A	EPA 3005A	1.43	10.0	1	ug/L	J	0.78	7782-49-2	05/31/11 09:50	06/01/11 19:47	1050839
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.14	7440-22-4	05/31/11 09:50	05/31/11 18:18	1050839
Thallium	EPA 6020A	EPA 3005A	0.24	5.50	1	ug/L	J	0.07	7440-28-0	05/31/11 09:50	05/31/11 18:18	1050839
Vanadium	EPA 6020A	EPA 3005A	ND	25.0	1	ug/L		3.72	7440-62-2	05/31/11 09:50	06/01/11 19:47	1050839
Zinc	EPA 6020A	EPA 3005A	6.46	10.0	1	ug/L	J	1.93	7440-66-6	05/31/11 09:50	06/01/11 19:47	1050839
Mercury	EPA 7470A	EPA 7470A	0.058	0.200	1	ug/L	J	0.027	7439-97-6	05/31/11 12:15	06/01/11 11:44	1050840
Tin	EPA 6020A	EPA 3005A	ND	100	1	ug/L		0.6	7440-31-5	05/31/11 09:50	05/31/11 18:18	1050839
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		3.8	67-64-1	05/26/11 13:30	05/26/11 14:00	1050783
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.3	107-13-1	05/26/11 13:30	05/26/11 14:00	1050783
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-43-2	05/26/11 13:30	05/26/11 14:00	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW1B
Lab No: AUE0784-01
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 12:45
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	05/26/11 13:30	05/26/11 14:00	1050783
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-27-4	05/26/11 13:30	05/26/11 14:00	1050783
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.5	75-25-2	05/26/11 13:30	05/26/11 14:00	1050783
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.3	74-83-9	05/26/11 13:30	05/26/11 14:00	1050783
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.4	75-15-0	05/26/11 13:30	05/26/11 14:00	1050783
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	56-23-5	05/26/11 13:30	05/26/11 14:00	1050783
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.5	108-90-7	05/26/11 13:30	05/26/11 14:00	1050783
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.6	75-00-3	05/26/11 13:30	05/26/11 14:00	1050783
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.6	67-66-3	05/26/11 13:30	05/26/11 14:00	1050783
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	74-87-3	05/26/11 13:30	05/26/11 14:00	1050783
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	124-48-1	05/26/11 13:30	05/26/11 14:00	1050783
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.3	96-12-8	05/26/11 13:30	05/26/11 14:00	1050783
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	05/26/11 13:30	05/26/11 14:00	1050783
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.5	74-95-3	05/26/11 13:30	05/26/11 14:00	1050783
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.6	95-50-1	05/26/11 13:30	05/26/11 14:00	1050783
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	106-46-7	05/26/11 13:30	05/26/11 14:00	1050783
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.2	110-57-6	05/26/11 13:30	05/26/11 14:00	1050783
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	75-34-3	05/26/11 13:30	05/26/11 14:00	1050783
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	05/26/11 13:30	05/26/11 14:00	1050783
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	75-35-4	05/26/11 13:30	05/26/11 14:00	1050783
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	156-59-2	05/26/11 13:30	05/26/11 14:00	1050783
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	05/26/11 13:30	05/26/11 14:00	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW1B
Lab No: AUE0784-01
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 12:45
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	78-87-5	05/26/11 13:30	05/26/11 14:00	1050783
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	10061-01-5	05/26/11 13:30	05/26/11 14:00	1050783
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	10061-02-6	05/26/11 13:30	05/26/11 14:00	1050783
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	05/26/11 13:30	05/26/11 14:00	1050783
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.5	74-88-4	05/26/11 13:30	05/26/11 14:00	1050783
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.1	591-78-6	05/26/11 13:30	05/26/11 14:00	1050783
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	05/26/11 13:30	05/26/11 14:00	1050783
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	78-93-3	05/26/11 13:30	05/26/11 14:00	1050783
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.1	108-10-1	05/26/11 13:30	05/26/11 14:00	1050783
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-42-5	05/26/11 13:30	05/26/11 14:00	1050783
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	630-20-6	05/26/11 13:30	05/26/11 14:00	1050783
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-34-5	05/26/11 13:30	05/26/11 14:00	1050783
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	05/26/11 13:30	05/26/11 14:00	1050783
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	108-88-3	05/26/11 13:30	05/26/11 14:00	1050783
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	05/26/11 13:30	05/26/11 14:00	1050783
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	79-00-5	05/26/11 13:30	05/26/11 14:00	1050783
Trichloroethene	EPA 8260B	EPA 5030B	1.1	1.0	1	ug/L		0.3	79-01-6	05/26/11 13:30	05/26/11 14:00	1050783
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	05/26/11 13:30	05/26/11 14:00	1050783
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	96-18-4	05/26/11 13:30	05/26/11 14:00	1050783
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.2	108-05-4	05/26/11 13:30	05/26/11 14:00	1050783
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	05/26/11 13:30	05/26/11 14:00	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW1B
Lab No: AUE0784-01
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 12:45
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Xylenes, total	EPA 8260B	EPA 5030B	ND	4.0	1	ug/L		0.6	1330-20-7	05/26/11 13:30	05/26/11 14:00	1050783
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	86 %		80-120				1868-53-7	05/26/11 13:30	05/26/11 14:00	1050783
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	85 %		77-116				17060-07-0	05/26/11 13:30	05/26/11 14:00	1050783
Surr: Toluene-d8	EPA 8260B	EPA 5030B	92 %		80-120				2037-26-5	05/26/11 13:30	05/26/11 14:00	1050783
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	94 %		80-120				460-00-4	05/26/11 13:30	05/26/11 14:00	1050783
Dichlorodifluoromethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	75-71-8	05/26/11 13:30	05/26/11 14:00	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW34
Lab No: AUE0784-02
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 13:35
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Antimony	EPA 6020A	EPA 3005A	ND	6.00	1	ug/L		0.13	7440-36-0	05/31/11 09:50	05/31/11 18:23	1050839
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.51	7440-38-2	05/31/11 09:50	06/01/11 19:53	1050839
Barium	EPA 6020A	EPA 3005A	87.7	100	1	ug/L	J	0.08	7440-39-3	05/31/11 09:50	05/31/11 18:23	1050839
Beryllium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.05	7440-41-7	05/31/11 09:50	06/01/11 19:53	1050839
Cadmium	EPA 6020A	EPA 3005A	0.16	1.00	1	ug/L	J	0.07	7440-43-9	05/31/11 09:50	05/31/11 18:23	1050839
Chromium	EPA 6020A	EPA 3005A	6.65	10.0	1	ug/L	J	0.48	7440-47-3	05/31/11 09:50	06/01/11 19:53	1050839
Cobalt	EPA 6020A	EPA 3005A	2.62	10.0	1	ug/L	J	0.10	7440-48-4	05/31/11 09:50	06/01/11 19:53	1050839
Copper	EPA 6020A	EPA 3005A	5.32	10.0	1	ug/L	J	0.21	7440-50-8	05/31/11 09:50	06/01/11 19:53	1050839
Lead	EPA 6020A	EPA 3005A	1.88	10.0	1	ug/L	J	0.18	7439-92-1	05/31/11 09:50	05/31/11 18:23	1050839
Nickel	EPA 6020A	EPA 3005A	5.23	50.0	1	ug/L	J	0.26	7440-02-0	05/31/11 09:50	06/01/11 19:53	1050839
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.78	7782-49-2	05/31/11 09:50	06/01/11 19:53	1050839
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.14	7440-22-4	05/31/11 09:50	05/31/11 18:23	1050839
Thallium	EPA 6020A	EPA 3005A	0.09	5.50	1	ug/L	J	0.07	7440-28-0	05/31/11 09:50	05/31/11 18:23	1050839
Vanadium	EPA 6020A	EPA 3005A	ND	25.0	1	ug/L		3.72	7440-62-2	05/31/11 09:50	06/01/11 19:53	1050839
Zinc	EPA 6020A	EPA 3005A	12.3	10.0	1	ug/L		1.93	7440-66-6	05/31/11 09:50	06/01/11 19:53	1050839
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.027	7439-97-6	05/31/11 12:15	06/01/11 11:46	1050840
Tin	EPA 6020A	EPA 3005A	ND	100	1	ug/L		0.6	7440-31-5	05/31/11 09:50	05/31/11 18:23	1050839
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		3.8	67-64-1	05/26/11 13:30	05/26/11 14:33	1050783
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.3	107-13-1	05/26/11 13:30	05/26/11 14:33	1050783
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-43-2	05/26/11 13:30	05/26/11 14:33	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW34
Lab No: AUE0784-02
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 13:35
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	05/26/11 13:30	05/26/11 14:33	1050783
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-27-4	05/26/11 13:30	05/26/11 14:33	1050783
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.5	75-25-2	05/26/11 13:30	05/26/11 14:33	1050783
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.3	74-83-9	05/26/11 13:30	05/26/11 14:33	1050783
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.4	75-15-0	05/26/11 13:30	05/26/11 14:33	1050783
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	56-23-5	05/26/11 13:30	05/26/11 14:33	1050783
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.5	108-90-7	05/26/11 13:30	05/26/11 14:33	1050783
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.6	75-00-3	05/26/11 13:30	05/26/11 14:33	1050783
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.6	67-66-3	05/26/11 13:30	05/26/11 14:33	1050783
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	74-87-3	05/26/11 13:30	05/26/11 14:33	1050783
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	124-48-1	05/26/11 13:30	05/26/11 14:33	1050783
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.3	96-12-8	05/26/11 13:30	05/26/11 14:33	1050783
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	05/26/11 13:30	05/26/11 14:33	1050783
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.5	74-95-3	05/26/11 13:30	05/26/11 14:33	1050783
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.6	95-50-1	05/26/11 13:30	05/26/11 14:33	1050783
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	106-46-7	05/26/11 13:30	05/26/11 14:33	1050783
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.2	110-57-6	05/26/11 13:30	05/26/11 14:33	1050783
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	75-34-3	05/26/11 13:30	05/26/11 14:33	1050783
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	05/26/11 13:30	05/26/11 14:33	1050783
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	75-35-4	05/26/11 13:30	05/26/11 14:33	1050783
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	156-59-2	05/26/11 13:30	05/26/11 14:33	1050783
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	05/26/11 13:30	05/26/11 14:33	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW34
Lab No: AUE0784-02
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 13:35
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	78-87-5	05/26/11 13:30	05/26/11 14:33	1050783
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	10061-01-5	05/26/11 13:30	05/26/11 14:33	1050783
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	10061-02-6	05/26/11 13:30	05/26/11 14:33	1050783
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	05/26/11 13:30	05/26/11 14:33	1050783
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.5	74-88-4	05/26/11 13:30	05/26/11 14:33	1050783
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.1	591-78-6	05/26/11 13:30	05/26/11 14:33	1050783
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	05/26/11 13:30	05/26/11 14:33	1050783
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	78-93-3	05/26/11 13:30	05/26/11 14:33	1050783
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.1	108-10-1	05/26/11 13:30	05/26/11 14:33	1050783
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-42-5	05/26/11 13:30	05/26/11 14:33	1050783
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	630-20-6	05/26/11 13:30	05/26/11 14:33	1050783
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-34-5	05/26/11 13:30	05/26/11 14:33	1050783
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	05/26/11 13:30	05/26/11 14:33	1050783
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	108-88-3	05/26/11 13:30	05/26/11 14:33	1050783
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	05/26/11 13:30	05/26/11 14:33	1050783
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	79-00-5	05/26/11 13:30	05/26/11 14:33	1050783
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-01-6	05/26/11 13:30	05/26/11 14:33	1050783
Trichlorofluoromethane	EPA 8260B	EPA 5030B	0.7	1.0	1	ug/L	J	0.3	75-69-4	05/26/11 13:30	05/26/11 14:33	1050783
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	96-18-4	05/26/11 13:30	05/26/11 14:33	1050783
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.2	108-05-4	05/26/11 13:30	05/26/11 14:33	1050783
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	05/26/11 13:30	05/26/11 14:33	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Client ID: 1304-MW34
Lab No: AUE0784-02
Matrix: Ground Water

Project: Charlotte Motor Speedway
Date/Time Sampled: 05/23/11 13:35
Date/Time Received: 05/26/11 09:50

Report No.: AUE0784

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Xylenes, total	EPA 8260B	EPA 5030B	ND	4.0	1	ug/L		0.6	1330-20-7	05/26/11 13:30	05/26/11 14:33	1050783
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	100 %		80-120				1868-53-7	05/26/11 13:30	05/26/11 14:33	1050783
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	96 %		77-116				17060-07-0	05/26/11 13:30	05/26/11 14:33	1050783
Surr: Toluene-d8	EPA 8260B	EPA 5030B	92 %		80-120				2037-26-5	05/26/11 13:30	05/26/11 14:33	1050783
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	95 %		80-120				460-00-4	05/26/11 13:30	05/26/11 14:33	1050783
Dichlorodifluoromethane	EPA 8260B	EPA 5030B	0.8	5.0	1	ug/L	J	0.5	75-71-8	05/26/11 13:30	05/26/11 14:33	1050783

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050839 - EPA 3005A										
Blank (1050839-BLK1)							Prepared & Analyzed: 05/31/11			
Antimony	ND	6.00	ug/L							
Arsenic	ND	10.0	ug/L							
Barium	0.23	100	ug/L							J
Beryllium	ND	1.00	ug/L							
Cadmium	ND	1.00	ug/L							
Chromium	ND	10.0	ug/L							
Cobalt	ND	10.0	ug/L							
Copper	ND	10.0	ug/L							
Lead	ND	10.0	ug/L							
Nickel	ND	50.0	ug/L							
Selenium	ND	10.0	ug/L							
Silver	ND	10.0	ug/L							
Thallium	ND	5.50	ug/L							
Tin	ND	20.0	ug/L							
Vanadium	ND	25.0	ug/L							
Zinc	ND	10.0	ug/L							
LCS (1050839-BS1)							Prepared & Analyzed: 05/31/11			
Antimony	102	6.00	ug/L	100.00		102	80-120			
Arsenic	105	10.0	ug/L	100.00		105	80-120			
Barium	101	100	ug/L	100.00		101	80-120			
Beryllium	97.2	1.00	ug/L	100.00		97	80-120			
Cadmium	101	1.00	ug/L	100.00		101	80-120			
Chromium	98.7	10.0	ug/L	100.00		99	80-120			
Cobalt	100	10.0	ug/L	100.00		100	80-120			
Copper	99.5	10.0	ug/L	100.00		100	80-120			
Lead	99.2	10.0	ug/L	100.00		99	80-120			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050839 - EPA 3005A										
LCS (1050839-BS1)							Prepared & Analyzed: 05/31/11			
Nickel	98.6	50.0	ug/L	100.00		99	80-120			
Selenium	97.9	10.0	ug/L	100.00		98	80-120			
Silver	101	10.0	ug/L	100.00		101	80-120			
Thallium	101	5.50	ug/L	100.00		101	80-120			
Tin	101	20.0	ug/L	100.00		101	80-120			
Vanadium	98.0	25.0	ug/L	100.00		98	80-120			
Zinc	102	10.0	ug/L	100.00		102	80-120			
Matrix Spike (1050839-MS1)	**Source: AUE0830-04**						Prepared & Analyzed: 05/31/11			
Antimony	107	6.00	ug/L	100.00	0.50	106	75-125			
Arsenic	108	10.0	ug/L	100.00	ND	108	75-125			
Barium	201	100	ug/L	100.00	97.8	103	75-125			
Beryllium	98.4	1.00	ug/L	100.00	ND	98	75-125			
Cadmium	105	1.00	ug/L	100.00	0.25	105	75-125			
Chromium	100	10.0	ug/L	100.00	ND	100	75-125			
Cobalt	102	10.0	ug/L	100.00	1.58	100	75-125			
Copper	103	10.0	ug/L	100.00	6.10	97	75-125			
Lead	98.5	10.0	ug/L	100.00	ND	99	75-125			
Nickel	105	50.0	ug/L	100.00	7.74	97	75-125			
Selenium	103	10.0	ug/L	100.00	ND	103	75-125			
Silver	102	10.0	ug/L	100.00	ND	102	75-125			
Thallium	103	5.50	ug/L	100.00	ND	103	75-125			
Tin	106	20.0	ug/L	100.00	ND	106	75-125			
Vanadium	99.2	25.0	ug/L	100.00	ND	99	75-125			
Zinc	227	10.0	ug/L	100.00	130	97	75-125			
Matrix Spike Dup (1050839-MSD1)	**Source: AUE0830-04**						Prepared & Analyzed: 05/31/11			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050839 - EPA 3005A										
Matrix Spike Dup (1050839-MSD1)	**Source: AUE0830-04**						Prepared & Analyzed: 05/31/11			
Antimony	103	6.00	ug/L	100.00	0.50	103	75-125	3	20	
Arsenic	103	10.0	ug/L	100.00	ND	103	75-125	4	20	
Barium	191	100	ug/L	100.00	97.8	93	75-125	5	20	
Beryllium	96.9	1.00	ug/L	100.00	ND	97	75-125	2	20	
Cadmium	100	1.00	ug/L	100.00	0.25	100	75-125	5	20	
Chromium	97.8	10.0	ug/L	100.00	ND	98	75-125	2	20	
Cobalt	98.9	10.0	ug/L	100.00	1.58	97	75-125	3	20	
Copper	99.4	10.0	ug/L	100.00	6.10	93	75-125	4	20	
Lead	94.0	10.0	ug/L	100.00	ND	94	75-125	5	20	
Nickel	101	50.0	ug/L	100.00	7.74	93	75-125	4	20	
Selenium	97.7	10.0	ug/L	100.00	ND	98	75-125	5	20	
Silver	99.8	10.0	ug/L	100.00	ND	100	75-125	3	20	
Thallium	96.0	5.50	ug/L	100.00	ND	96	75-125	7	20	
Tin	103	20.0	ug/L	100.00	ND	103	75-125	3	20	
Vanadium	96.8	25.0	ug/L	100.00	ND	97	75-125	2	20	
Zinc	217	10.0	ug/L	100.00	130	87	75-125	4	20	
Post Spike (1050839-PS1)	**Source: AUE0830-04**						Prepared & Analyzed: 05/31/11			
Antimony	101		ug/L	100.00	0.50	100	80-120			
Arsenic	103		ug/L	100.00	0.29	103	80-120			
Barium	193		ug/L	100.00	97.8	95	80-120			
Beryllium	94.6		ug/L	100.00	-0.01	95	80-120			
Cadmium	98.7		ug/L	100.00	0.25	98	80-120			
Chromium	96.2		ug/L	100.00	-0.68	97	80-120			
Cobalt	97.7		ug/L	100.00	1.58	96	80-120			
Copper	99.1		ug/L	100.00	6.10	93	80-120			
Lead	93.3		ug/L	100.00	0.17	93	80-120			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050839 - EPA 3005A										
Post Spike (1050839-PS1)		**Source: AUE0830-04**					Prepared & Analyzed: 05/31/11			
Nickel	100		ug/L	100.00	7.74	92	80-120			
Selenium	98.2		ug/L	100.00	0.13	98	80-120			
Silver	97.3		ug/L	100.00	0.01	97	80-120			
Thallium	98.5		ug/L	100.00	0.03	98	80-120			
Tin	99.9		ug/L	100.00	0.310	100	80-120			
Vanadium	95.6		ug/L	100.00	-0.17	96	80-120			
Zinc	220		ug/L	100.00	130	90	80-120			
Batch 1050840 - EPA 7470A										
Blank (1050840-BLK1)							Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	ND	0.200	ug/L							
LCS (1050840-BS1)							Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	2.66	0.200	ug/L	2.5000		106	80-120			
Duplicate (1050840-DUP1)		**Source: AUE0737-24**					Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	ND	0.200	ug/L		ND				20	
Matrix Spike (1050840-MS1)		**Source: AUE0737-22**					Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	3.43	0.200	ug/L	2.5000	0.721	108	75-125			
Matrix Spike Dup (1050840-MSD1)		**Source: AUE0737-22**					Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	3.41	0.200	ug/L	2.5000	0.721	108	75-125	0.5	20	
Post Spike (1050840-PS1)		**Source: AUE0737-22**					Prepared: 05/31/11 Analyzed: 06/01/11			
Mercury	2.24		ug/L	1.6667	0.481	106	80-120			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050783 - EPA 5030B										
Blank (1050783-BLK1)							Prepared & Analyzed: 05/26/11			
Acetone	ND	100	ug/L							
Acrylonitrile	ND	200	ug/L							
Benzene	ND	1.0	ug/L							
Bromochloromethane	ND	3.0	ug/L							
Bromodichloromethane	ND	1.0	ug/L							
Bromoform	ND	3.0	ug/L							
Bromomethane	ND	10	ug/L							
Carbon Disulfide	ND	100	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	ND	3.0	ug/L							
Chloroethane	ND	10	ug/L							
Chloroform	ND	5.0	ug/L							
Chloromethane	ND	1.0	ug/L							
Dibromochloromethane	ND	1.0	ug/L							
1,2-Dibromo-3-chloropropane	ND	13	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	5.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
trans-1,4-Dichloro-2-butene	ND	100	ug/L							
Dichlorodifluoromethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	5.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	5.0	ug/L							
cis-1,2-Dichloroethene	ND	5.0	ug/L							
trans-1,2-Dichloroethene	ND	5.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050783 - EPA 5030B										
Blank (1050783-BLK1)							Prepared & Analyzed: 05/26/11			
cis-1,3-Dichloropropene	ND	1.0	ug/L							
trans-1,3-Dichloropropene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Iodomethane	ND	10	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	50	ug/L							
Methylene Chloride	ND	1.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L							
Styrene	ND	1.0	ug/L							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
Vinyl Acetate	ND	50	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylenes, total	ND	4.0	ug/L							
Surr: Dibromofluoromethane	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*49*		*ug/L*	*50.000*		*98*	*77-116*			
Surr: Toluene-d8	*47*		*ug/L*	*50.000*		*93*	*80-120*			
Surr: 4-Bromofluorobenzene	*47*		*ug/L*	*50.000*		*94*	*80-120*			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050783 - EPA 5030B										
LCS (1050783-BS1)							Prepared & Analyzed: 05/26/11			
Benzene	47		ug/L	50.000		93	80-120			
Chlorobenzene	48		ug/L	50.000		95	80-120			
1,1-Dichloroethene	57		ug/L	50.000		113	77-121			
Toluene	51		ug/L	50.000		101	78-113			
Trichloroethene	51		ug/L	50.000		102	82-122			
Surr: Dibromofluoromethane	*50*		*ug/L*	*50.000*		*99*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*50*		*ug/L*	*50.000*		*100*	*77-116*			
Surr: Toluene-d8	*46*		*ug/L*	*50.000*		*93*	*80-120*			
Surr: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*96*	*80-120*			
Matrix Spike (1050783-MS1)		**Source: AUE0763-02**					Prepared & Analyzed: 05/26/11			
Benzene	46		ug/L	50.000	ND	92	82-123			
Chlorobenzene	46		ug/L	50.000	ND	92	75-119			
1,1-Dichloroethene	57		ug/L	50.000	ND	114	80-120			
Toluene	50		ug/L	50.000	0.1	100	80-120			
Trichloroethene	51		ug/L	50.000	ND	102	81-125			
Surr: Dibromofluoromethane	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*50*		*ug/L*	*50.000*		*100*	*77-116*			
Surr: Toluene-d8	*45*		*ug/L*	*50.000*		*90*	*80-120*			
Surr: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*96*	*80-120*			
Matrix Spike Dup (1050783-MSD1)		**Source: AUE0763-02**					Prepared & Analyzed: 05/26/11			
Benzene	47		ug/L	50.000	ND	94	82-123	1	9	
Chlorobenzene	46		ug/L	50.000	ND	93	75-119	0.7	13	
1,1-Dichloroethene	59		ug/L	50.000	ND	117	80-120	2	9	

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1050783 - EPA 5030B										
Matrix Spike Dup (1050783-MSD1)	**Source: AUE0763-02**					Prepared & Analyzed: 05/26/11				
Toluene	51		ug/L	50.000	0.1	102	80-120	2	9	
Trichloroethene	51		ug/L	50.000	ND	103	81-125	1	11	
Surr: Dibromofluoromethane	*50*		*ug/L*	*50.000*		*100*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*49*		*ug/L*	*50.000*		*99*	*77-116*			
Surr: Toluene-d8	*45*		*ug/L*	*50.000*		*91*	*80-120*			
Surr: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*96*	*80-120*			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2011
NC	North Carolina	381	12/31/2011
NELAC	NELAC (Non-Potable Water, Solids)	E87315	06/30/2011
SC	South Carolina	98011001	06/30/2011
TX	Texas	T104704397-08-TX	03/31/2012

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

Legend

Defination of Laboratory Terms

ND - Not Detected at levels greater than or equal to SWSL/RL
SWSL/RL - NC DENR Solid Waste Section LImit/Reporting Limit (Adjusted for DF/Prep Factor)
DF - Dilution Factor
MDL - Method Detection Limit

Qualifiers

J Estimated value less than Reporting Limit (RL) but greater than Method Detection Limit(MDL) (CLP J-Flag).

Note: Unless otherwise noted, all results are reported on an as received basis.

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

June 03, 2011

195123

CHAIN OF CUSTODY RECORD

ANALYTICAL SERVICES, INC.
ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS
110 TECHNOLOGY PARKWAY NORCROSS, GA 30092
(770) 734-4200 ; FAX (770) 734-4201 : www.asi-lab.com

PAGE 1 OF 1

CLIENT NAME: Republic Waste
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: Concord, NC
REPORT TO: Mike Gurly
CC:
REQUESTED COMPLETION DATE:
PO #:
PROJECT NAME/STATE: CMS 5, NC
PROJECT #:

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# OF CONTAINERS: VOC	# OF CONTAINERS: Metals
5/25/11	12:45	GW		X	MW-1B	1/2	1/2 X
5/25/11	12:45	GW		X	MW-1B	1	3 X
5/25/11	13:35	GW		X	MW-34	1/2	1/2 X
5/25/11	13:35	GW		X	MW-34	1	3 X

LAB NUMBER: 1, 1, 2, 2

CONTAINER TYPE: P - PLASTIC; A - AMBER GLASS; G - CLEAR GLASS; V - VOA VIAL; S - STERILE; O - OTHER

PRESERVATION: 1 - HCl, 4°; 2 - H2SO4, 4°; 3 - HNO3, 4°; 4 - NaOH, 4°; 5 - NaOH/ZnAc, 4°; 6 - Na2S2O3, 4°; 7 - 4°

MATRIX CODES: DW - DRINKING WATER; WW - WASTEWATER; GW - GROUNDWATER; SW - SURFACE WATER; ST - STORM WATER; W - WATER; S - SOIL; SL - SLUDGE; SO - SOLID; A - AIR; L - LIQUID; P - PRODUCT

REMARKS/ADDITIONAL INFORMATION

SAMPLED BY AND TITLE: Dave Hughes / Tech — DATE/TIME: 5/25/11 / 12:45
RECEIVED BY: LOG IN — DATE/TIME: 5/26/11 09:00
RELINQUISHED BY: — DATE/TIME:
RELINQUISHED BY: FED EX — DATE/TIME: 5/25/11 / 9:00
RECEIVED BY LAB: — DATE/TIME: 5/26/11 0950
SAMPLE SHIPPED VIA: COURIER CLIENT OTHER
LAB #: AUE0784
DELIVERY SCHEDULE: V 2
Please use Black Ink to complete form.

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

LOG-IN CHECKLIST **Printed: 6/3/2011 10:29:03AM**

Attn: Mr. Mike Gurley

Client: Allied Waste Ind. Inc. - Charlotte
Project: Charlotte Motor Speedway
Date Received: 05/26/11 09:50

Work Order: AUE0784
Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 2 **#Containers:** 8

Minimum Temp(C): 2.0 **Maximum Temp(C):** 2.0 **Custody Seal(s) Used:** No

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	NO
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments:

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-19A

.ocation: CMSS

Field Representative: DH/DHH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/6/11 10:25

One (1) Casing Volume, Gal: 27.0'

Initial Water Level, Feet: 30.02'

Total Volume Purged, Gal: 81.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 71'

Water Level After Purge, Feet: 41.00'

Casing Diameter, Inches: 4"

Date / Time Completed: 4/6/11 13:05

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO ( )
10:30		0	18.0°	6.6	530	4.3	4.3
11:13		27	18.4°	7.0	458	13.4	3.6
12:04		54	19.0°	6.9	405	4.3	3.1
13:05		81	19.4°	6.9	370	1.4	3.3

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-19A

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 1

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/6/11 13:05	VOA _____ Other _____	19.4°	6.9	370	1.4	3.3

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.51 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ slope → 97.5 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ 1,412 umhos/cm = 1,409 ___ umhos/cm = _____

1,660

GENERAL INFORMATION: D.O. → 10.5 Temp → 16.7°

Weather Conditions @ time of sampling: Sunny; Temperate

Sample Characterisitics: Clear, Slight to no ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

COMMENTS AND OBSERVATIONS: Duplicate taken here.

I certify that sampling procedures were in accordance with all applicable EPA, State and CL protocols.

Date: 4/6/11 By: DH Company: PRISM

FIELD INFORMATION LOG

lity: Republic Waste

Sample Point ID: MW-19

Location: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/6/11 13:30

One (1) Casing Volume, Gal: 7.0

Initial Water Level, Feet: 29.58'

Total Volume Purged, Gal: 21.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 40'

Water Level After Purge, Feet: 29.65'

Casing Diameter, Inches: 4"

Date / Time Completed: 4/6/11 14:25

JRGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO ( )
13:38		0	19.0°	6.4	645	0.8	3.7
13:52		7	19.8°	6.4	555	0.5	3.4
14:06		14	18.9°	6.5	557	0.8	3.3
14:25		21	19.0°	6.4	558	0.4	3.4

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-19

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 2

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/6/11 14:25	VOA _____ Other _____	19.0°	6.4	558	0.4	3.4

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 551 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ 1,412 umhos/cm = 1,409 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.5 Temp. → 16.7°

Weather Conditions @ time of sampling: Sunny, Cool, Windy

Sample Characterisitics: Clear, No ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/6/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-18A

.ocation: CMS 5

Field Representative: DH/DAH

Sample Matrix:

Lab Sample #:

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) / N

Date / Time Initiated: 4/6/11 15:00

One (1) Casing Volume, Gal: 5.6

Initial Water Level, Feet: 17.47'

Total Volume Purged, Gal: 15.1

Ground Water Elevation, MSL:

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 26'

Water Level After Purge, Feet: 25.85'

Casing Diameter, Inches: 4"

Date / Time Completed: 4/6/11 16:08

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
15:08		0	21.8°	5.9	665	0.8	3.4
15:30		6	23.0°	5.5	651	1.0	4.0
15:54		12	22.2°	5.7	709	0.9	3.7

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-18A

Method of Sampling: GrundFos Dedicated: (Y) / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 3

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/7/11 9:50	VOA _____ Other _____	20.2°	5.4	798	1.3	6.5

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.55 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ slope → 97.6 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ Cell → 1.600 1.412 umhos/cm = 1.412 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.5 Temp → 16.9°

Weather Conditions @ time of sampling: Sunny, Temperate

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and C1 protocols.

Date: 4/7/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-25

.ocation: CMS 5

Field Representative: ~~DH~~ ~~DHH~~

Sample Matrix:

Lab Sample #:

PURGE INFORMATION:

Method of Well Purge: GrundFos

Dedicated: (Y) N

Date / Time Initiated: 4/7/11 10:30

One (1) Casing Volume, Gal: 3.4

Initial Water Level, Feet: 6.45'

Total Volume Purged, Gal: 12.0

Ground Water Elevation, MSL:

Was Well Purged To Dryness: No

Well Total Depth, Feet: 27'

Water Level After Purge, Feet: 7.92

Casing Diameter, Inches: 2"

Date / Time Completed: 4/7/11 11:50

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ~~D.O~~ ( )
10:43		0	18.4°	6.0	865	0.8	5.7
11:09		4.5	18.8°	6.4	785	0.7	N/A
11:30		8.0	19.3°	6.3	805	0.3	4.7
11:50		12.0	19.8°	6.2	741	0.7	3.8

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-25

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 4

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/7/11 11:50	VOA _____ Other _____	19.8°	6.2	741	0.7	3.8

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.5 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,412 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.5 Temp. → 16.9°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 4/7/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-20B

ocation: CMS 5

Field Representative: DH/DAH

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/7/11 12:45

One (1) Casing Volume, Gal: 8.8

Initial Water Level, Feet: 6.08'

Total Volume Purged, Gal: 27.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 60'

Water Level After Purge, Feet: 46.90'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/7/11 15:15

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO. ( )
12:57		0	18.7°	6.2	544	1.0	5.7
13:32		9	24.0°	6.5	554	0.6	5.4
14:20		18	22.3°	6.3	569	0.5	4.7
15:15		27	23.3°	6.4	529	0.6	4.1

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-20B

Method of Sampling: Grundfos Dedicated: (Y) / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 5

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/7/11 15:15	VOA _____ Other _____	23.3°	6.4	529	0.6	4.1

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.51 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,412 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.5 Temp. → 16.9°

Weather Conditions @ time of sampling: Sunny w/Clouds, Temperate

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CL protocols.

Date: 4/7/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-20AR

.ocation: CMS 5

Field Representative: DH/DAH

Sample Matrix:

Lab Sample #:

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) / N

Date / Time Initiated: 4/7/11 15:35

One (1) Casing Volume, Gal: 6.9

Initial Water Level, Feet: 9.50'

Total Volume Purged, Gal: 21.0

Ground Water Elevation, MSL:

Was Well Purged To Dryness: No

Well Total Depth, Feet: 20'

Water Level After Purge, Feet: 11.64'

Casing Diameter, Inches: 4"

Date / Time Completed: 4/7/11 16:40

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ~~DO~~ ( )
15:39		0	19.0°	6.5	535	6.3	8.4
16:00		7	19.1°	6.4	594	0.9	5.5
16:18		14	18.9°	6.4	620	1.1	4.5
16:40		21	19.0°	6.3	621	0.9	4.3

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-20AR

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 6

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/7/11 16:40	VOA _____ Other _____	19.0°	6.3	621	0.9	4.3

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 557 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1412 umhos/cm = 1412 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.5 Temp. → 16.9°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and OL protocols.

Date: 4/7/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-15

ocation: CMS 5

Field Representative: DH/DHH

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: GrundFos

Dedicated: (Y) / N

Date / Time Initiated: 4/8/11 16:00

One (1) Casing Volume, Gal: 5.0

Initial Water Level, Feet: 7.30'

Total Volume Purged, Gal: DRY @ about 7.0 gallons @ 10:27

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 15'

Water Level After Purge, Feet: 12.48

Casing Diameter, Inches: 4"

Date / Time Completed: 4/8/11 ~~10:15~~ (dh) 4-8-11
~~10:30~~ (dh) 4-8-11
10:27

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ___ (___)

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-15

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 7

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO ( )
4/8/11 10:45	VOA _____ Other _____	20.2°	6.4	449	2.0	7.4

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ slope → 99.7 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ Cell → 1,220 1,412 umhos/cm = 1,405 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.8 Temp. → 15.4°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 4/8/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-14B

ocation: CMS 5

Field Representative: DH/DAH

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) / N

Date / Time Initiated: 4/8/11 11:11

One (1) Casing Volume, Gal: 6.7

Initial Water Level, Feet: 9.58'

Total Volume Purged, Gal: 21.0'

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 50'

Water Level After Purge, Feet: 31.50

Casing Diameter, Inches: 2"

Date / Time Completed: 4/8/11 12:30

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. (___)
11:19		0	20.3°	7.0	371	0.8	8.2
11:48		7	21.3°	6.9	364	0.5	4.7
12:08		14	21.8°	6.9	366	0.5	4.1
12:30		21	22.6°	6.8	362	0.7	3.2

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-14B

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 8

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/8/11 12:30	VOA _____ Other _____	22.6°	6.8	362	0.7	3.2

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,405 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.8 Temp. → 15.4°

Weather Conditions @ time of sampling: Sunny, Windy, Warm

Sample Characterisitics: CLEAR, No ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CLI protocols.

Date: 4/8/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-14

ocation: CMS 5

Field Representative: DH/DAH

Sample Matrix:

Lab Sample #:

PURGE INFORMATION:

Method of Well Purge: GrundFos

Dedicated: (Y) N

Date / Time Initiated: 4/8/11 12:35

One (1) Casing Volume, Gal: 1.0

Initial Water Level, Feet: 9.05'

Total Volume Purged, Gal: 3.0

Ground Water Elevation, MSL:

Was Well Purged To Dryness: No

Well Total Depth, Feet: 15'

Water Level After Purge, Feet: 10.10

Casing Diameter, Inches:

Date / Time Completed: 4/8/11 12:55

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO ( )
12:41		0	19.3°	6.9	244	1.9	9.6
12:46		2	17.9°	6.8	269	0.8	8.4
12:55		3	19.3°	6.7	286	0.7	8.2

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-14

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 9

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/8/11 12:55	VOA _____ Other _____	19.3°	6.7	286	0.7	8.2

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,405 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.8 Temp. → 15.4°

Weather Conditions @ time of sampling: Sunny, Windy, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Cl protocols.

Date: 4/8/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-11

ocation: CMS 5

Field Representative: ~~TH~~/DHH

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) / N

Date / Time Initiated: 4/8/11 13:16

One (1) Casing Volume, Gal: 1.8

Initial Water Level, Feet: 11.15'

Total Volume Purged, Gal: 6.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 22'

Water Level After Purge, Feet: 15.45'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/8/11 13:50

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
13:24		0	21.1°	6.7	353	0.8	8.3
13:34		2.0	20.5°	6.8	357	1.2	8.5
13:39		4.0	20.2°	6.8	354	1.1	7.1
13:50		6.0	21.0°	6.7	338	3.2	5.4

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-11

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 10

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/8/11 13:50	VOA _____ Other _____	21.0°	6.7	338	3.2	5.4

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 548 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,405 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.8 Temp. → 15.4°

Weather Conditions @ time of sampling: Sunny, WINDY, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and C.I. protocols.

Date: 4/8/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-12

ocation: CMS 5

Field Representative: ~~DH~~/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/8/11 14:08

One (1) Casing Volume, Gal: 2.5

Initial Water Level, Feet: 10.60'

Total Volume Purged, Gal: 7.5

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 26'

Water Level After Purge, Feet: 16.13'

Casing Diameter, Inches: 2"

Date / Time Completed: ~~4/8/11 14:30~~ 14:35 (dh) 4-8-11

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
14:12		0	18.9°	6.2	300	2.0	8.2
14:18		2.5	18.4°	6.4	302	8.2	8.0
14:22		5.0	18.6°	6.4	315	7.1	7.2
~~14:30~~		7.5	20.6°	6.5	312	3.2	6.5
14:35							
(dh) 4-8-11							

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-12

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 11

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/8/11 14:35	VOA _____ Other _____	20.6°	6.5	312	3.2	6.5

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 5.48 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,405 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.8 Temp. → 15.4°

5-9-11 (dh) (9.8)

Weather Conditions @ time of sampling: Cloudy, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CLS protocols.

Date: 4/8/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-22A

Location: CMS 5

Field Representative: DH/DAH

Sample Matrix:

Lab Sample #:

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/8/11 14:54

One (1) Casing Volume, Gal: 3.3

Initial Water Level, Feet: 5.76'

Total Volume Purged, Gal: 9.0

Ground Water Elevation, MSL:

Was Well Purged To Dryness: No

Well Total Depth, Feet: 26'

Water Level After Purge, Feet: 11.10

Casing Diameter, Inches: 2"

Date / Time Completed: 4/8/11 15:30

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
14:59		0	20.6°	6.7	560	1.0	8.1
15:12		3	21.2°	6.4	586	0.5	4.3
15:20		6	20.4°	6.5	602	0.7	4.2
15:30		9	21.2°	6.3	601	0.9	3.5

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-22A

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 12

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/8/11 15:30	VOA _____ Other _____	21.2°	6.3	601	0.9	3.5

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,405 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.8 Temp. → 15.4°

Weather Conditions @ time of sampling: Cloudy, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Cl: protocols.

Date: 4/8/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-22

ocation: CMS 5

Field Representative: ~~DH~~ DAH

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/11/11 9:17

One (1) Casing Volume, Gal: 1.3

Initial Water Level, Feet: 5.20'

Total Volume Purged, Gal: 4.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 13'

Water Level After Purge, Feet: 11.80

Casing Diameter, Inches: 2"

Date / Time Completed: 4/11/11 9:50

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
9:24		0	17.6°	6.3	589	99.8	4.7
9:35		1.5	17.8°	6.5	377	36.5	6.0
9:45		3.0	18.2°	6.6	482	71.7	5.9

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-22

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 13

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/11/11 10:05	VOA _____ Other _____	18.8°	6.7	475	86.0	7.7

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 551 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ slope → 99.8 4.0 std. = 4.0 7.0 std. = 7.0 10.0 std. = 9.9

Conductivity Serial #: _____ Cell → 1,200 1,412 umhos/cm = 1,414 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.3 Temp → 20.6°

Weather Conditions @ time of sampling: Mostly Cloudy, Temperate

Sample Characterisitics: Turbid, no ~~odor~~

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 4/11/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-1A

ocation: CMS 5

Field Representative: ~~DH/DAH~~

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/11/11 10:45

One (1) Casing Volume, Gal: 2.0 (2.0) (dh) 4-11-11

Initial Water Level, Feet: 4.65

Total Volume Purged, Gal: ~~6.0~~ 5.0 4-11-11 (dh)

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 17'

Water Level After Purge, Feet: 16.42

Casing Diameter, Inches: 2"

Date / Time Completed: 4/11/11 11:12

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
10:58		0	17.6°	6.3	498	5.2	3.7
11:05		2.0	17.2°	6.5	501	4.0	3.7
11:10		4.0	17.5°	6.4	514	7.8	3.8 (3.8) (dh) 4-11-11
		~~6.0~~ (dh) 4-11-11					

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-1A

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 14

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ____ (____)
4/11/11 11:30	VOA _____ Other _____	20.50	6.5	475	9.2	6.7 (6.7)

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.57 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.0 10.0 std. = 9.9

Conductivity Serial #: _____ 1,442 umhos/cm = 1,414 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.3 Temp. → 20.6°

Weather Conditions @ time of sampling: Partly Cloudy, Temperate

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/11/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-10A

.ocation: CMS 5

Field Representative: ~~DH~~/DAH

Sample Matrix:

Lab Sample #:

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/11/11 12:15

One (1) Casing Volume, Gal: 3.4

Initial Water Level, Feet: 22.40'

Total Volume Purged, Gal: 12.0'

Ground Water Elevation, MSL:

Was Well Purged To Dryness: No

Well Total Depth, Feet: 43'

Water Level After Purge, Feet: 33.98

Casing Diameter, Inches: 2"

Date / Time Completed: 4/11/11 13:25

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
12:23		0	20.1°	7.2	205	0.8	4.3
12:45		4.0	22.4°	6.9	172	0.7	6.8
13:12		9.0	22.6°	6.9	188	0.5	7.0
13:35		12.0	23.5°	6.8	178	0.4	7.0

(6.8) dh 4-11-11

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-10A

Method of Sampling: Grundfos Dedicated: (Y) / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 15

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/11/11 13:35	VOA _____ Other _____	23.5°	6.8	178	0.4	7.0

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.57 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.0 10.0 std. = 9.9

Conductivity Serial #: _____ 1,412 umhos/cm = 1,444 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.3 Temp. → 20.6°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and C1: protocols.

Date: 4/11/11 By: DH Company: PRISM

FIELD INFORMATION LOG

"ity: Republic Waste

Sample Point ID: MW-10

ocation: CMS 5

Field Representative: ~~DH/DAH~~

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: GrundFos

Dedicated: (Y) / N

Date / Time Initiated: 4/11/11 13:52

One (1) Casing Volume, Gal: 0.5

Initial Water Level, Feet: 21.75'

Total Volume Purged, Gal: 1.5

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 25'

Water Level After Purge, Feet: 21.96

Casing Diameter, Inches: 2"

Date / Time Completed: 4/11/11 14:10

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
13:58		0	21.5°	6.3	126	3.5	7.8
14:10		1.5	23.3°	6.2	127	1.0	8.1

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-10

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 16

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/11/11 14:10	VOA _____ Other _____	23.3°	6.2	127	1.0	8.1

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.57 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.0 10.0 std. = 9.9

Conductivity Serial #: _____ 1,412 umhos/cm = 1,414 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.3 Temp. → 20.6°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cl: protocols.

Date: 4/11/11 By: DH Company: PRISM

FIELD INFORMATION LOG

Facility: Republic Waste

Sample Point ID: MW-2B

Location: CMS 5

Field Representative: ~~DH~~/~~DAH~~

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) / N

Date / Time Initiated: 4/11/11 14:47

One (1) Casing Volume, Gal: 4.5

Initial Water Level, Feet: 8.32'

Total Volume Purged, Gal: 15.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 36'

Water Level After Purge, Feet: 10.27

Casing Diameter, Inches: 2"

Date / Time Completed: 4/11/11 15:45

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
14:53		0	22.0°	7.0	309	0.5	9.4
15:12		5	21.8°	6.7	312	0.4	4.1
15:27		10	22.1°	6.6	309	0.4	3.8
15:45		15	23.4°	6.6	312	0.3	4.9

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-2B

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 17

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/11/11 15:45	VOA _____ Other _____	23.4°	6.6	312	0.3	4.9

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 551 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.0 10.0 std. = 9.9

Conductivity Serial #: _____ 1412 umhos/cm = 1,444 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.3 Temp. → 20.6°

Weather Conditions @ time of sampling: Sunny, Warm, Windy

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/11/11 By: DH Company: PRISM

FIELD INFORMATION LOG

'ity: Republic Waste

Sample Point ID: MW-2A

ocation: CMSS

Field Representative: DH/DAH

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/11/11 15:50

One (1) Casing Volume, Gal: 1.5

Initial Water Level, Feet: 8.03

Total Volume Purged, Gal: 5.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 17'

Water Level After Purge, Feet: 9.22 est

Casing Diameter, Inches: 2"

Date / Time Completed: 4/11/11 16:10

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO (mg/L)
15:52		0	20.8°	6.3	446	2.3	5.0
16:03		2.5	20.9°	6.2	456	0.4	4.2
16:10		5.0	21.7°	6.3	460	0.4	3.7

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-2A

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 18

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/11/11 16:10	VOA _____ Other _____	21.7°	6.3	460	0.4	3.7

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ ~~5.96~~ NTU std. = ~~5.51~~ NTU ___ NTU std. = ___ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.0 10.0 std. = 9.9

Conductivity Serial #: _____ ~~1442~~ umhos/cm = 1414 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.3 Temp. → 20.6°

Weather Conditions @ time of sampling: Sunny, Windy, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI: protocols.

Date: 4/11/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-19AR

ocation: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/12/11 9:50

One (1) Casing Volume, Gal: 4.0

Initial Water Level, Feet: 26.15'

Total Volume Purged, Gal: 5.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 51'

Water Level After Purge, Feet: 45.10

Casing Diameter, Inches: 2"

Date / Time Completed: 4/12/11 10:34

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
10:00		0	18.9°	6.1	2,034	13.0	2.9
10:27		4	19.2°	6.3	1,864	1.6	2.0

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-19AR

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 19

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO. ( )
4/12/11 10:50	VOA _____ Other _____	18.9°	6.3	1,845	42.5	4.0

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 553 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ slope → 97.9 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ Cell → 1,156 1,142 umhos/cm = 1,444 (1,414) ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.6 (dh) 4-12-11 Temp → 20.9°

Weather Conditions @ time of sampling: Cloudy, Warm

Sample Characterisitics: Turbid, NO ~~O~~ DOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cl: protocols.

Date: 4/12/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-19R

ocation: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/12/11 11:04

One (1) Casing Volume, Gal: 1.6

Initial Water Level, Feet: 25.42'

Total Volume Purged, Gal: 8.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 35'

Water Level After Purge, Feet: 25.33

Casing Diameter, Inches: 2"

Date / Time Completed: 4/12/11 12:00

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
11:09		0	18.0°	6.2	1,455	490	2.3
11:18		2.0	18.3°	6.1	1,453	207	2.1
11:28		4.0	18.5°	6.0	1,461	118	2.0
11:43		6.0	19.3°	6.2	1,447	43.2	1.9
~~11:50~~ (DH) 12:00	4-12-11	8.0	21.5°	6.2	1,443	59.8	2.1

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-19R

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 20

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/12/11 1200	VOA _____ Other _____	21.5°	6.2	1,443	59.8	2.1

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 5.55 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1442 umhos/cm = 1414 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.6 Temp. → 20.9°

Weather Conditions @ time of sampling: Partly Cloudy, Temperate, Windy

Sample Characterisitics: Turbid, No Odor

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/12/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-18AR

.ocation: CMS 5

Field Representative: ~~DH~~/~~DAH~~

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) / N

Date / Time Initiated: ~~4/12/11~~ 4-12-11 (4h) 12:55

One (1) Casing Volume, Gal: 2.7

Initial Water Level, Feet: 25.36'

Total Volume Purged, Gal: 3.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 42.2'

Water Level After Purge, Feet: 36.14

Casing Diameter, Inches: 2"

Date / Time Completed: 4/12/11 13:03

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ~~D.O.~~ (___)
12:46		0	20.0°	7.4	314	1.8	N/A
13:02		3	20.6°	7.6	301	5.2	2.7

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-18AR

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 21

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (umhos/cm)	Turb. (NTU)	Other D.O. ( )
4/2/11 13:20	VOA _____ Other _____	20.7°	7.7	297	8.3	5.3

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.55 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1.412 umhos/cm = 1.414 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.6 Temp. → 20.9°

Weather Conditions @ time of sampling: Sunny, Temperate, Windy

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 4/2/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-18R

ocation: CMS 5

Field Representative: DH/DHH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: GrundFos

Dedicated: (Y) N

Date / Time Initiated: 4/12/11 13:30

One (1) Casing Volume, Gal: 0.3

Initial Water Level, Feet: (dh) 4/12/11 21.91'

Total Volume Purged, Gal: 0.5

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 24'

Water Level After Purge, Feet: 22.27'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/12/11 13:40

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
13:35		0	19.9°	5.5	360	31.1	2.2

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-18R

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 22

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/12/11 14:00	VOA _____ Other _____	19.8° (19.8°)	5.4	494	269	2.3

INSTRUMENT CHECK DATA: (H) 4-12-11

Turbidity Serial #: _____ 596 NTU std. = 5.53 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 442 umhos/cm = 1,444 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.6 Temp. → 20.9°

Weather Conditions @ time of sampling: Cloudy, Cool

Sample Characterisitics: Turbid, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/12/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-16

ocation: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/12/11 14:30

One (1) Casing Volume, Gal: 2.4

Initial Water Level, Feet: 12.56'

Total Volume Purged, Gal: 7.5

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 27'

Water Level After Purge, Feet: 19.55'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/12/11 15:10

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
14:35		0	18.7°	6.4	376	10.5	1.8
14:45		2.5	18.7°	6.6	392	70.2	2.4
14:57		5.0	18.6°	6.6	381	10.5	2.5
15:10		7.5	18.6°	6.6	383	27.5	2.9

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-16

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 23

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/12/11 15:10	VOA _____ Other _____	18.6°	6.6	383	275	2.9

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.53 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1442 umhos/cm = 1444 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.6 Temp. → 20.9°

Weather Conditions @ time of sampling: Cloudy, WINDY, Cool

Sample Characterisitics: Turbid, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 4/12/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-26

ocation: CMS 5

Field Representative: DH/DHH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/12/11 15:30

One (1) Casing Volume, Gal: 1.2

Initial Water Level, Feet: 12.52'

Total Volume Purged, Gal: 3.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 20'

Water Level After Purge, Feet: 13.12 est.

Casing Diameter, Inches: 2"

Date / Time Completed: 4/12/11 15:50

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
15:38		0	17.8°	6.1	294	1.3	2.9
15:42		1	16.9°	6.2	303	~~5.2~~ (dh) 4-12-11	3.0
15:50		3	17.1°	6.3	313	1.5	3.0

5.3

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-26

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 24

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/12/11 15:50	VOA _____ Other _____	17.1°	6.3	313	1.5	3.0

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.53 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1412 umhos/cm = 1414 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 8.6 Temp. → 20.9°

Weather Conditions @ time of sampling: Cloudy, WINDY, COOL

Sample Characterisitics: CLEAR, NO ~~ODOR~~

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 4/12/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-24

ocation: CMS 5

Field Representative: DH/DAH

ample Matrix:

Lab Sample #:

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/13/11 9:19

One (1) Casing Volume, Gal: 8.4

Initial Water Level, Feet: 17.10' (17.10')

Total Volume Purged, Gal: 13.0

Ground Water Elevation, MSL:

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 30'

Water Level After Purge, Feet: DRY WELL

Casing Diameter, Inches: 4"

Date / Time Completed: 4/13/11 10:05

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
9:32		0	16.4°	9.5	361	20.1	6.5
9:54		9	17.3°	10.2	357	1.3	7.1

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-24

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 25

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/13/11 10:20	VOA _____ Other _____	17.5°	9.0	399	3.8 ~~3.4~~ dh 4-15-11	4.6

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.54 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ slope → 97.1 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ Cell → 1.156 1.42 umhos/cm = 1.409 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.0 Temp → 15.7°

Weather Conditions @ time of sampling: Sunny, Breezy, Cool

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/13/11 By: DH Company: PRISM

FIELD INFORMATION LOG

Facility: Republic Waste

Sample Point ID: Field Blank

Location: CMS 5

Field Representative: DH / DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: _____ Dedicated: Y / N

Date / Time Initiated: _____ One (1) Casing Volume, Gal: _____

Initial Water Level, Feet: _____ Total Volume Purged, Gal: _____

Ground Water Elevation, MSL: _____ Was Well Purged To Dryness: _____

Well Total Depth, Feet: _____ Water Level After Purge, Feet: _____

Casing Diameter, Inches: _____ Date / Time Completed: _____

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ___ (___)

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: Field Blank

Method of Sampling: Pour water into containers Dedicated: Y / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: _____

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/13/11 1105	VOA _____ Other _____	17.4°	8.2	11.52	0.4	7.0

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.54 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ 1442 umhos/cm = 1409 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.0 Temp. → 15.7°

Weather Conditions @ time of sampling: Sunny, Breezy, Cool

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli
protocols.

Date: 4/13/11 By: DH Company: PRISM

FIELD INFORMATION LOG

Facility: Republic Waste

Sample Point ID: Equipment Blank

Location: CMS 5

Field Representative: SH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: _____ Dedicated: Y / N

Date / Time Initiated: _____ One (1) Casing Volume, Gal: _____

Initial Water Level, Feet: _____ Total Volume Purged, Gal: _____

Ground Water Elevation, MSL: _____ Was Well Purged To Dryness: _____

Well Total Depth, Feet: _____ Water Level After Purge, Feet: _____

Casing Diameter, Inches: _____ Date / Time Completed: _____

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ___ (___)

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: Equipment Blank

Method of Sampling: Pour water into containers Dedicated: Y / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: _____

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/13/11 11:30	VOA _____ Other _____	19.6°	7.8	8.77	0.4	7.0

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.54 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ 6412 umhos/cm = 6409 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.0 Temp. → 15.7°

Weather Conditions @ time of sampling: Sunny, Breezy, Cool

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/13/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-17A

ocation: CMS 5

Field Representative: ~~DH~~/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/13/11 10:40

One (1) Casing Volume, Gal: 18.6

Initial Water Level, Feet: 11.45'

Total Volume Purged, Gal: 57.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 40'

Water Level After Purge, Feet: 13.72'

Casing Diameter, Inches: 4"

Date / Time Completed: 4/13/11 12:30

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
10:43		0	17.7°	6.0	361	0.6	2.5
11:21		19.0	18.2°	6.3	343	0.5	3.9
11:55		38.0	18.2°	6.2	332	0.6	2.4
12:30		57.0	19.0°	6.3	325	0.4	2.8

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-17A

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 26

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/13/11 12:30	VOA _____ Other _____	19.0°	6.3	325	0.4	2.8

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 554 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 40 7.0 std. = 71 10.0 std. = 101

Conductivity Serial #: _____ 442 umhos/cm = 1,409 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.0 Temp. → 15.7°

Weather Conditions @ time of sampling: Sunny, Breezy, Cool/Temperate

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/13/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-17

ocation: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/13/11 12:43

One (1) Casing Volume, Gal: 8.5

Initial Water Level, Feet: 11.95'

Total Volume Purged, Gal: 28.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 25'

Water Level After Purge, Feet: 13.03'

Casing Diameter, Inches: 4"

Date / Time Completed: 4/13/11 13:35

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ~~D.O.~~ ( )
12:48		0	19.0°	5.8	264	0.9	2.7
13:02		9.0	18.6°	5.9	266	0.4	1.7
13:19		18.0	19.2°	6.1	257	0.4	5.3
13:35		28.0	20.5°	6.0	273	0.8	2.7

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-17

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 27

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/13/11 13:35	VOA _____ Other _____	20.5°	6.0	273	0.8	2.7

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.54 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ 1412 umhos/cm = 1,409 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.0 Temp. → 15.7°

Weather Conditions @ time of sampling: Sunny; Warm (Warm) 4-15-11

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and C1 protocols.

Date: 4/13/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-21

ocation: CMS 5

Field Representative: DH/DAH

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/13/11 14:11

One (1) Casing Volume, Gal: 1.0

Initial Water Level, Feet: 13.91'

Total Volume Purged, Gal: 2.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 20'

Water Level After Purge, Feet: 19.12'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/13/11 14:29

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ___ ( )

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-21

Method of Sampling: Grundfos Dedicated: (Y) / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 28

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO (____)
4/13/11 14:45	VOA _____ Other _____	21.9°	7.1	416	32.9	8.0 (?) 4-13-11

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.54 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ 442 umhos/cm = 449 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.0 Temp. → 15.7°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: Turbid, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CL protocols.

Date: 4/13/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-30R

ocation: CMS 5

Field Representative: ~~DH~~/DHH

ample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/13/11 15:17

One (1) Casing Volume, Gal: 0.7

Initial Water Level, Feet: 28.65'

Total Volume Purged, Gal: 2.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 33'

Water Level After Purge, Feet: 28.67

Casing Diameter, Inches: 2"

Date / Time Completed: 4/13/11 15:30

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
15:25		0	22.0	6.4	164	10.7	6.7
15:30		2.0	22.8	6.4	162	7.8	5.8

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-3DR

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 29

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/13/11 15:30	VOA _____ Other _____	22.8°	6.4	162	7.8	5.8

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 554 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ 1,412 umhos/cm = 1,409 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.0 Temp. → 15.7°

Weather Conditions @ time of sampling: Sunny, Temperate

Sample Characterisitics: Clear, No odor

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cl: protocols.

Date: 4/13/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-31

ocation: CMS-5

Field Representative: DH/DAH

Sample Matrix:

Lab Sample #:

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/13/11 16:05

One (1) Casing Volume, Gal: 1.2

Initial Water Level, Feet: 22.60'

Total Volume Purged, Gal: 5.0

Ground Water Elevation, MSL:

Was Well Purged To Dryness: No

Well Total Depth, Feet: 30'

Water Level After Purge, Feet: 22.85'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/13/11 16:35

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
16:13		0	21.5°	6.3	140	9.5	7.4
16:18		1.0	19.5°	6.5	138	34.3	7.3
16:23		3.0	19.5°	6.5	139	21.2	7.2
16:35		5.0	19.7°	6.5	142	17.2	7.5

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-31

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 30

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/13/11 16:35	VOA _____ Other _____	19.7°	6.5	142	17.2	7.5

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 554 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.1

Conductivity Serial #: _____ 142 umhos/cm = 1409 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 10.0 Temp. → 15.7°

Weather Conditions @ time of sampling: Sunny, Temperate

Sample Characterisitics: Appeared to be Clear, No Odor

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 4/13/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-29R

Location: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/18/11 10:22

One (1) Casing Volume, Gal: 2.4

Initial Water Level, Feet: 5.34'

Total Volume Purged, Gal: 7.5

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 20'

Water Level After Purge, Feet: 9.53'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/18/11 11:00

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
10:27		0	17.8°	6.4	231	1.7	4.2
10:34		2.5	16.8°	6.7	230	11.1	5.3
10:48		5.0	17.9°	6.6	228	6.3	4.7
11:00		7.5	18.6°	6.9	229	5.3	6.2

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-29R

Method of Sampling: GrundFos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 31

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/18/11 11:00	VOA _____ Other _____	18.6°	6.9	229	513	6.2

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ ~~596~~ NTU std. = ~~548~~ NTU ___ NTU std. = ___ NTU

pH Serial #: _____ slope → 96.0 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ Cell → 1.156 ~~1412~~ umhos/cm = 1415 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.0 Temp. → 17.8°

Weather Conditions @ time of sampling: Sunny, Breezy, Cool

Sample Characterisitics: Clear, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 4/18/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ity: Republic Waste

Sample Point ID: MW-28

ocation: CMS 5

Field Representative: DH/~~DAH~~

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) / N

Date / Time Initiated: 4/18/11 11:20

One (1) Casing Volume, Gal: 1.9

Initial Water Level, Feet: 11.25'

Total Volume Purged, Gal: 6.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 23'

Water Level After Purge, Feet: 12.46'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/18/11 11:50

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
11:25		0	18.9°	6.6	208	1.7	8.3
11:31		2	19.2°	6.8	211	7.8	8.5
11:36		4	18.4°	6.8	209	3.0	7.8
11:50		6	19.9°	6.8	212	1.5	7.8

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-28

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 32

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/18/11 11:50	VOA _____ Other _____	19.9°	6.8	212	1.5	7.8

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1412 umhos/cm = 1415 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.0 Temp. → 17.8°

Weather Conditions @ time of sampling: Sunny, Temperate

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Local protocols.

Date: 4/18/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ty: Republic Waste

Sample Point ID: MW-27

ocation: CMS 5

Field Representative: ~~DH/DMH~~

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) / N

Date / Time Initiated: ~~4/7/11 10:50~~ dh 4-7-11 dh

One (1) Casing Volume, Gal: 1.0

Initial Water Level, Feet: 6.44'

Total Volume Purged, Gal: 3.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 12.5'

Water Level After Purge, Feet: 7.50'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/18/11 12:50

RGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
12:34		0	19.5°	6.5	225	31.8	8.5
12:40		1.5	18.5°	6.6	248	4.3	8.9
12:50		3.0	20.8°	6.6	242	0.2	7.6

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-27

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 33

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/18/11 12:50	VOA _____ Other _____	20.8°	6.6	242	0.2	7.6

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1442 umhos/cm = 1,445 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.0 Temp. → 17.8°

Weather Conditions @ time of sampling: Sunny, Warm, Windy

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cl protocols.

Date: 4/18/11 By: DH Company: PRISM

FIELD INFORMATION LOG

Facility: Republic Waste

Sample Point ID: Surface Water #2

Location: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: _____ Dedicated: Y / N

Date / Time Initiated: _____ One (1) Casing Volume, Gal: _____

Initial Water Level, Feet: _____ Total Volume Purged, Gal: _____

Ground Water Elevation, MSL: _____ Was Well Purged To Dryness: _____

Well Total Depth, Feet: _____ Water Level After Purge, Feet: _____

Casing Diameter, Inches: _____ Date / Time Completed: _____

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ___ (___)

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: Surface Water #2

Method of Sampling: Dip rod into creek & pour into containers Dedicated: Y / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: _____

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ___ (___)
4/18/11 13:45	VOA _____ Other _____	19.7°	7.3	160	49.1	8.6

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1442 umhos/cm = 1445 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.0 Temp. → 17.8°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: Turbid, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/18/11 By: DH Company: PRISM

FIELD INFORMATION LOG

Facility: Republic Waste

Sample Point ID: Surface Water #1

Location: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: _____ Dedicated: Y / N

Date / Time Initiated: _____ One (1) Casing Volume, Gal: _____

Initial Water Level, Feet: _____ Total Volume Purged, Gal: _____

Ground Water Elevation, MSL: _____ Was Well Purged To Dryness: _____

Well Total Depth, Feet: _____ Water Level After Purge, Feet: _____

Casing Diameter, Inches: _____ Date / Time Completed: _____

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ___ (___)

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: Surface Water #1

Method of Sampling: Dip rod into creek & pour into containers. Dedicated: Y / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: _____

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/18/11 14:10	VOA _____ Other _____	20.0°	7.2	156	46.0	8.6

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ___ NTU std. = ___ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,415 ___ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.0 Temp → 17.8°

Weather Conditions @ time of sampling: Sunny, Windy, Warm

Sample Characterisitics: Turbid, No Odor

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/18/11 By: DH Company: PRISM

FIELD INFORMATION LOG

ility: Republic Waste

Sample Point ID: MW-32

Location: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/18/11 14:36

One (1) Casing Volume, Gal: 1.1

Initial Water Level, Feet: 21.83'

Total Volume Purged, Gal: 2.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 28.5'

Water Level After Purge, Feet: 24.89'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/18/11 14:54

JRGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
14:41		0	21.1°	6.4	169	24.7	6.7
14:51		1.5	20.9°	6.6	178	6.3	6.6

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-32

Method of Sampling: Grundfos Dedicated: (Y) / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 34

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. (____)
4/18/11 15:10	VOA _____ Other _____	21.4°	6.6	173	2.7	7.2

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1442 umhos/cm = 1445 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.0 Temp. → 17.8°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cli protocols.

Date: 4/18/11 By: DH Company: FRSM

FIELD INFORMATION LOG

Facility: Republic Waste

Sample Point ID: MW-33

Location: CMS 5

Field Representative: DH/~~DHH~~

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/18/11

One (1) Casing Volume, Gal: 0.5

Initial Water Level, Feet: 27.72'

Total Volume Purged, Gal: 0.5

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 30.5'

Water Level After Purge, Feet: 29.94'

Casing Diameter, Inches: 2"

Date / Time Completed: 4/18/11 15:40

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
15:40		0.5	21.7°	5.9	108	8.1	5.0

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-33

Method of Sampling: GrundFos Dedicated: (Y) / N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 35

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/18/11 15:40	VOA _____ Other _____	21.7°	5.9	108	8.1	5.0

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 5.96 NTU std. = 5.48 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,442 umhos/cm = 1,445 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.0 Temp. → 17.8°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: Clear, No odor

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cl protocols.

Date: 4/18/11 By: DH Company: PRISM

FIELD INFORMATION LOG

Site: Republic Waste

Sample Point ID: MW-34

Location: CMSS

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: Grundfos

Dedicated: (Y) N

Date / Time Initiated: 4/18/11 16:00

One (1) Casing Volume, Gal: 0.2

Initial Water Level, Feet: 28.64'

Total Volume Purged, Gal: 0.2

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: Yes

Well Total Depth, Feet: 50'

Water Level After Purge, Feet: DRY WELL

Casing Diameter, Inches: 2"

Date / Time Completed: 4/18/11 16:05

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
16:05		0.2	19.8°	6.0	162	22.4	6.0

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-34

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: 36

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
4/18/11 16:05	VOA _____ Other _____	19.8°	6.0	162	22.4	6.0

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 548 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.1 10.0 std. = 10.0

Conductivity Serial #: _____ 1,442 umhos/cm = 1,445 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 9.0 Temp. → 17.8°

Weather Conditions @ time of sampling: Sunny, Warm

Sample Characterisitics: Turbid, No ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and Cl: protocols.

Date: 4/18/11 By: DH Company: PRISM

FIELD INFORMATION LOG

Facility: CMS 5

Sample Point ID: MW-1B

Location: Republic Waste

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: GrundFos

Dedicated: (Y) N

Date / Time Initiated: 5/23/11 11:30

One (1) Casing Volume, Gal: 3.6

Initial Water Level, Feet: 9.82'

Total Volume Purged, Gal: 12.0

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 32.0'

Water Level After Purge, Feet: —

Casing Diameter, Inches: 2"

Date / Time Completed: 5/23/11 12:45

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other DO ( )
11:53		0	23.2°	5.8	482	>1,000	3.4
12:09		4.0	23.5°	5.9	429	18.9	3.4
12:28		8.0	23.6°	6.4	425	9.1	3.8
12:45		12.0	23.3°	6.2	424	2.9	1.9

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-1B

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: _____

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
5/23/11 12:45	VOA _____ Other _____	23.3°	6.2	424	2.9	1.9

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 570 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ Slope → 95.1 4.0 std. = 4.0 7.0 std. = 7.0 10.0 std. = 10.0

Conductivity Serial #: _____ Cell → 1.220 442 umhos/cm = 1396 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 7.8 Temp. → 23.4°

Weather Conditions @ time of sampling: Sunny, Hot

Sample Characterisitics: CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 5/23/11 By: DH Company: PRISM

FIELD INFORMATION LOG

Facility: Republic Waste

Sample Point ID: MW-34

Location: CMS 5

Field Representative: DH/DAH

Sample Matrix: _____

Lab Sample #: _____

PURGE INFORMATION:

Method of Well Purge: GrundFos

Dedicated: (Y) N

Date / Time Initiated: 5/23/11 13:30

One (1) Casing Volume, Gal: 0.1

Initial Water Level, Feet: 29.24'

Total Volume Purged, Gal: 0.1

Ground Water Elevation, MSL: _____

Was Well Purged To Dryness: No

Well Total Depth, Feet: 30'

Water Level After Purge, Feet: —

Casing Diameter, Inches: 2'

Date / Time Completed: 5/23/11 13:35

PURGE DATA:

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (°C)	pH (std units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other ( )

FIELD INFORMATION LOG (continued)

SAMPLING INFORMATION: Sample Point ID: MW-34

Method of Sampling: Grundfos Dedicated: (Y) N

Water Level @ Sampling, Feet: _____ Well Collection Sequence Number: _____

Parameters: Annual ( ) Semi-Annual (X) Quarterly ( ) Monthly ( ) Other ( ) _____

SAMPLING DATA:

Date/Time	Sample Rate	Temp. (°C)	pH (Std. Units)	Conduct. (µmhos/cm)	Turb. (NTU)	Other D.O. ( )
5/23/11 13:35	VOA _____ Other _____	27.2°	5.5	170	28.5	3.9

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ 596 NTU std. = 570 NTU ____ NTU std. = ____ NTU

pH Serial #: _____ 4.0 std. = 4.0 7.0 std. = 7.0 10.0 std. = 10.0

Conductivity Serial #: _____ 1,412 umhos/cm = 1,396 ____ umhos/cm = _____

GENERAL INFORMATION: D.O. → 7.8 Temp. → 23.4°

Weather Conditions @ time of sampling: Sunny, Hot

Sample Characterisitics: Mostly CLEAR, NO ODOR

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

_____

_____

COMMENTS AND OBSERVATIONS: _____

_____

I certify that sampling procedures were in accordance with all applicable EPA, State and CI protocols.

Date: 5/23/11 By: DH Company: PRISM

CMS - V GW Levels			
	feet below casing edge (prior to purge)	**Total Well Depth**	**Date Measured**
MW-1A	**4.65**	17.00	3/31/2011
MW-1B		32.00	3/31/2011
MW-2A	**8.03**	17.00	3/31/2011
MW-2B	**8.32**	36.00	3/31/2011
MW-10	**21.75**	25.00	3/31/2011
MW-10A	**22.4**	43.00	3/31/2011
MW-11	**11.15**	22.00	3/31/2011
MW-12	**10.6**	26.00	3/31/2011
MW-14	**9.05**	15.00	3/31/2011
MW-14B	**9.58**	50.00	3/31/2011
MW-15	**7.3**	15.00	3/31/2011
MW-16	**12.56**	27.00	3/31/2011
MW-17	**11.95**	25.00	3/31/2011
MW-17A	**11.45**	40.00	3/31/2011
MW-18A	**17.47**	26.00	3/31/2011
MW-19	**29.58**	40.00	3/31/2011
MW-19A	**30.02**	71.00	3/31/2011
MW-20AR	**9.5**	20.00	3/31/2011
MW-20B	**6.08**	60.00	3/31/2011
MW-21	**13.91**	20.00	3/31/2011
MW-22	**5.2**	13.00	3/31/2011
MW-22A	**5.76**	26.00	3/31/2011
MW-24	**17.1**	30.00	3/31/2011
MW-25	**6.45**	27.00	3/31/2011
MW-26	**12.52**	20.00	3/31/2011
MW-27	**6.44**	12.50	3/31/2011
MW-28	**11.25**	23.00	3/31/2011
MW-29R	**5.34**	20.00	3/31/2011
MW-30R	**28.65**	33.00	3/31/2011
MW-31	**22.6**	30.00	3/31/2011
MW 32R	**21.83**	28.50	3/31/2011
MW 33	**27.72**	30.50	3/31/2011
MW-34	**28.64**	30.00	3/31/2011
MW 18R	**21.91**	24	3/31/2011
MW 18AR	**25.36**	42.2	3/31/2011
MW 19R	**25.42**	35	3/31/2011
MW 19AR	**26.15**	51	3/31/2011