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2007 ANNUAL GROUNDWATER MONITORING REPORT AND GAS MONITORING REPORT

TRI-COUNTY LANDFILL

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1 INTRODUCTION

This report presents the results of the Annual Groundwater Monitoring and periodic Landfill Gas Monitoring for 2007 at the Tri-County Landfill Superfund Site in Elgin, Illinois. The annual groundwater monitoring was conducted under the guidance of the Army Corps of Engineers and in accordance with the approved Long-Term Groundwater Monitoring Plan (LTGMP). The 2007 monitoring event represents the sixth sampling event conducted at the Tri-County Landfill after remedial activities were completed in September 2000. The first sampling event was conducted in June 2002.

Elgin Landfill is adjacent to the Tri-County Landfill with both landfills encompassing the Superfund Site. The discussion of the groundwater quality of the Elgin Landfill will be performed by Herst & Associates. Herst & Associates, Inc. of St. Charles, Missouri collected the groundwater samples at the Elgin Landfill.

The objective of the groundwater monitoring program is to: 1) provide early warning of a significant increase in groundwater contamination caused by a release of hazardous substances, pollutants, or contaminants from the Tri-County Landfill after the Remedial Action (RA) and subsequent operation/maintenance period; 2) provide information on the effects that the RA has had on the groundwater quality; 3) demonstrate the effectiveness of natural attenuation in conjunction with the landfill capping as an effective means of remediating groundwater contamination; and 4) verify that contaminated groundwater does not pose a threat to human health and the environmental downgradient of the site.

The Record of Decision (ROD) originally required a groundwater collection system to be installed to meet groundwater compliance standards at the point of compliance described in the ROD. However, based on projections made from sampling results during the predesign investigation (PDI), 60 to 80 percent of the contaminant mass in groundwater is expected to naturally attenuate within five years of RA construction completion due to implementation of the cap and landfill gas extraction systems. These projections were documented in an Explanation of Significant Differences (ESD) to the ROD, and formed the basis for deferring the groundwater collection component to the remedy to allow for a period of observation. A copy of this ESD is included in Appendix A.

2 GEOLOGY AND HYDROGEOLOGY

The following summaries of the geology and hydrogeology information were provided in the February 1996 Predesign Report.

2.1 Geology

Unconsolidated deposits at the site range in thickness from 70 and 90 feet. The deposits consist of two distinct geologic units deposited during the Wisconsinan glacial advance. The upper Henry unit is a sand and gravel outwash deposit. The lower Wedron unit is comprised of three distinctive clayey till members. These tills are referred to as the Yorkville, Malden and Tiskilwa. Along the western portion of the Tri-County Landfill the Robein Silt Formation/Glasford Formation are present and directly overlie bedrock.

The upper geologic unit at the site consists of the Batavia Member of the Henry. The thickness of the Henry varies across the site from less than 10 feet to 50 feet and is controlled, in part, by the topography of the underlying Yorkville till. To the south of the site, where the ground surface elevations are lower, the Henry is thinner (less than 10 feet) and to the north of the site, where it appears that the Yorkville is nonexistent, the Henry is approximately 50 feet thick. Within the limits of the Tri-County Landfill, all or most of the Henry has been removed.

The lower geologic unit, the Wedron Formation, consists of three distinctive clayey till members; the upper Yorkville, middle Malden, and lower Tiskilwa. The Yorkville is the upper glacial till at the site. This unit is a gray to brown clayey, silty till with little sand. A predominant characteristic of the Yorkville is abundant dolomite limestone gravel. In addition, the Yorkville is shown to be a uniform silty clay soil with few sand seams present. The Yorkville ranges in thickness from approximately 65 feet in the southern portion of the site to zero in the north, where it is shown to pinch-out north of the site. The Malden is the middle glacial till unit at the site. This unit is typically described as gray to brown silty and sandy material that in some areas grades upward to clayey till with discontinuous, but common, beds and lenses of gravel and sand. The thickness of the Malden in the vicinity of the Tri-County Landfill ranges from nonexistent to approximately 40 feet with an average thickness of approximately 5 to 10 feet. The Tiskilwa is the lower glacial till at the site and is a homogenous calcareous material. The Tiskilwa is generally a massive clayey till and discontinuous pockets of gravel, sand or silt exist within the upper portions of the till. The thickness of the Tiskilwa in the vicinity

of the Tri-County Landfill ranges between nonexistent to approximately 35 feet with an average thickness of approximately 20 feet.

Unconsolidated deposits are directly underlain by Silurian sedimentary bedrock, consisting primarily of dolomite. The existing wells at the site generally do not penetrate further than 10 to 15 feet into bedrock. Bedrock topography at the site generally slopes toward the Fox River Valley.

2.2 Hydrogeology

The hydrogeology of the Tri-County Landfill is divided into three vertically separated hydrostratigraphic zones; the shallow and intermediate groundwater zones and the bedrock aquifer (deep groundwater zone). The zones are generally separated from each other by low hydraulic conductivity soils. Figure 1 shows the monitoring well network at the Tri-County Landfill in Elgin, Illinois.

The shallow groundwater zone is monitored by eleven groundwater wells designated as MW1S, MW2SR, MW5SR, MW06S, MW10S, MW12SR, MW25S, MW38S, MW39S, MW41S, G135; and two piezometers designated as PZ29 and PZ32.

The intermediate groundwater zone is monitored by ten groundwater wells designated as MW1I1, MW1I2, MW2IR, MW5IR, MW06I, MW10I, MW12IR, MW13IR, MW39I and G142.

The deep groundwater zone (bedrock aquifer) is monitored by three groundwater wells designated as MW1DR, MW40DR and G112.

3 GROUNDWATER MONITORING ACTIVITIES AND RESULTS

Groundwater sampling and analyses have been conducted on an annual basis following completion of the remedial activities. The annual sampling event is routinely completed during the second quarter of each calendar year. Environmental Monitoring and Technologies (EMT) of Morton Grove, Illinois collected the groundwater samples at the Tri-County Landfill. The 2007 sampling event occurred from June 18, 2007 through June 20, 2007. Groundwater samples were sent to Severn Trent Laboratories, Inc. of Buffalo, New York (STL) for analysis.

A summary of the Tri-County Landfill groundwater monitoring wells, including the hydrostratigraphic unit and the required analysis for each well, is provided in Table 1. Analyses are categorized as indicator parameters, metals and cyanide, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) as shown on Tables 2 through 5, respectively.

3.1 Groundwater Level Measurements

A complete round of water level measurements was taken on June 18, 2007. The depth to groundwater and the respective groundwater elevations for the June 18, 2007 measurements are provided in Table 6.

3.2 Groundwater Sampling

The Tri-County Landfill groundwater monitoring network was sampled by EMT using low flow sampling techniques, in accordance with the LTGWMP approved by the Army Corps of Engineers.

Field sampling activities were documented on the Field Information Forms, which are included in Appendix B. Pumping rates and purge volumes were monitored during the sampling process. The depth to water, pH, specific conductance, temperature, turbidity, dissolved oxygen and oxidation-reduction (redox) potential measurements were taken at each groundwater monitoring well and documented on the field information forms. Measurements were recorded at approximately five minute intervals during purging. As discussed in section 7.2.2 of the LTGWMP, purging was considered complete when the field measurements stabilized for three successive readings within the following limits: 0.1 units for pH, 3% for specific conductance, 10 mv for redox potential, and 10% for

turbidity and dissolved oxygen and when the turbidity fell below 10 Nephelometric Turbidity Units (NTUs).

During previous monitoring events, EMT field sampling personnel identified five monitoring wells (MW10I, MW1I2, MW5IR, MW06I, and MW12IR) as being problematic in obtaining a turbidity reading of less than 10 NTUs. A variance from the LTGWMP's requirement of parameter stabilization and turbidity reading of less than 10 NTUs was requested for these five groundwater monitoring wells. During the 2007 monitoring event a turbidity reading of less than 10 NTUs was obtained for four of the five wells. In addition, EMT noted on the field information form that they were unable to obtain a turbidity reading of less than 10 NTUs for monitoring wells MW10I and MW10S during the June 2007 sampling event.

Groundwater samples were placed in coolers on ice for shipment to STL. Chain-of-Custody Forms were completed for each sample cooler. Copies of the Chain-of-Custody Forms are included in Appendix C.

3.3 Analytical Results

Summary tables are provided for the analytical results in the following attachments:

- Appendix D – Shallow Well Network Analytical Data
- Appendix E – Intermediate Well Network Analytical Data
- Appendix F – Deep Well Network Analytical Data
- Appendix G – Private Monitoring Wells Analytical Data
- Appendix H – Field Blank and Trip Blank Analytical Data

Summary tables provided in the appendices listed above show the concentrations of the analytical results of the required parameters and measurements of the field parameters for the 2007 monitoring event. The tables also provide a comparison to the Federal Safe Drinking Water Act Maximum Contaminant Levels (MCLs) and the Illinois Class I Groundwater Quality Standards (ILGWQS; 35 Illinois Administrative Code 620.410). Those parameters whose measured concentrations were greater than the MCLs and/or Class I ILGWQSs are shown in bold and summarized in a separate table included in each of the above listed appendices. In addition, time trend graphs are also presented within the above appendices of the indicator parameters and the detected parameters from the 2007 sampling event. During the 2007 sampling event, monitoring well G38S in the shallow well network and monitoring well MW06I in the intermediate well network were the only wells to exhibit a detection of volatile organic constituents. VOCs or SVOCs

were not detected in the deep monitoring well network. This is a decrease in detected VOCs and SVOCs from previous sampling events.

An electronic data deliverable of the analytical results in the summary tables can be found on a CD provided in Appendix I.

A hard copy laboratory analytical and quality control reports along with the associated quality control data for the 2007 groundwater monitoring event for the Tri-County Landfill can be found on the CD provided in Appendix J.

3.4 Data Validation

Laboratory analytical results associated with the 2007 groundwater monitoring event were validated in accordance with Section 3 of the Tri-County Landfill Remedial Action Quality Assurance Project Plan, March 2003 Revision. Laboratory quality control data were evaluated to assess if the holding times were met, correct analytical methods were employed, contaminants were identified in the equipment, field, trip, and/or laboratory method blanks, and surrogate, laboratory spike, matrix spike, matrix spike duplicate, and relative percent difference recoveries were within acceptance limits. Results of the data validation for the Tri-County Landfill are provided in Appendix K.

4 LANDFILL GAS MONITORING ACTIVITIES AND RESULTS

A landfill gas collection and control system (GCCS) was installed as part of the remedial efforts at the Tri-County and Elgin Landfills. The GCCS consists of 44 gas extraction wells (GW1 through GW44) connected to a header system, 25 of these gas extraction wells are associated with the Elgin Landfill. Gas extraction wells are monitored for methane, carbon dioxide, and oxygen. This information along with the temperature, orifice plate differential pressure, wellhead static pressure, header static pressure, and estimated gas flow are recorded. The 2007 gas extraction well monitoring was performed monthly for those wells associated with the Tri-County Landfill and quarterly for those wells associated with the Elgin Landfill. The collected landfill gas is controlled by a open utility flare. The runtime, flow, oxygen, nitrogen, methane content, vacuum, gas temperature, and flare temperature are recorded periodically throughout each month.

In addition, eight landfill gas probes (GP1 through GP8) and several groundwater wells are monitored for methane, carbon dioxide, and oxygen. This information along with the percent lower explosive limit (%LEL), gas balance, and static pressure are recorded. The 2007 gas probe monitoring was performed monthly for those wells associated with the Tri-County Landfill and quarterly for those wells associated with the Elgin Landfill.

Summaries of the monitoring data for the landfill gas probes and gas wells are provided as Appendix L. The open utility flare log is provided in Appendix M. Samples of the landfill gas being burned at the flare are collected on an annual basis. The 2007 sampling results are provided in Appendix N.

Methane continues to be periodically detected in GP-2. These detects are not believed to be caused by gas migration from the Tri-County site, as the gas quality is much higher than the landfill gas currently collected. However for safety concerns the probe has been connected to the Tri-County landfill gas collection and control system.

5 GROUNDWATER DATA EVALUATION

The intent of this report is to evaluate groundwater analytical data, the trends related to groundwater contamination from the Tri-County Landfill, and the affects that natural attenuation in conjunction with the landfill capping has had on groundwater quality. Further, this report will provide data to demonstrate that contaminated groundwater does not pose a threat to human health and the environment downgradient of the site. To facilitate the evaluation of the groundwater analytical data, stiff and piper diagrams, spider concentration maps and concentration time trends were prepared.

5.1 Stiff and Piper Plots

Concentrations of major ionic species in groundwater samples can be graphically presented on Stiff plots and Piper diagrams to aid in characterizing groundwater chemistry (Fetter, 1994). Stiff plots (Stiff, 1951) are polygonal shapes representing relative concentrations of major ions. Individual Stiff plots were developed for each sample expressed in milligrams per liter (ug/L) instead of milliequivalents per liter (meq/L). Cations, positively charged ions, are plotted on the left side of the zero axis and anions, negatively charged ions, on the other. Cations in the Stiff plots include sodium (Na), calcium (Ca), and magnesium (Mg). Anions are chloride (Cl), total alkalinity as calcium carbonate ($CaCO_3$), and sulfate (SO_4). Endpoints of the plots are connected, creating a polygonal shape representative of the sample's chemistry. Changes in the shape of the Stiff plots from samples collected at various locations within the same aquifer provide visual indication of the differences in groundwater geochemistry. Changes in the groundwater's geochemical environment at individual well locations can be evaluated over time by noting changes in the Stiff diagrams from year to year.

Piper diagrams consist of two trilinear plots – one of the major cations (typically calcium, magnesium, and sodium) and one of the major anions (typically sulfate, bicarbonate, and chloride). Concentrations of major cations (or anions), expressed in meq/L, are plotted on each trilinear plot. Like the Stiff plots, sample results plotted on the Piper diagram provide a visual indication of the differences in groundwater geochemistry. Changes in the groundwater's geochemical environment at individual well locations can be evaluated by plotting the historical results.

Piper diagrams for the shallow, intermediate and deep units and the private wells were developed for groundwater data from 1999 through 2007 and are included in Appendix

O. Stiff Diagrams for each of the monitoring wells were generated for the June 2007 monitoring event and are included in Appendix O.

5.2 Spider Concentration Maps

Spider concentration maps provide a comparison of the concentrations of specific analytes in the groundwater monitoring wells. These maps are used to evaluate the concentrations of specific analytes in one well over time and to compare the concentrations of these analytes in several wells located in the same hydrostratigraphic unit. Spider concentration maps were generated with the 2007 analytical data for chloride, total organic carbon (TOC), dissolved oxygen (DO), and VOCs, where applicable, for the shallow, intermediate, and deep hydrostratigraphic units (Figures 5 through 7).

Please note that the 2003 concentrations of the following VOCs were not included in the sum of the detected VOCs as stated in the Environmental Information Logistics, LLC 2003 Annual Groundwater Report: Trichloroethene in well MW34S (2 ug/L), chloroform in well MW20S (2ug/L), 1, 1-dichloroethane in well MW9S(4 ug/L), and acetone in wells G142 and MW06I (23 ug/L and 10 ug/L, respectively). As discussed in the 2003 annual report, these low level VOC detections from the 2003 groundwater monitoring event appear to be anomalous as they have previously not been detected in these wells and may possibly be the result of laboratory contamination.

5.3 Groundwater Flow

Figures 2, 3 and 4 depict the potentiometer groundwater surface for the shallow, intermediate and deep hydrostratigraphic units, respectively, based on water level measurements taken in June, 2007. The groundwater generally flows south from the Tri-County Landfill, north from the Elgin Landfill in the shallow hydrostratigraphic unit, and west from the Elgin Landfill in the intermediate hydrostratigraphic unit. Groundwater flow directions during the June 2007 sampling event are consistent with those discussed in the Pre-design Investigation Report (February 1996).

6 DISCUSSION

6.0 Groundwater Monitoring

Groundwater analytical data indicates that Remedial Action (RA) at the Tri-County Landfill has resulted in decreasing trends in groundwater contamination during the 2007 monitoring event. The Tri-County Landfill groundwater monitoring wells G135, MW1S, MW25S, MW39S, MW5SR, MW1I1, MW2IR, MW5IR, MW10I, MW13IR, G112 and MW1DR do not appear to be impacted. These wells are characterized by an absence of VOC detections, chloride and other inorganic analyte concentrations below the Class I ILGWQSs, relatively similar Stiff diagram shapes, and relatively clustered plot locations on the Piper plots.

In order to facilitate the discussion the following section provides a summary of the analytical results based on the hydrogeologic setting of the shallow, intermediate and deep groundwater wells. In addition this section provides a summary of the analytical results from samples collected from the private wells.

6.1 Shallow Groundwater Zone Wells

Of the eleven wells screened in the shallow zone and sampled during the 2007 groundwater monitoring event, six wells had analyte groundwater concentrations greater than the Class I ILGWQS. In general, the 2007 monitoring event shows that individual VOCs have decreased from those concentrations observed during the 2006 monitoring event as shown in Figure 5.

Shallow monitoring wells MW21S, MW06S and MW38S have shown evidence of groundwater contamination. Monitoring well MW21S is located north of the Elgin Landfill and the discussion of groundwater quality for the Elgin Landfill will be performed by Herst & Associates. Monitoring wells MW06S and MW38S are located south and east of the Tri-County Landfill. Historically, benzene and chlorobenzene, chloroethane, 1,1-dichloroethane and cis-1,2-dichloroethene have been reported in these monitoring wells. During the 2007 sampling event, monitoring well MW38S was the only well at the Tri-County Landfill to exhibit a VOC detection in the shallow monitoring well network. The decrease in the VOCs in monitoring well MW06S is most likely related to RA at the Tri-County Landfill.

1,1-Dichloroethane and cis-1,2-dichloroethene in monitoring well MW38S were the only volatile organic constituents to exhibit a detection during the 2007 sampling event. 1,1-Dichloroethane and cis-1,2-dichloroethene were 2.0 ug/L and 3.0 ug/L, which are less than the MCL and Class I GWQ Standards. In review of the 2006 data for these parameters, 1,1-dichloroethane and cis-1,2-dichloroethene were not detected in monitoring well MW38S. These parameters were only detected at this monitoring well location during the June 2007 sampling event and are a slight increase from the previous year. A review of historical results for monitoring well MW38S indicates that 1,1-dichloroethane and cis-1,2-dichloroethene have decreased over time from 10 ug/L to 5 ug/L, respectively. Similar decreases have been observed for benzene, chlorobenzene and chloroethane to concentration that are now below the laboratory method detection limits. Monitoring well MW-38S is located hydraulically upgradient of the Tri-County Landfill. Shaw recommends continued groundwater monitoring for MW38S.

Manganese exceeded the Class I ILGWQS in six (MW2SR, MW5SR, MW06S, MW10S, MW12SR, MW38S, MW41S) of the eleven shallow zone monitoring wells during the 2007 sampling event. Iron exceeded Class I ILGWQS in the shallow zone wells (MW06S, MW10S) during the 2007 sampling event. Except for monitoring well MW-10S, manganese and iron concentrations are decreasing over time or are consistent with historical results. Manganese and iron in monitoring well MW10S were slightly higher during the 2007 sampling event. Manganese and iron are mobilized from native soils under reducing conditions. Manganese and iron concentrations, especially when measured in relatively shallow groundwater units, are often naturally above their numerical Class I ILGWQS in this area. In fact, because of the widely distributed manganese concentrations in groundwater near the Tri-County Landfill, this parameter was not considered to be a good indicator of landfill impacts at this site in the Predesign Investigation Report.

Sulfate in monitoring well MW2SR exceeded the Class I GWQS of 400 mg/L with a detected concentration of 550 mg/L. The detected concentration is a slight increase from the previous sampling event but does not suggest a groundwater impact from the landfill. If these results were attributable to groundwater impacts from the landfill, you would expect to see corresponding increases in concentrations of the primary indicator parameters (nitrate, nitrite, TOC, TDS, alkalinity and TSS) and this does not occur. In fact, except for sulfate, other indicator constituents do not exhibit increasing trends which is an indication that groundwater impacts have not occurred. In addition volatile organic compounds have not been confirmed to exceed permit-specified criteria at this well for over seven years. Consequently, the data support a conclusion that these results are not attributable to groundwater impacts from the landfill.

Total dissolved solids in monitoring wells MW2SR slightly exceeded the Class I GWQS of 1200 mg/L with a detected concentration of 1210 mg/L during the 2007 sampling event. This is a 170 mg/L decrease from the previous sampling event. The detected

concentration does not suggest a groundwater impact from the landfill as discussed above.

Nickel in monitoring wells MW2SR slightly exceeded the Class I GWQS of 100 ug/L with a detected concentration of 109 ug/L during the 2007 sampling event. This is a 6 ug/L increase from the previous sampling event but falls within the range of historical data (4 ug/L to 142 ug/L) for this monitoring well. The detected concentration is a slight increase from the previous sampling event and does not suggest groundwater impacts from the landfill as noted above.

Chloride in monitoring well MW06S exceeded the Class I GWQS of 200 mg/L with a detected concentration of 342 mg/L. The detected concentration of 342 mg/L is a 38 mg/L increase from the previous sampling event. It should be noted that the detected concentration of 342 mg/L falls within the historical range of 248 mg/L to 781 mg/L for chloride in monitoring well MW06S. In fact, chloride in monitoring well MW06S shows a decreasing trend in chloride concentration from a high of 781 mg/L reported during the 2004 sampling event. If these results were attributable to groundwater impacts, you would expect to see corresponding increases of primary impact indicator parameters (nitrate, nitrite, TOC, TDS, alkalinity and TSS) and this does not occur. It should also be noted that volatile organic compounds were not detected in MW06S during the 2007 sampling event at concentrations greater than the Class I GWQS or the MCL value. Chloride in monitoring well MW06S does not appear to be related to groundwater impacts from the landfill.

Lead in monitoring well MW10S was detected at a concentration of 15.9 ug/L, slightly exceeding the MCL value of 15 ug/L and the Class I GWQS of 8 ug/L during the 2007 sampling event at Tri-County Landfill. This is the first time that lead has been detected at this well location since June, 2000. During the 1999 and 2000 sampling events, lead was detected at 28 ug/L and 8.7 ug/L, respectively. Increasing concentrations of routine indicator parameters (nitrate, nitrite, TOC, TDS, alkalinity and TSS) were not observed in monitoring well MW10S during the 2007 sampling event. It should also be noted that volatile organic compounds were not detected in MW10S during the 2007 sampling event at concentrations greater than the Class I GWQS or the MCL values. Lead in monitoring well MW10S does not appear to be related to the landfill. Monitoring well MW10S is located hydraulically upgradient of the Tri-County Landfill. As a result, lead in monitoring well MW10S is not related to a release from the Tri-County Landfill.

Chromium in monitoring well MW38S was detected at a concentration of 374 ug/L, exceeding the MCL value of 100 ug/L and the Class I GWQS of 100 ug/L during the 2007 sampling event. It should be noted that the detected concentration of 374 ug/L falls within the historical range of 21.8 ug/L to 5500 ug/L for chromium in monitoring well MW38S. If these results were attributable to groundwater impacts you would expect to see corresponding increases in concentrations of the primary impact indicator parameters (nitrate, nitrite, TOC, TDS, alkalinity and TSS) and this does not occur. In fact, the

indicator constituents do not exhibit increasing trends which is an indication that groundwater impact has not occurred. It should also be noted that volatile organic compounds were detected in MW38S during the 2007 sampling event at concentrations slightly greater than the Class I GWQS or the MCL values, but does not appear to be related to the landfill. Monitoring well MW38S is located hydraulically upgradient of the Tri-County Landfill. As a result, chromium in monitoring well MW38S is not related to a release from the Tri-County Landfill

Nitrate(asN) exceeded the MCL and Class I GWQS of 10 mg/L, respectively with a detected concentration of 39.1 mg/L in monitoring well MW41S. Nitrite(asN) also exhibited a detected concentration of 1.3 mg/L, exceeding the MCL value of 1.0 mg/L during the 2007 sampling event. The detected concentration of nitrate(asN) in MW41S falls within the historical range of data for this parameter (0.05 mg/L to 71.2 mg/L). Nitrite(asN) exhibited an exceedence above the MCL, however the detected concentration of 1.3 mg/L falls within the range of historical data (0.02 mg/L to 4 mg/L) for this monitoring well.

Sulfate slightly exceeded the Class I GWQS of 400 mg/L with a detected concentration of 414 mg/L during the 2007 sampling event in monitoring well MW41S. Total dissolved solids exceeded the Class I GWQS of 1200 mg/L with a detected concentration of 1420 mg/L during the 2007 sampling event. Manganese exceeded the Class I GWQS of 150 ug/L with a detected concentration of 730 ug/L. If these results were attributable to groundwater impacts, you would expect to see corresponding increases in concentrations of the primary groundwater impact indicator parameters (nitrate, nitrite, TOC, TDS, alkalinity and TSS) and this does not occur. In fact, the other indicator constituents exhibit decreasing trends which is an indication that groundwater quality is improving in monitoring well MW41S. In addition, the detected concentrations of sulfate, TDS and manganese fall within the range of historical data for this monitoring well.

Concentration time trend diagrams for the indicator parameters and the detected VOC and inorganic constituents for the shallow monitoring wells are provided in Appendix D.

6.2 Intermediate Groundwater Zone Wells

Of the 10 wells screened in the intermediate zone and sampled during the 2007 groundwater monitoring event, four monitoring wells had analyte groundwater concentrations greater than Class I ILGWQS. Monitoring well MW1I2 exhibited an exceedence of the MCL values. In general, the 2007 monitoring event shows that individual VOCs in the intermediate monitoring wells have also decreased from those concentrations observed during the 2006 monitoring event as shown in Figure 6.

Intermediate monitoring wells MW06I and G142 have shown evidence of groundwater contamination. Monitoring well MW06I is located adjacent to MW06S in the wetland to

the south of the Tri-County Landfill. Monitoring well G142 is located west of the Tri-County Landfill.

During the 2007 sampling event, monitoring well MW06I was the only well to exhibit a VOC detection in the intermediate monitoring well network. Chloroethane in monitoring well MW06I was the only volatile organic constituent to be detected during the 2007 sampling event. Chloroethane was reported in monitoring well MW06I at 8.0 ug/L. In review of the historical data, chloroethane has exhibited a decreasing trend from 20 ug/L reported during the 2002 sampling event.

Chloride and iron in monitoring well MW06I exceeded the Class I GWQS of 200 mg/L and 5000 ug/L, respectively with detected concentrations of 234 mg/L and 7510 ug/L, respectively. Chloride has exhibited a decreasing trend over the past 4 years from 430 mg/L in June 2004; 382 mg/L in June 2005; to 299 mg/L in June 2006; and 234 in June 2007. A slight concentration increase in iron occurred in monitoring well MW06I during the 2007 sampling event. Iron has exhibited decreasing concentrations from 10.8 mg/L to 6.2 mg/L during sampling events from 2002 to 2006. A review of impact indicator parameters (nitrate, nitrite, TOC, TDS, alkalinity and TSS) also show decreasing concentrations indicating that groundwater quality continues to improve in the area of monitoring well MW06I.

Chloride and total dissolved solids in monitoring well G142 exceeded the Class I GWQS of 200 mg/L and 1200 mg/L, respectively with detected concentrations of 685 mg/L and 1630 mg/L, respectively. Chloride has exhibited a decreasing trend over the past 3 years from 865 mg/L in June 2005; 744 mg/L in June 2006; to 685 mg/L in June 2007. Total dissolved solids exhibited a 620 mg/L concentration decrease from the previous sampling event. Volatile organic compounds were not detected in monitoring well G142 during the 2007 sampling event at concentrations greater than the Class I GWQS or the MCL values. Chloride and total dissolved solids in monitoring well G142 do not appear to be landfill related.

Chloride in monitoring well MW12IR exceeded the Class I GWQS of 200 mg/L with a detected concentration of 296 mg/L. The detected concentration is a slight increase from the previous sampling event but falls within the range of historical data (286 mg/L to 422 mg/L) for this monitoring well. If these results were attributable to groundwater impacts, you would expect to see corresponding increases in concentrations of the primary groundwater impact indicator parameters (nitrate, nitrite, TOC, TDS, alkalinity and TSS) and this does not occur. Volatile organic compounds were not detected in monitoring well MW12IR during the 2007 sampling event at concentrations greater than the Class I GWQS or the MCL values. Chloride in monitoring well MW12IR does not appear to be landfill related.

Chromium and nickel exceeded the Class I GWQS of 100 ug/L during the June 2007 sampling event in monitoring well MW12IR. Chromium also exhibited an exceedence of the MCL during the 2007 sampling event. Although a slight concentration increase in

chromium occurred in monitoring well MW12IR during the 2007 sampling event. chromium has exhibited decreasing concentrations from 385 ug/L during 2003 to 3.8 ug/L during 2006. Nickel has shown an increase in concentration from 22 ug/L in MW12IR during the 2000 sampling event to 209 ug/L during the 2007 sampling event. Chromium and nickel concentrations do not suggest a groundwater impact from the landfill as discussed above.

Nitrite exceeded the MCL value of 1 mg/L with a detected concentration of 3.4 mg/L in monitoring well MW1I2 during the 2007 sampling event. This is the first tiem that nitrite has exhibited an exceedence above the MCL, going back to June, 2002. Although a slight concentration increase in nitrite occurred in monitoring well MW1I2 during the 2007 sampling event, nitrite has not exhibited increasing concentrations. A review of the impact indicator parameters (nitrate, TOC, TDS, alkalinity and TSS) in monitoring well MW1I2 are lower than concentrations in monitoring wells MW06S and G142 and do not show increasing concentrations. In addition, further review of historic data indicates that volatile organic constituents (benzene, chlorobenzene, methylene chloride, acetone, chloroethane) have been detected in monitoring well MW1I2. It should also be noted that volatile organic compounds were not detected in MW1I2 during the 2007 sampling event. Nitrite in monitoring well MW1I2 does not appear to be related to groundwater impacts from the landfill. Shaw recommends continued monitoring of monitoring well MW1I2.

Manganese in monitoring well MW39I exceeded the Class I GWQS of 150 ug/L with a detected concentration of 269 ug/L, which is a slight increase from the previous sampling and falls within the range of historical data for this monitoring well. A review of the impact indicator parameters (nitrate, TOC, TDS, alkalinity and TSS) in monitoring well MW39I are lower than concentrations in monitoring well MW06S and G142 and do not show increasing concentrations. In addition, further review of historic data indicates that volatile organic constituens (benzene chlorobenzene, methylene chloride, acetone, chloroethane) have been detected in monitoring well MW39I. It should also be noted that volatile organic compounds were not detected in MW39I during the 2007 sampling event. As discussed above, manganese is mobilized from native soils under reducing conditions. Manganese concentrations in groundwater are not considered to be a good indicator of landfill impacts at this site.

Concentration time trend diagrams for the indicator parameters and the detected VOC and inorganic constituents for the intermediate monitoring wells are provided in Appendix E.

6.3 Deep Groundwater Zone Wells

Of the three deep zone groundwater monitoring wells, chloride, total dissolved solids and iron in monitoring well MW40DR exceeded the Class I ILGWQS during the 2007

groundwater monitoring event. VOCs were not detected in the deep zone monitoring wells as shown in Figure 7.

During the June 2007 sampling event chloride in monitoring well MW40DR was detected at a concentration of 712 mg/L, which is greater than the Class I GWQS of 200 mg/L. This concentration is a 174 mg/L decrease from the previous 2006 event and falls within the range of historical data for this monitoring well.

Total dissolved solids and iron exceeded the Class I GWQS in monitoring well MW40DR. Total dissolved solids have exhibited a three year decrease in concentrations at this monitoring well. Iron exhibited an increase following the 2006 sampling event.

A review of impact indicator parameters (nitrate, TOC, TDS, alkalinity and TSS) in monitoring well MW40DR show decreasing concentrations. In addition, further review of data indicates that volatile organic constituents (benzene methylene chloride) have been detected historically in monitoring well MW40DR. It should also be noted that volatile organic compounds were not detected in MW40DR during the 2007 sampling event. The decreasing concentration of indicator parameters in the area of monitoring well MW40DR indicates that groundwater quality continues to improve in the area of monitoring well MW40DR. Shaw recommends continued monitoring of monitoring well MW40DR.

Concentration time trend diagrams for the indicator parameters and the inorganic constituents for the deep monitoring wells are provided in Appendix F.

6.4 Private Wells

During the 2007 sampling event chloride in private well PW07 and PW23 exceeded the respective Class I ILGWQSs. The National Primary Drinking Water Regulations consider these constituents secondary containments. Secondary contaminants may cause cosmetic or aesthetic effects in drinking water, however they are not considered to be a risk to human health.

In addition, one VOC, chloroethane, was detected at the private well PW07 at a concentration of 3 ug/L during the 2007 sampling event. There is no MCL or Class IGWQS associated with the chloroethane.

Concentration time trend diagrams for the indicator parameters and the detected VOC and inorganic constituents for the private monitoring wells are provided in Appendix G.

6.5 Gas Collection Control System

A landfill gas collection and control system (GCCS) was installed as part of the remedial efforts at the Tri-County and Elgin Landfills. A review of the monthly gas well monitoring logs and gas probe log (see Appendix L) for 2007 indicates that the GCCS and open utility flare are operating as intended by providing a vacuum condition to the gas wells and achieving control of potential landfill gas migration.

7 CONCLUSIONS / RECOMMENDATIONS

The objective of the groundwater monitoring program is to: 1) provide early warning of a significant increase in groundwater contamination caused by a release of hazardous substances, pollutants, or contaminants from the Tri-County Landfill after the Remedial Action (RA) and subsequent operation/maintenance period, 2) provide information on the effects that the RA has had on the groundwater quality, 3) demonstrate the effectiveness of natural attenuation in conjunction with the landfill capping as an effective means of remediating groundwater contamination, and 4) verify that contaminated groundwater does not pose a threat to human health and the environmental downgradient of the site.

As demonstrated in this report, remedial action has improved the groundwater quality. VOC concentrations in groundwater are decreasing. VOCs in groundwater can result from both landfill gas and leachate migration from the waste mass, the implementation of the landfill gas source control in the form of the landfill gas collection and control system can have relatively rapid impacts on the concentrations of VOCs in groundwater. The efficiency of landfill gas collection and control system and engineered CAP at the Tri-County Landfill is demonstrated by the decreasing VOCs and stable inorganic concentrations in the groundwater monitoring wells.

The results for the un-impacted wells and the private wells indicate that the impacts related to the Tri-County Landfill are relatively local and do not pose a threat to human health and the environment downgradient of the site. Based on these conclusions, we do not believe that implementation of additional control or remedial measures are currently necessary. We recommend that the groundwater monitoring program continue at Tri-County Landfill as currently defined.

If you have any questions or require additional information please contact Mr. Michael Peterson, P.E. at WMIL at 262-532-4024 or myself at 630-771-9200.

Sincerely,

Shaw Environmental, Inc.

Heather M. Powell-Olson
Senior Project Manager

Randy Sherman, P.G. CHMM
Project Geologist

cc: Mr. Michael L. Peterson, P.E., WMIL
Mr. Reid Root, Woodland Landfill
Mr. Rich Lange, IEPA

TABLES

Table 1
2007 Summary of Required Annual Analysis
Tri-County Landfill

Well I.D.	Hydrostatic Unit Location	Northing	Easting	Elevation	Water Levels	Indicator Parameters	Metals and Cyanide	VOC's	SVOC's
G135	Shallow	35216.020	649.511	759.16	Yes	Yes	No	No	No
MW1S	Shallow	35077.881	1011.744	741.14	Yes	Yes	No	No	No
MW06S	Shallow	35366.816	1364.035	743.96	Yes	Yes	Yes	Yes	Yes
MW10S	Shallow	35917.838	2076.222	756.64	Yes	Yes	Yes	Yes	No
MW12SR	Shallow	35574.988	599.887	757.37	Yes	Yes	Yes	Yes	Yes
MW25S	Shallow	35111.933	812.539	749.22	Yes	Yes	No	No	No
MW2SR	Shallow	35820.865	393.194	759.26	Yes	Yes	Yes	Yes	No
MW38S	Shallow	36899.165	2194.685	755.02	Yes	Yes	Yes	Yes	No
MW39S	Shallow	34893.431	842.313	739.45	Yes	Yes	Yes	Yes	No
MW41S	Shallow	35967.007	327.970	757.34	Yes	Yes	Yes	Yes	No
MW5SR	Shallow	35602.598	1096.995	748.17	Yes	Yes	Yes	Yes	No
PZ29	Shallow-Piezometer	36617.800	2047.400	na	Yes	No	No	No	No
PZ32	Shallow-Piezometer	36480.779	251.000	na	Yes	No	No	No	No
G142	Intermediate	36090.446	305.992	758.49	Yes	Yes	Yes	Yes	No
MW1I1	Intermediate	35064.402	986.223	740.97	Yes	Yes	No	Yes	No
MW1I2	Intermediate	35062.274	1006.073	741.3	Yes	Yes	No	Yes	No
MW2IR	Intermediate	35810.933	394.612	759.15	Yes	Yes	Yes	Yes	No
MW5IR	Intermediate	35603.308	1110.464	746.87	Yes	Yes	Yes	Yes	No
MW06I	Intermediate	35367.525	1351.274	743.94	Yes	Yes	Yes	Yes	No
MW10I	Intermediate	35908.615	2076.931	756.12	Yes	Yes	Yes	Yes	No
MW12IR	Intermediate	35579.245	586.418	757.28	Yes	Yes	Yes	Yes	Yes
MW13IR	Intermediate	35668.592	1679.338	757.6	Yes	Yes	Yes	Yes	Yes
MW39I	Intermediate	34899.816	844.440	738.91	Yes	Yes	Yes	Yes	No
G112	Deep	36105.344	302.447	na	Yes	Yes	No	No	No
MW1DR	Deep	35086.394	993.312	na	Yes	Yes	No	Yes	No
MW40DR	Deep	35590.595	594.216	757.43	Yes	Yes	Yes	Yes	No
PW07	Private Well			na	see notes	Yes	Yes	Yes	No
PW09	Private Well			na	see notes	Yes	Yes	Yes	No
PW22	Private Well			na	Abandoned				
PW23	Private Well			na	see notes	Yes	Yes	Yes	No

Notes:
Yes = sampled annually
No = not sampled annually

PW07 - located in sink of bathroom at office at Woodland.
PW09 - located in bathroom next to breakroom at Elgin Chicago Stone across from landfill.
PW22 - should be taken at ARC Disposal. ARC Disposal is an abandoned building.
PW23 - hose mounted to wall in Repair Bay.

Table 2
Indicator Parameter List
Tri-County Landfill

Parameter Name	SQL	Units
Alkalinity	1000	ug/L
Chloride (total)	1000	ug/L
N-Nitrate (total)	50	ug/L
N-Nitrite (total)	50	ug/L
Sulfate (total)	1000	ug/L
Sulfide (total)	1000	ug/L
Total Suspended Solids	4000	ug/L
Total Dissolved Solids	10000	ug/L
Total Organic Carbon	1000	ug/L
Ferrous Iron	NA	ug/L

Table 3
Metals and Cyanide Parameter List
Tri-County Landfill

Parameter Name	SQL	Units
Aluminum (total)	30	ug/L
Antimony (total)	6	ug/L
Arsenic (total)	20	ug/L
Barium (total)	5	ug/L
Beryllium (total)	1	ug/L
Cadmium (total)	1	ug/L
Calcium (total)	40	ug/L
Chromium (total)	3	ug/L
Cobalt (total)	3	ug/L
Copper (total)	4	ug/L
Iron (total)	60	ug/L
Lead (total)	5	ug/L
Magnesium (total)	50	ug/L
Manganese (total)	1.2	ug/L
Mercury (total)	0.4	ug/L
Nickel (total)	4	ug/L
Potassium (total)	150	ug/L
Selenium (total)	10	ug/L
Silver (total)	1	ug/L
Sodium (total)	1000	ug/L
Thallium (total)	2	ug/L
Vanadium (total)	3	ug/L
Zinc (total)	5	ug/L
Cyanide (total)	20	ug/L

Table 4
Volatile Organic Compounds Parameter List
Tri-County Landfill

Parameter Name	SQL	Units
1,1,1-Trichloroethane	1	ug/L
1,1,2,2-Tetrachloroethane	1	ug/L
1,1,2-Trichloroethane	1	ug/L
1,1-Dichloroethane	1	ug/L
1,1-Dichloroethene	1	ug/L
1,2-Dichloroethane	1	ug/L
cis-1,2-Dichloroethane	1	ug/L
trans-1,2-Dichloroethane	1	ug/L
1,2-Dichloropropane	1	ug/L
Methyl Ethyl Ketone	10	ug/L
2-Hexanone	10	ug/L
4-Methyl-2-Pentanone	10	ug/L
Acetone	10	ug/L
Benzene	1	ug/L
Bromodichloromethane	1	ug/L
Bromoform	1	ug/L
Bromomethane	1	ug/L
Carbon Disulfide	5	ug/L
Carbon Tetrachloride	1	ug/L
Chlorobenzene	1	ug/L
Chloroethane	1	ug/L
Chloroform	1	ug/L
Chloromethane	1	ug/L
cis-1,3-Dichloropropene	1	ug/L
Dibromochloromethane	1	ug/L
Ethylbenzene	1	ug/L
Methylene Chloride	2	ug/L
Styrene	1	ug/L
Tetrachloroethene	1	ug/L
Toluene	1	ug/L
trans-1,3-Dichlorpropene	1	ug/L
Trichlorethene	1	ug/L
Vinyl Chloride	1	ug/L
Xylenes, total	3	ug/L

Table 5
Semi-Volatile Organic Compounds Parameter List
Tri-County Landfill

Parameter Name	*SQL*	*Units*
1,2,4-Trichlorobenzene	10	ug/L
1,2-Dichlorobenzene	10	ug/L
1,3-Dichlorobenzene	10	ug/L
1,4-Dichlorobenzene	10	ug/L
2,4,5-Trichlorophenol	50	ug/L
2,4,6-Trichlorophenol	10	ug/L
2,4-Dichlorophenol	10	ug/L
2,4-Dimethylphenol	10	ug/L
2,4-Dinitrophenol	50	ug/L
2,4-Dinitrotoluene	10	ug/L
2,6-Dinitrotoluene	10	ug/L
2-Chloronaphthalene	10	ug/L
2-Chlorophenol	10	ug/L
2-Methylnaphthalene	10	ug/L
2-Methylphenol	10	ug/L
2-Nitroaniline	50	ug/L
2-Nitrophenol	10	ug/L
3,3-Dichlorobenzidine	10	ug/L
3-Nitroaniline	50	ug/L
4,6-Dinitro-o-Cresol	50	ug/L
4-Bromophenyl Phenyl Ether	10	ug/L
4-Chloro-3-Methylphenol	10	ug/L
4-Chloroaniline	10	ug/L
4-Chlorophenyl Phenyl Ether	10	ug/L
4-Methylphenol	10	ug/L
4-Nitroaniline	50	ug/L
4-Nitrophenol	50	ug/L
Acenaphthene	10	ug/L
Acenaphthylene	10	ug/L
Anthracene	10	ug/L
Benzo(a)Anthracene	10	ug/L
Benzo(a)Pyrene	10	ug/L
Benzo(b)Fluoranthene	10	ug/L
Benzo(ghi)Perylene	10	ug/L
Benzo(k)Fluoranthene	10	ug/L
bis(2-Chloroethoxy)Methane	10	ug/L
bis(2-Chloroethyl)Ether	10	ug/L
bis(2-Chloro-1-Methylethyl)Ether	10	ug/L
bis(2-Ethylhexyl)Phthalate	10	ug/L
Butyl Benzyl Phthalate	10	ug/L
Carbazole	10	ug/L
Chrysene	10	ug/L
Di-N-Butyl Pththalate	10	ug/L
Di-N-Octyl Phthalate	10	ug/L
Dibenzo(a,h)Anthracene	10	ug/L
Dibenzofuran	10	ug/L
Diethylphthalate	10	ug/L
Dimethylphthalate	10	ug/L
Fluoranthene	10	ug/L
Fluorene	10	ug/L
Hexachlorobenzene	10	ug/L

Table 5
Semi-Volatile Organic Compounds Parameter List
Tri-County Landfill

Parameter Name	SQL	Units
Hexachlorobutadiene	40	ug/L
Hexachlorocyclopentadiene	10	ug/L
Hexachloroethane	10	ug/L
Indeno(1,2,3-cd)Pyrene	10	ug/L
Isophorone	10	ug/L
n-Nitrosodipropylamine	10	ug/L
n-Nitrodiphenylamine	10	ug/L
Naphthalene	10	ug/L
Nitrobenzene	10	ug/L
Pentachlorophenol	50	ug/L
Phenanthrene	10	ug/L
Phenol	10	ug/L
Pyrene	10	ug/L

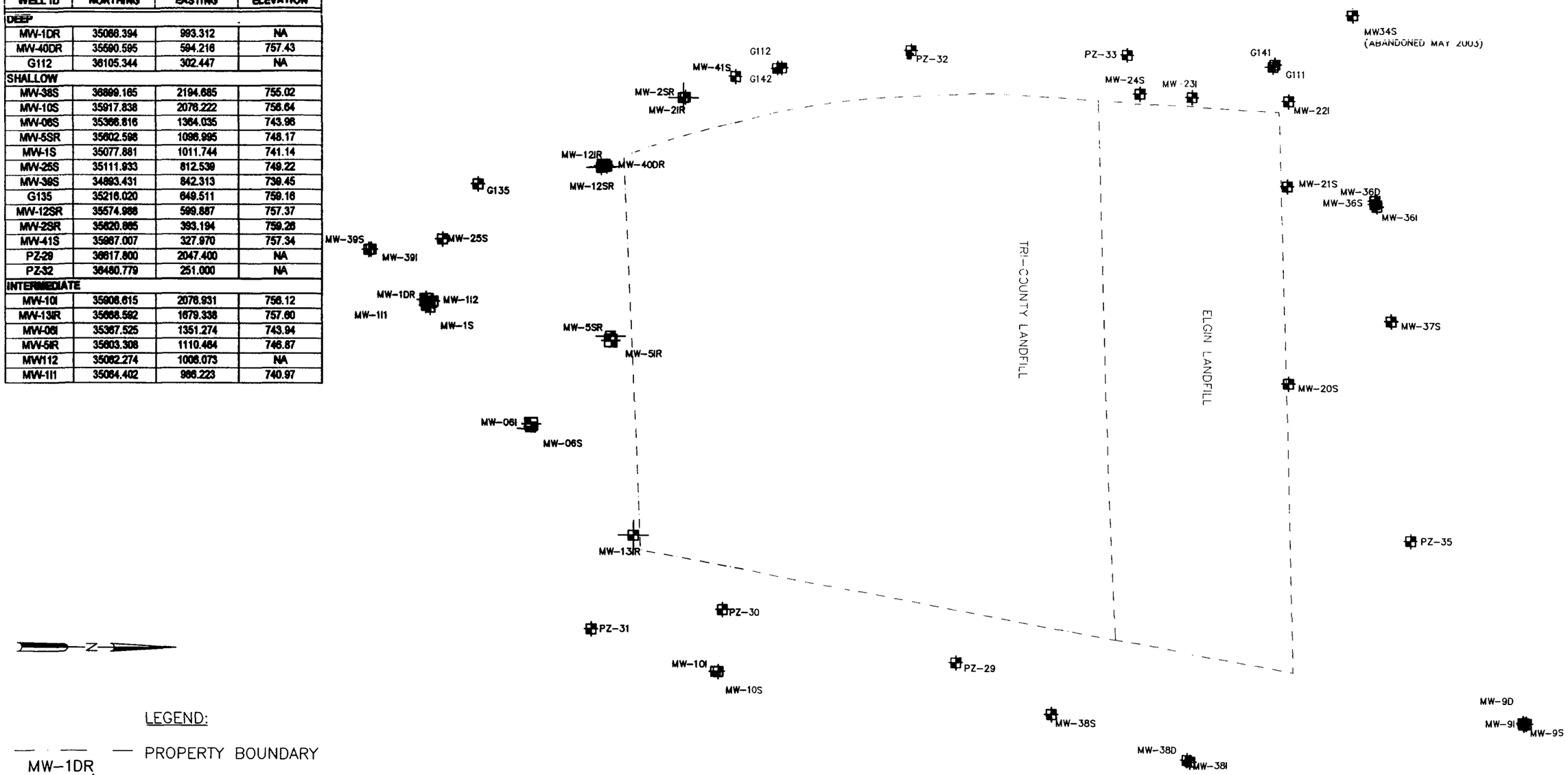
Table 6
2007 Groundwater Elevations
Tri-County Landfill

Well I.D.	Location	Top of Casing Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Date Taken	Time
G135	Shallow	759.16	21.70	737.46	6/18/2007	13:30
MW1S	Shallow	741.14	4.70	736.44	6/18/2007	11:38
MW06S	Shallow	743.96	5.53	738.43	6/18/2007	11:51
MW10S	Shallow	756.64	14.79	741.85	6/18/2007	13:08
MW12SR	Shallow	757.37	19.51	737.86	6/18/2007	11:25
MW25S	Shallow	749.22	12.41	736.81	6/18/2007	11:28
MW2SR	Shallow	759.26	20.94	738.32	6/18/2007	14:20
MW38S	Shallow	755.02	12.22	742.80	6/18/2007	12:32
MW39S	Shallow	739.45	6.29	733.16	6/18/2007	13:18
MW41S	Shallow	757.34	19.44	737.90	6/18/2007	14:11
MW5SR	Shallow	748.17	10.44	737.73	6/18/2007	11:45
PZ29	Shallow-Piezometer	NA	14.03	NA	6/18/2007	12:40
PZ32	Shallow-Piezometer	NA	18.89	NA	6/18/2007	13.50
G142	Intermediate	758.49	24.31	734.18	6/18/2007	14:11
MW1I1	Intermediate	740.97	15.80	725.17	6/18/2007	11:42
MW1I2	Intermediate	741.30	14.30	727.00	6/18/2007	11:33
MW2IR	Intermediate	759.15	27.47	731.68	6/18/2007	14:18
MW5IR	Intermediate	746.87	16.00	730.87	6/18/2007	11:48
MW06I	Intermediate	743.94	14.75	729.19	6/18/2007	11.53
MW10I	Intermediate	756.12	24.03	732.09	6/18/2007	13:00
MW12IR	Intermediate	757.28	24.99	732.29	6/18/2007	11:19
MW13IR	Intermediate	757.60	26.00	731.60	6/18/2007	9:57
MW39I	Intermediate	738.91	14.27	724.64	6/18/2007	13:17
G112	Deep	NA	37.59	NA	6/18/2007	14:00
MW1DR	Deep	NA	16.10	NA	6/18/2007	11:31
MW40DR	Deep	757.43	30.20	727.23	6/18/2007	11:15
PW22	Private Well	NA	NA	NA	NA	see notes
PW07	Private Well	NA	NA	NA	NA	see notes
PW23	Private Well	NA	NA	NA	NA	see notes
PW09	Private Well	NA	NA	NA	NA	see notes

Notes:
NA = Not Available
PW07 - located in sink of bathroom at office at Woodland.
PW09 - located in bathroom next to breakroom at Elgin Chicago Stone across from landfill.
PW22 - should be taken at ARC Disposal. ARC Disposal is an abandoned building - unable to collect sample.
PW23 - hose mounted to wall in Repair Bay.

FIGURES

TRI-COUNTY WELL COORDINATES			
WELL ID	NORTHING	EASTING	ELEVATION
DEEP			
MW-1DR	35088.394	993.312	NA
MW-40DR	35590.595	594.216	757.43
G112	36105.344	302.447	NA
SHALLOW			
MW-38S	36899.165	2194.685	755.02
MW-10S	35917.838	2076.222	756.64
MW-06S	35366.816	1364.035	743.96
MW-5SR	35602.598	1096.995	748.17
MW-1S	35077.881	1011.744	741.14
MW-25S	35111.933	812.539	749.22
MW-39S	34893.431	842.313	739.45
G135	35216.020	649.511	759.16
MW-12SR	35574.988	599.887	757.37
MW-2SR	35620.865	393.194	759.26
MW-41S	35967.007	327.970	757.34
PZ-29	36817.800	2047.400	NA
PZ-32	36480.779	251.000	NA
INTERMEDIATE			
MW-10I	35908.615	2076.931	756.12
MW-13IR	35668.592	1679.338	757.60
MW-06I	35367.525	1351.274	743.94
MW-5IR	35603.308	1110.464	746.87
MW112	35062.274	1008.073	NA
MW-1I1	35064.402	986.223	740.97



LEGEND:

PROPERTY BOUNDARY

MW-1DR GROUNDWATER MONITORING WELL

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FIGURE 1
TRI-COUNTY & ELGIN LANDFILL
KANE COUNTY, ILLINOIS

MONITORING WELL NETWORK SITE MAP

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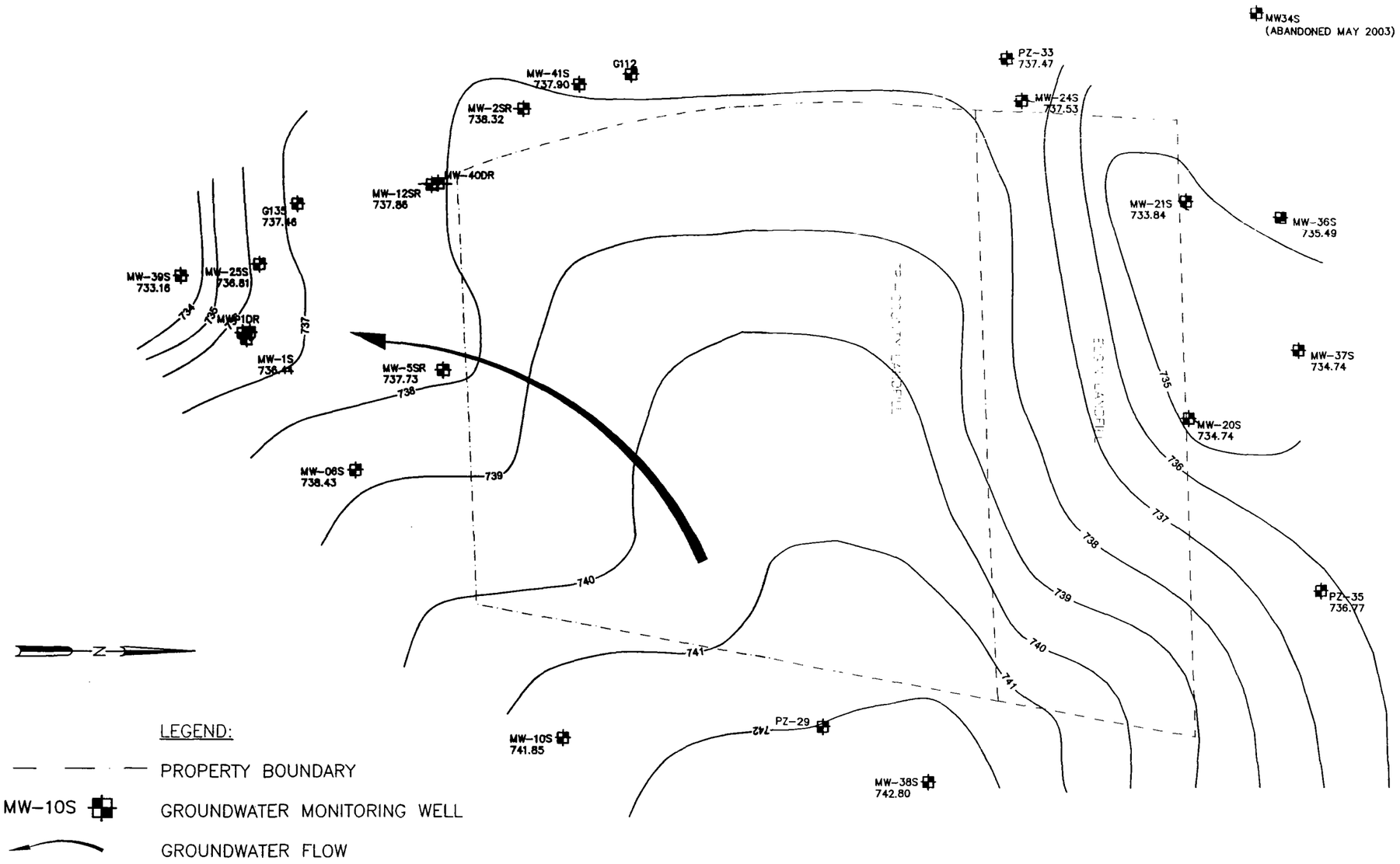

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FIGURE 2
TRI-COUNTY & ELGIN LANDFILLS
KANE COUNTY, ILLINOIS
JUNE 2007
GROUNDWATER FLOW MAP
SHALLOW HYDROSTATIGRAPHIC UNIT

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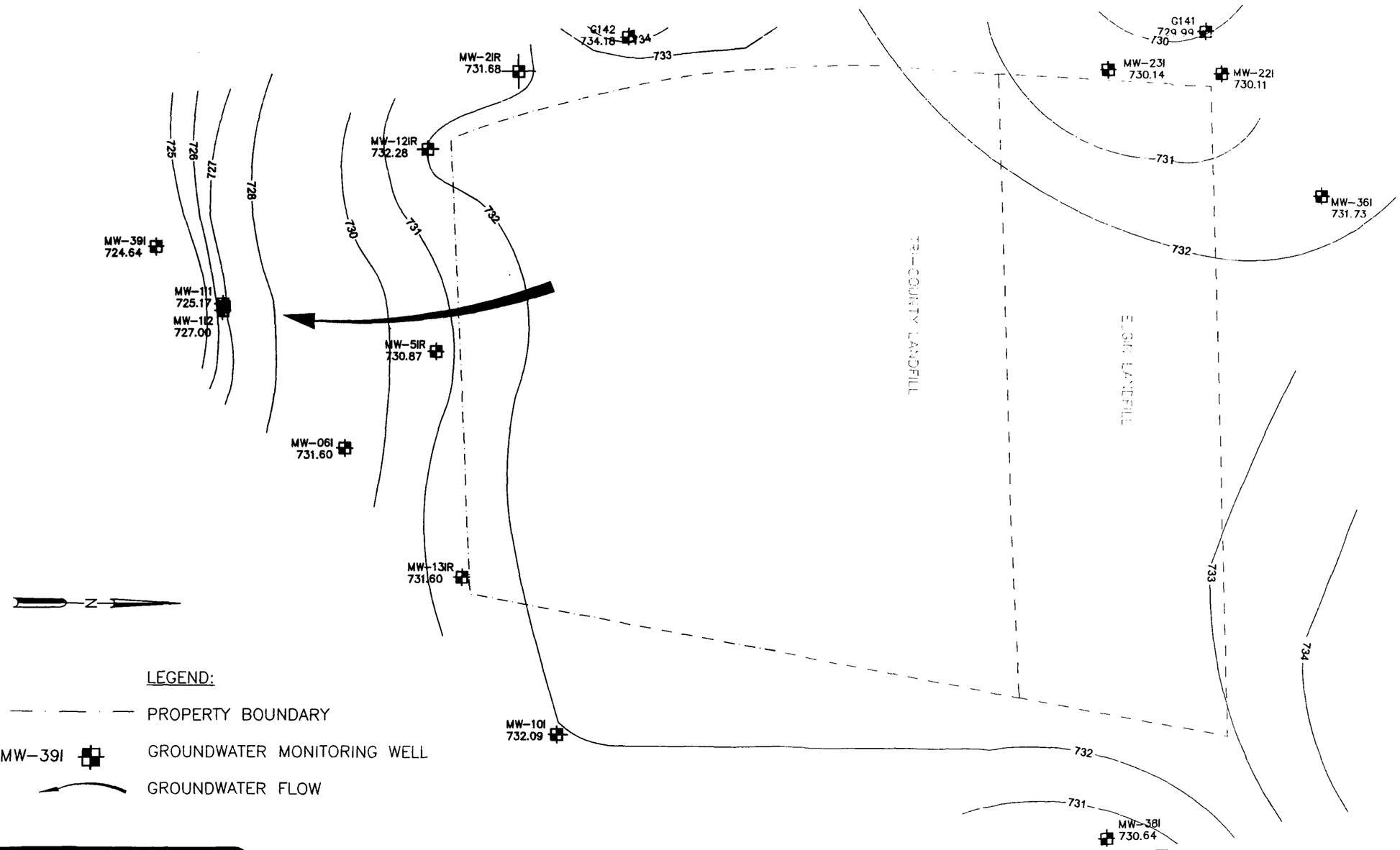

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FIGURE 3
TRI-COUNTY & ELGIN LANDFILLS
KANE COUNTY, ILLINOIS
JUNE 2007
GROUNDWATER FLOW MAP
INTERMEDIATE HYDROSTATIGRAPHIC UNIT

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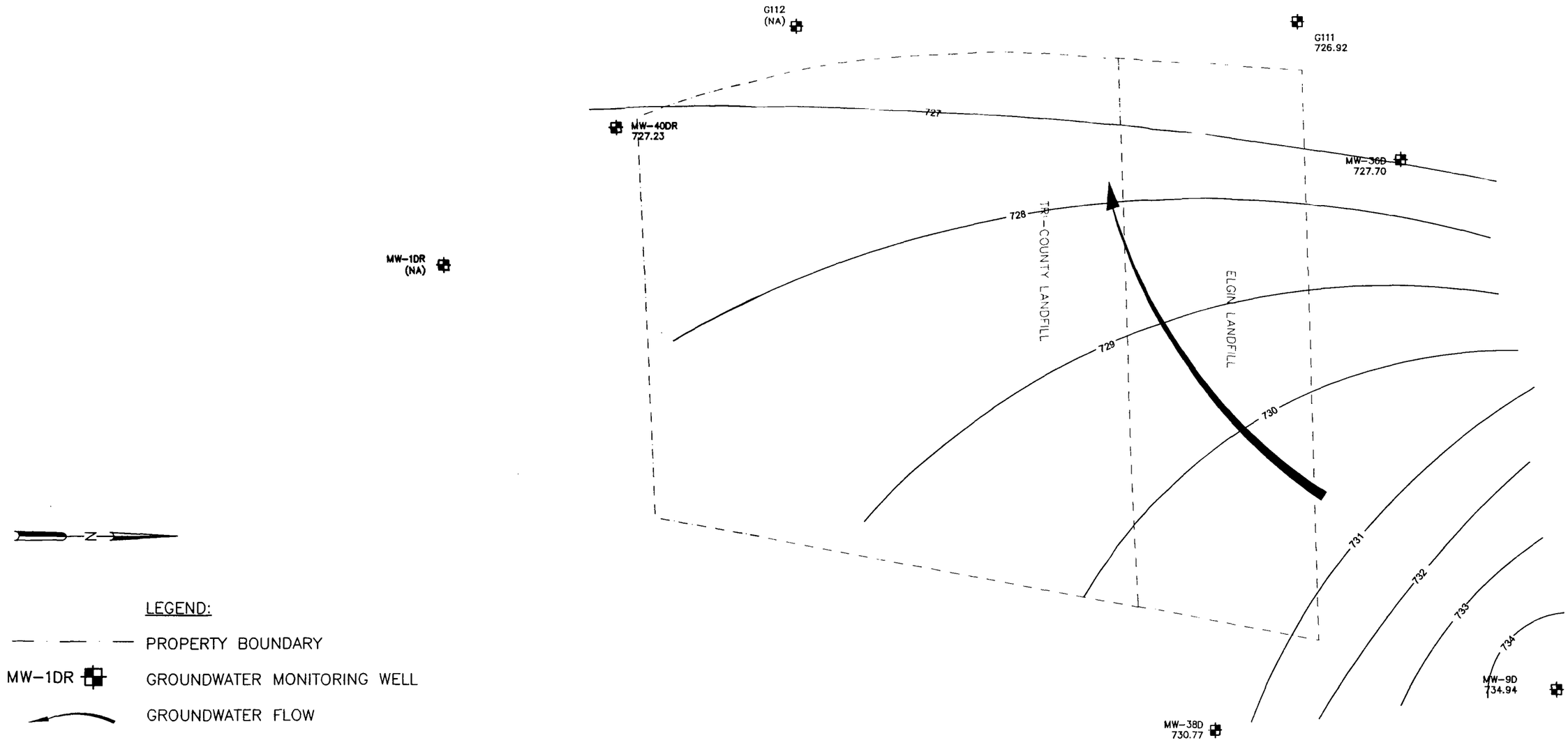

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FIGURE 4
TRI-COUNTY & ELGIN LANDFILL
KANE COUNTY, ILLINOIS
JUNE 2007
GROUNDWATER FLOW MAP
DEEP HYDROSTATIGRAPHIC UNIT

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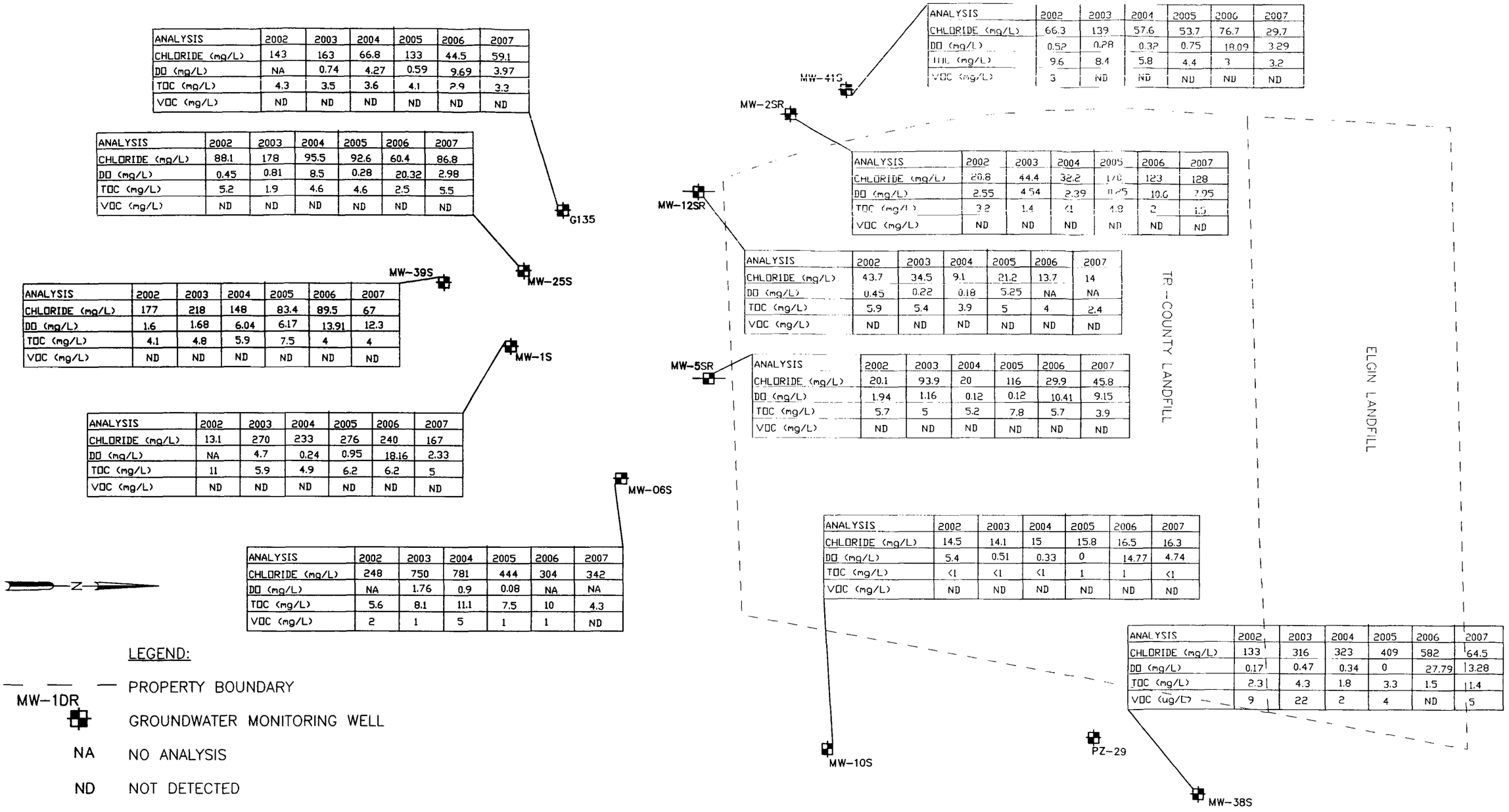

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	66.3	139	57.6	53.7	76.7	29.7
DO (mg/L)	0.52	0.28	0.32	0.75	18.09	3.29
TOC (mg/L)	9.6	8.4	5.8	4.4	3	3.2
VOC (mg/L)	3	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	20.8	44.4	32.2	170	123	128
DO (mg/L)	2.55	4.54	2.39	0.25	10.6	7.95
TOC (mg/L)	3.2	1.4	4	4.8	2	1.5
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	43.7	34.5	9.1	21.2	13.7	14
DO (mg/L)	0.45	0.22	0.18	5.25	NA	NA
TOC (mg/L)	5.9	5.4	3.9	5	4	2.4
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	20.1	93.9	20	116	29.9	45.8
DO (mg/L)	1.94	1.16	0.12	0.12	10.41	9.15
TOC (mg/L)	5.7	5	5.2	7.8	5.7	3.9
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	14.5	14.1	15	15.8	16.5	16.3
DO (mg/L)	5.4	0.51	0.33	0	14.77	4.74
TOC (mg/L)	<1	<1	<1	1	1	<1
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	133	316	323	409	582	64.5
DO (mg/L)	0.17	0.47	0.34	0	27.79	3.28
TOC (mg/L)	2.3	4.3	1.8	3.3	1.5	1.4
VOC (ug/L)	9	22	2	4	ND	5

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	143	163	66.8	133	44.5	59.1
DO (mg/L)	NA	0.74	4.27	0.59	9.69	3.97
TOC (mg/L)	4.3	3.5	3.6	4.1	2.9	3.3
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	88.1	178	95.5	92.6	60.4	86.8
DO (mg/L)	0.45	0.81	8.5	0.28	20.32	2.98
TOC (mg/L)	5.2	1.9	4.6	4.6	2.5	5.5
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	177	218	148	83.4	89.5	67
DO (mg/L)	1.6	1.68	6.04	6.17	13.91	12.3
TOC (mg/L)	4.1	4.8	5.9	7.5	4	4
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	13.1	270	233	276	240	167
DO (mg/L)	NA	4.7	0.24	0.95	18.16	2.33
TOC (mg/L)	11	5.9	4.9	6.2	6.2	5
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	248	750	781	444	304	342
DO (mg/L)	NA	1.76	0.9	0.08	NA	NA
TOC (mg/L)	5.6	8.1	11.1	7.5	10	4.3
VOC (mg/L)	2	1	5	1	1	ND

N

LEGEND:

PROPERTY BOUNDARY

MW-1DR GROUNDWATER MONITORING WELL

NA NO ANALYSIS

ND NOT DETECTED

VOCs SUM OF DETECTED VOC CONCENTRATIONS

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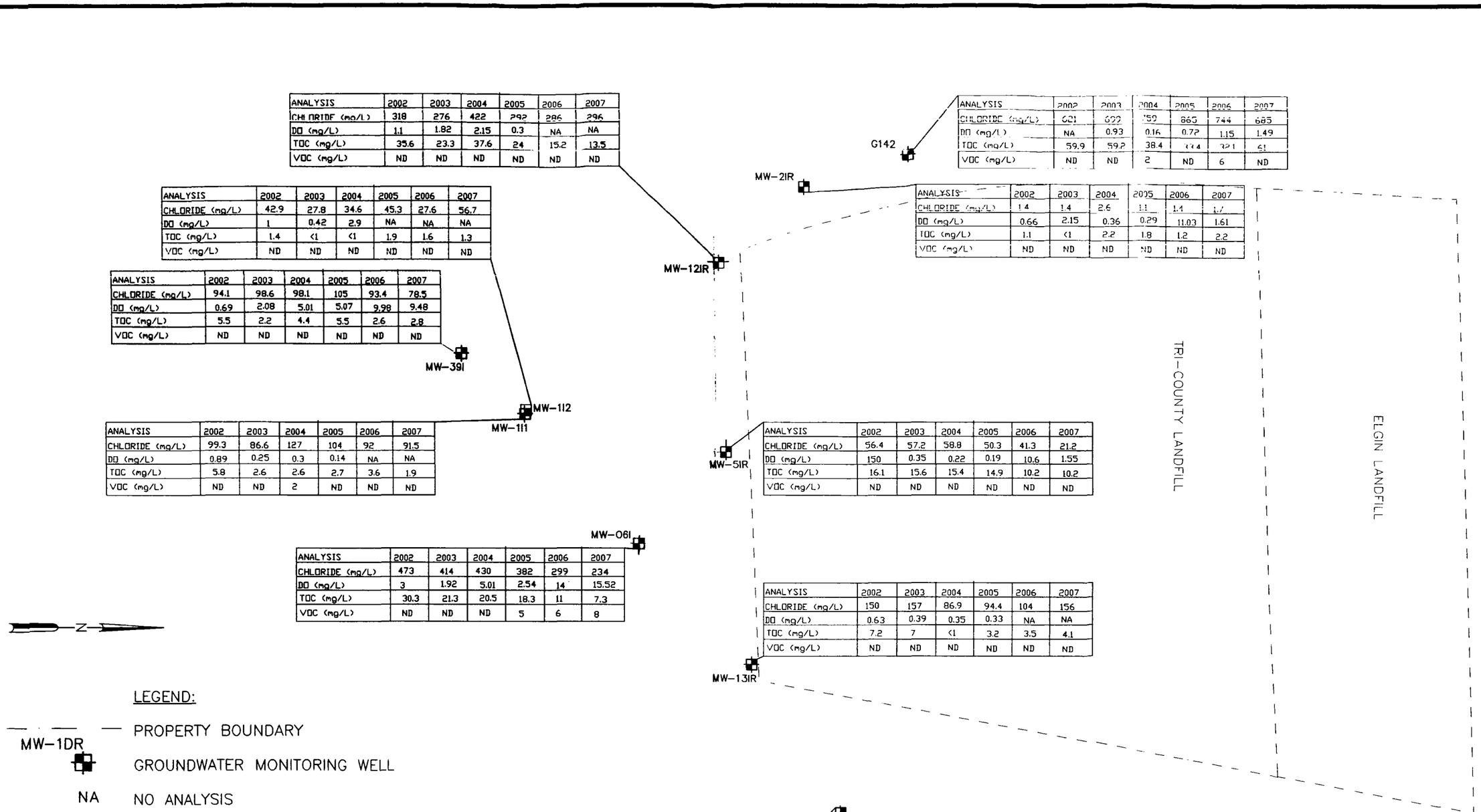
FIGURE 5
TRI-COUNTY LANDFILL
KANE COUNTY, ILLINOIS
JUNE 2007
SPIDER MAP SHALLOW HYDROSTATIGRAPHIC UNIT

File: N:\Proj\Wil CSMG\2007-2008\TRI-COUNTY LF - 124941\GW\2007\Task2'07\SHALLOW.dwg Layout: Layout1 User: debra.thomas Dec 03, 2007 - 3:19pm XREF Files: tc_prop IMAGE Files:



ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	318	276	422	292	286	296
DO (mg/L)	1.1	1.82	2.15	0.3	NA	NA
TOC (mg/L)	35.6	23.3	37.6	24	15.2	13.5
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	42.9	27.8	34.6	45.3	27.6	56.7
DO (mg/L)	1	0.42	2.9	NA	NA	NA
TOC (mg/L)	1.4	<1	<1	1.9	1.6	1.3
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	94.1	98.6	98.1	105	93.4	78.5
DO (mg/L)	0.69	2.08	5.01	5.07	9.98	9.48
TOC (mg/L)	5.5	2.2	4.4	5.5	2.6	2.8
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	99.3	86.6	127	104	92	91.5
DO (mg/L)	0.89	0.25	0.3	0.14	NA	NA
TOC (mg/L)	5.8	2.6	2.6	2.7	3.6	1.9
VOC (mg/L)	ND	ND	2	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	473	414	430	382	299	234
DO (mg/L)	3	1.92	5.01	2.54	14	15.52
TOC (mg/L)	30.3	21.3	20.5	18.3	11	7.3
VOC (mg/L)	ND	ND	ND	5	6	8

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	621	622	759	865	744	685
DO (mg/L)	NA	0.93	0.16	0.72	1.15	1.49
TOC (mg/L)	59.9	59.2	38.4	[illegible]	32.1	61
VOC (mg/L)	ND	ND	2	ND	6	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	1.4	1.4	2.6	1.1	1.4	1.7
DO (mg/L)	0.66	2.15	0.36	0.29	11.03	1.61
TOC (mg/L)	1.1	<1	2.2	1.8	1.2	2.2
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	56.4	57.2	58.8	50.3	41.3	21.2
DO (mg/L)	150	0.35	0.22	0.19	10.6	1.55
TOC (mg/L)	16.1	15.6	15.4	14.9	10.2	10.2
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	150	157	86.9	94.4	104	156
DO (mg/L)	0.63	0.39	0.35	0.33	NA	NA
TOC (mg/L)	7.2	7	<1	3.2	3.5	4.1
VOC (mg/L)	ND	ND	ND	ND	ND	ND

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	5.3	12.8	7.8	5.6	6.5	11.1
DO (mg/L)	4.36	0.9	1.72	3.04	12.69	6.08
TOC (mg/L)	1.3	1.3	1.2	1.4	1	<1
VOC (mg/L)	ND	ND	ND	ND	ND	ND

N

LEGEND:

PROPERTY BOUNDARY

MW-1DR GROUNDWATER MONITORING WELL

NA NO ANALYSIS

ND NOT DETECTED

VOCs SUM OF DETECTED VOC CONCENTRATIONS

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FIGURE 6
TRI-COUNTY LANDFILL
KANE COUNTY, ILLINOIS
JUNE 2007
SPIDER MAP INTERMEDIATE HYDROSTATIGRAPHIC UNIT

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XREF Files: tc_prop IMAGE Files:

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	147	165	148	189	268	28.4
DO (mg/L)	1.38	0.38	1.72	2.48	22.92	1.82
TOC (mg/L)	12.9	13	9.8	13.4	13.4	15.1

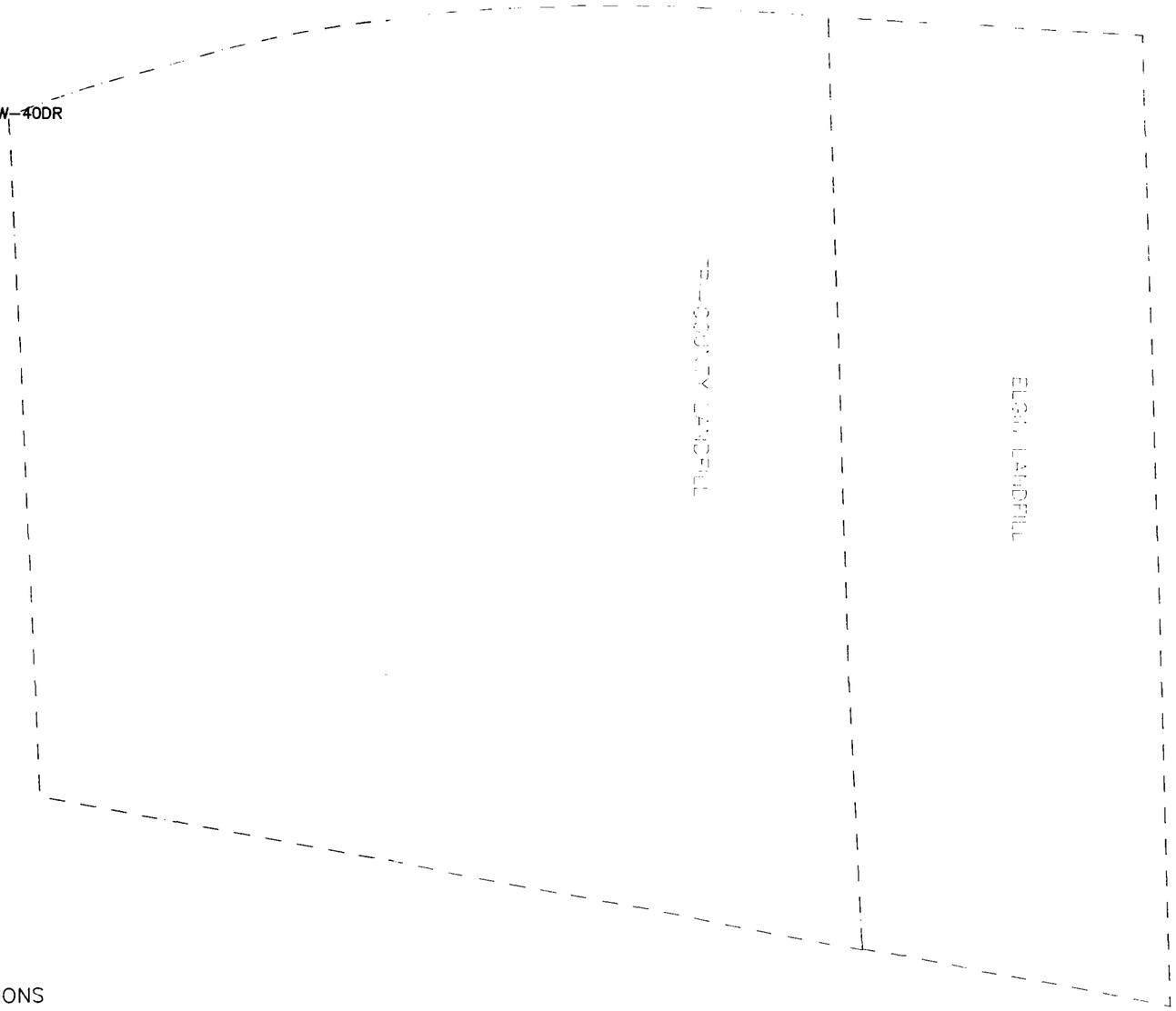
G112

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	481	736	145	887	886	712
DO (mg/L)	1.03	0.34	4.06	0.17	9.99	1.37
TOC (mg/L)	35.6	62.3	40.8	60.2	33.2	27.7
VOC (mg/L)	3	16	14	ND	ND	ND

MW-40DR

MW-1DR

ANALYSIS	2002	2003	2004	2005	2006	2007
CHLORIDE (mg/L)	248	258	330	345	209	124
DO (mg/L)	0.68	0.19	0.3	0.21	14.12	2.1
TOC (mg/L)	18.9	18.8	18	20.1	13	3.7
VOC (mg/L)	ND	ND	ND	ND	ND	ND



LEGEND:

PROPERTY BOUNDARY

MW-1DR GROUNDWATER MONITORING WELL

NA NO ANALYSIS

ND NOT DETECTED

VOCs SUM OF DETECTED VOC CONCENTRATIONS

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FIGURE 7
TRI-COUNTY LANDFILL
KANE COUNTY, ILLINOIS
JUNE 2007
SPIDER MAP DEEP
HYDROSTATIGRAPHIC UNIT

File: N:\Proj\Will CSWG\2007-2008\TRI-COUNTY LF - 124941\GW\2007\Task2'07\deep.dwg Layout: Layout1 User: debra thomas Dec 03, 2007 - 3:13pm
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APPENDIX A

TRI-COUNTY LANDFILL
EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604-3590

EXPLANATION OF SIGNIFICANT DIFFERENCES

TRI-COUNTY-ELGIN LANDFILLS SUPERFUND SITE
KANE COUNTY, ILLINOIS

I. Introduction

The Tri-County/Elgin Landfill Superfund Site (TCLF) encompasses both the Tri-County and Elgin Landfills. The site is located in northeastern Illinois on the east side of Kane County near the triple junction of Kane, Cook, and DuPage Counties (see Figure 1). The Tri-County Landfill, an inactive landfill of approximately 46 acres, and the 20-acre Elgin Landfill, which continues to accept landscaping and demolition debris, are located 2/3 of a mile southeast of the Village of South Elgin. The land to the west of the site is occupied by the Woodland Landfill, an active sanitary landfill which has accepted municipal and selected special wastes since 1976.

Response actions at the site are being taken under the authority of the Comprehensive Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) and the National Contingency Plan (NCP). The lead and support regulatory agencies for the TCLF site are the United States Environmental Protection Agency (U.S. EPA) and the Illinois Environmental Protection Agency (IEPA), respectively.

Section 117(c) of CERCLA and Section 300.435(c)(2)(I) of the NCP establish procedures for explaining, documenting, and informing the public of significant changes to the remedy that occur after the Record of Decision (ROD) is signed. An Explanation of Significant Differences (ESD) is required when the remedial action to be taken differs from the remedy selected in the ROD but does not fundamentally alter the scope, performance, or cost of the remedy. Generally, an ESD is prompted when significant new information becomes available during or after the public comment period for the ROD. In the case of the TCLF site, this information was provided in a pre-design investigation report which was developed under an Administrative Order on Consent.

This Explanation of Significant Differences and supporting documents are a part of the Administrative Record file which is available for viewing at the Gail Borden Public Library, Elgin, Illinois, and the U.S. EPA Regional Offices in Chicago, Illinois, during normal business hours. Notice of availability of this ESD and supporting documents will be published in a local newspaper of general circulation. The public is encouraged to review the updated Administrative Record to better understand U.S. EPA's rationale for changing the selected remedy.

II. Site History

The Tri-County Landfill property was part of a gravel mining operation prior to the 1940s. Disposal of solid waste began in April 1968 and continued until December 1976, under a series of disposal permits and owners/operators. The existing landfill cover was installed in early 1981.

The Elgin Landfill property was also the site of a sand and gravel mining business that was operated until the late 1950s. Waste disposal operations began in 1961 with the landfill accepting a variety of residential and commercial wastes, as well as construction and demolition refuse. The property is currently used for disposal of construction and landscaping material. Immediately to the north of the site is a State of Illinois conservation area. Northwest is agricultural land and wetland, and to the south are undeveloped upland and wetland areas.

Most of the residential properties in the vicinity of the site are located in the Village of South Elgin. Other residences, most of which are single-family dwellings, are scattered through the area surrounding the site. Many of the homes and businesses in the area of the site rely on their own private wells to provide drinking water and water for general use. Several businesses operate on the landfill itself, using water from wells that penetrate the landfill. These businesses are currently advised against potable use of their wells.

The Site was placed on the National Priorities List (NPL) of Superfund sites in March 1989. U.S. EPA conducted a Remedial Investigation and Feasibility Study (RIFS) from 1988 to 1992 to define the nature and extent of contamination and evaluate alternatives for Site cleanup. The RI identified contamination in soil, sediment, and ground water, and determined that a primary pathway for the contaminants to migrate off-site is through rain and snowmelt infiltrating through the inadequate landfill cover, leaching contaminants from the landfilled materials, and transporting them to ground water and surface water by surface and subsurface flow. On September 30, 1992, U.S. EPA signed a Record of Decision (ROD) selecting a remedy for the Site with the concurrence of the Illinois Environmental Protection Agency (IEPA).

The major components of the 1992 ROD include:

- excavation and consolidation under the landfill cap of contaminated sediments that exceed background;
- construction of a landfill cover in compliance with Title 35, Illinois Solid and Special Waste Management Regulations, section 807.305 and RCRA Subtitle D cover requirements, as applicable;
- collection, treatment, and disposal of leachate and contaminated groundwater at the landfill perimeter, with natural attenuation of off-site, low-level ground water contamination, to ultimately comply with drinking water or health-based standards in all ground water outside of the waste boundaries;

- active collection and treatment of landfill gases;
- comprehensive monitoring program to ensure the effectiveness of the remedy;
- institutional controls to limit land and groundwater use; and
- provisions for contingency measures to address new information or previously unknown problems, and flexibility on type and timing of the ground water response component.

The estimated present worth of this remedy, as documented in the ROD, is $12,624,000, with the ground water component accounting for $3,000,000 of that cost.

An Administrative Order on Consent (AOC) for remedial design (RD) was signed on February 2, 1994, with two potentially responsible parties (PRP), Waste Management of Illinois, Inc., and Browning Ferris Industries of Illinois, Inc. Under this consent order, the Respondents have conducted and reported to U.S. EPA on a pre-design investigation (PDI), and started the remedial design. The purpose of the PDI was to acquire needed design parameters, determine background levels for soil and sediments, confirm hydrogeologic conditions, determine an appropriate period of attenuation for the off-site ground water, and ensure through sampling that residential wells are not being affected by the Site.

For more details of the RI/FS, ROD, and AOC, please refer to the Administrative Record.

III. Description of and Basis for Significant Differences

During the PDI, the PRPs obtained a significant amount of new data, including installation and sampling of new wells and trenching to better determine the boundaries of the landfill. Where wells from the RI were sampled during the PDI, a comparison of results almost uniformly showed an increase in benzene concentrations for wells within and immediately downgradient of the waste. However, wells installed a short distance further downgradient are either non-detect for benzene (MW-25S, MW-34S, MW-37S, MW-39S, G135) or continue to show concentrations of benzene below the drinking water standards (MW-1S,MW-36S).

RI results at one of the northern wells in the Elgin Landfill showed concentrations for several chlorinated solvents that exceeded Maximum Contaminant Levels (MCL) for drinking water. In 1990, MW-18S showed 33 ug/L vinyl chloride (MCL=2), 180 ug/L 1,2-dichloroethene (MCL=70), 24 ug/L trichloroethene (MCL=5), and 13 ug/L tetrachloroethene (MCL=5). PDI sampling in 1995 found all of these contaminants in MW-18S, but at significantly lower levels. Only vinyl chloride, at 3 ug/L, exceeded the MCL. In addition, these contaminants were found in this area in two new downgradient wells installed during the PDI. Ground water flow is in the direction from MW-18S to MW-34S and MW-36S. MW-34S showed vinyl chloride at 1 ug/L and trichloroethene at 4 ug/L. MW-36S showed trichloroethene at 8 ug/L, and tetrachloroethene at 0.8 ug/L. These results show a marked decrease in the concentrations of these chemicals in the groundwater flow downgradient from the waste.

For a well-by-well comparison, refer to table 4-7 of the RI report, and Table 4-6 of the PDI report in the administrative record.

Arsenic was the major inorganic contaminant of concern during the RI. Comparison with PDI results does not show as distinctive a trend as benzene and the chlorinated solvents. At some locations, results may be higher, lower, or comparable. However, regardless of arsenic concentration at the source, the same downgradient wells uniformly show low concentrations of arsenic, well below drinking water standards. MW-1S has the highest concentration at 19 ug/L. This well is located within an area where surficial materials are contaminated with arsenic, which may be acting as a secondary source of arsenic to MW-1S. The surficial materials will be removed during the remedial action.

The observations for this second "rank" of monitoring wells indicate that natural processes in the surficial aquifer are acting to attenuate the contamination within a short distance from the facility boundary, even though the actual concentrations at the boundary may be higher now than they were in 1989 and 1990. Natural attenuation processes include a combination of biological and chemical breakdown, dilution, and dispersion, and soil retardation. Contaminant reduction to concentrations below drinking water standards is generally occurring despite the lack of an adequate final cover, and ground water and gas collection systems. Ground water monitoring and residential well sampling during the PDI confirm RI findings that none of the downgradient ground water users are currently affected by contamination from the TCLF site.

A computer aided infiltration model performed for the current situation (i.e., an inadequate, poorly graded cover), modeled infiltration through ponded areas and depressions in the current landfill surface. Infiltration rates ranged from 3 to 56 inches per year, depending on the watershed that contributed to the infiltration area. When construction of the cap was assumed, the same model predicted an infiltration for the uniformly covered, well-maintained cap of 0.85 inches per year. This reduction in infiltration will significantly reduce the moisture available to generate leachate in the unsaturated zone, leading to reduced ground water contamination. Contaminant mass balance calculations were performed using data from both the RI and the PDI. The results predict a 60 to 80 percent reduction in off-site contaminant concentrations within the first five years of operation, based on reduced leachate generation associated with cap construction alone.

During the public comment period for the proposed plan, U.S. EPA received comments to the effect that construction of the cap and gas collection system alone would have a beneficial effect on ground water, without requiring installation of an active ground water collection system. At the time, little information was provided to U.S. EPA to support this hypothesis. Because a portion of the waste is located below the water table and available for constant leaching, U.S. EPA wrote in the responsiveness summary to the ROD that active ground water measures were needed. Subsequent to publication of the ROD, U.S. EPA has received a research paper developed by the Wisconsin Department of Natural Resources. The research by WDNR supports the hypothesis that active gas collection has a beneficial effect on ground water contamination by

creating an environment that promotes mass transfer of contaminants from leachate to gas, which is subsequently extracted. Such a process may be of benefit at the Tri-County landfill after the cap and gas collection system are constructed. Subsequent contact with WDNR confirms that they continue to see such effects in data supplied by landfill operators as part of their reporting requirements.

U.S. EPA believes the combined data from the RI and the PDI, supplemented independently by the work of the WDNR, strongly support changing the leachate/ground water collection and treatment remedial component from an "up-front design and construction" element to a contingency element. The flexibility to do so is also provided in the ROD, page 31, paragraph 4, as follows:

> "Furthermore, U.S. EPA may consider replacing the selected component with an alternative remedial ground water component, in the event that U.S. EPA determines, based on pre-design and design investigations and available information, that the selected ground water collection system is not appropriate for site conditions, or that another ground water approach would be equally or more protective than that selected, and is warranted."

The landfill cap will greatly reduce leachate generation in the unsaturated waste mass, leading to substantial reductions in contaminant loading to the ground water. The landfill gas collection system will extract contaminants from the unsaturated waste mass, which may further reduce contaminants available for leaching to ground water and, based on available research, may capture contaminants dissolved in leachate generated by continuous contact with ground water. An additional benefit of the cap alone will be that the local recharge zone of the surficial aquifer will be greatly reduced, which is expected to result in a lowering of the static water table. This will reduce the amount of waste in direct contact with ground water, promoting additional leachate reduction. As the mass of contamination that is available to migrate off-site is reduced through these active containment measures, U.S. EPA expects contaminant concentrations in ground water outside the landfill boundaries to reduce still further. The progress of the natural attenuation shall continue to be tracked through detailed monitoring of both ground water flow and contaminant concentrations in monitoring and residential wells. Leachate concentrations shall also be monitored to determine the effectiveness of the gas extraction system on reducing leachate concentrations.

The ground water/leachate collection and treatment system is retained as a contingency element to address possible future site conditions that include, but are not limited to:

1. failure of natural attenuation to bring to and maintain downgradient concentrations of site-related contaminants below the ground water performance standards set forth in the original ROD; or

2. release of contamination at significantly higher concentrations than previously detected, which is a possible occurrence in any landfill where the precise contents were not historically documented and for which such documentation is beyond the scope of a typical CERCLA remedial investigation.

It shall be U.S. EPA's responsibility, acting in consultation with IEPA, to determine if and when the ground water/leachate collection and treatment system must be installed. The scope of any future work shall be consistent with the nature and extent of the release. Such a determination will compare the long-term ground water monitoring results with chemical-specific ARARs specified in the ROD, taking into account temporal trends in contaminant concentration and ground water flow. In addition, U.S. EPA will consider the nature of land use in areas downgradient of the site that may be affected by any future release. At a minimum, U.S. EPA will document its findings with respect to the effectiveness of the changed remedy with each five-year review, as required by Section 121(c) of CERCLA. However, if conditions warrant it, U.S. EPA may exercise the contingency at any time before or after a five year interval.

Should it be necessary to implement a ground water containment system, the performance standards for the system, as specified in the ROD, shall be:

- Prevent migration of contaminated ground water to nearby low-lying areas;
- Prevent migration of contaminated ground water to surface waters;
- Prevent migration of contaminated ground water to soils;
- Prevent migration of contaminated ground water from beneath the landfill to off-site ground water; and
- Prevent migration of contaminated ground water from the shallow to the intermediate aquifer.

The significance of a change in the remedy determines how U.S. EPA must document and communicate that change to the public. U.S. EPA has determined in this case that the change is significant, but not fundamental. None of the actual components of the remedy are being changed, and the applicable or relevant and appropriate requirements (ARARs) and performance standards of the original remedy remain in effect. The only difference between the ROD and the changes detailed in this ESD are of timing and emphasis. U.S. EPA is changing the ground water/leachate component of the remedy to a contingency because new data, when combined with RI results, suggest this change will be effective in cleaning up the site. U.S. EPA considers this revised approach to ground water remediation to be equally protective of human health and the environment to the approach selected in the original ROD, and warranted by the potential cost savings.

IV Support Agency Comments

The Illinois Environmental Protection Agency (IEPA) supports the change. IEPA's position is that the chemical-specific ARARs established in the ROD must be achieved at the landfill boundary (edge of the cap) by the time of the first 5 year review.

V. Affirmation of Statutory Determinations

Considering the new information that has been developed and the changes that have been made to the selected remedy, the statutory determinations made in the ROD are still valid for the ESD. None of the ROD components have been altered, merely the emphasis and timing.

Richard C Karl for
William E. Muno, Director
Superfund Division

6-25-96
Date

APPENDIX B

TRI-COUNTY LANDFILL
FIELD INFORMATION FORMS
JUNE 2007

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TRI

Sample Point: G112 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers per with the cooler that is returned to the laboratory.

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
061907	8:15	40		17	

Note: For Passive Sampling replace Water Vol in Casing and Well Vols Purged w/ Water Vol in Infiltration Cell and Infiltration Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N

Filter Device: Y or (N) 0.45 u or ____ u (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC): N/A (ft msl)

Depth to Water (DTW) (from TOC): 37.59 (ft)

Groundwater Elevation (site datum, from TOC): N/A (ft msl)

Total Well Depth (from TOC): 109.64 (ft)

Stick Up (from ground elevation): 2.00 (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp (°C/°F) µm 6/9	Turbidity (ntu)	D.O (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
8:20		6.63	1378	589	164	358	-84.9	37.98
8:25		6.86	1415	580	985	163	-115.5	38.09
8:30		7.03	1428	570	154	194	-127.9	38.11
8:35		7.08	1447	567	130	187	-131.0	38.07
8:40		7.10	1455	563	891	184	-133.2	38.07
8:45		7.09	1460	560	787	181	-133.9	38.08
8:50		7.12	1463	561	754	182	-134.4	38.08
:								
:								
:								
Suggested range for 3 consec. readings (or note Permit/State requirements)		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C/°F) µm 6/9	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
061907	7.12	1463	561	754	182	-134.4	0.86

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: N/A Odor: None Color: None Other: TURB -> Low

Weather Conditions (required daily, or as conditions change): Direction/Speed: S-10 W Outlook: Sunny/75° Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MetTic Bwellelev. N/A ft msl

FIELD COMMENTS

-Low Flow SAMPLED- DTW Low Stick: 37.59 ft

Low Flow purge with pump. STABILIZED w/ 17.6 GAL REMOVED

10 gals per cycle. Took parameters every 100 ML.

Final DTW: 38.73 at 14:00 on 6/18/07 SAMPLED AT 8:55

Sample Time: Took 10 min to collect sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/19/07	M. Mueller	M. Mueller	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRS-COUNTY

Site No.: TRS

Sample Point: 6135 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Forms is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLS PURGED
06/26/07	1300	2K		1.0	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or (N)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC): 759.16 (ft/msl)

Depth to Water (DTW) (from TOC): 21.76 (ft)

Groundwater Elevation (site datum, from TOC): 737.46 (ft/msl)

Total Well Depth (from TOC): 28.38 (ft)

Stick Up (from ground elevation): 0.71 (ft)

Casing ID: 4 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	DO (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1st 13:05		7.14	971	5.47	3.35	5.32	-296	21.75
2nd 13:10		7.04	976	5.15	1.19	4.83	-161	21.76
3rd 13:15		7.00	981	5.12	1.05	3.99	-152	21.77
4th 13:20		6.98	987	5.10	0.99	3.97	-149	21.77
Suggested range for 3 consec. readings or none Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, State, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
06/26/07	6.98	987	5.10	0.99	3.97	-149	0.02 mg/L

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A — Odor: None — Color: Clear — Other: TURB -> Low

Weather Conditions (required daily, or as conditions change): Direction/Speed: C-S W — Outlook: Sunny/80°C — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MPTIC — Pump Elev: 730.78 Pt/msl

-Low Flow Sampled- — MW Land Surf: 20.99 ft

Low flow purged until parameters stabilized w/ 1.0 Gal removed.

Rocks prevent tock perm. every 100 gals.

Ensemble Mw -> 22.22 at 13:30 on 6/18/07 — Sampler at 13:25

Ref Meas: — Tock is meant to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/26/07	M. Mueller	M. Mueller	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRC COUNTY

Site No.: [illegible]

Sample Point: MW25 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory.)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062607	1130	45		20	

Note: For Passive Sampling replace 'Water Vol in Casing' and 'Well Vols Purged' w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated [Y] or (N)

Purging Device: B

Sampling Device: B

A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other

Filter Device: [Y] or (N) [0.45 u] or [ ] u (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC): 749.22 (ft msl)

Depth to Water (DTW) (from TOC): 12.44 (ft)

Groundwater Elevation (site datum, from TOC): 736.81 (ft msl)

Total Well Depth (from TOC): 15.28 (ft)

Stick Up (from ground elevation): 3.23 (ft)

Casing ID: 2 (in)

Casing Material: SS

Note: Total Well Depth, Stick Up, Casing Id, etc are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:35	1st	7.33	910	55.2	876	12.02	-65.0	12.46
11:40	2nd	7.34	903	53.7	610	3.34	-50.4	12.47
11:45	3rd	7.31	898	52.1	481	3.24	-42.0	12.46
11:50	4th	7.33	902	52.2	267	3.07	-38.5	12.47
11:55		7.38	902	52.4	137	3.00	-32.7	12.46
12:00		7.41	902	52.4	83.1	3.05	-31.4	12.46
12:05		7.44	900	52.1	81.1	3.01	-31.0	12.47
12:10		7.43	899	52.1	79.2	2.98	-31.2	12.47
:								
:								
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
062607	7.43	899	52.1	79.2	2.98	-31.2	0.09

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: N/A Odor: NONE Color: NONE Other: TURBID-LGW

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: SUNNY 85° Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MPTIC Bruchelev 7.53.94 [illegible]

— LOW FLOW SAMPLED — MTW LOW SURF 9.18 [illegible]

LOW FLOW PURGED 200 mls per min. UNTIL PARAM STABILIZED w/ 2.0 GALS REMOVED.

TOOK PARAM. EVERY 1000 mls.

INITIAL DTW = 12.33 AT 11:28 on 6/18/07 SAMPLED AT 12:15

Hot Mon. [illegible] NEW Mons. TOOK 10 MIN. TO SAMPLE.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

6.25.07 M. MUELLER [signature] FTN

Date | Name | Signature | Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TRI Sample Point: MW1S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062507	900	56		225	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated Y or N

Purging Device B — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device B

X-Other

Filter Device: Y or N — 0.45 µ or ___ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC): 741.14 (ft/msl) Depth to Water (DTW) (from TOC): 4.70 (ft) Groundwater Elevation (site datum, from TOC): 736.44 (ft/msl)

Total Well Depth (from TOC): 10.66 (ft) Stick Up (from ground elevation): 1.95 (ft) Casing ID: 2 (in) Casing Material: S.S.

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D.O (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
9:05	1st	7.15	1154	67.0	128.0	2.58	-108.7	4.71
9:10	2nd	7.54	1108	63.7	82.5	3.09	-127.0	4.97
9:15	3rd	7.28	1100	63.2	49.7	2.48	-121.0	4.89
9:20	4th	7.28	1100	61.3	18.0	2.43	-119.5	4.90
9:25		7.31	1095	61.5	22.55	2.38	-119.4	4.99
9:30		7.30	1091	59.4	11.4	2.36	-118.5	4.91
9:35		7.31	1088	59.3	28.7	2.34	-118.2	4.90
9:40		7.33	1085	59.1	25.3	2.34	-117.9	4.89
9:45		7.30	1082	59.1	24.6	2.33	-117.7	4.90
:								
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
062507	7.36	1082	59.1	24.6	2.33	-117.7	0.31

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A Odor: NONE Color: NONE Other: THRU → LOW

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: Sunny/80° Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): MF HC BW Velov. 730.48 ft/msl

-LOW FLOW SAMPLED- DTW LOWER 2.75 ft

LOW FLOW PURGED 200 mls per MIN. UNTIL PARAM. STABILIZED w/ 2.25 GALS REMOVED

TOOK PARAM. FLEET 1000 mls

INITIAL DTW - 4.66 AT 11:38 on 6/18/07 SAMPLED AT 9:50

[illegible] TOOK 10 MIN TO SAMPLE

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/25/07	M. MUELLER	M. Mueller	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R. 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI-COUNTY

Site No.: 1 8 5

Sample Point: M W 1 I R 2 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Forms are submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use: Date/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
06 26 07	1015	46		175	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N

Filter Device: Y or (N) 0.45 u or ____ u (circle or fill in)

Purging Device: C — A Submersible Pump, B Peristaltic Pump, C QED Bladder Pump, D Bailer, E Piston Pump, F Dipper/Bottle

Sampling Device: C

X Other

Filter Type: A In-line Disposable, B Pressure, C Vacuum, X Other

Sample Tube Type: A Teflon, B Stainless Steel, C PVC, D Polypropylene, X Other

WELL DATA

*Well Elevation (at TOC): 7413.6 (ft msl)

Depth to Water (DTW) (from TOC): 14.30 (ft)

Groundwater Elevation (site datum, from TOC): 727.66 (ft msl)

*Total Well Depth (from TOC): 52.08 (ft)

*Stick Up (from ground elevation): 1.56 (ft)

Casing ID: 2 (in)

Casing Material: S.S.

Note: Total Well Depth, Stick Up, Casing Id etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	DO (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:00		1st 7.60	1st 695	561	639	3.91	-134.3	15.62
11:05		2nd 7.61	2nd 681	565	2.12	2.63	-135.7	15.59
11:10		3rd 7.64	3rd 691	550	5.82	2.50	-139.4	16.61
11:15		4th 7.59	4th 692	547	4.45	2.45	-147.8	16.50
11:20		7.63	689	547	3.63	2.48	-145.2	16.52
11:25		7.67	685	548	4.14	2.50	-144.9	16.52
11:30		7.66	686	547	3.84	2.52	-144.2	16.53
Suggested range for 3 consec. readings or more Permit/State requirements		+/- 0.2	+/- 3%	-	-	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
06 26 07	7.66	686	547	3.84	2.52	-144.2	0.30

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A Odor: NONE Color: NONE Other: TURB -> LOW

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: Sunny 80° Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MPETIC Bore Hole Elev 689.22 +/- [illegible]

- LOW FLOW SAMPLED - DTW to screen 12.74 ft

LOW FLOW PURGED USING PARAM. STABILIZER W/ 1.75 GNs REMOVED.

100 mL per cycle. TOOK PARAM. EVERY 100 mls.

FINAL DTW = 14.02 AT 11:35 on 6/28/07 SAMPLED AT 11:35

*REF NOTES. TOOK 17 MIN TO SAMPLE

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6 26 07	M. MUELLER	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TRI

Sample Point: MW1I1 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the Laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062007	840	35		15	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Device: Y or (N) — 0.45 µ or ___ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
74097 (ft/msl)	1580 (ft)	725.17 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
3428 (ft)	180 (ft)	2 (in)	SS

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp (°F) MW 6/20	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
8:45	1st	6.93	791	55.8	2.21	3.10	-102.6	16.85
8:50	2nd	7.07	774	54.7	0.33	2.80	-122.9	16.45
8:55	3rd	7.22	780	54.0	0.65	2.50	-130.0	16.48
9:00	4th	7.27	792	54.3	0.65	2.51	-130.2	16.44
9:05		7.30	790	54.4	0.42	2.47	-130.5	16.47
9:10		7.33	801	54.4	0.05	2.52	-131.1	16.47
:								
:								
:								
:								
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°F) MW 6/20	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units IRON
062007	733	801	544	0.05	2.52	-131.1	0.04

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)*

FIELD COMMENTS

Sample Appearance: N/A — Odor: NONE — Color: NONE — Other: TURB -> LOW

Weather Conditions (required daily, or as conditions change): Direction/Speed: C-SW — Outlook: Sunny 75° — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MRTC — Bwellelev. 706.69 ft/msl

-LOWFLOW SAMPLED- — DTW LOWPOINT 14.00 ft

LOWFLOW PURGED UNTIL PARAM. STABILIZED W/ 1.5 GALS REMOVED.

100 mls per circle. Took PARAM. EVERY 1000 mls.

INITIAL DTW -> 16.17 AT 11:42 on 6/18/07 — SAMPLED AT 9:15

*Ref. Meas. — TOOK 15 MIN. TO SAMPLE

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/20/07	M MUELLER	M Mueller	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI-COUNTY

Site No.: TRI Sample Point: MW1DR (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only-Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062007	950	40	/	175	/

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or (N) Filter Device: Y or (N) 0.45 µ or ___ µ (circle or fill in)

Purging Device: C A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Type: / A-In-line Disposable B-Pressure C-Vacuum X-Other

Sample Tube Type: / A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other

WELL DATA

*Well Elevation (at TOC): N/A (ft/msl) Depth to Water (DTW) (from TOC): 1610 (ft) Groundwater Elevation (site datum, from TOC): N/A (ft/msl)

*Total Well Depth (from TOC): 8556 (ft) *Stick Up (from ground elevation): 210 (ft) Casing ID: 2 (in) Casing Material: S.S.

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°F)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
9:55	1st	7.62	1.110	56.9	0.27	3.16	-179.9	1626
10:00	2nd	7.63	925	55.2	0.58	2.61	-163.6	1622
10:05	3rd	7.60	889	55.3	0.38	2.10	-162.8	1625
10:10	4th	7.53	867	55.3	0.31	2.00	-159.8	1624
10:15		7.52	866	54.6	0.35	1.97	-155.3	1624
10:20		7.50	862	54.3	0.35	2.00	-154.5	1624
10:25		7.49	860	54.2	0.29	2.10	-154.1	1625
:								
:								
:								
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP (°F)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units IRON
062007	749	860	542	0.29	2.10	-154.1	0.25

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: N/A Odor: NONE Color: NONE Other: TURB -> LOW

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: Sunny 75° Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MULTI Bu[illegible] N/A [illegible]

-LOW FLOW SAMPLED- [illegible] 14.00 [illegible]

LOW FLOW PURGED UNTIL PARAM. STABILIZED W/ 1.75 GALS REMOVED.

100 mls per cycle TOOK PARAM. EVERY 1000 mls.

INITIAL DTW -> 15.27 AT 11:31 on 6/20/07 SAMPLED AT 10:30

* Ref Meas. TOOK 15 MIN TO SAMPLE

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/20/07	M. MUELLER	[signature]	EATT
/ /			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRICOUNTY

Site No: TR1 Sample Point: MW13IR (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the Laboratory).

Laboratory Use Only Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062107	1000	30		125	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or (N)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Device: Y or (N) 0.45 µ or ___ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC): 757.60* (ft msl)

Depth to Water (DTW) (from TOC): 26.00 (ft)

Groundwater Elevation (site datum, from TOC): 731.60 (ft msl)

Total Well Depth (from TOC): 37.05* (ft)

Stick Up (from ground elevation): 0.42* (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp ~~(°C)~~ °F 6/21	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:05	1st	6.91	1510	57.6	5.22	16.51	-50.1	26.03
10:10	2nd	6.94	1400	56.3	5.72	15.00	-58.3	26.03
10:15	3rd	6.95	1320	56.8	9.72	14.90	-61.9	26.03
10:20	4th	6.94	1304	56.5	5.84	14.80	-71.0	26.03
10:25		6.95	1297	56.8	5.12	14.65	-76.2	26.03
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Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	-		+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. ~~(°C)~~ °F 6/21	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units IRON
062107	6.95	1299	56.8	5.12	14.65	-76.2	0.60

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turb → low

Weather Conditions (required daily, or as conditions change): Direction/Speed: (0-5) W Outlook: 75° cloudy Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): mp=tic Bwell elev → 720.55 ft/msl

Low Flow Sampled DTW from Land Surf → 25.5

Low Flow purged 100 mls per cycle until parameters stabalized with 1.25 gallons removed

Took parameters every 1000 mls

Initial DTW → 28.71 ft @ 957 on 6/21/07

* = ref meas sampled @ 1050 25 min to sample

certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/21/07	N. Fey	[signature]	SMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TRI Sample Point: MW06S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062107	750	30		125	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or (N) Filter Device: Y or (N) 0.45 u or ___ u (circle or fill in)

Purging Device: C A-Submersible Pump D-Bailer B-Peristaltic Pump E-Piston Pump C-QED Bladder Pump F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Type: / A-In-line Disposable C-Vacuum B-Pressure X-Other

Sample Tube Type: / A-Teflon C-PVC X-Other B-Stainless Steel D-Polypropylene

WELL DATA

Well Elevation (at TOC): 74396* (ft/msl) Depth to Water (DTW) (from TOC): 553 (ft) Groundwater Elevation (site datum, from TOC): 73843 (ft/msl)

Total Well Depth (from TOC): 1470* (ft) Stick Up (from ground elevation): 240* (ft) Casing ID: 2 (in) Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. ~~°C~~ °F NF 6/21	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
7:55	1st	6.46	1821	55.2	27.1	13.21	-28.5	5.55
8:00	2nd	6.53	1784	55.4	16.2	11.82	-75.6	5.55
8:05	3rd	6.57	1770	54.4	9.33	10.10	-80.6	5.56
8:10	4th	6.57	1774	53.4	7.43	10.81	-87.2	5.55
8:15		6.58	1777	53.9	6.82	10.95	-95.7	5.55
:								
:								
:								
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:								
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. ~~°C~~ °F NF 6/21	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units: IRON
062107	658	1777	539	6.82	10.85	-95.7	061

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turb → low

Weather Conditions (required daily, or as conditions change): Direction/Speed: 6-5W Outlook: 75° cloudy Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): mp-tic Bwellelev → 729.26 ft/msl

-Low Flow Sampled- DTW from Landsurf → 3.13 ft

Low flow purged 100mls per cycle until parameters stabalized with 1.25 gallons removed

Took parameters every 1000mls

Initial DTW → 6.06 ft @ 11:51 on 6/18/07

*refmeas sampled @ 820 25 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6 21 07	N Fey	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TR1 Sample Point: FB (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the Laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs/min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated Y or N — Filter Device: Y or N (0.45 in or ___ in (circle or fill in))

Purging Device: A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: X-Other

Filter Type: A-In line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC) (ft msl) — Depth to Water (DTW) (from TOC) (ft) — Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) — Stick Up (from ground elevation) (ft) — Casing ID (in) — Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st		1st					
	2nd		2nd					
	3rd		3rd					
	4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ___ Units ___

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A — Odor: none — Color: none — Other: Turb ≫ low

Weather Conditions (required daily, or as conditions change): Direction/Speed: (0-5) W — Outlook: 80° Sunny — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Field Blank

FB Taken @ MW12IR @ NF 6/19

See FIF for MW12IR for Info

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6-19-07	N. Fey	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TR1 Sample Point: DUP (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs.min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing, Flow Cell and Tubing, Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated [Y] or [N] Filter Device: [Y] or [N] [0.45 u] or [ ] u (circle or fill in)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ] X-Other [ ]

Filter Type: [ ] A-In-line Disposable B-Pressure C-Vacuum X-Other [ ]

Sample Tube Type [ ] A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other [ ]

WELL DATA

Well Elevation (at TOC) [ ] (ft msl) Depth to Water (DTW) (from TOC) [ ] (ft) Groundwater Elevation (site datum, from TOC) [ ] (ft msl)

Total Well Depth (from TOC) [ ] (ft) Stick Up (from ground elevation) [ ] (ft) Casing ID [ ] (in) Casing Material [ ]

Note: Total Well Depth, Stick Up, Casing Id, etc are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
:	1st	.	1st	.	.	.	.	.
:	2nd	.	2nd	.	.	.	.	.
:	3rd	.	3rd	.	.	.	.	.
:	4th	.	4th	.	.	.	.	.
:		.		.	.	.	.	.
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Suggested range for 3 consec. readings or note Permit/State requirements		± 0.2	± 3%	±	±	± 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). *These fields can be used where four (4) field measurements are required by State/Permit Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turbid → low

Weather Conditions (required daily, or as conditions change): Direction/Speed: (0-5) W Outlook: 80° Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

- Duplicate -

Dup taken @ MW12R - See FIF for info

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/19/07	N. Fey	[signature]	STI

DISTRIBUTION: WHITE-ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

p1 of 2

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: FR1 Sample Point: MW12IR (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs/min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
061907	1320	105		30	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated: Y or N

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: [illegible]

X-Other: _____

Filter Device: Y or N — 0.45 u or _____ u (circle or fill in)

Filter Type: / — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other: _____

Sample Tube Type: / — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC): 75728 (ft msl)

Depth to Water (DTW) (from TOC): 2499 (ft)

Groundwater Elevation (site datum, from TOC): 73229 (ft/msl)

Total Well Depth (from TOC): 5223 (ft)

Stick Up (from ground elevation): 191 (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp ~~(°C)~~ °F NE 6/19	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1325	1st	6.62	1879	63.4	41.5	3.27	-106.8	27.40
1330	2nd	6.71	1626	56.5	35.2	6.08	-98.5	28.33
1335	3rd	6.72	1537	57.2	23.0	5.98	-98.4	28.92
1340	4th	6.75	1426	57.4	23.7	4.11	-89.3	29.70
1345		6.90	1374	57.5	19.7	4.06	-83.6	30.15
1350		6.91	1367	57.0	15.2	3.99	-75.4	30.58
1355		6.87	1354	57.4	13.3	3.86	-75.6	31.22
1400		6.80	1371	57.4	12.2	3.58	-69.8	31.79
1405		6.94	1374	57.7	11.0	3.95	-76.5	32.40
1410		6.93	1378	55.5	10.0	4.11	-69.9	32.71
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. ~~(°C)~~ °F NE 6/19	TURBIDITY (ntu)	DO (mg/L-ppm)	eH ORP (mV)	Other: FERROUS Units IRON
061907	689	1371	557	277	431	-736	033

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

FIELD COMMENTS

Sample Appearance: N/A — Odor: none — Color: none — Other: Turb => low

Weather Conditions (required daily, or as conditions change): Direction/Speed: (0-5) W — Outlook: 80° sunny — Precipitation: Y or N

Specific Comments (including purge well volume calculations if required): mp=tic — Bwell elev => 705.05 ft/msl

- Low flow sampled - DTW from land surf => 23.08 ft

Low Flow purged 100 mls per cycle until parameters stabilized with 3.0 gallons removed

Took parameters every 1000 mls

Initial DTW => 25.00 @ 11:19 on 6-18-07 — Took FB + Dup here

*=ref meas — sampled @ 1425 — 50 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign).

Date	Name	Signature	Company
6-19-07	N. Fey	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

p2 of 2

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TRI Sample Point: MW12IR (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLS PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated Y or N Filter Device: Y or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: ____ A-Submersible Pump B-Peristaltic Pump C-OED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: ____

X-Other: ____

Filter Type: ____ A-In-line Disposable B-Pressure C-Vacuum X-Other ____

Sample Tube Type: ____ A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other ____

WELL DATA

Well Elevation (at TOC) ____ (ft msl) Depth to Water (DTW) (from TOC) ____ (ft) Groundwater Elevation (site datum, from TOC) ____ (ft msl)

Total Well Depth (from TOC) ____ (ft) Stick Up (from ground elevation) ____ (ft) Casing ID ____ (in) Casing Material ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp ~~°C~~ F NT 6/19	Turbidity (ntu)	DO (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1415	1st	6.90	1372	55.5	2.84	4.05	-74.7	32.95
1420	2nd	6.89	1371	55.7	2.77	4.31	-73.6	33.10
	3rd							
	4th							
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25 C)	TEMP. ~~°C~~ F NT 6/19	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
061907	6.89	1371	55.7	2.77	4.31	-73.6	

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

FIELD COMMENTS

Sample Appearance: ____ Odor: ____ Color: ____ Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed ____ Outlook ____ Precipitation Y or N

Specific Comments (including purge, well volume calculations if required): ____

Page 2 of 2 - parameters cont'd see other F/F for All info

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6-19-07	N. Fey	[signature]	EMT

DISTRIBUTION: WHITE ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12-00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TR1 Sample Point: MW12'S R (Sample ID)

This Waste Management Field Information Form is Required. This form is to be completed in addition to any State Forms. The Field Forms submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the coolers) are returned to the laboratory.

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs.min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
061907	1125	35		15	

Note: For Passive Sampling, replace Water Vol in Casing and Well Vols Purged w/ Water Vol in Tubing/flow Cell and Tubing/flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N

Filter Device: Y or (N) 0.45 u or ____ u (circle or fill in)

Purging Device: C — A Submersible Pump, B Peristaltic Pump, C QED Bladder Pump, D Bailer, E Piston Pump, F Dipper/Bottle, X Other

Sampling Device: C

Filter Type: A In-line Disposable, B Pressure, C Vacuum, X Other

Sample Tube Type: A Teflon, B Stainless Steel, C PVC, D Polypropylene, X Other

WELL DATA

Well Elevation (at TOC): 757.37 (ft. msl)

Depth to Water (DTW) (from TOC): 19.51 (ft)

Groundwater Elevation (site datum, from TOC): 737.86 (ft msl)

Total Well Depth (from TOC): 24.48 / 52.25 (ft) 6/19

Stick Up (from ground elevation): 1.98 / 1.94 (ft) 6/19

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp (°C)/(°F) 6/19	Turbidity (ntu)	D.O. (mg/L ppm)	eH/ORP (mV)	DTW (ft)
1130	1st	6.68	629	51.8	15.0	16.2	40.7	19.53
1135	2nd	6.86	579	49.1	2.81	10.90	-15.5	19.55
1140	3rd	6.93	582	48.3	1.39	8.67	-25.9	19.53
1145	4th	6.99	582	48.9	2.26	8.14	-42.1	19.53
1150		7.00	579	49.2	1.38	8.05	-54.1	19.53
1155		7.07	578	50.1	1.35	7.98	-60.2	19.53
:								
:								
:								
:								
Suggested range for Consecutive readings or none Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)/(°F)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
061907	7.07	578	50.1	1.35	7.98	-60.2	0.31

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site

Sample Appearance: N/A Odor: none Color: none Other: Turb → low

Weather Conditions (required daily, or as conditions change): Direction/Speed (0-5) W Outlook: 80° Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): mp=tic Bwelleleu => 732.99

- Low Flow Sampled - DTW from land: 17.86 ft

Low Flow purged 1 com. per cycle until parameters stabilized with 15 gallons removed

Took parameter every 5 mins

Total DTW => 19.56 ft @ 1125 on 6.18.07 TOOK MS/MSD here

x-c Fmeas sampled @ 1200 75 purge sample

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6-19-07	N. Fry		SWT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TRI Sample Point: MS1/5D1 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated [Y] or [N] Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ]

Filter Type: [ ] A-In-line Disposable B-Pressure C-Vacuum X-Other

X-Other [ ] Sample Tube Type [ ] A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other

WELL DATA

Well Elevation (at TOC) [ ] (ft/msl) Depth to Water (DTW) (from TOC) [ ] (ft) Groundwater Elevation (site datum, from TOC) [ ] (ft/msl)

Total Well Depth (from TOC) [ ] (ft) Stick Up (from ground elevation) [ ] (ft) Casing ID [ ] (in) Casing Material [ ]

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st		1st					
	2nd		2nd					
	3rd		3rd					
	4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turb Slow

Weather Conditions (required daily, or as conditions change): Direction/Speed: (0-5) W Outlook: 80° Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): up = tr

MS1/5D1

MS1/3D1 Taken @ MW12 $R - See FIF for all info

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/19/07	N. Fey	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TRI Sample Point: MW38S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062507	1355	35		15	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment: Dedicated Y or N Filter Device: Y or N 0.45 µ or ___ µ (circle or fill in)

Purging Device: B A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: B

X-Other

Filter Type: A-In-line Disposable B-Pressure C-Vacuum X-Other

Sample Tube Type: A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other

WELL DATA

Well Elevation (at TOC): 75502 (ft/msl) Depth to Water (DTW) (from TOC): 1222 (ft) Groundwater Elevation (site datum, from TOC): 74280 (ft/msl)

Total Well Depth (from TOC): 1715 (ft) Stick Up (from ground elevation): 233 (ft) Casing ID: 2 (in) Casing Material: SS.

Note: Total Well Depth, Stick Up, Casing Id, etc are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°F) MW 6/25	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
14:00	1st	7.44	775	57.3	55.8	4.40	-5.0	12.30
14:05	2nd	7.46	742	54.5	22.2	4.00	-23.8	12.34
14:10	3rd	7.39	727	54.4	9.52	3.37	-14.2	12.31
14:15	4th	7.40	729	54.5	8.08	3.31	-16.9	12.30
14:20		7.42	733	54.1	7.02	3.27	-17.4	12.32
14:25		7.42	735	54.0	7.05	3.28	-17.9	12.31
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

STABILIZATION DATA

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°F) MW 6/25	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
062507	7.42	735	54.0	7.05	3.28	-17.9	0.04

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: N/A Odor: NONE Color: NONE Other: TURB -> LOW

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: Sunny 90° Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): MPETIC Pwe Relev: 737.87 ft/msl

-LOW FLOW SAMPLED- PEWLOWSURE: 9.89 ft

LOW FLOW PURGED 200 mls per MIN UNTIL PARAM. STABILIZED w/ 1.5 GALS REMOVED.

TOOK PARAM EVERY 1000 mls

INITIAL DTW -> 12 SI AT 12:32 on 6/18/07 SAMPLED AT 14:30

Rot Meas. NEW Meas. TOOK 17 MIN. TO SAMPLE

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/25/07	M. MUELLER	M. Mueller	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R. 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: [illegible] COUNTY

Site No.: [illegible] Sample Point: MW[illegible] (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Forms submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs.min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
06 25 07	12 45	2		1.25	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment - Dedicated [Y] or [N]

Purging Device [P] — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device [P]

X-Other

Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) [7573.4] (ft/msl)

Depth to Water (DTW) (from TOC) [19.44] (ft)

Groundwater Elevation (site datum, from TOC) [7537.96] (ft/msl)

Total Well Depth (from TOC) [28.22] (ft)

Stick Up (from ground elevation) [2.70] (ft)

Casing ID [2] (in)

Casing Material [PVC]

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp (°F)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
12:50	1st	6.86	1632	58.2	14.1	4.58	114	19.48
12:55	2nd	6.91	1601	56.8	11.5	3.32	128	19.52
13:00	3rd	6.94	1559	55.9	9.37	3.34	76	19.57
13:05	4th	6.97	1550	55.7	8.4	3.31	72	19.59
13:10		6.96	1547	55.6	8.1	3.29	71	19.60
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP (°F)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units IRON
06 25 07	6.96	1547	55.6	8.1	3.29	71	0.01

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: N/A Odor: NONE Color: NONE Other: TURB -> LOW

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: Sunny 90° Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MATIC Pressure: 729.12 ft/msl

-LOW FLOW SAMPLED- DTW before sample: 16.74 ft.

LOW FLOW PURGED, 200 mL/min VARIABLE PUMP. STABILIZED W/ 1.25 GALS REMOVED

TOOK PHOTO EVERY 1000 mls.

[illegible] 6/18/07 SAMPLED AT 13:15

[illegible] New Mex. TOOK 17 MIN. TO SAMPLE

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/25/07	M. MUELLER	[signature]	EMI

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TRI

Sample Point: MW104 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Forms is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only/Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062507	1500	1515		25	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated [Y] or [N]

Purging Device [B] — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device [B]

X-Other: _____

Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC): 756.64 (ft/msl)

Depth to Water (DTW) (from TOC): 14.75 (ft)

Groundwater Elevation (site datum, from TOC): 741.89 (ft/msl)

Total Well Depth (from TOC): 20.85 (ft)

Stick Up (from ground elevation): 2.30 (ft)

Casing ID: 2 (in)

Casing Material: SS.

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
15:05		1st 7.56	1st 711	55.7	352.0	4.74	-5.8	15.03
15:10		2nd 7.58	2nd 701	55.4	192.0	4.93	-10.1	15.25
15:15		3rd 7.58	3rd 650	55.3	197.0	4.91	-12.2	15.38
15:20		4th 7.60	4th 604	54.2	117.6	5.83	-17.8	15.49
15:25		7.69	591	54.7	91.0	4.57	-19.4	15.59
15:30		7.65	587	54.6	88.0	4.77	-24.5	15.66
15:35		7.74	583	54.6	107.0	4.72	-27.8	15.70
15:40		7.78	583	54.5	111.3	4.74	-28.3	15.76
15:45		7.75	581	54.3	101.0	4.75	-29.1	15.81
15:50		7.75	583	54.4	91.2	4.74	-30.0	15.84
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	-	-	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
062507	7.75	583	54.4	9.12	4.74	-30.0	0.11

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)*

FIELD COMMENTS

Sample Appearance: N/A Odor: NONE Color: BROWN Other: TURB-2 NTU/HIGH

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: Sunny 90° Precipitation: Y or [N]

Specific Comments (including purge/well volume calculations if required): MP-TOC Elevation 735.79 ft/msl

-LOW FLOW SAMPLED- DTW below SURF: 12.49 ft

LOW-FLOW PURGED: 200 mls PER MIN. UNTIL PARAM. STABILIZED w/ 2.5 GALS REMOVED.

TOOK PARAM. EVERY 1000 mls. - TURBIDITY WOULD NOT STABILIZE + DROP BELOW 10 NTU'S -

INITIAL DTW - 14.46 AT 13:08 ON 6/18/07 SAMPLED AT 15:55

BELLINGE [F] / NEW MOON TOOK 17 MIN. TO SAMPLE.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/25/07	M MUELLER	M Mueller	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI-COUNTY

Site No.: TRI

Sample Point: MW2ER

Sample ID

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Forms is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is turned in to the Laboratory.)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
061907	1330	30		125	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Device: Y or (N) — 0.45 u or ____ u (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC): 7591.5 (ft msl)

Depth to Water (DTW) (from TOC): 27.47 (ft)

Groundwater Elevation (site datum, from TOC): 731.68 (ft msl)

Total Well Depth (from TOC): 50.17 (ft)

Stick Up (from ground elevation): 2.41 (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

START DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°F)	Turbidity (ntu)	D.O. (mg/L ppm)	eH/ORP (mV)	DTW (ft)
13:35	1st	7.31	401	58.6	410	385	-132.7	28.93
13:40	2nd	7.24	329	56.8	393	196	-112.6	30.20
13:45	3rd	7.30	322	56.8	479	160	-97.0	30.97
13:50	4th	7.29	321	56.1	536	159	-90.8	31.75
13:55		7.31	322	56.2	630	161	-93.6	32.13
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°F)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
061907	7.31	322	56.2	630	1.61	-93.6	0.66

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)*

FIELD COMMENTS

Sample Appearance: N/A — Odor: NONE — Color: NONE — Other: TURB-Low

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W — Outlook: Sunny 85° — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MPTIC — Bwellcal 708.98 ft msl

-LOW FLOW SAMPLED- — DTW low-SURF 25.06 ft

LOW FLOW PURGED WELL PARAM. STABILIZED W/ 125 GALS REMOVED

100 mL passive Tech. PARAM. EVERY 1000 mls

INITIAL DTW = 27.96 at 14:18 on 6/18/07 — SAMPLED AT 14:00

Post Header — Took 18 MIN. TO SAMPLE

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/18/07	M. MUELLER	M. Mueller	EMI

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TRT Sample Point: MW46DR (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Forms submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only (Lab ID)

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs.min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
06 19 07	1205	15		25	

Note: For Low-Flow Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or (N)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bailer

Sampling Device: C

X-Other

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC): 7577.43 (ft msl)

Depth to Water (DTW) (from TOC): 36.26 (ft)

Groundwater Elevation (site datum, from TOC): 7272.13 (ft msl)

Total Well Depth (from TOC): 108.02 (ft)

Stick Up (from ground elevation): 2.10 (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C/°F) µw 6/19	Turbidity (ntu)	D.O (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
12:10		7.18	2825	568	308	1.26	-163.5	32.33
12:15		6.82	3745	556	244	204	-139.8	34.45
12:20		6.99	2092	553	839	170	-151.5	37.28
12:25		7.00	1854	547	792	172	-158.0	39.50
12:30		7.01	1960	555	224	210	-157.9	40.95
12:35		7.00	2055	550	171	175	-158.9	43.35
12:40		6.98	2191	552	102	140	-159.4	44.00
12:45		7.00	2210	550	993	143	-159.9	44.77
12:50		6.98	2222	55.1	987	140	-159.7	45.95
12:55		6.97	2240	55.1	990	137	-160.2	46.12
Suggested range for 3 consec. readings or more Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C/°F) µw 6/19	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
06 19 07	6.97	2240	55.1	990	1.37	-160.2	0.37

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

Sample Appearance: N/A Odor: NONE Color: LT. TAN Other: TURB-> LOW

Weather Conditions (required daily or as conditions change): Direction/Speed: 0-5 mi Outlook: Sunny 85° Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MFTIC Bucket: 6494 ml ml/min

FIELD COMMENTS

-Low Flow SAMPLED- Water Surface 28.16 ft

Low-Flow Purge: Water Parms Stabilized w/ 25 Gals Removed

100 mls per min. Took param. every 100 mls

Initial DTW: 30.06 at 11:15 on 6/19/07 SAMPLED AT 8:00

* Ref. Meas. Took 17 Min. to Sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/19/07	M. Fuller	M Mueller	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI-COUNTY

Site No: TR-1 Sample Point: MW15IR (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Forms are submitted along with the Chain of Custody Forms that accompany the sample containers (or with the cooler that is returned to the laboratory).

Laboratory Use Only Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
06/19/07	1622	4		26	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N

Purging Device: C — A: Submersible Pump, B: Peristaltic Pump, C: QED Bladder Pump, D: Bailer, E: Piston Pump, F: Dipper/Bottle, X: Other

Sampling Device: C

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: A: In-line Disposable, B: Pressure, C: Vacuum, X: Other

Sample Tube Type: A: Teflon, B: Stainless Steel, C: PVC, D: Polypropylene, X: Other

WELL DATA

★Well Elevation (at TOC): 746.87 (ft msl)

Depth to Water (DTW) (from TOC): 16.66 (ft)

Groundwater Elevation (site datum, from TOC): 730.87 (ft msl)

★Total Well Depth (from TOC): 38.17 (ft)

★Stick Up (from ground elevation): 1.10 (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by State/Permit. Well Elevation, DTW and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:30	1st	6.68	543	559	308	5.99	-104.3	18.21
10:35	2nd	6.92	401	538	259	1.92	-115.6	18.90
10:40	3rd	7.14	462	540	243	1.90	-122.0	18.80
10:45	4th	7.27	561	543	144	1.44	-129.9	18.50
10:50		7.33	585	538	118	1.65	-133.4	18.45
10:55		7.35	603	539	784	1.60	-136.4	18.40
11:00		7.37	611	540	498	1.58	-137.3	18.39
11:05		7.37	614	541	410	1.55	-138.1	18.40
⋮								
Suggested range for 3 consec. readings or more Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
06/19/07	7.32	614	541	410	1.55	-138.1	0.33

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

FIELD COMMENTS

Sample Appearance: N/A Odor: NONE Color: NONE Other: TURBIDITY LOW

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: Sunny/80 Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MPTC Pump Intake 708.70 M/msl

-LOW FLOW SAMPLE- STATIC WATER SURF 14.9 ft

LOW FLOW PURGE WITH PARAM SURFACE w/ 2 x GALS REMOVED - DUP TAKEN HERE -

Ice was present. Took parm. early. Accum.

DUPLICATE ID: MW64 AT 1430 on 6/18/07 SAMPLER: MJG

Pos Loc Took 10 min. to stabilize

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign).

Date	Name	Signature	Company
6/19/07	M. MUELLER	M Mueller	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample; YELLOW - Returned to Client; PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRE COUNTY

Site No.: TR-15

Sample Point: DUP

Sample ID

This Waste Management Field Information Form is Required

This form is to be completed in addition to any State Forms. The Field Forms submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs.min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated [Y] or [N]

Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ]

X-Other

Filter Type: A-In-line Disposable B-Pressure C-Vacuum X-Other

Sample Tube Type A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other

WELL DATA

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Stick Up (from ground elevation) (ft)

Casing ID (in)

Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D.O. (mg/L ppm)	eH/ORP (mV)	DTW (ft)
:		1st	1st					
:		2nd	2nd					
:		3rd	3rd					
:		4th	4th					
:								
:								
:								
:								
:								
:								
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: N/A Odor NONE Color NONE Other TURB->LOW

Weather Conditions (required daily, or as conditions change): Direction, Speed C-SW Outlook Sunny/80° Precipitation Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

-DUPLICATE-

DUP TAKEN AT WELL MW5 TR @ 11:15

PLEASE USE FOR NI TAKE

TRUE TO WELL TO'S NAME.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/19/02	M. MOELLER	M. Moeller	EMI

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TRE Sample Point: G142 Sample ID

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
061907	810	30	—	125	—

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or (N) Filter Device: Y or (N) 0.45 µ or ___ µ (circle or fill in)

Purging Device: C A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Type: ✓ A-In-line Disposable B-Pressure C-Vacuum X-Other

Sample Tube Type: ✓ A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other

WELL DATA

Well Elevation (at TOC): 758.49* (ft/msl) Depth to Water (DTW) (from TOC): 24.31 (ft) Groundwater Elevation (site datum, from TOC): 734.18 (ft/msl)

Total Well Depth (from TOC): 34.99* (ft) Stick Up (from ground elevation): 1.80* (ft) Casing ID: 4 (in) Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp ~~(°C)~~ °F NF 6/19	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
8:15	1st	6.80	3157	60.0	2.09	2.11	95.5	24.70
8:20	2nd	6.85	3085	56.5	3.11	1.70	91.4	24.72
8:25	3rd	6.91	2095	56.1	1.96	1.60	88.7	24.68
8:30	4th	6.96	2071	56.3	1.85	1.50	80.1	24.69
8:35		6.97	2063	56.3	1.45	1.49	72.2	24.78
:								
:								
:								
:								
:								
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. ~~(°C)~~ °F NF 6/19	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units IRON
061907	6.97	2063	56.3	1.45	1.49	72.2	0.21

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turb > 7 low

Weather Conditions (required daily, or as conditions change): Direction/Speed: (0-5) W Outlook: 70° sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): mp=tic Bwell elev ⇒ 723.50 ft/msl

- Low Flow sampled DTW from land surf ⇒ 22.51 ft

Low Flow purged 100 mls per cycle until parameters stabilized with 1.25 gallons removed

Took parameters every 1000 mls

Initial DTW ⇒ 24.09 @ 1411 on 6.18.07 FB Poured here

* refer to sampled @ 840 16 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6.19.07	N. Fey	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R. 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TR1 Sample Point: FB

Sample ID

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hh:mm)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ "Water Vol in Tubing/Flow Cell" and "Tubing/Flow Cell Vols Purged". Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purge and Sampling Equipment Dedicated [Y] or [N]

Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Filter Type: A-In-line Disposable B-Pressure C-Vacuum X-Other

Sampling Device [ ]

X-Other

Sample Tube Type A-Teflon B-Stainless Steel C-PVC D-Polypropylene X Other

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
(ft msl)	(ft)	(ft msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
(ft)	(ft)	(in)	

Note: Total Well Depth, Stick Up, Casing Id, etc are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Range/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp (°C)	Turbidity (ntu)	DO (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st		1st					
	2nd		2nd					
	3rd		3rd					
	4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements		+- 0.2	+- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). *These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site

Sample Appearance: N/A Odor none Color none Other: Turb → low

Weather Conditions (required daily, or as conditions change): Direction/Speed: (a-s) Outlook 70° Sunny Precipitation Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

- Field Blank -

FB poured @ 6142 @ 840

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6-19-07	DiFey		EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: R 1 | Sample Point: MW5SR (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
061907	920	55		25	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ "Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged". Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment: Dedicated (Y) or (N)

Filter Device: Y or (N) 0.45 u or ___ u (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-OED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Type: — A-In line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC): 748.17* (ft msl) | Depth to Water (DTW) (from TOC): 10.44 (ft) | Groundwater Elevation (site datum, from TOC): 737.73 (ft msl)

Total Well Depth (from TOC): 23.00* (ft) | Stick Up (from ground elevation): 1.65* (ft) | Casing ID: 2 (in) | Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C) F NF 6/19	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
9:25	1st	7.04	1149	56.9	2.1	29.2	2.1	10.45
9:30	2nd	7.06	888	54.9	0.03	15.9	-22.1	10.41
9:35	3rd	7.03	816	54.9	0.90	10.80	-45.9	10.45
9:40	4th	7.07	787	55.2	0.51	9.88	-55.9	10.49
9:45		7.10	781	54.8	0.67	8.16	-68.1	10.49
9:50		7.15	771	54.9	0.69	7.96	-74.9	10.52
9:55		7.17	751	54.9	0.78	7.99	-88.8	10.46
10:00		7.21	747	54.9	0.59	8.15	-91.2	10.48
10:05		7.22	739	54.9	0.65	8.36	-93.1	10.45
10:10		7.20	735	55.1	0.69	9.15	-95.5	10.45
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C) F NF 6/19	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units: IRON
061907	7.20	735	55.1	0.69	9.15	-95.5	0.25

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

FIELD COMMENTS

Sample Appearance: N/A | Odor: none | Color: none | Other: Turb >> low

Weather Conditions (required daily, or as conditions change): Direction/Speed (0-5) W | Outlook: 75° sunny | Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): mp = tic | Bwell elev >> 725.17 ft/msl

-Low Flow Sampled- | DTW from land surf >> 8.79 ft

Low Flow Purged 100 mls per cycle until parameters stabilized with 2.5 gallons removed

Took parameters every 1000 mls

Initial DTW >> 11.21 ft @ 1145 on 6/18/07 | Took MSI/SDI here

* - refmeas | sampled @ 1015 | 50 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6-19-07	N. Fey	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TR1 Sample Point: MS1/SD1 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory.)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated Y or N

Filter Device: Y or N 0.45 u or ___ u (circle or fill in)

Purging Device: A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A-In line Disposable, B-Pressure, C-Vacuum, X-Other

Sampling Device:

X-Other:

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID (in) Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D O (mg/L-ppm)	eH/ORP (mV)	DTW (ft)
	1st		1st					
	2nd		2nd					
	3rd		3rd					
	4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ___ Units ___

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turb >> low

Weather Conditions (required daily, or as conditions change): Direction/Speed (0-5) W Outlook: 75° sunny Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

MS1 + SD1

Taken @ MW5 & R - see tif or details

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/19/07	N. Fey	[signature]	GMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/06

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No: 681 Sample Point: MW10E (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory.)

Laboratory Use Only: Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062007	1800	135		45	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N

Purging Device: C — A Submersible Pump, B Peristaltic Pump, C QED Bladder Pump, D Bailer, E Piston Pump, F Dipper/Bottle

Sampling Device: C

X Other:

Filter Device: Y or (N) 0.45 µ or ___ µ (Particle or Micron)

Filter Type: ✓ — A In-line Disposable, B Pressure, C Vacuum, X Other

Sample Tube Type: ✓ — A Teflon, B Stainless Steel, C PVC, D Polypropylene, X Other

WELL DATA

Well Elevation (at TOC): 756.12 (ft msl)

Depth to Water (DTW) (from TOC): 24.03 (ft)

Groundwater Elevation (site datum, from TOC): 732.09 (ft msl)

Total Well Depth (from TOC): 55.78* (ft)

Stick Up (from ground elevation): 1.80* (ft)

Casing ID: 2 (in)

Casing Material: S.S.

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional/and can be from historical data, unless required by Site/Permit. Well Elevation, DTW and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C) °F NF 6/20	Turbidity (ntu)	D.O (mg/L ppm)	eH/ORP (mV)	DTW (ft)
8:05	1st	6.50	677	56.4	582	30.35	110.0	25.07
8:10	2nd	6.64	655	53.7	1018	30.16	111.7	25.20
8:15	3rd	6.73	651	52.8	1380	18.20	105.1	25.21
8:20	4th	6.74	650	53.0	111.1	10.95	90.2	25.18
8:25		6.86	644	53.8	77.2	8.95	70.1	25.10
8:30		6.91	650	53.6	50.9	7.26	59.6	25.12
8:35		6.98	651	53.7	24.7	7.15	59.4	25.10
8:40		6.99	652	53.1	25.0	6.91	59.1	25.06
8:45		7.03	652	53.5	23.2	6.90	57.0	25.05
8:50		7.04	652	54.6	19.6	6.87	58.1	25.05
Suggested range for 3 consec. readings or note Permit State requirements		± .02	± .3%	..	..	± 10%	± 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C) °F NF 6/20	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS IRON Units
062007	7.01	632	53.2	20.1	6.08	64.0	0.15

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

FIELD COMMENTS

Sample Appearance: N/A Odor: None Color: None Other: Turb=>low

Weather Conditions (required daily, or as conditions change): Direction/Speed: (0-5) W Outlook: 85° Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): up-hill Bottom Well => 700.34 ft msl

— Low Flow Sampled — DTW from Ground Surface => 22.23 ft

Low flow purged 100ml per cycle until parameters stabilized w/45 gallons removed

Took parameters every 100 mls — Decreased discharge to effect turbidity — conductivity

Initial DTW => 24.98 ft @ 1300 on 6/18/07 turbidity to under 100 NTU's plot 2

* refer to Mr. Took Before Here sampled @ 935 20 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/20/07	[illegible]	[illegible]	EMT
6/20/07	[illegible]	[illegible]	EMT

DISTRIBUTION: WHITE ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TriCounty

Site No.: TR1 Sample Point: MW10I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the Laboratory)

Laboratory Use Only/Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated Y or N — Filter Device: Y or N (0.45 u or ___ u (circle or fill in))

Purging Device: A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: X-Other

Filter Type: A-In line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC) (ft/msl) — Depth to Water (DTW) (from TOC) (ft) — Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) — Stick Up (from ground elevation) (ft) — Casing ID (in) — Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp ~~(°C)~~ °F 6/20	Turbidity (ntu)	D.O. (mg/L ppm)	eH/ORP (mV)	DTW (ft)
8:55	1st	7.01	644	528	18.3	7.01	51.3	25.10
9:00	2nd	7.04	644	53.1	15.1	6.59	60.2	25.10
9:05	3rd	7.10	641	53.1	14.9	6.29	62.8	25.05
9:10	4th	7.15	640	53.0	13.2	6.15	61.9	25.10
9:15		7.21	645	53.2	12.4	6.00	78.2	25.06
9:20		7.02	644	33.6	14.4	5.85	64.0	25.07
9:25		7.00	641	53.1	17.0	6.00	58.2	25.05
9:30		7.01	632	53.2	20.1	6.08	54.0	25.10
:		.		.	.	.	.	.
:		.		.	.	.	.	.
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ___ Units ___

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)*

Sample Appearance: _____ Odor: _____ Color: _____ Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed _____ Outlook: _____ Precipitation Y or N

Specific Comments (including purge/well volume calculations if required): _____

FIELD COMMENTS

P2 of 2 See other F/F for all info

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6-20-07	N. Fey	[signature]	EMT
6-20-07	Joe Parkhurst	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R. 12/00

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: Tr. County

Site No.: TR1 Sample Point: DUP2 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated Y or N

Filter Device: Y or N 0.45 µ or ____ µ (circle or fill in)

Purging Device ____ A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device ____

X-Other ____

Filter Type: ____ A-In-line Disposable B-Pressure C-Vacuum X-Other ____

Sample Tube Type ____ A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other ____

WELL DATA

Well Elevation (at TOC) ____ (ft/msl) Depth to Water (DTW) (from TOC) ____ (ft) Groundwater Elevation (site datum, from TOC) ____ (ft/msl)

Total Well Depth (from TOC) ____ (ft) Stick Up (from ground elevation) ____ (ft) Casing ID ____ (in) Casing Material ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D.O (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st		1st					
	2nd		2nd					
	3rd		3rd					
	4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turbidity

Weather Conditions (required daily, or as conditions change): Direction/Speed ____ Outlook: 85° sunny Precipitation Y or N

Specific Comments (including purge/well volume calculations if required): ____

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign).

Date	Name	Signature	Company
6/20/07	N. Fay	[signature]	EMT
6/20/07	Joe Pennings	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TRT

Sample Point: MW39I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLS PURGED
06 20 07	1125	25		10	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Inlet/Flow Cell and Inlet/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or (N)

Filter Device: Y or (N) 0.45 u or ____ u (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: ____

Filter Type: ✓ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: ✓ — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other ____

WELL DATA

Well Elevation (at TOC): 7391 (ft msl)

Depth to Water (DTW) (from TOC): 1427 (ft)

Groundwater Elevation (site datum, from TOC): 7246 (ft msl)

Total Well Depth (from TOC): 3305 (ft)

Stick Up (from ground elevation): 1.8 (ft)

Casing ID: 2 (in)

Casing Material: SS

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp °C (NF 6/20)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1130		1st 7.67	1st 900	556	1.83	12.32	82.8	14.46
1135		2nd 7.38	2nd 869	53.4	5.72	10.91	82.8	14.58
1140		3rd 7.31	3rd 864	52.2	6.37	9.56	81.0	14.48
1145		4th 7.29	4th 870	51.9	6.25	9.48	72.6	14.48
Suggested range for 3 consec. readings or note Permit/Site requirements		+/- 0.2	+/- 3%	+/-	+/-	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. °C (NF 6/20)	TURBIDITY (ntu)	DO (mg/L ppm)	eH/ORP (mV)	Other: Ferrous Iron (Units)
06 20 07	7.28	870	51.9	6.25	9.48	72.6	0.00

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

Sample Appearance: N/A

Odor: none

Color: none

Other: Turb = low

Weather Conditions (required daily, or as conditions change):

Direction/Speed: (0-5) W

Outlook: 85° sunny

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): MP-tic

Bottle elev => 705.96 ft msl

- Low Flow Sampled -

DTW from Land Surf => 12.46 ft

FIELD COMMENTS

Low flow purged, 100 ml per cycle until parameters stabilized with 10 gallons removed

Took parameters every 100 ml

Initial DTW => 14.11 ft @ 1317 on 6/8/07

* = estimate

sampled @ 1150

17 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/20/07	N Frey		EMT
6/20/07	Joe Parsons		EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No: TR1 Sample Point: FB01 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Forms submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ "Water Vol in Tubing/Flow Cell" and "Tubing/Flow Cell Vols Purged". Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated [Y] or [N] Filter Device: [Y] or [N] [0.45 u] or [ ] u (circle or fill in)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ]

X-Other

Filter Type: A-In line Disposable B-Pressure C-Vacuum X-Other

Sample Tube Type A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other

WELL DATA

Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID (in) Casing Material

Note: Total Well Depth, stick Up, Casing Id, etc are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	DO (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
:		1st		1st						
:		2nd		2nd						
:		3rd		3rd						
:		4th		4th						
:										
:										
:										
:										
:										
Suggested range for consecutive readings or note Permit/State requirements			+/- 0.2		+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L ppm)	eH/ORP (mV)	Other: Units

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: N/A Odor: None Color: None Other: Turb Slow

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 Outlook: 85 Sunny Precipitation: Y or (N)

Specific Comments (including purge, well volume calculations if required):

FIELD COMMENTS

Field Blank

FB01 Taken @ 0910 EST @ 935

I certify that sampling procedures were in accordance with applicable EPA, State, and ~~WM protocols (If more~~ than one sampler, all should sign)

Date	Name	Signature	Company
6-20-07	D Fey		EMT
6-20-07	J E Williams		EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TR1 Sample Point: MW25R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062007	1016	30		125	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N

Purging Device: ✓ A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: ✓

X-Other

Filter Device: Y or (N) 0.45 µ or ___ µ (circle or fill in)

Filter Type: ✓ A-In-line Disposable B-Pressure C-Vacuum X-Other

Sample Tube Type: ✓ A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other

WELL DATA

Well Elevation (at TOC): 75926* (ft/msl) Depth to Water (DTW) (from TOC): 2094 (ft) Groundwater Elevation (site datum, from TOC): 73832 (ft/msl)

Total Well Depth (from TOC): 2625* (ft) Stick Up (from ground elevation): 245* (ft) Casing ID: 2 (in) Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp ~~(°C)~~ °F NF 6/20	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:15	1st	7.23	1733	66.3	7.44	30.16	136.5	21.18
10:20	2nd	6.91	1638	56.0	10.14	11.70	124.8	21.20
10:25	3rd	6.94	1611	55.2	5.30	9.85	112.8	21.44
10:30	4th	6.85	1605	54.6	6.28	8.12	102.0	21.59
10:35		6.85	1596	54.3	6.89	7.95	92.7	21.80
:								
:								
:								
:								
:								
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. ~~(°C)~~ °F NF 6/20	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units IRON
062007	685	1596	543	6.89	7.95	92.7	0.02

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turb → low

Weather Conditions (required daily, or as conditions change): Direction/Speed: (0-5) W Outlook: 85° Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): mp=tic Bwell elev → 733.01 ft/msl

- Low Flow Sampled - DTW from Landsurf → 18.49 ft

Low flow purged 100 mls per cycle until parameters stabilized with 1.25 gallons removed

Took parameters every 1000 mls

Initial DTW → 21.56" @ 1420 on 6/18/07 Took DUP 2 here

* = ref meas sampled @ 1040 35 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/30/07	N. Fey	[signature]	SMT
6/30/07	Joe [illegible]	[signature]	CMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TRI Sample Point: MW39S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062607	1305	100		2.75	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated (Y) or N Filter Device: Y or (N) 0.45 μ or ____ μ (circle or fill in)

Purging Device: C A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: C

X-Other

Filter Type: / A-In line Disposable B-Pressure C-Vacuum X-Other

Sample Tube Type: / A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other

WELL DATA

Well Elevation (at TOC): 739.45* (ft/msl) Depth to Water (DTW) (from TOC): 6.29 (ft) Groundwater Elevation (site datum, from TOC): 733.16 (ft/msl)

Total Well Depth (from TOC): 15.73* (ft) Stick Up (from ground elevation): 2.00* (ft) Casing ID: 2 (in) Casing Material: SS

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

DATA (Optional) — STABILIZATION

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25°C)	Temp. ~~(°C)~~ °F NF 6/20	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
13:10	1st	7.26	900	54.8	182.0	26.70	412	6.38
13:15	2nd	7.24	866	53.1	122.0	18.21	423	6.30
13:20	3rd	7.07	860	53.3	86.4	16.20	37.5	6.33
13:25	4th	7.12	862	53.3	66.9	15.81	416	6.33
13:30		7.00	867	52.9	47.4	14.25	415	6.33
13:35		7.12	860	52.4	25.6	14.38	462	6.34
13:40		7.11	861	52.1	19.1	13.90	502	6.35
13:45		7.09	862	52.8	11.0	12.56	513	6.35
13:50		7.09	862	52.7	9.8	12.49	526	6.35
13:55		7.08	862	52.3	8.6	12.40	529	6.35
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (μmhos/cm @ 25°C)	TEMP. ~~(°C)~~ °F NF 6/20	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units IRON
062007	7.08	866	52.6	7.9	12.30	529	0.00

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site)*

FIELD COMMENTS

Sample Appearance: N/A Odor: None Color: none Other: Turb > low

Weather Conditions (required daily, or as conditions change): Direction/Speed (0-5)W Outlook 85° sunny Precipitation Y or (N)

Specific Comments (including purge/well volume calculations if required): mp-tic Bwellelev => 723.72 ft/msl

-Low Flow sampled- DTW from Landsurf => 4.29 ft

Low flow purged 100mls per cycle until parameters stabilized with 2.75 gallons removed

Took parameters every 1000mls

Initial DTW => 6.33 ft @ 1318 on 6/18/07 P1 of 2

* refmeas Sampled @ 1405 20 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/20/07	N. Fey	[signature]	EMT
6/20/07	Jul Thomas	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tr. County

Site No.: TR1 Sample Point: MW34S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated Y or N

Purging Device: A-Submersible Pump, B-Peristaltic Pump, C-OED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device:

X-Other:

Filter Device: Y or N 0.45 µ or ___ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID (in) Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. ~~(°C)~~ °F NF 6/20	Turbidity (ntu)	D O (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1400	1st	7.08	860	52.6	7.9	12.30	52.9	6.36
	2nd							
	3rd							
	4th							
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Odor: Color: Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

P 2 of 2

See other FIF for Info

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (If more than one sampler, all should sign):

Date	Name	Signature	Company
6 20 07	N Fey	[signature]	EMT
6 20 07	Jr Thomas	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: TRI Sample Point: MW06I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
062107	NF 6/21 855	35		15	

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated: Y or N

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: _____

Filter Device: Y or N — 0.45 µ or _____ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other _____

WELL DATA

Well Elevation (at TOC): 7439.4* (ft/msl) Depth to Water (DTW) (from TOC): 1475 (ft) Groundwater Elevation (site datum, from TOC): 729.19 (ft/msl)

Total Well Depth (from TOC): 3853* (ft) Stick Up (from ground elevation): 240* (ft) Casing ID: 2 (in) Casing Material: SS.

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp ~~(°C)~~ °F NF 6/21	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
9:00	1st	6.77	1377	54.1	21.3	21.26	-90.1	14.90
9:05	2nd	6.78	1294	52.8	21.5	16.26	-92.7	14.95
9:10	3rd	6.83	1333	54.4	17.1	15.91	-90.4	14.95
9:15	4th	6.82	1402	54.2	9.54	15.80	-85.2	14.99
9:20		6.85	1429	53.8	9.80	15.72	-87.0	15.03
9:25		6.88	1436	53.8	9.12	15.52	-91.2	15.07
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. ~~(°C)~~ °F NF 6/21	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: FERROUS Units: IRON
062107	6.88	1436	53.8	9.12	15.52	-91.2	0.77

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A Odor: none Color: none Other: Turb => low

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5W Outlook: 75°C cloudy Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): mp=tic Bwell elev => 705.41 ft/msl

Low Flow Sampled DTW from Land Surf => 12.35 ft

Low Flow purged 100 mls per cycle until parameters stabilized with 1.5 gallons removed

Took parameters every 1000 mls

Initial DTW => 14.52 ft @ 11.53 on 6/18/07

* = ref meas sampled @ 930 17 min to sample

fy that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/21/07	NFey	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Tri County

Site No.: T R T

Sample Point: PW22 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory.)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs.min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated [Y] or [N]

Filter Device: [Y] or [N] [0.45 u] or [ ] u (circle or fill in)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ]

X-Other [ ]

Filter Type: [ ] A-In-line Disposable B-Pressure C-Vacuum X-Other [ ]

Sample Tube Type: [ ] A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other [ ]

WELL DATA

Well Elevation (at TOC) [ ] (ft msl)

Depth to Water (DTW) (from TOC) [ ] (ft)

Groundwater Elevation (site datum, from TOC) [ ] (ft-msl)

Total Well Depth (from TOC) [ ] (ft)

Stick Up (from ground elevation) [ ] (ft)

Casing ID [ ] (in)

Casing Material [ ]

Note: Total Well Depth, Stick Up, Casing Id, etc are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		1st	1st					
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance [ ] Odor [ ] Color [ ] Other [ ]

Weather Conditions (required daily, or as conditions change): Direction/Speed 0-5(-) Outlook 70° cloudy Precipitation Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

- Private Well -
PW22 should be taken at ARC Disposal.
ARC Disposal is an abandoned building
- unable to collect sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign).

Date	Name	Signature	Company
6/21/04	Joe Parsons	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI County

Site No.: TRI

Sample Point: PW07 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated: Y or N

Filter Device: Y or N — 0.45 µ or ___ µ (circle or fill in)

Purging Device: ✓ — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: F

X-Other

Filter Type: ✓ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: ✓ — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC) (ft/msl) — Depth to Water (DTW) (from TOC) (ft) — Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) — Stick Up (from ground elevation) (ft) — Casing ID (in) — Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st	7.18	2179	803	3.44	20	-937	
	2nd							
	3rd							
	4th							
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Ferrous Units: IRON
06 21 07	7.18	2179	803	3.44	20	-937	0.00

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: N/A — Odor: None — Color: None — Other: Turb→low

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5(W) — Outlook: 70° Sunny — Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): ~~MP~~

- Private Well -

Located in Side of bathroom at office at woodland.

Sampled @ 11:30

- took 10 min to sample

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6 21 07	Joe Parsons	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI County

Site No.: TRI Sample Point: PW23 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated Y or N Filter Device: Y or N 0.45 µ or ___ µ (circle or fill in)

Purging Device: A-Submersible Pump, B-Peristaltic Pump, C-OED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: F

X-Other

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID (in) Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st	7.41	1564	68.6	5.73	1.68	-330	
	2nd							
	3rd							
	4th							
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Ferrous Iron Units
062107	7.41	1564	68.6	5.73	1.68	-330	0.00

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A Odor: None Color: None Other: Turb → low

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 (W) Outlook: 75° Sunny Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

- Private Well -

Hose Mounted to wall in Repair Bay

Sampled @ 11:45

- took 10 min to Sample

Certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/21/07	Joe Pawlowski	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI County

Site No.: TRI Sample Point: PW09 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory.)

Laboratory Use Only/Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated: Y or (N) Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: / A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: F X-Other

Filter Type: / A-In-line Disposable B-Pressure C-Vacuum X Other

Sample Tube Type: / A-Teflon B-Stainless Steel C-PVC D-Polypropylene X Other

WELL DATA

Well Elevation (at TOC) ____ (ft/msl) Depth to Water (DTW) (from TOC) ____ (ft) Groundwater Elevation (site datum, from TOC) ____ (ft/msl)

Total Well Depth (from TOC) ____ (ft) Stick Up (from ground elevation) ____ (ft) Casing ID ____ (in) Casing Material ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st	764	945	648	326	12	575	
	2nd							
	3rd							
	4th							
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%			+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other Ferrous Iron Units
06 21 07	764	945	648	326	12	575	0.00

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: N/A Odor: None Color: None Other: Turbs low

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5(W) Outlook: 75° Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

-Private Well-

Located in bathroom next to Blakroom @ Elgin Chicago STONE Across from landfill.

Sampled @ 12:00

took 10 min to Sample

Certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
6/21/07	Joe Parsons	[signature]	EMT

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI-COUNTY

Site No.: KRK Sample Point: PZ29 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory.)

Laboratory Use Only Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs.min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLS PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment: Dedicated [Y] or [N]

Purging Device: A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device:

X-Other:

Filter Device: [Y] or [N] [0.45 u] or [ ] u (circle or fill in)

Filter Type: A-In line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other

WELL DATA

★ Well Elevation (at TOC): N/A (ft msl)

Depth to Water (DTW) (from TOC): 14.03 (ft)

Groundwater Elevation (site datum, from TOC): N/A (ft msl)

★ Total Well Depth (from TOC): 16.77 (ft)

★ Stick Up (from ground elevation): 2.05 (ft)

Casing ID: 1.5 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp (°C)	Turbidity (ntu)	D.O. (mg/L, ppm)	eH/ORP (mV)	DTW (ft)
	1st		1st					
	2nd		2nd					
	3rd		3rd					
	4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements		+/- 0.2	+/- 3%	+/-		+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). *These fields can be used where four (4) field measurements are required by State Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos.cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L, ppm)	eH/ORP (mV)	Other: Units

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: — Odor: — Color: — Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: 0-5 W Outlook: Sun Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): MPETIC

-PIEZOMETER-

LEVEL TAKEN AT 12:40 on 6/18/07

for Rob Moore, not taken

M. Mueller

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6/18/07	M. Mueller		

DISTRIBUTION: WHITE ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRI COUNTY

Site No.: TRI

Sample Point: D2B2 (Sample ID)

This Waste Management Field Information Form is Required. This form is to be completed in addition to any State Forms. The Field Forms is submitted along with the Chain of Custody Forms that accompany the sample containers (or with the coolers that are returned to the laboratory).

Laboratory Use Only: Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED

Note: For Passive Sampling replace "Water Vol in Casing" and "Well Vols Purged" to "Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged". Mark changes, record field data below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment Dedicated: [Y] or [N]

Filter Device: [Y] or [N] [0.45 u] or [ ] u (micron or filter #)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ]

X-Other

Filter Type: [ ] A-In-line Disposable B-Pressure C-Vacuum X-Other

Sample Tube Type [ ] A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other:

WELL DATA

Well Elevation (at TOC): N/A (ft msl)

Depth to Water (DTW) (from TOC): 18.69 (ft)

Groundwater Elevation (site datum, from TOC): N/A (ft msl)

Total Well Depth (from TOC): 22.08 (ft)

Stick Up (from ground elevation): 1.51 (ft)

Casing ID: 1.5 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		1st	1st					
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements		+- 0.2	+- 3%	--	--	+- 10%	+- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: Odor: Color: Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: S W Outlook: Sunny 90° Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): MATH Buckhole N/A

PIEZOMETER Initial: 1738

LEVEL TAKEN BY SU on 6/18/07

* PUMP NOT SEEN.

NEW PUMP

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
6-18-07	M. MUELLER	M. Mueller	FMI

DISTRIBUTION: WHITE-ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL 8029WM R 12/00

APPENDIX C

TRI-COUNTY LANDFILL
CHAIN OF CUSTODY FORMS
JUNE 2007

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
M. Mueller	M. Mueller
Site Name:	Spec Request:
[illegible]	AC 70647
Site Location:	Event Name:
South Florida [illegible]	GW WELLS (MW 25S, G135, G112)

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/~~NITRATE~~ ~~PH~~, TSS, TDS (MW 6/11)	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	SULFIDE	TALK					Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL) / INDICATE CONTAINER BY USING KEY BELOW																
	G112	6/19/07	8:55	W	G				1/6				2/1	1/5	1/6					1-LP, 2-8-2P, 2-10[illegible]

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M. Mueller	EMT	6/19/07	17:00				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- SI = Sludge
- MS = Miscellaneous Solids
- OI = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

NO_3 + NO_2 ARE SUBCONTRACTED TO EMT LAB.

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
M. MUELLER	M. Mueller
Site Name: TRI COUNTY	Spec Request: AC 70647
Site Location: SOUTH ELGIN, IL	Event Name: GW WELLS (G135)

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/~~NITRATE~~ ~~PH~~, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	SULFIDE	TALK					Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL) / INDICATE CONTAINER BY USING KEY BELOW																
	G135	6/20/07	13:25	W	G				1/6				2/1	1/5	1/6					[illegible]

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M. Mueller	EMT	6/20/07	17:00				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- SI = Sludge
- MS = Miscellaneous Solids
- OI = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS	Courier:
NO3 + NO2 [illegible]	Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
M. Mueller	M. Mueller
Site Name:	Spec Request:
TRI-COUNTY	AC 70647
Site Location:	Event Name:
SOUTH FLORIDA, IL	GW WELLS (MW25$, 6135, 6112)

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/~~NITRATE~~ ~~PH~~, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	SULFIDE	TALK					Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL) INDICATE CONTAINER BY USING KEY BELOW																
	MW1$	6/25/07	9:50	W	G				1/6				2/1	1/5	1/6					2-8021, 2-40ml, 1-LP
	MW25$	6/25/07	12:15	W	G				1/6				2/1	1/5	1/6					

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M. Mueller	EMT	6/25/07	18 JC				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- Sl = Sludge
- MS = Miscellaneous Solids
- Ol = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

$NO_3 + NO_2$ ARE SUBCONTRACTED TO EMT LAB

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
M. MUELLER	M. Mueller
Site Name:	Spec Request:
TRI-COUNTY	AC 70666
Site Location:	Event Name:
SOUTH ELGIN, IL	GW WELLS (MW1I1, MW1I2)

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA (WMC)	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	SULFIDE	TALK					Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY (OPTIONAL) / INDICATE CONTAINER BY USING KEY (OPTIONAL)																
	MW1I1	6/20/07	9:15	W	G	2/1			1/6				2/1	1/5	1/6					6-40mlv, 1-LP 2-8oz
	MW1I2	6/20/07	11:35	W	G	2/1			1/6				2/1	1/5	1/6					

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M. Mueller	EMT	6/20/07	17:00				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- Sl = Sludge
- MS = Miscellaneous Solids
- Ol = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

NO3 + NO2 ARE SUBCONTRACTED TO EMT

LAP

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Sampler Name (Print)	Signature:
M. Mueller	M. Mueller
Site Name:	**Spec Request:**
TRECHUNG	AC 70668
Site Location:	**Event Name:**
SCHILLER IL	GW WELL (MW 1DR)

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260 VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE ~~PH~~, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	SULFIDE	TALK					Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)																
				INDICATE CONTAINER BY USING KEY BELOW																
	MW1DR	6/20/07				2/1			1/6				2/1	1/<	1/6					6-4oz, 1-4P, 2-40ml

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M Mueller	EXT	6/20/07	17:00				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key	Container Key	Preservation Key
WW = Wastewater	1. Plastic	1. HCl, Cool to 4°
W = Water/Groundwater	2. VOA Vial	2. H_2SO_4, Cool to 4°
S = Solid	3. Sterile Plastic	3. HNO_3, Cool to 4°
Sl = Sludge	4. Amber Glass	4. NaOH, Cool to 4°
MS = Miscellaneous Solids	5. Widemouth Glass	5. NaOH/Zn Acetate, Cool to 4°
Oil = Oil	6. Other	6. Cool to 4°
A = Air		7. None
O = _____		

COMMENTS	Courier:
NO [illegible] ARE SUBCONTRACTED TO EMPIRICAL	Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

Internal Use Only

WASTE MANAGEMENT CHAIN OF CUSTODY

Sampler Name (Print): Nifty
Signature:
Site Name: Tri County
Spec Request: AC 70665
Site Location: South Elgin IL
Event Name: GW well Monitoring of sewi Vrgs

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	~~8260VOA~~ WM, 8260 NF 6/21	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	CL, SO4	SULFIDE	TCN	TALK	WM 8260A	TSS, TDS	Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)																
				INDICATE CONTAINER BY USING KEY BELOW																
	MW06S	6/21/07	820	W	G	2/1	1/3						2/1	1/6	1/5	1/1	1/6	1/6	1/6	1-1LP, 6-40mlV, 2-1LGA,
	MW13IR	6/21/07	1030	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6	1/6	4-8ozP, 1-16ozP

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	EMT	6/21/07	1530				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water/Groundwater
S = Solid
Sl = Sludge
MS = Miscellaneous Solids
Ol = Oil
A = Air
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
NO2 + NO3 subcontracted to EMT

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print): N. Fey
Signature:
Site Name: Tri County
Spec Request: AC 70665
Site Location: South Elgin IL
Event Name: GW Well Monitoring w/Semi VOAs

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA (WMI)	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	Cl, SO4	SULFIDE	TCN	TALK	WMI BNA	TSS, TDS	Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)																
				INDICATE CONTAINER BY USING KEY BELOW																
	MW12IR	6.19.07	1425	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	4/6	1/6	6-40mlv, 2-1LGP, 1-16ozP
	DUP	6.19.07	1425	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6	1/6	4-5ozP, 1-1LP
	FB	6.19.07	1425	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	4/6	1/6	↓ ↓

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	TMI	6.19.07	1700				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water/Groundwater
S = Solid
SI = Sludge
MS = Miscellaneous Solids
OI = Oil
A = Air
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
NO2 + NO3 Subcontracted to CMT
DI H2O provided by STL

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
N. Fey	
Site Name: Tri County	Spec Request: AC 70665
Site Location: South Elgin, IL	Event Name: GW Well Monitoring w/ semivols,

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	Cl, SO4	SULFIDE	TCN	TALK	WM, BOA	TSS, TDS	Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)																
				INDICATE CONTAINER BY USING KEY BELOW																
	MW12SR	6.19.07	1200	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	4/6	1/6	6-40mlv, 2-1LGA, 1-16oz P,
	MS1	6.19.07	1200	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	4/6	1/6	1-8oz P, 1-1LP
	SD1	6.19.07	1200	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	4/6	1/6	↓ ↓

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	TMT	6.19.07	1700				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- Sl = Sludge
- MS = Miscellaneous Solids
- Ol = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

NO2 + NO3 subcontracted to EMT

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
M. Mueller	M. Mueller
Site Name:	Spec Request:
TRI COUNTY	AC 70646
Site Location:	Event Name:
Southfield, MI	GW Well Monitoring

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	~~8260VOA~~ WMT	T-METALS	D-METALS	CHLORIDE/SULFATE/~~NITRATE~~ ~~PH, TSS, TDS~~	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	SULFIDE	TCN	TDS, TSS	TALK			Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL) / INDICATE CONTAINER BY USING KEY BELOW																
	MW41S	6/25/07	13:15	W	G	2/1	1/3		1/6				2/1	1/5	1/4	1/6	1/6			6-40mlv, 1-1602, 4-800
	MW38S	6/25/07	14:30	W	G	2/1	1/3		1/6				2/1	1/5	1/4	1/6	1/6			1-LP
	MW10S	6/25/07	15:55	W	G	2/1	1/3		1/6				2/1	1/5	1/4	1/6	1/6			

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M. Mueller	EMT	6/25/07	18:30				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- Sl = Sludge
- MS = Miscellaneous Solids
- Ol = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

NOA + NO2 SUBCONTRACTED TO EMT LAB

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
M. Morell	M Morell
Site Name:	Spec Request: AC 70646
Site Location:	Event Name: GW WELL MONITORING

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE ~~PH, TSS, TDS~~	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	SULFIDE	TC 2	TSS, TDS	TALK			Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)																
				INDICATE CONTAINER BY USING KEY BELOW																
	MW5IR	6/19/07	11:10	W	G	2/1	1/3		1/6				2/1	1/5	1/4	1/6	1/6			6-40mlv, 1-1liter, 4-8oz
	DUP	6/19/07	11:10	W	G	2/1	1/3		1/6				2/1	1/5	1/4	1/6	1/6			1-LP
	MW40DR	6/19/07	13:00	W	G	2/1	1/3		1/6				2/1	1/5	1/4	1/6	1/6			
	MW2IR	6/19/07	14:00	W	G	2/1	1/3		1/6				2/1	1/5	1/4	1/6	1/6			

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M. Morell	FMT	6/19/07	17:00				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- W = Wastewater
- W = Water/Groundwater
- S = Solid
- SL = Sludge
- MS = Miscellaneous Solids
- OL = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

NO2 + NO3 ARE SUBCONTRACTED TO [illegible] LAB

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
N. Fry	[signature]
Site Name: Tr. County	Spec Request: AC 70646
Site Location: South Elgin IL	Event Name: GW Well Monitoring

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA (NH6/19)	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	CL, SO4	SULFIDE	TCN	TSS, TDS	TALK		Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL) / INDICATE CONTAINER BY USING KEY BELOW																
	G142	6.19.07	NF 6/19 ~~6.19.07~~ 840	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		6-40mlv, 4-9oz P, +1 6oz P
	FB	6.19.07	840	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		1-1LP
	MW5 SR	6.19.07	1015	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		
	MS1	6.19.07	1015	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		
	SD1	6.19.07	1015	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	EMT	6.19.07	1700				

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- SI = Sludge
- MS = Miscellaneous Solids
- OI = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
NO2 + NO3 subcontracted to EMT
FB H2O provided by STL

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
N. Fey	
Site Name: Tr. County	Spec Request: AC 70646
Site Location: South Elgin IL	Event Name: GW Well monitoring

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	WMI 8260 ~~VOA~~	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	CL, SO4	SULFIDE	TCN	TSS, TDS	TALK		Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY ... INDICATE CONTAINER BY ...																
	MW10I	6/20/07	935	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		640mlv, 1-1LP, 1-16oz P
	FB01	6/20/07	935	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		4-8oz P
	MW2BR	6/20/07	1040	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		
	DUP2	6/20/07	1040	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		
	MW39I	6.20.07	1150	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	EMT	6/20/07	1700				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- Sl = Sludge
- MS = Miscellaneous Solids
- Ol = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

NO2 + NO3 subcontracted to EMT

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print): N. Fey	Signature:
Site Name: Woodland County	Spec Request: AC 70646
Site Location: South Elgin, IL	Event Name: GW Well Monitoring

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	CL_4SO_4	SULFIDE	TCN	TSS, TDS	TALK		Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL) / INDICATE CONTAINER BY USING KEY BELOW																
	MW39B	6-20-07	1405	W	G	2/1	1/3						2/1	1/6	1/5	1/4	1/6	1/6		6-40mlv, 4-8oz P, 1-16oz P, 1-1L P

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	EMT	6-20-07	1700				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- SI = Sludge
- MS = Miscellaneous Solids
- OI = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS: NO2 + NO3 subcontracted to EMT

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
Joe Parsons	
Site Name: Tri County	Spec Request: AC 70646
Site Location: Elgin, IL	Event Name: GW well Monitoring

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA (JP 6/21) WMI	T-METALS (JP 6/21) T. metal	~~D-METALS~~ Cl, SO4	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	Sulfide	TCN	TSS, TDS	TALK			Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL) / INDICATE CONTAINER BY USING KEY BELOW																
	FW07	6/21/07	11:30	W	G	2 1	1/3	1/6					2 1	1/5	1/4	1/6	1/4			6-40mlv, 1-16oz g, ~~4~~ 5-8oz g, 1-1LP
	PW23	6/21/07	11:45	W	G	2 1	1/3	1/6					2 1	1/5	1/4	1/6	1/6			↓
	PW09	6/21/07	12:00	W	G	2 1	1/3	1/6					2 1	1/5	1/4	1/6	1/6			

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	EMT	6/21/07	15:30				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- SI = Sludge
- MS = Miscellaneous Solids
- OI = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

NO3, NO2 Subcontracted to EMT

Courier:

Bill of Lading:

STL-8219 (1002)

SEVERN TRENT STL

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name (Print)	Signature:
N. Fey	[signature]
Site Name: Tri County	Spec Request: AC 70646
Site Location: South Elgin, IL	Event Name: GW Well Monitoring

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	~~VOA~~ NF 6/21	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	CL, SO4	SULFIDE	TCN	TDS, TSS	TALK		Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING [illegible] INDICATE CONTAINER BY USING [illegible]																
	MW6I	6/21/07	930	W	G	2/1							2/1	1/6	1/5	1/4	1/6	1/6		6-40mlv, 1-1LP, 4-8ozP
																				1-16ozP

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	TMT	6.21.07	15:30				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- Sl = Sludge
- MS = Miscellaneous Solids
- Ol = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS	Courier:
NO2, NO3 subcontracted to EMT	
	Bill of Lading:

STL-8219 (1002)

APPENDIX D

TRI-COUNTY LANDFILL
SHALLOW MONITORING WELL NETWORK ANALYTICAL DATA
JUNE 2007

Tri County Landfill
Shallow Monitoring Wells
Exceedences of Class I GWQS and MCL Limits
June 2007

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/20/2007	MW2SR	Sulfate	550	MG/L		NA	400
6/20/2007	MW2SR	Total Dissolved Solids (TDS)	1210	MG/L		NA	1200
6/20/2007	MW2SR	Manganese, Total	170	UG/L		NA	150
6/20/2007	MW2SR	Nickel, Total	109	UG/L		NA	100
6/19/2007	MW5SR	Manganese, Total	428	UG/L		NA	150
6/21/2007	MW06S	Chloride	342	MG/L		NA	200
6/21/2007	MW06S	Iron, Total	12900	UG/L		NA	5000
6/21/2007	MW06S	Manganese, Total	356	UG/L		NA	150
6/25/2007	MW10S	Iron, Total	22400	UG/L		NA	5000
6/25/2007	MW10S	Lead, Total	15.9	UG/L		15	8
6/25/2007	MW10S	Manganese, Total	2590	UG/L		NA	150
6/19/2007	MW12SR	Manganese, Total	317	UG/L		NA	150
6/25/2007	MW38S	Chromium, Total	374	UG/L		100	100
6/25/2007	MW38S	Manganese, Total	272	UG/L		NA	150
6/25/2007	MW41S	Nitrate (As N)	39.1	MG/L-N		10	10
6/25/2007	MW41S	Nitrite (As N)	1.3	MG/L-N		1	NA
6/25/2007	MW41S	Sulfate	414	MG/L		NA	400
6/25/2007	MW41S	Total Dissolved Solids (TDS)	1420	MG/L		NA	1200
6/25/2007	MW41S	Manganese, Total	730	UG/L		NA	150

Notes:
Class I GWQS = Class I Groundwater Quality Standard
MCL = Federal Safe Drinking Water Act Maximum Contaminant Levels

Tri-County Landfill
Shallow Monitoring Wells
Organics Exceedences
June 2007

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW38S	1,1-Dichloroethane	2	UG/L		NA	NA
6/25/2007	MW38S	cis-1,2-Dichloroethene	3	UG/L		70	70

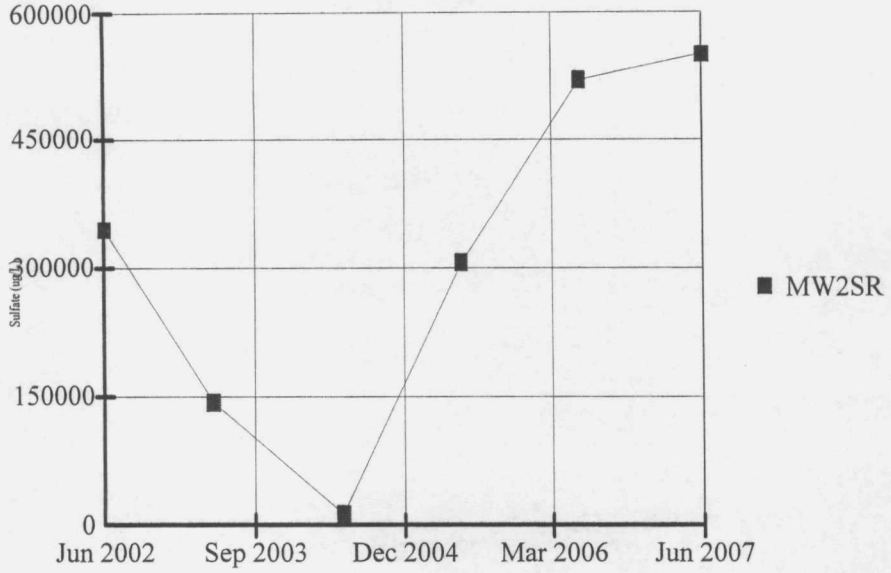
Notes:
Class I GWQS = Class I Groundwater Quality Standard
MCL = Federal Safe Drinking Water Act Maximum Contaminant Levels

Shallow Monitoring Wells

TRI-COUNTY LANDFILL
Time Trend Graphs - Detected Parameters
JUNE 2007

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

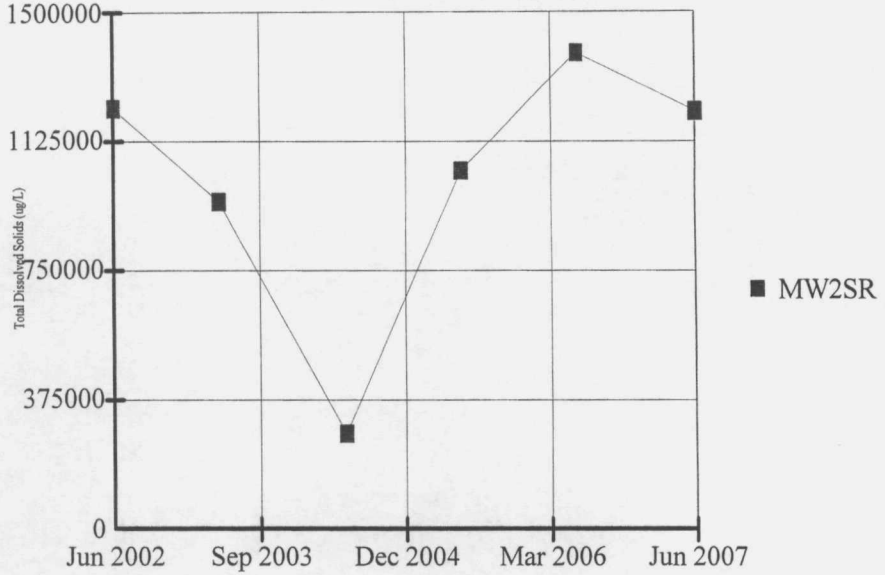
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:26 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
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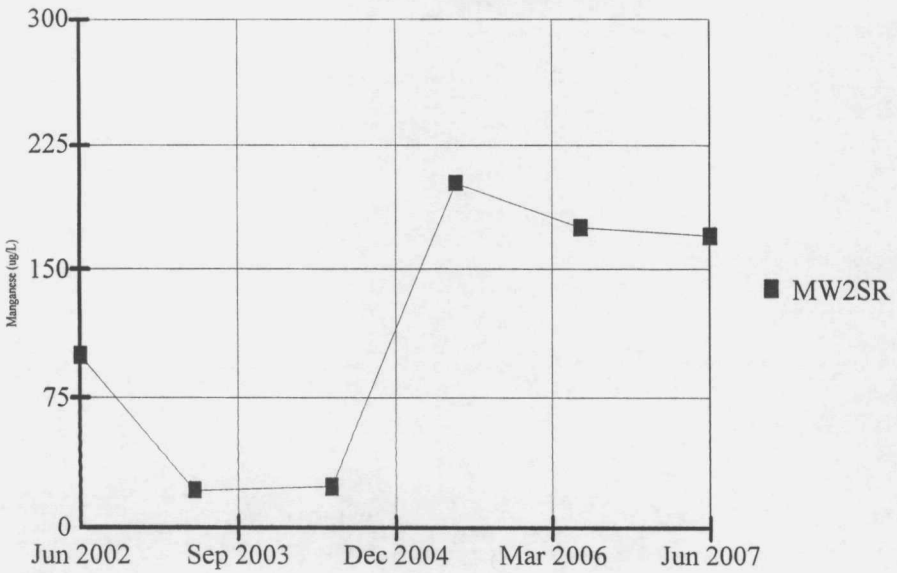
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

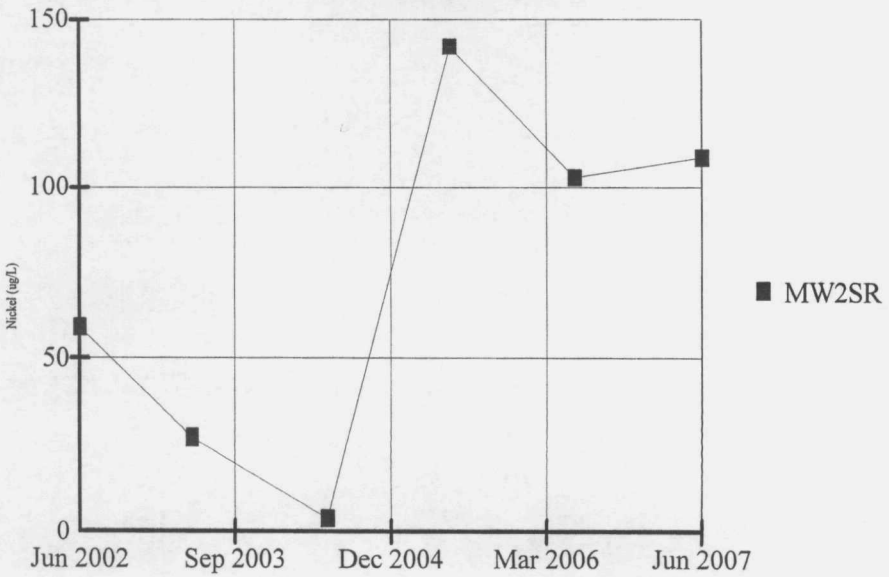
TIME SERIES



Constituent: Manganese (ug/L) Data File: metals test
Date: 11/19/07, 5:26 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



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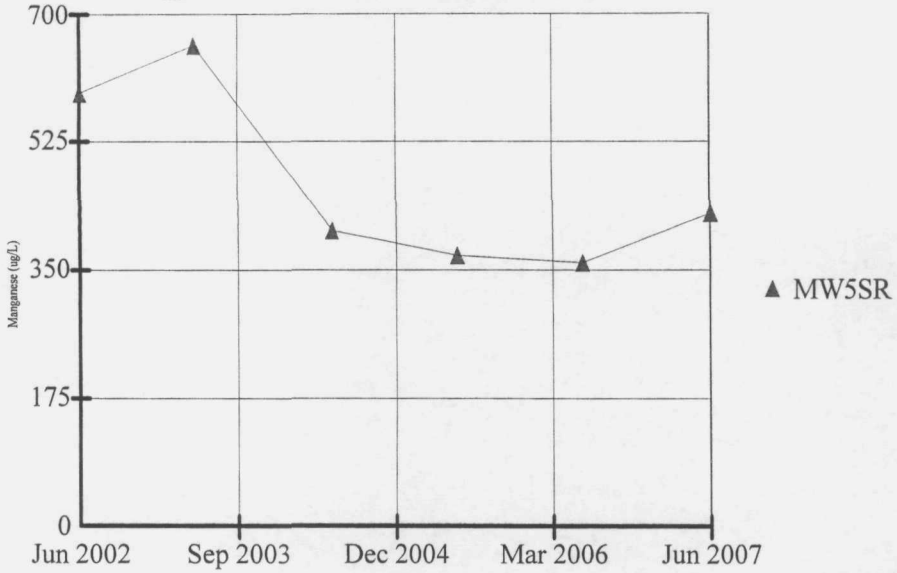
TIME SERIES



Constituent: Manganese (ug/L) Data File: metals test
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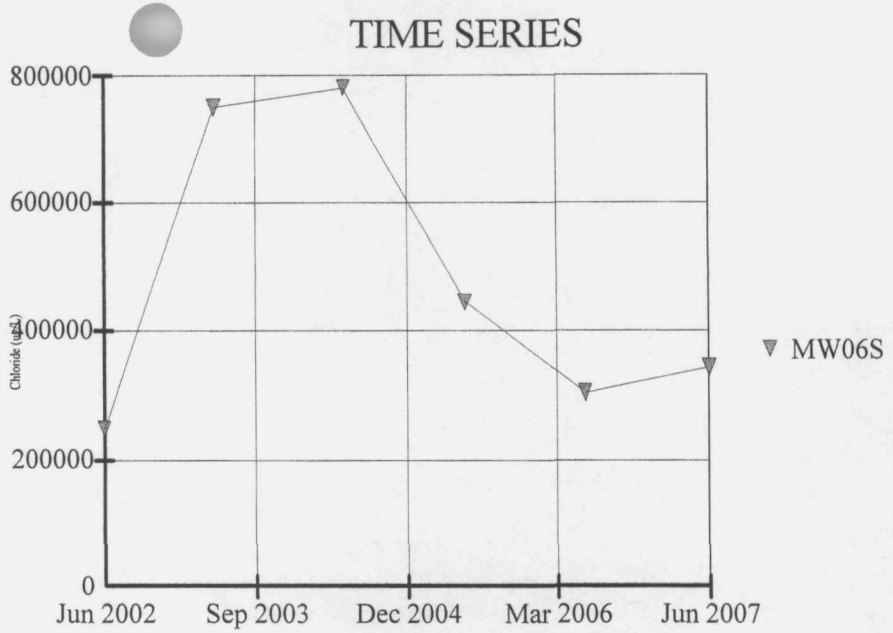
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Chloride (ug/L) Data File: metals test
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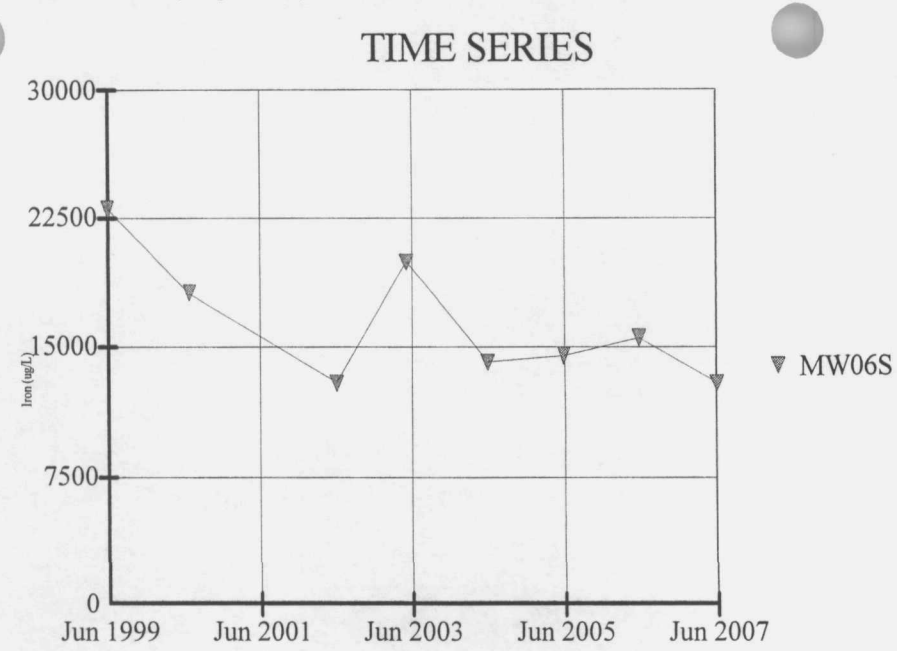
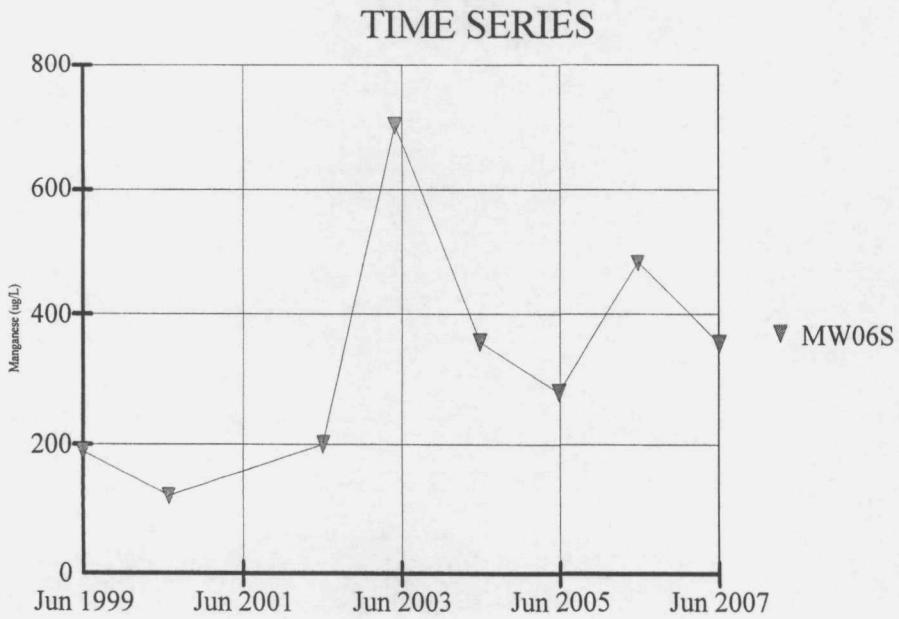
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Iron (ug/L) Data File: metals test
Date: 11/19/07, 5:27 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



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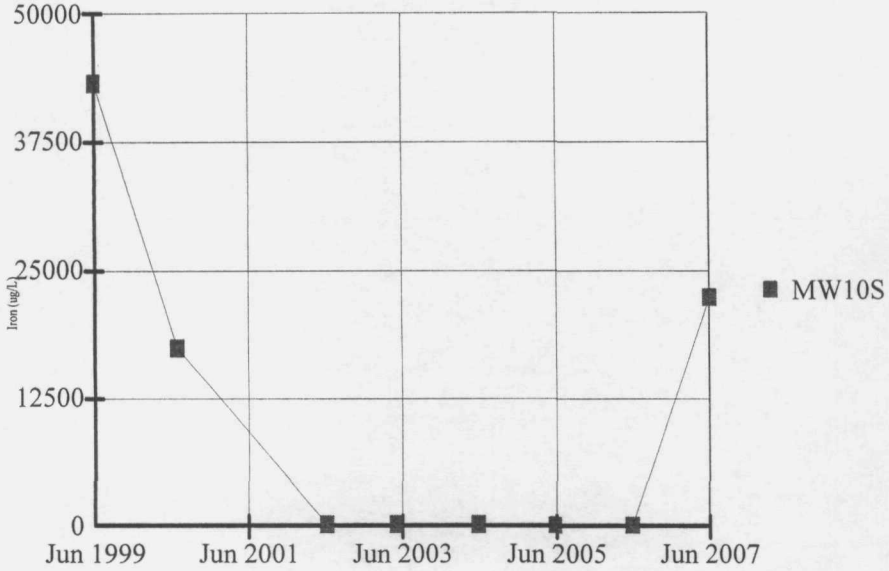
Date: 11/19/07, 5:27 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

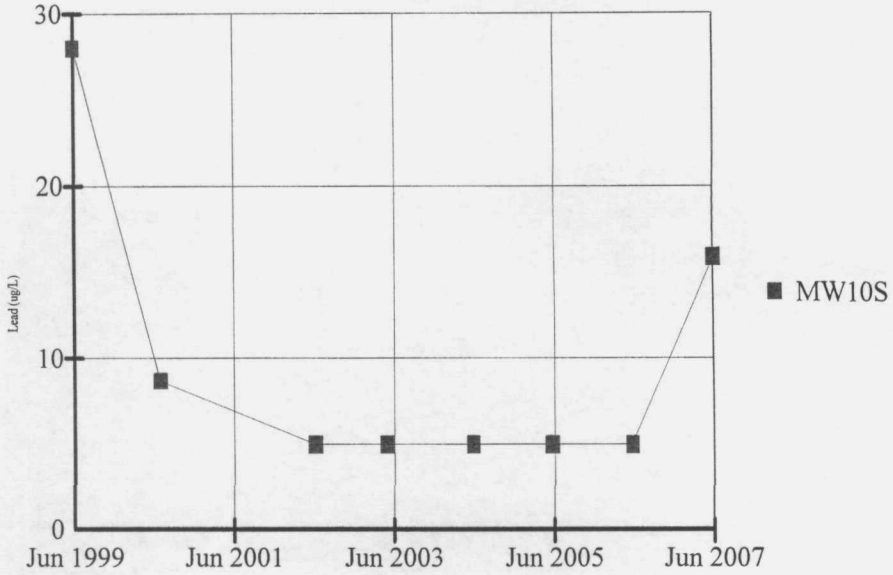
TIME SERIES



Constituent: Iron (ug/L) Data File: metals test
Date: 11/19/07, 5:28 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

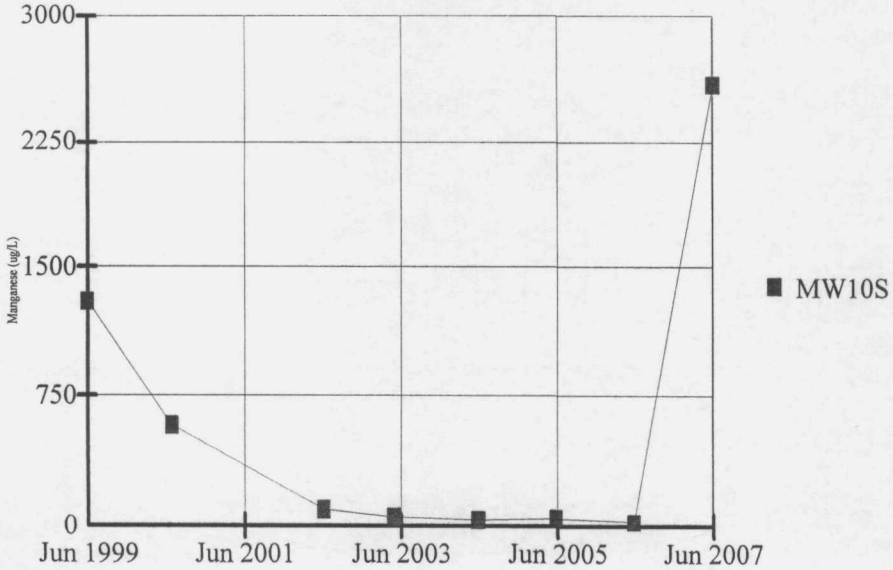
TIME SERIES



Constituent: Lead (ug/L) Data File: metals test
Date: 11/19/07, 5:28 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



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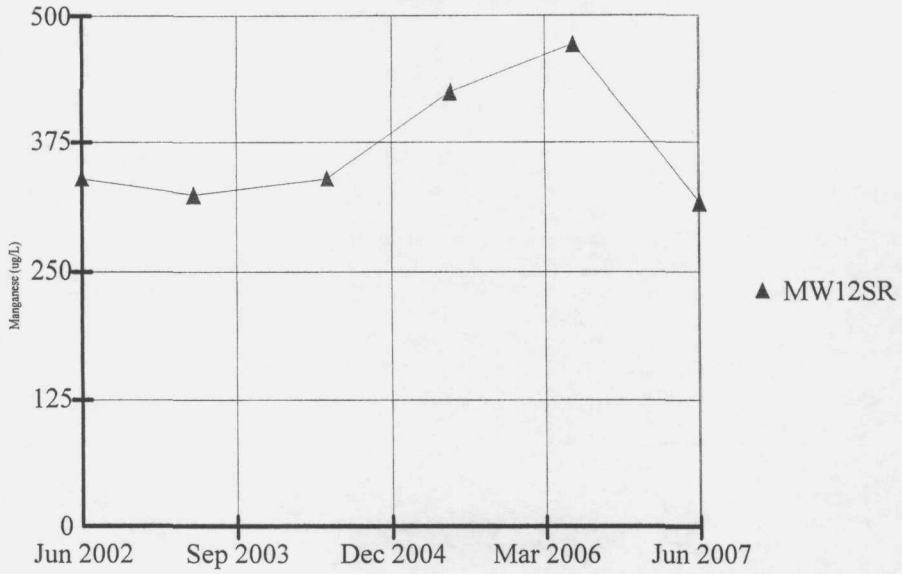

Constituent: Manganese (ug/L) Data File: metals test
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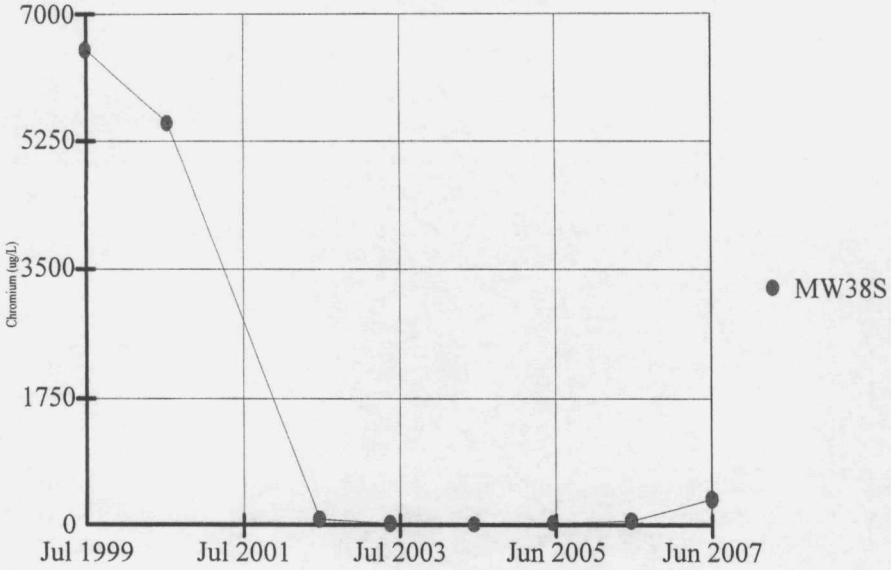
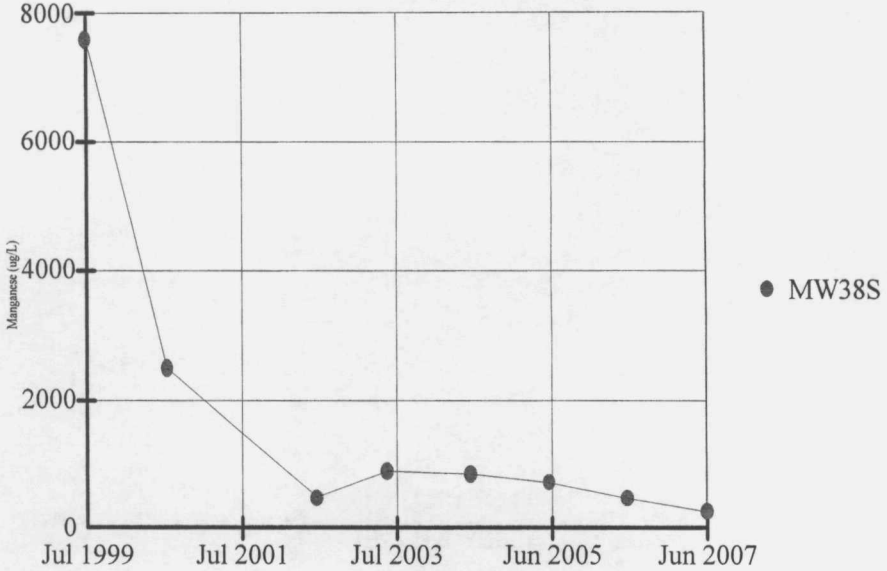
TIME SERIES



Constituent: Chromium (ug/L) Data File: metals test
Date: 11/19/07, 5:29 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Manganese (ug/L) Data File: metals test
Date: 11/19/07, 5:29 PM Client: Shaw Environmental, Inc. View: _Batch_

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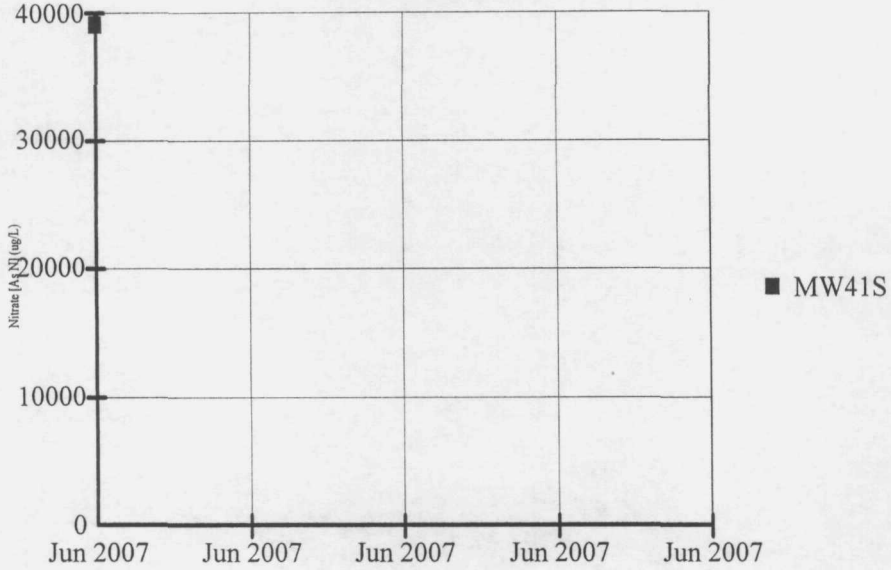
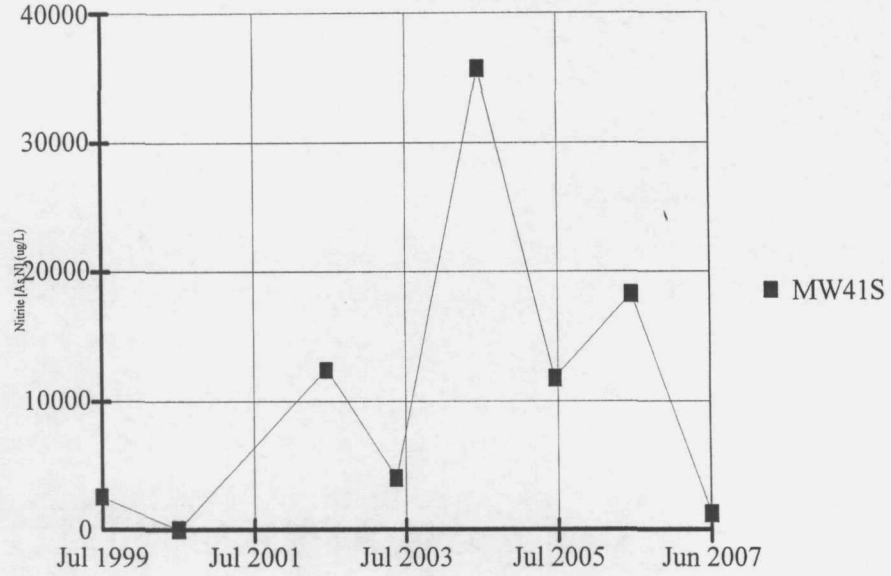
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:30 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

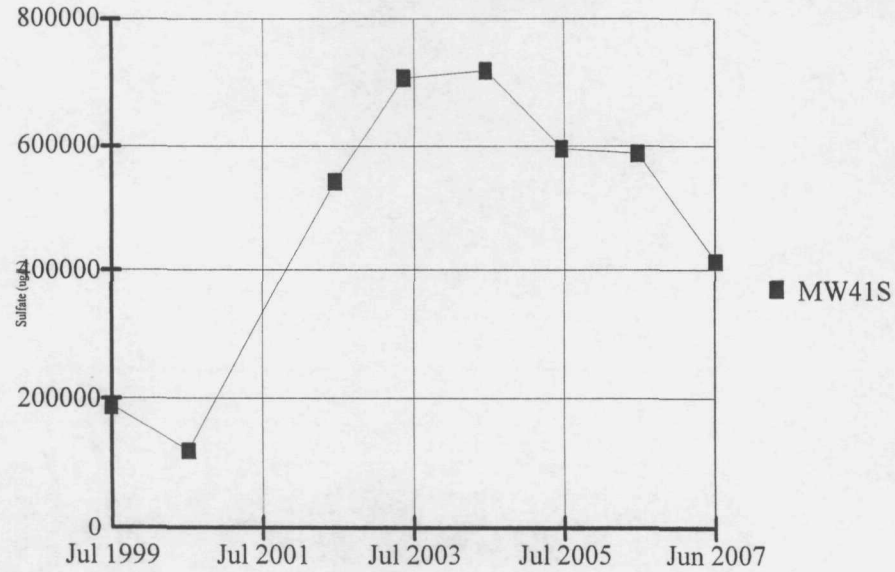
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:30 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
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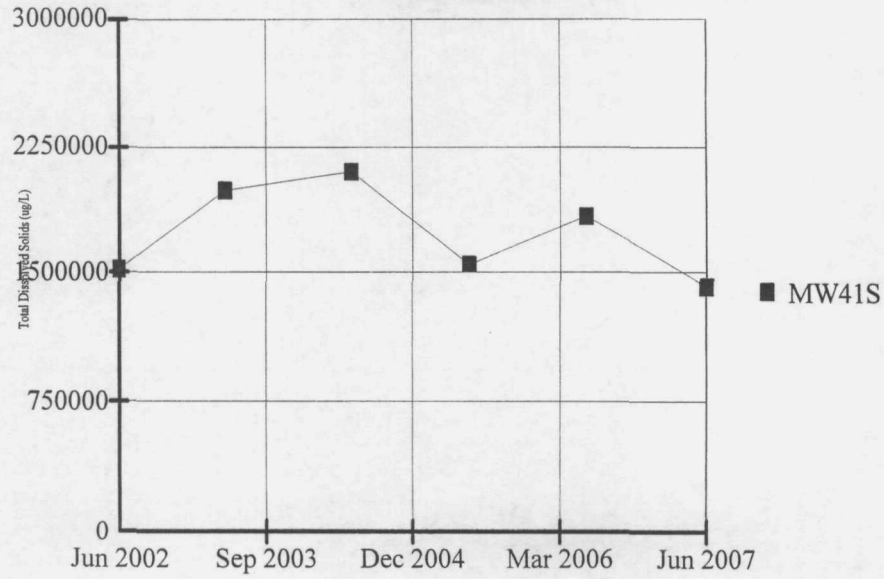
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
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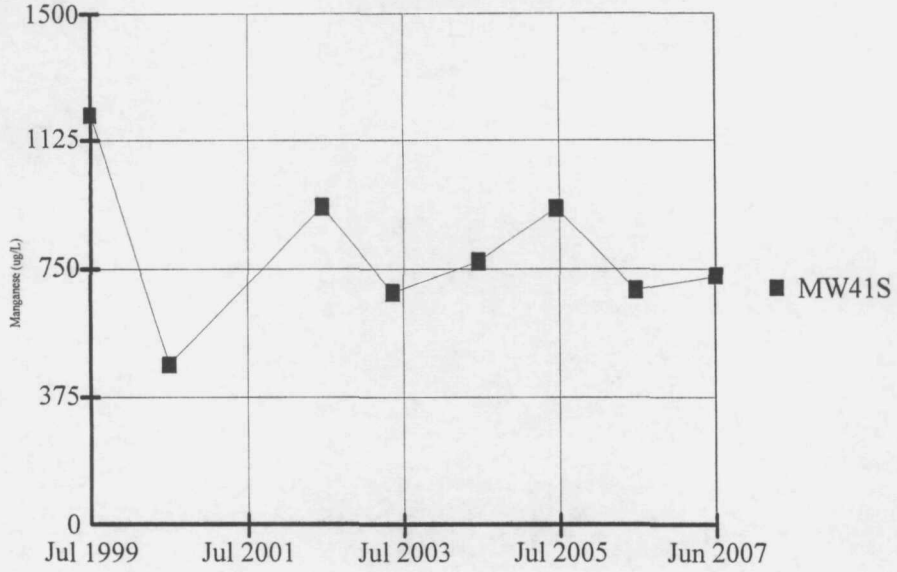
TIME SERIES



Constituent: Manganese (ug/L) Data File: metals test
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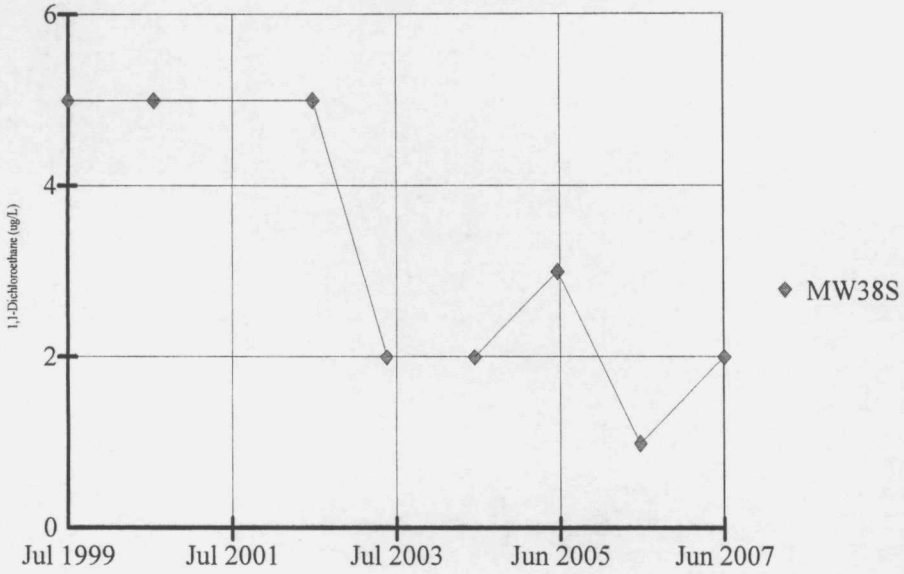
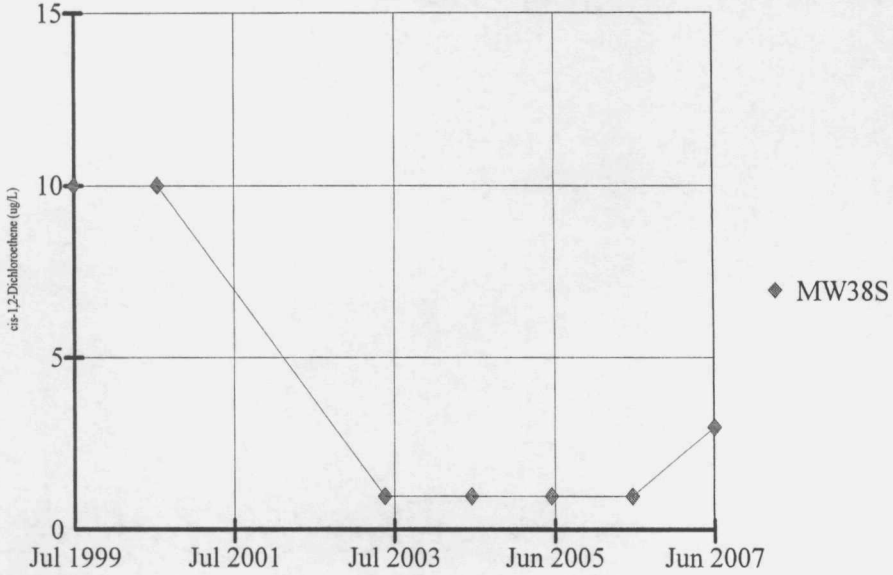


Constituent: 1,1-Dichloroethane (ug/L) Data File: VOC test
Date: 11/19/07, 5:33 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES

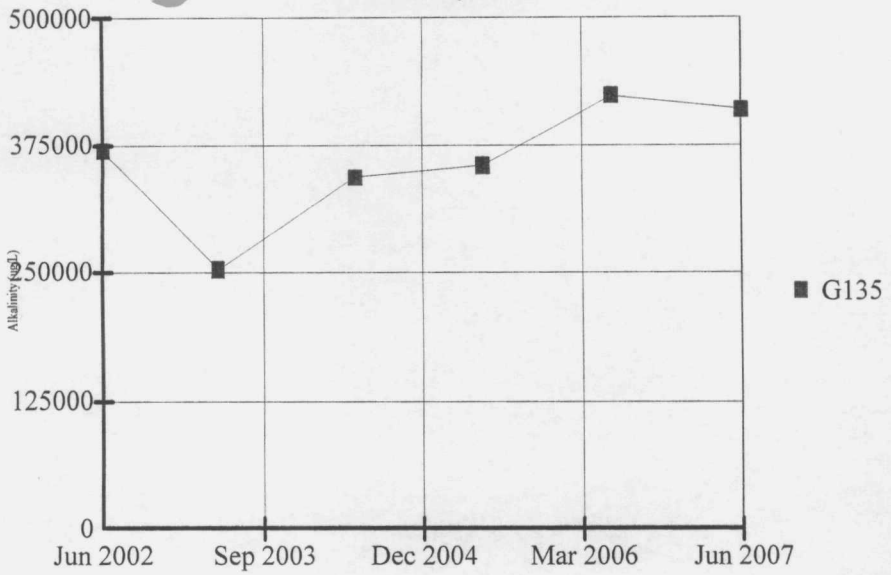


Constituent: cis-1,2-Dichloroethene (ug/L) Data File: VOC test
Date: 11/19/07, 5:33 PM Client: Shaw Environmental, Inc. View: _Batch_

Shallow Monitoring Wells

TRI-COUNTY LANDFILL
Time Trend Graphs - Indicator Parameters
JUNE 2007

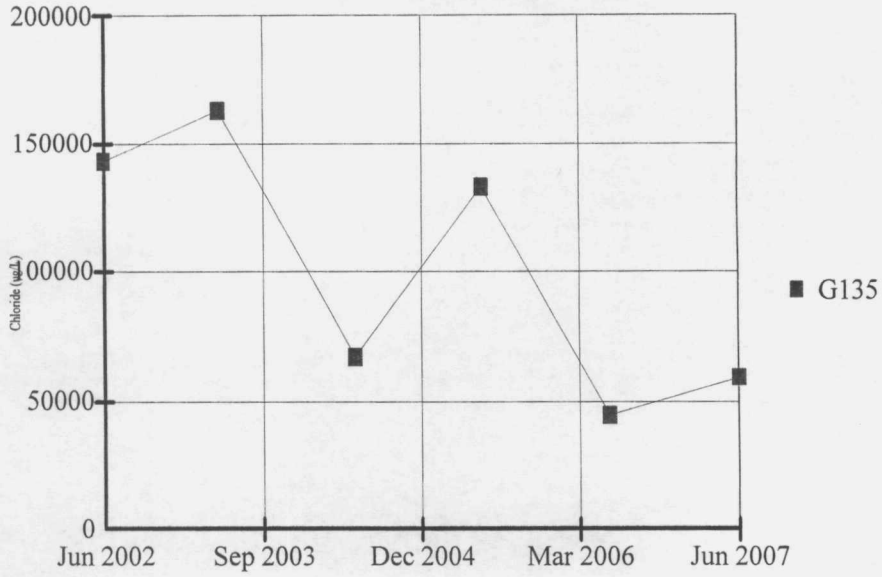
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:25 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

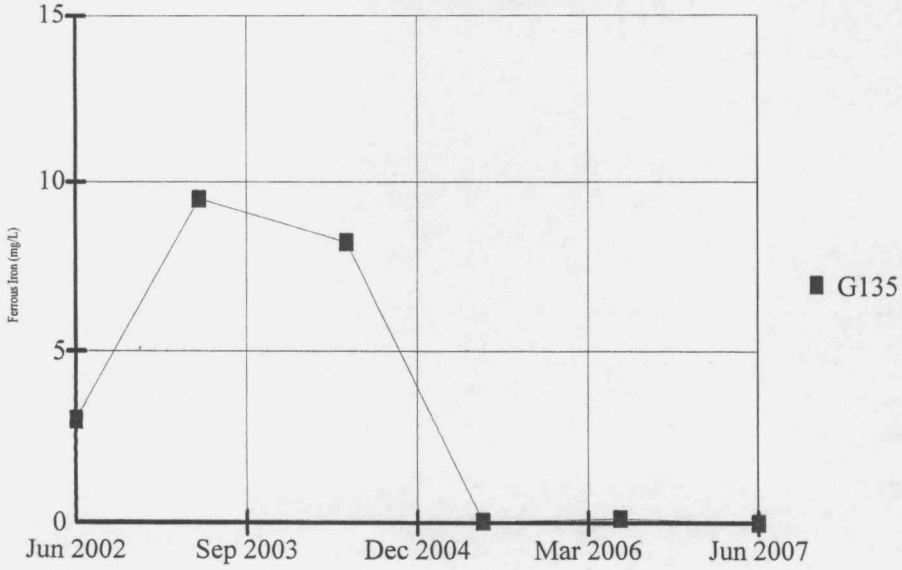
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:25 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

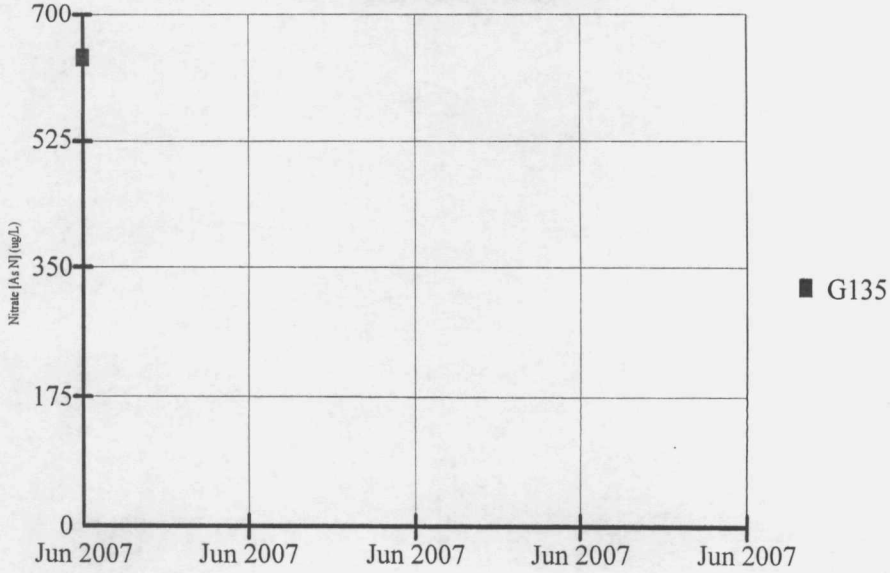
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:25 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



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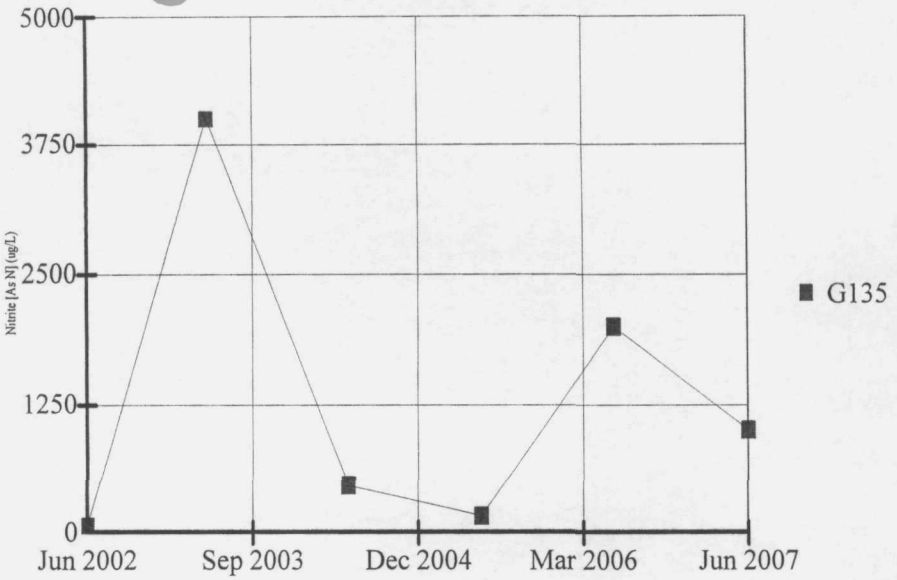
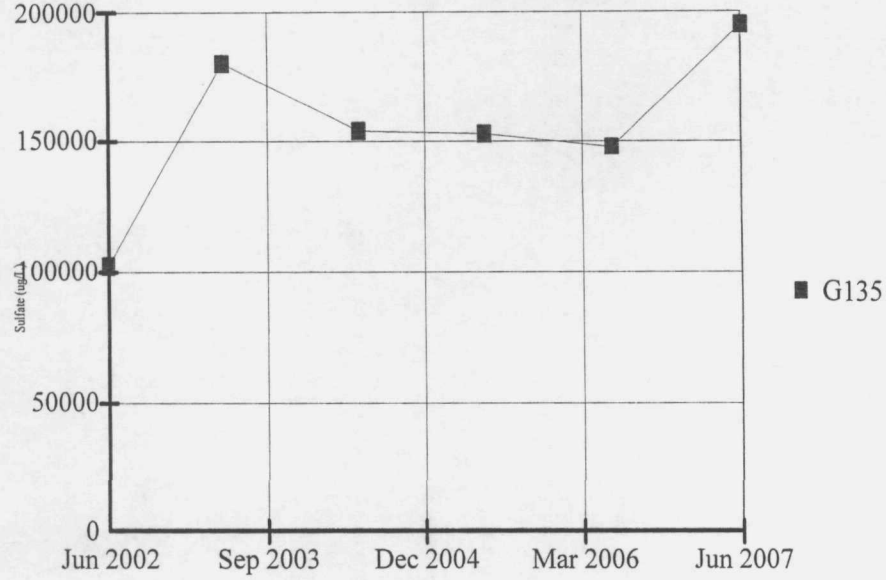
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:26 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

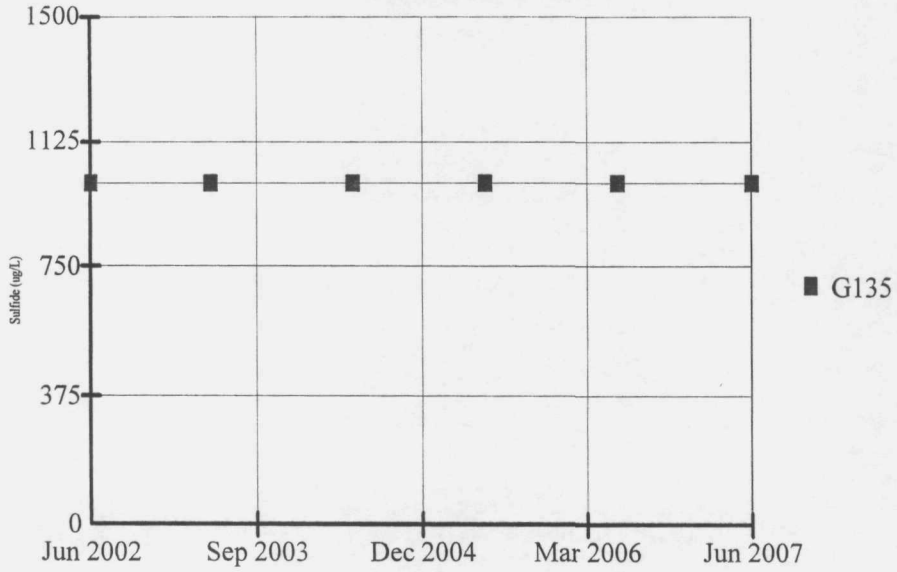
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:26 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

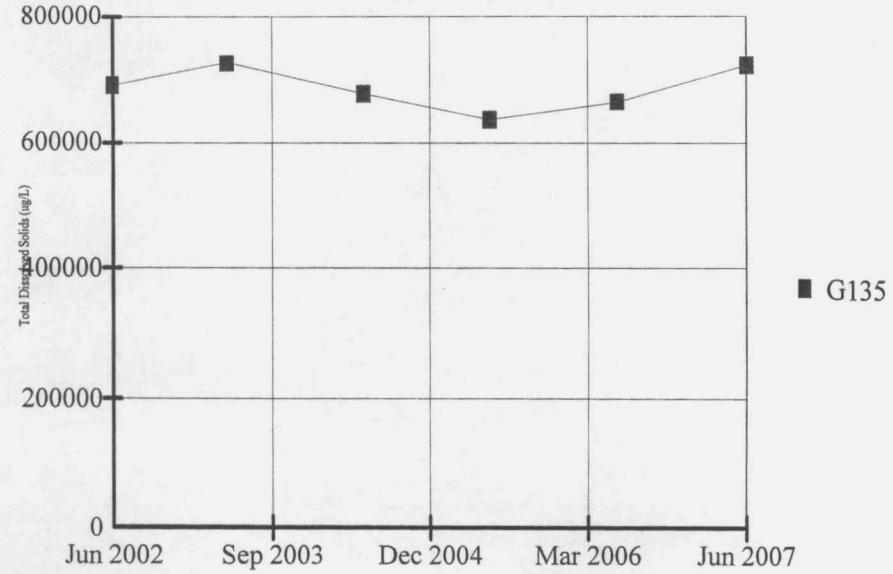
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:26 PM Client: Shaw Environmental, Inc. View: _Batch_

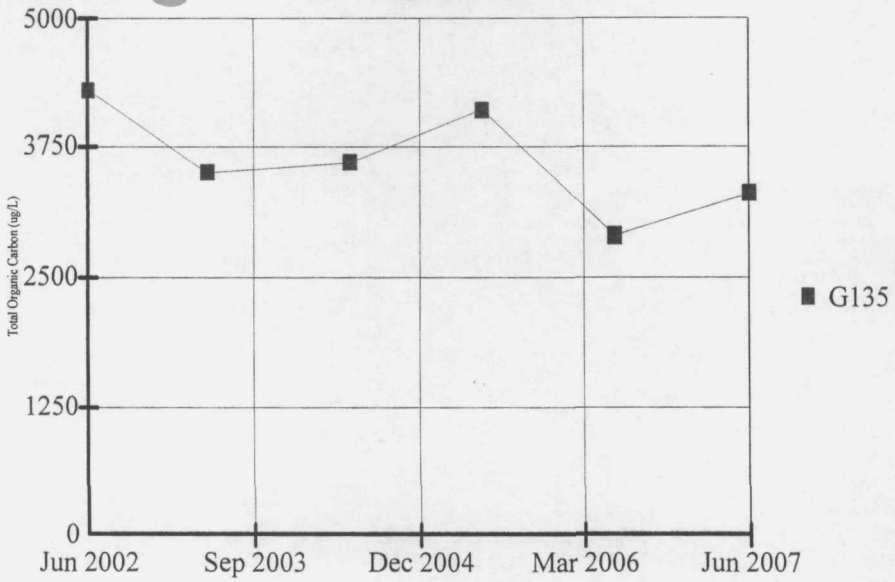
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:26 PM Client: Shaw Environmental, Inc. View: _Batch_

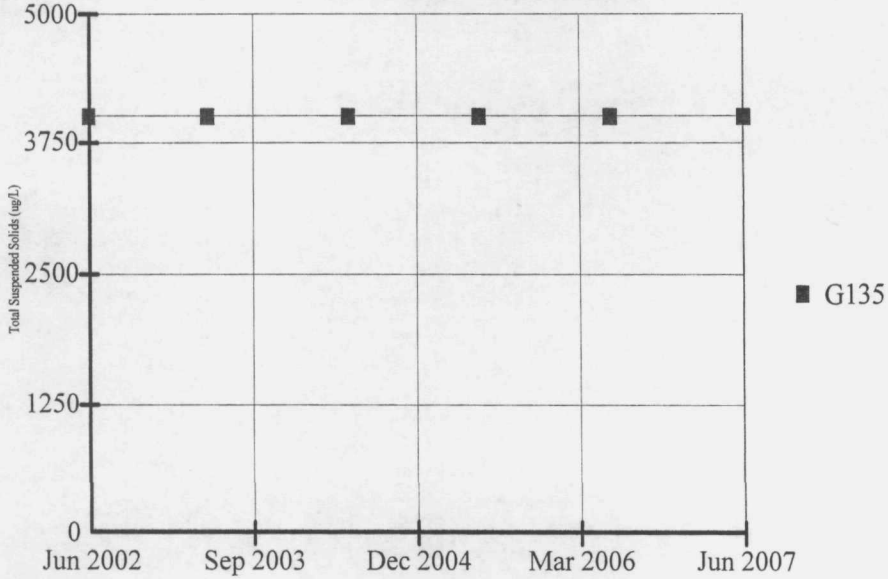
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:26 PM Client: Shaw Environmental, Inc. View: _Batch_

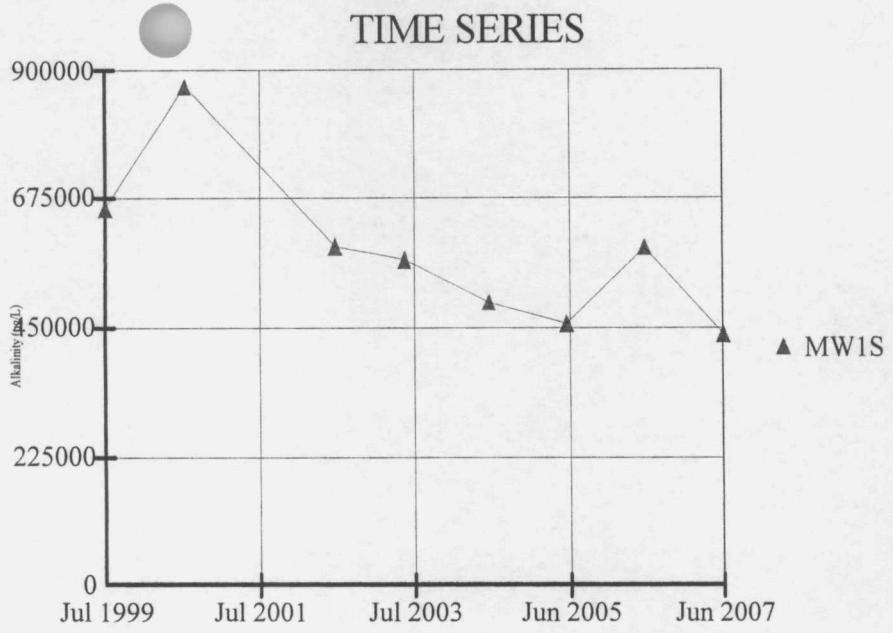
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



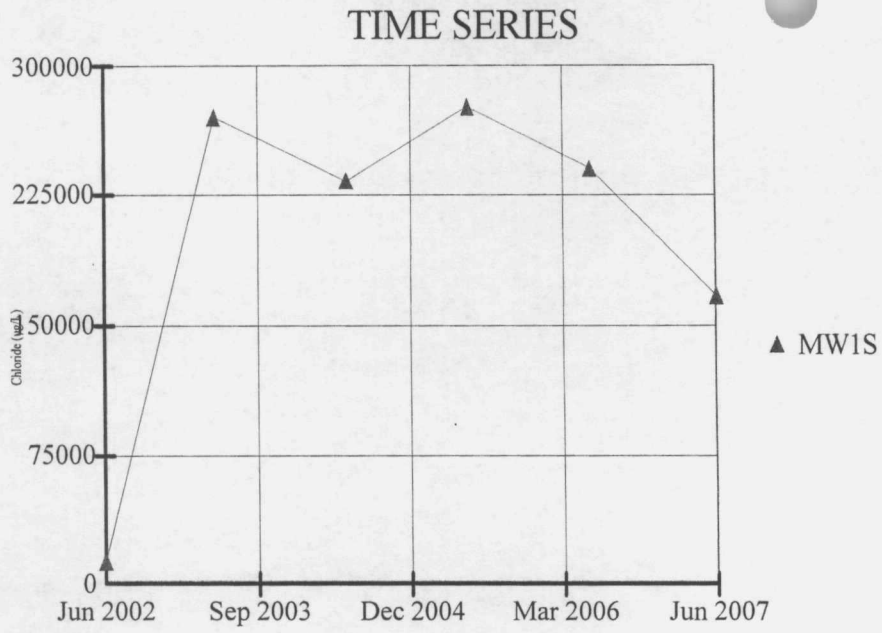
Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:26 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



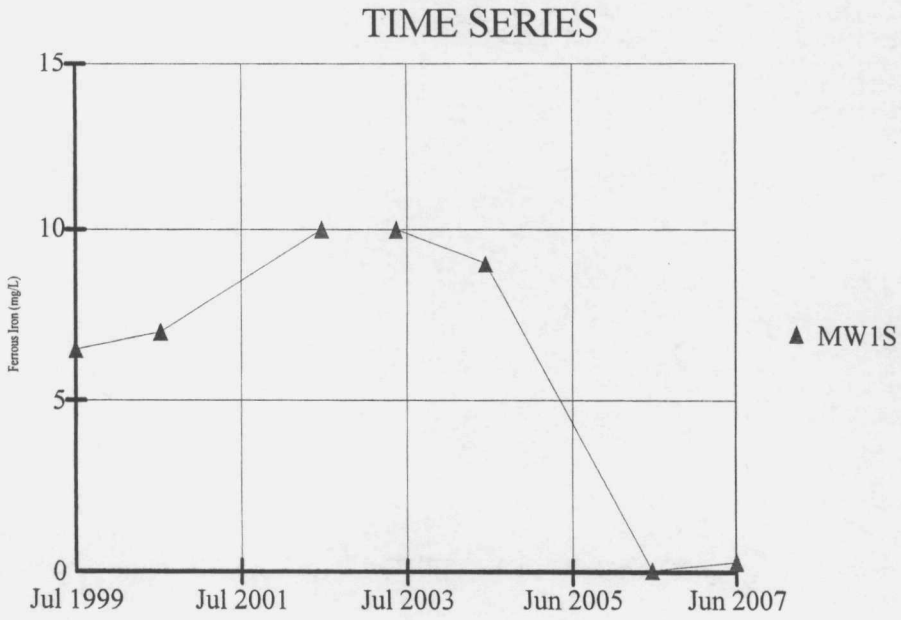
Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:28 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



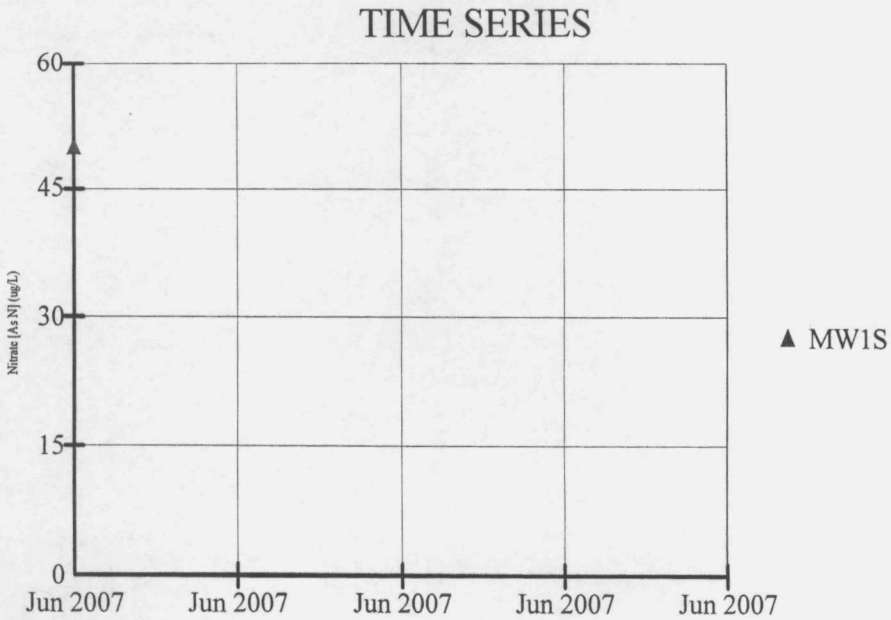
Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:28 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:28 PM Client: Shaw Environmental, Inc. View: _Batch_

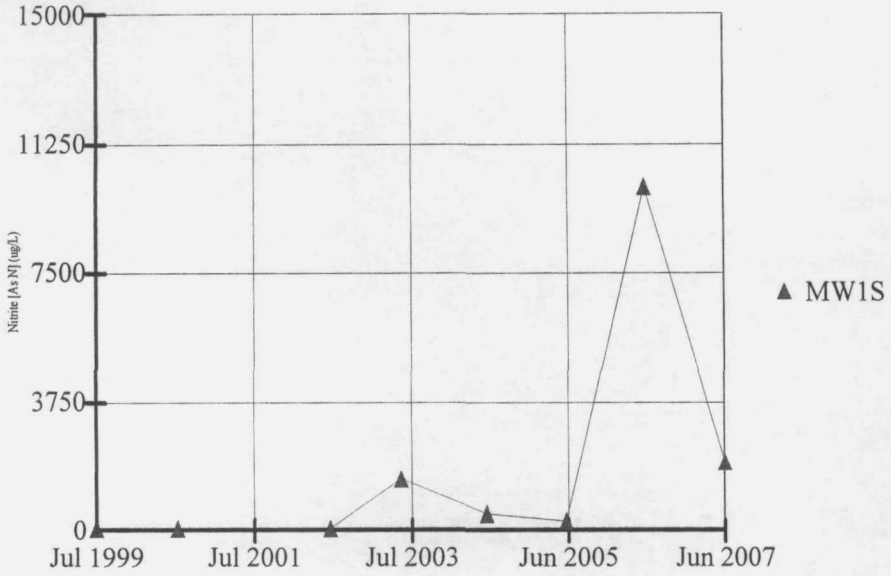
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:28 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

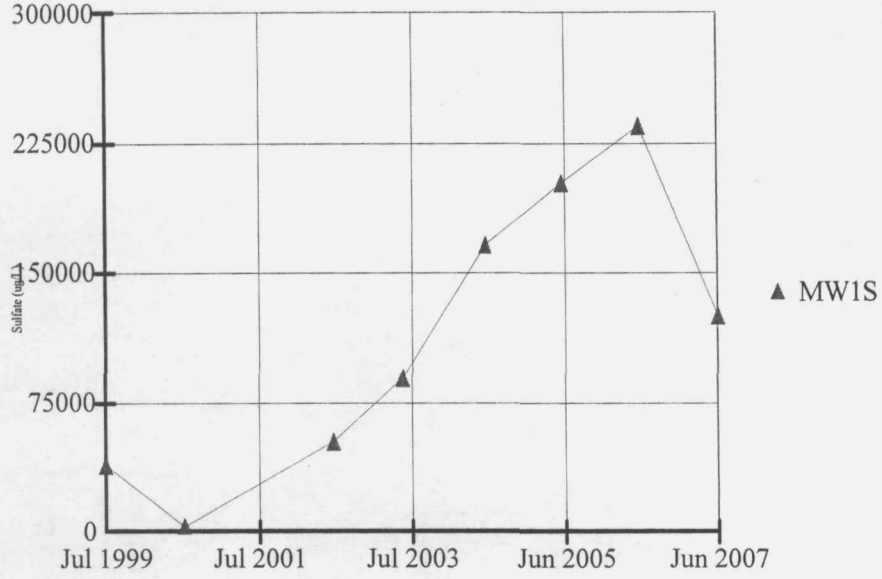
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:28 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

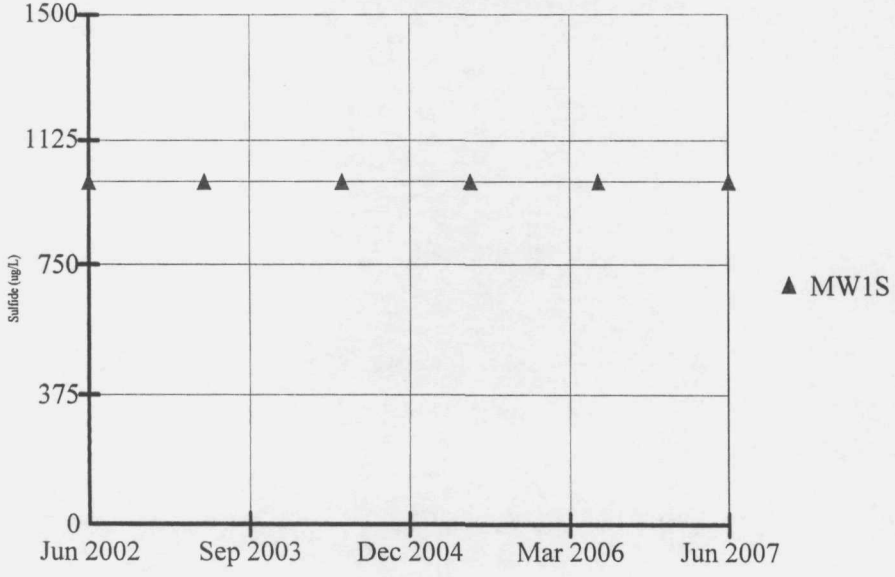
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:28 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

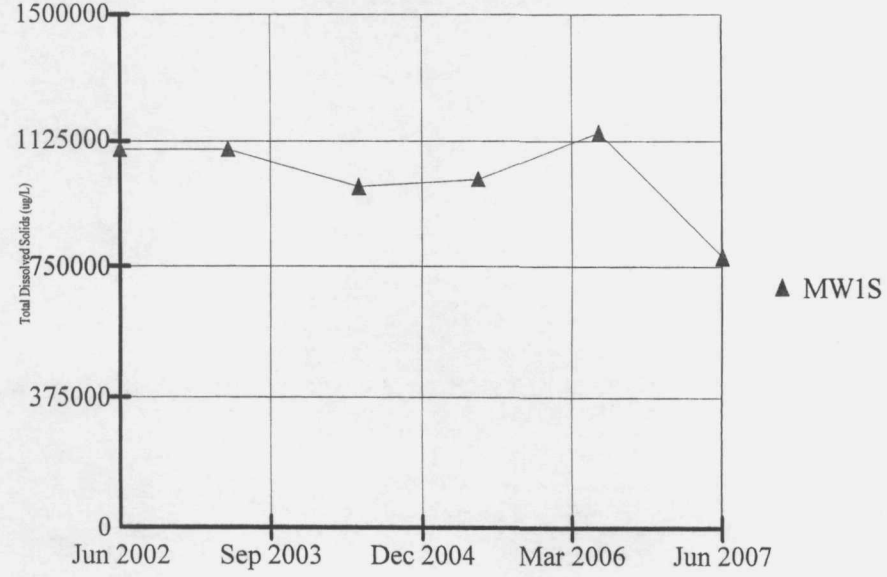
TIME SERIES



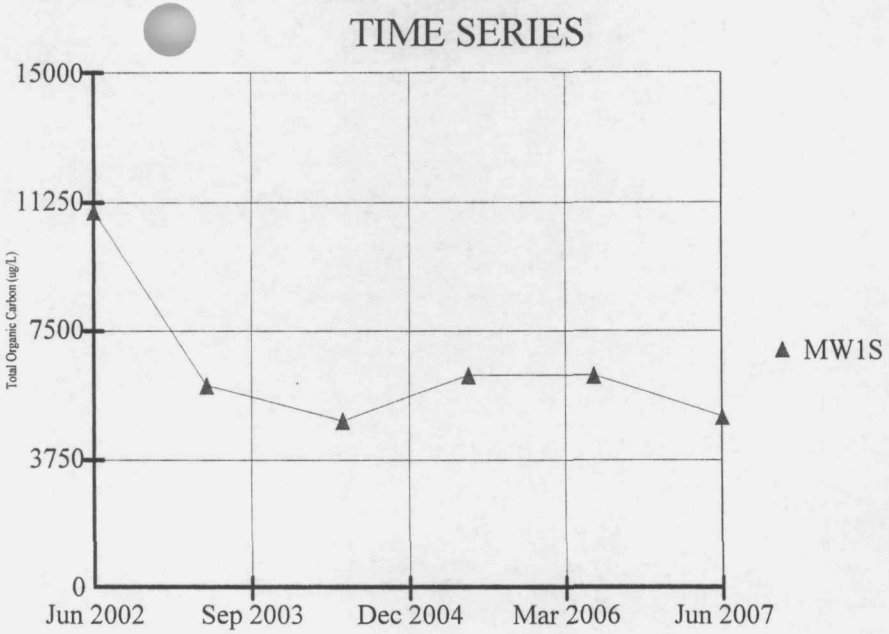
Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:28 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES

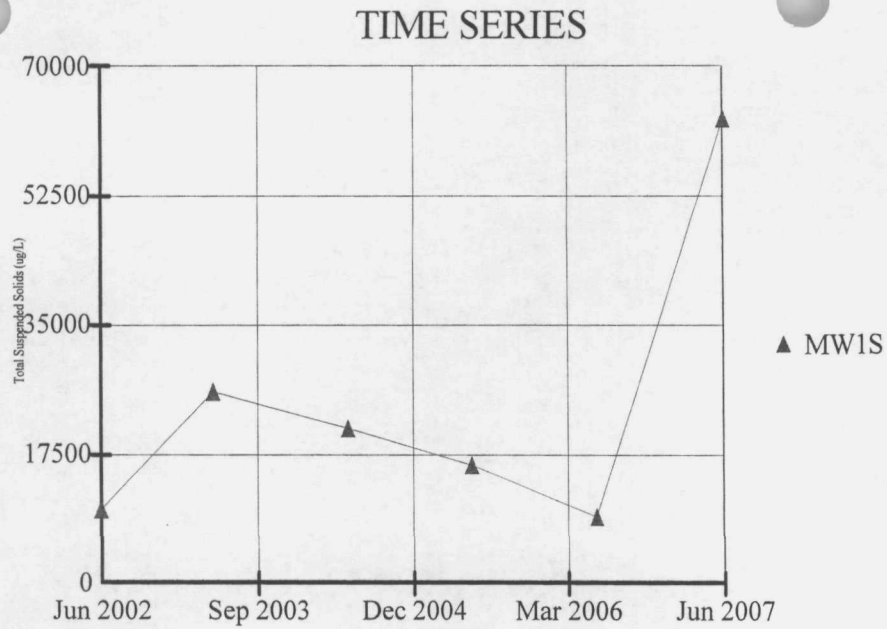


Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:29 PM Client: Shaw Environmental, Inc. View: _Batch_



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:29 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:29 PM Client: Shaw Environmental, Inc. View: _Batch_

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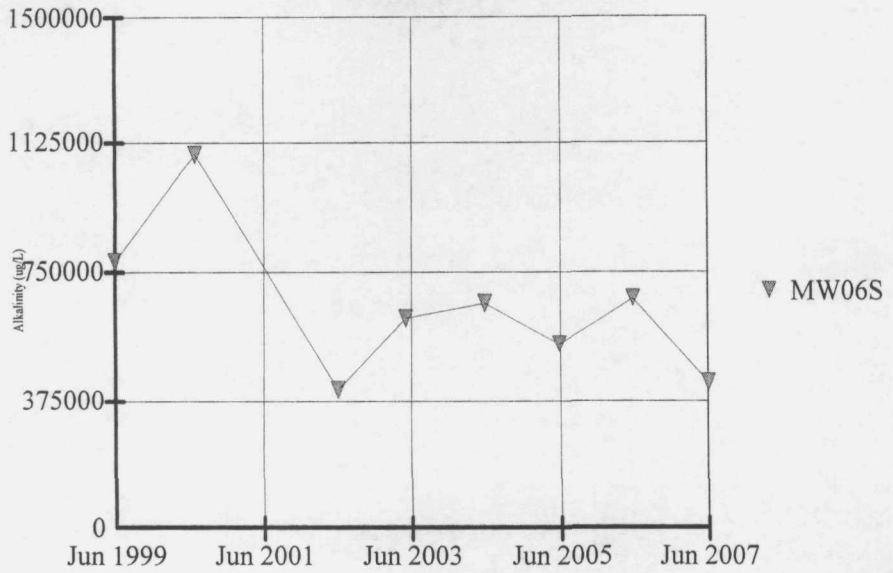
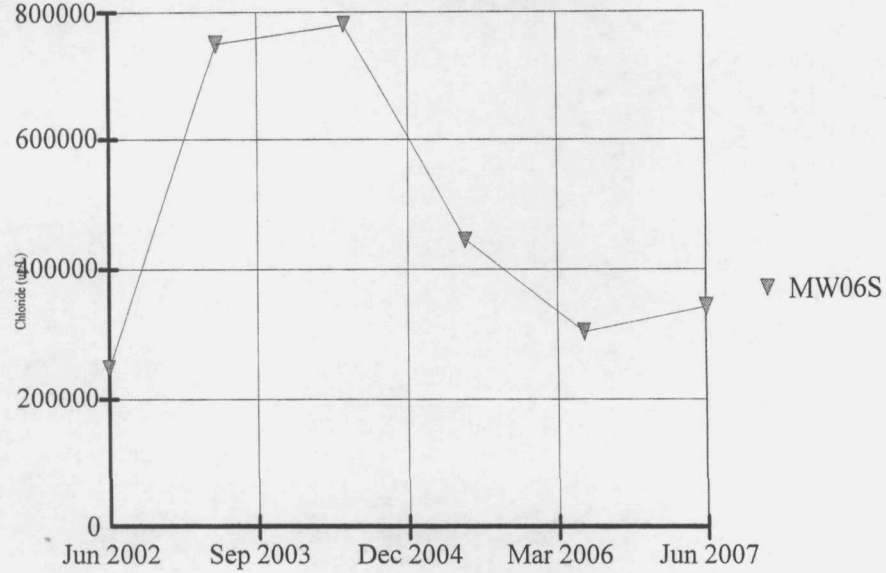
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:29 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

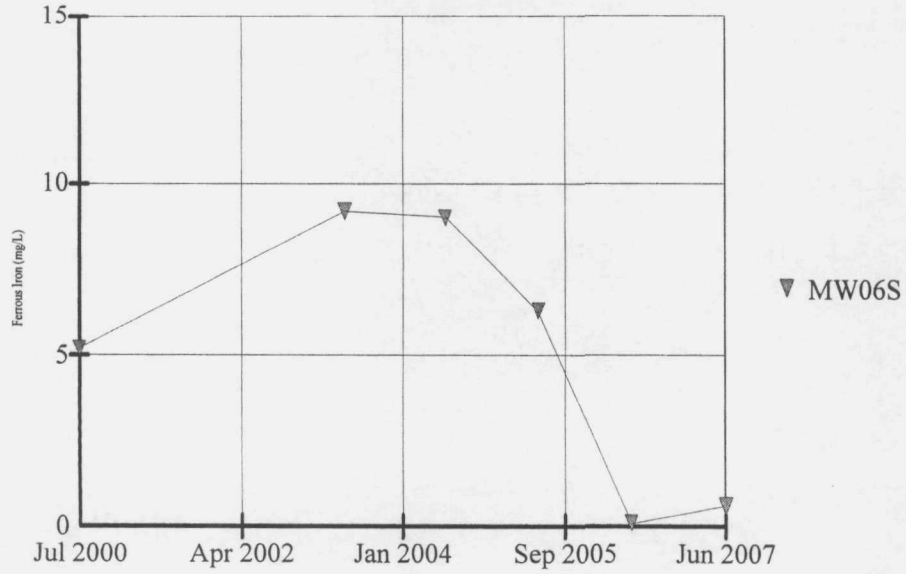
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:29 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

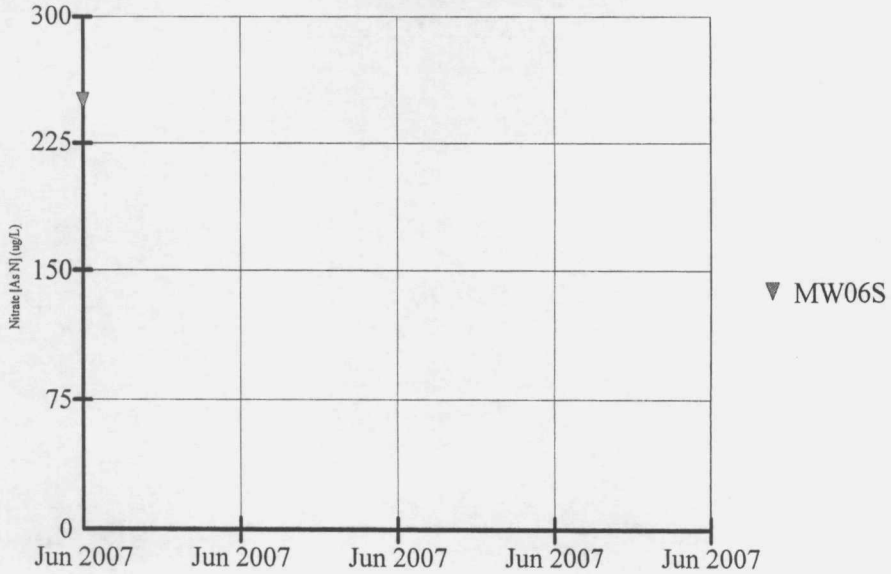
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:30 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

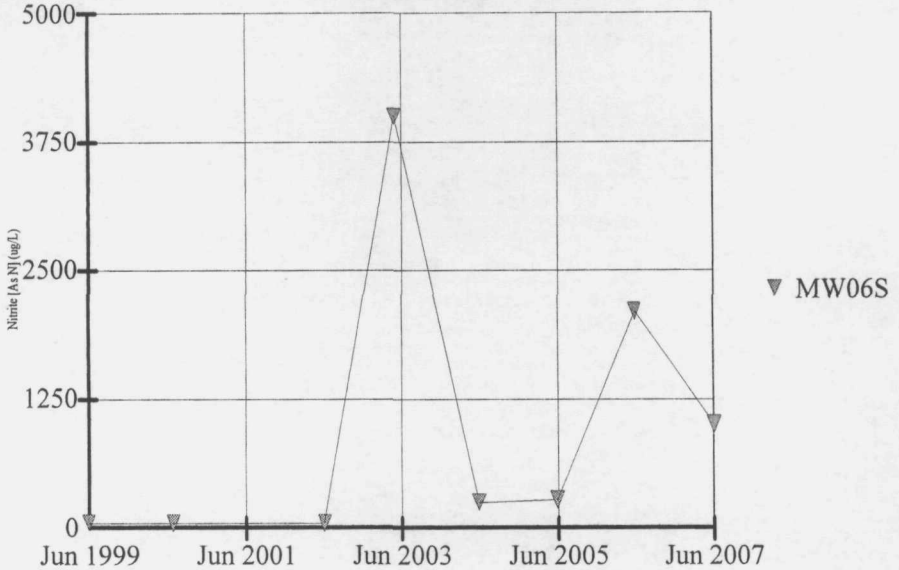
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:30 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

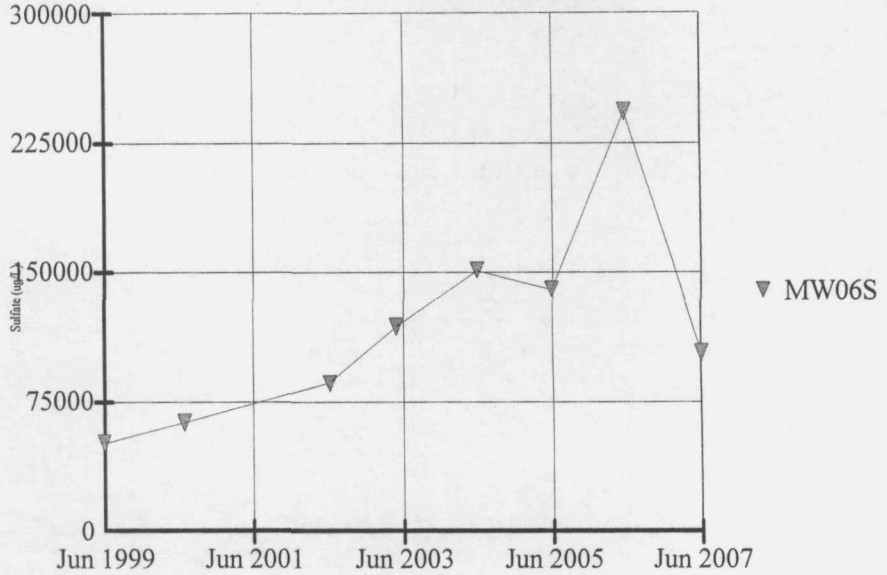
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:30 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

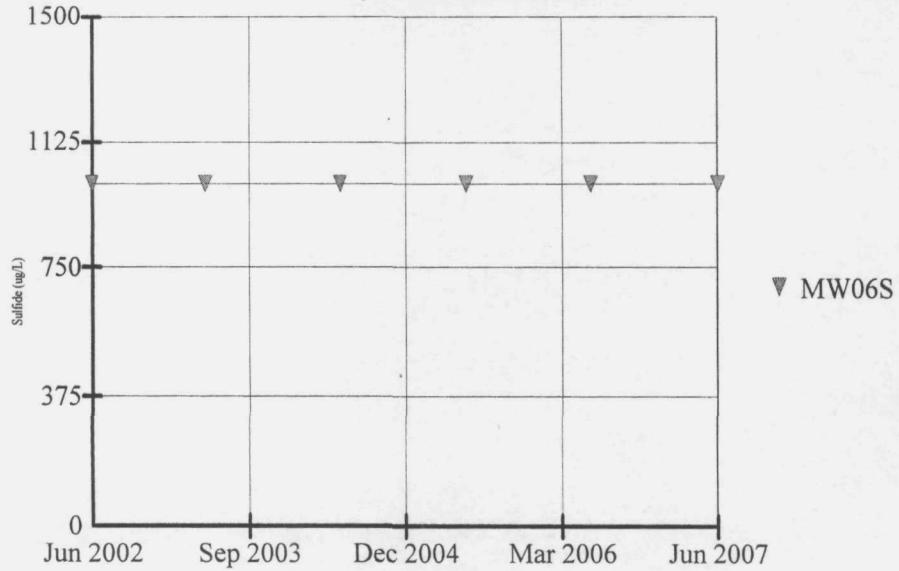
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:30 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

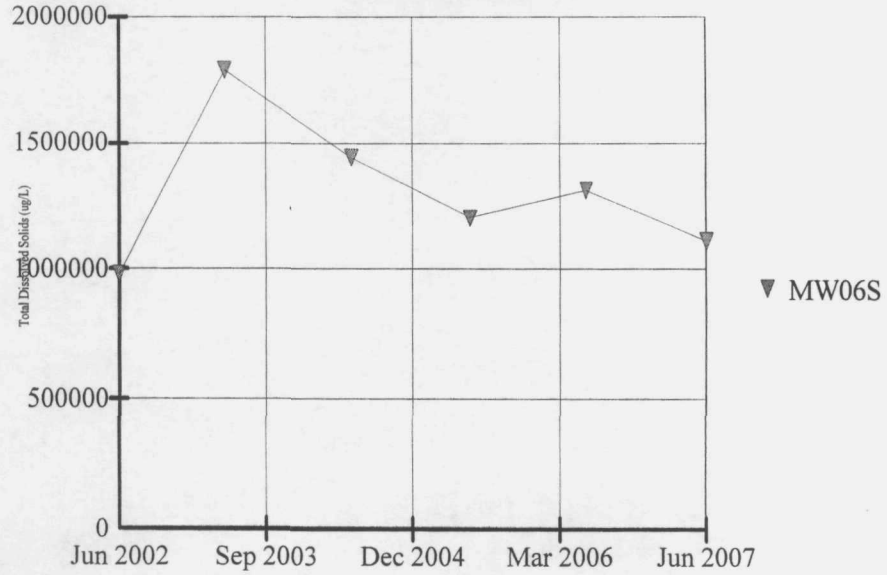
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:30 PM Client: Shaw Environmental, Inc. View: _Batch_

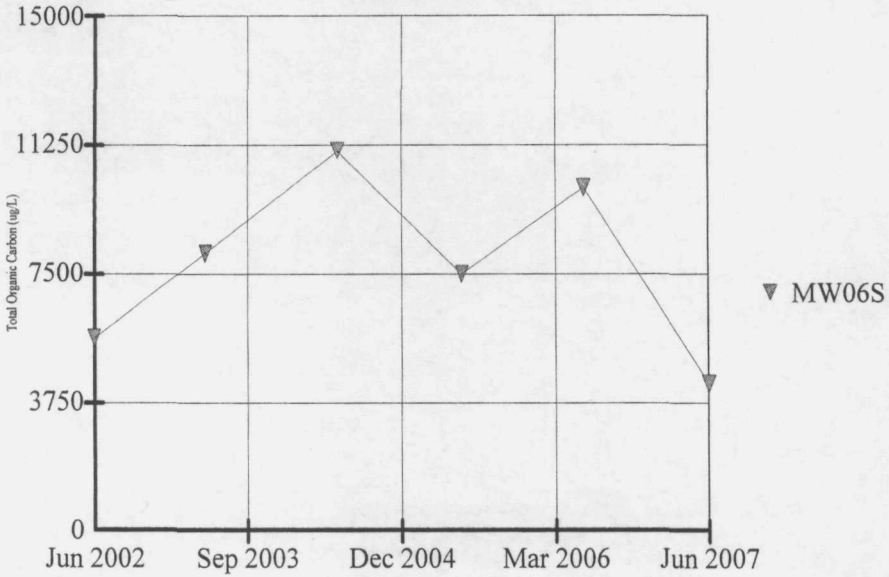
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:30 PM Client: Shaw Environmental, Inc. View: _Batch_

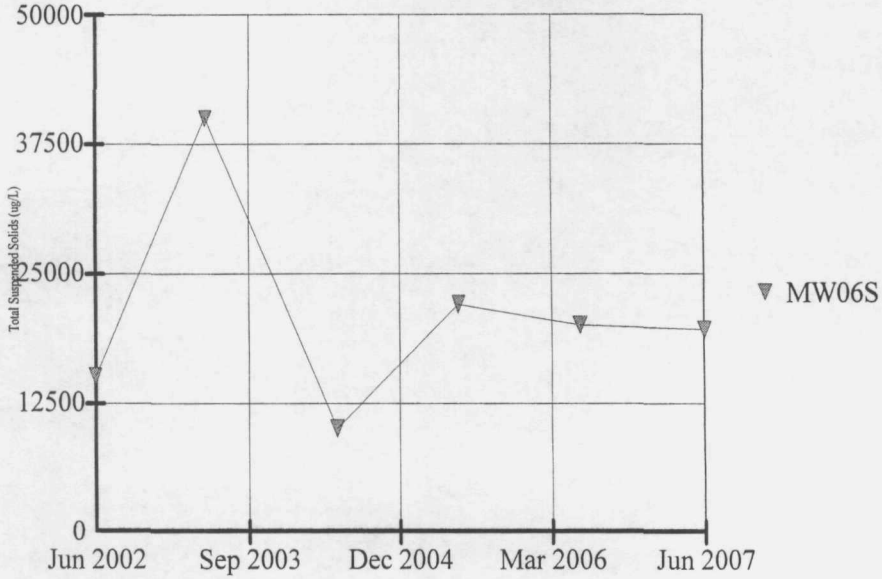
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:30 PM Client: Shaw Environmental, Inc. View: _Batch_

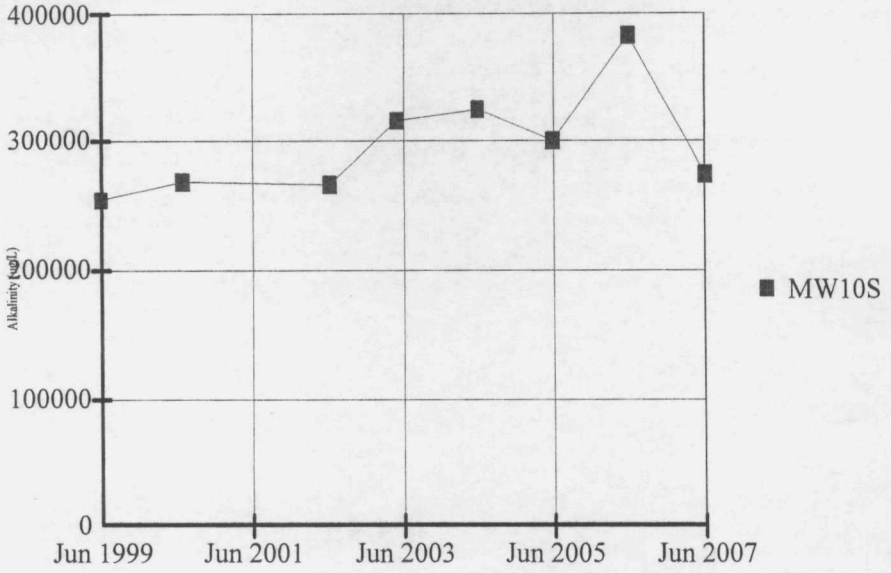
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:30 PM Client: Shaw Environmental, Inc. View: _Batch_

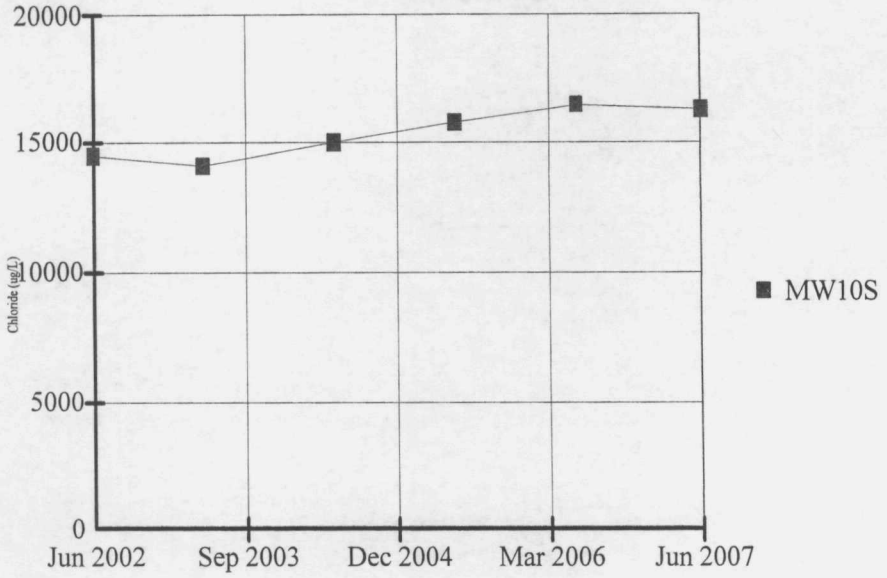
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:31 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

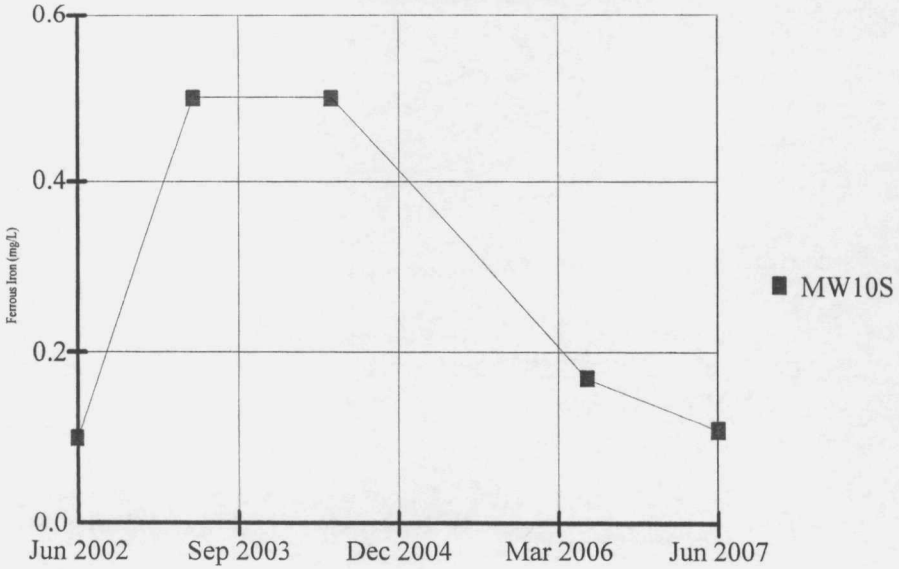
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:31 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

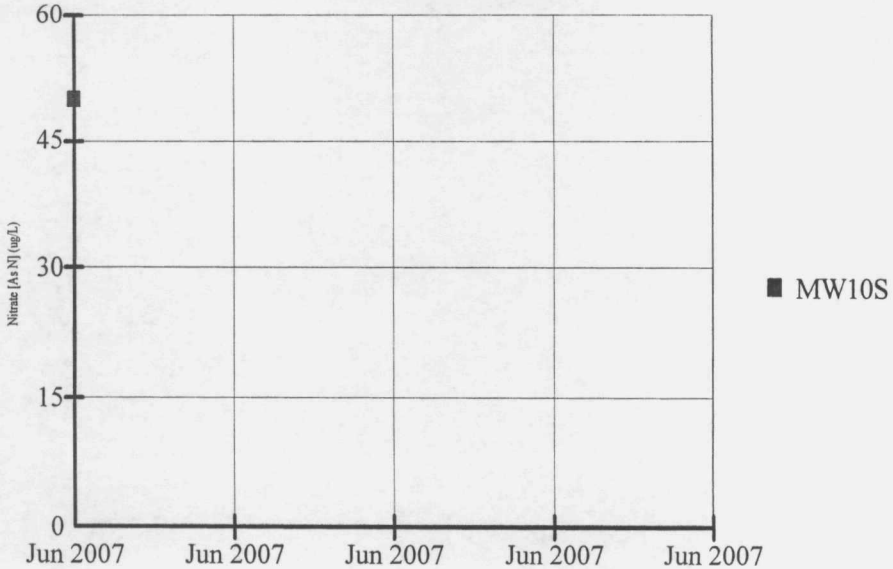
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:32 PM Client: Shaw Environmental, Inc. View: _Batch_

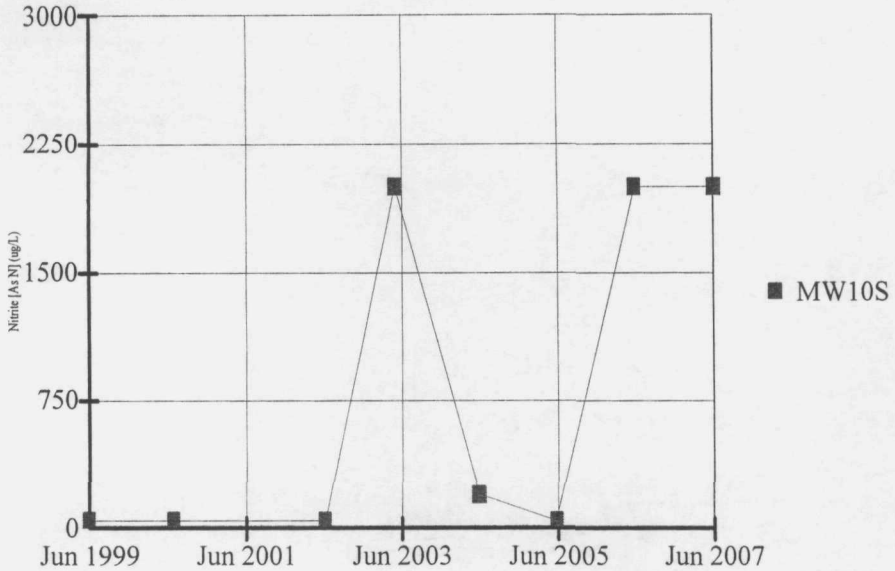
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:32 PM Client: Shaw Environmental, Inc. View: _Batch_

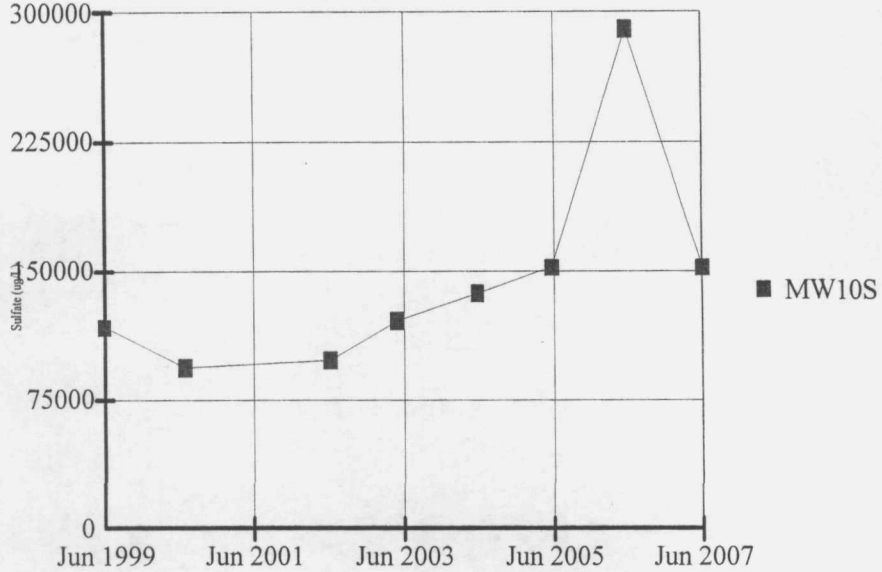
TIME SERIES



Constituent: Nitrite [As N] (ug/L) acility: Lake Landfill Data File: metals test
Date: 11/19/07, 4:32 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

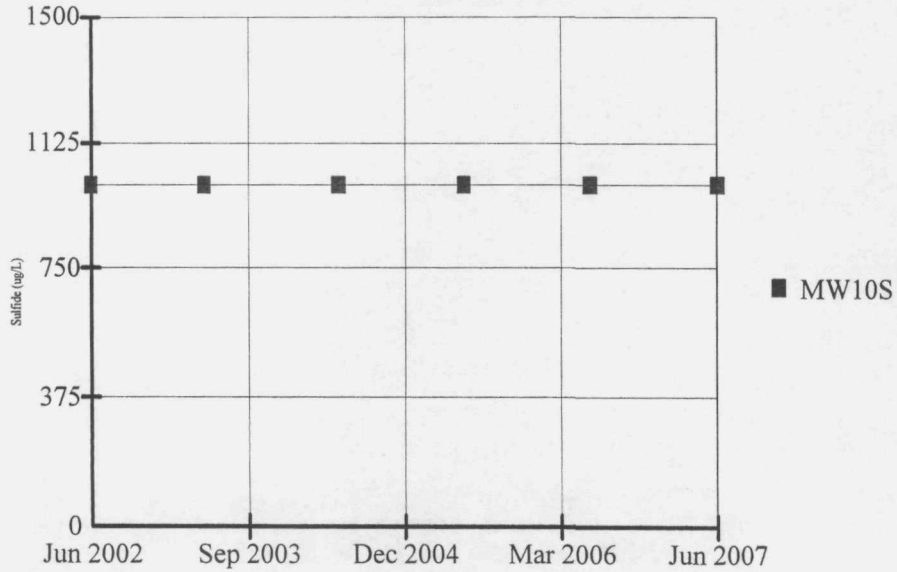
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:32 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

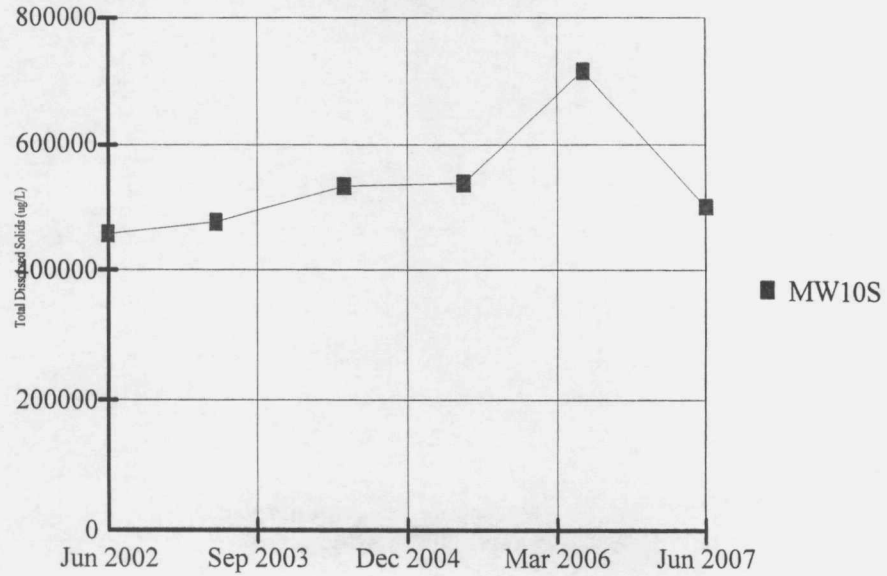
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:32 PM Client: Shaw Environmental, Inc. View: _Batch_

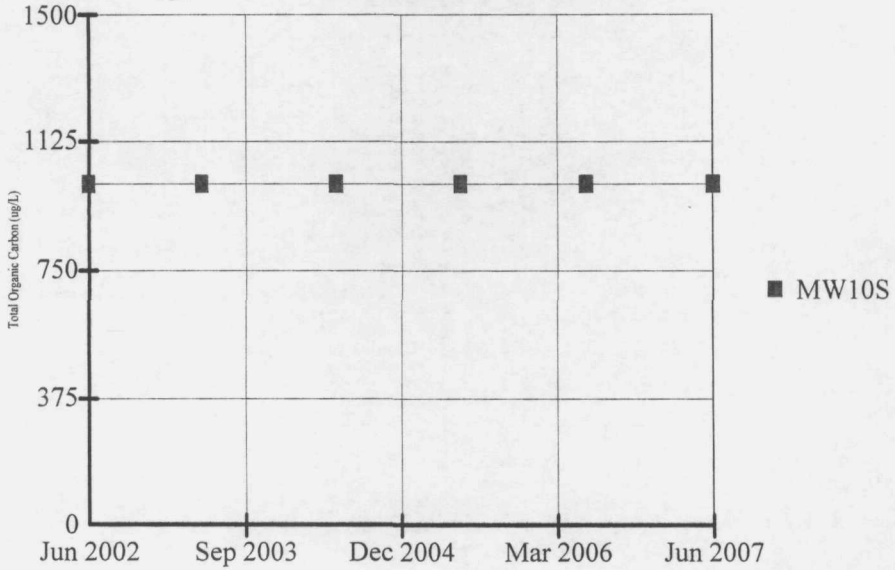
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:32 PM Client: Shaw Environmental, Inc. View: _Batch_

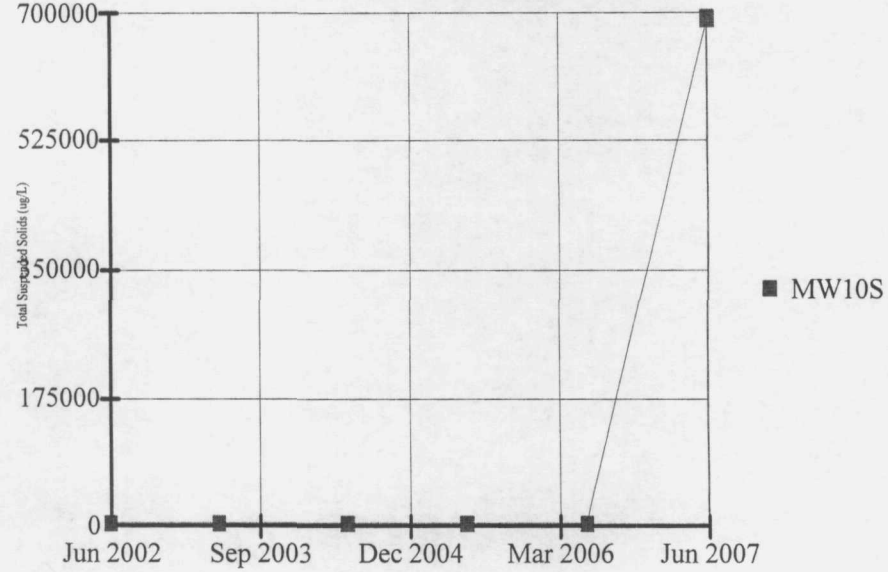
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:32 PM Client: Shaw Environmental, Inc. View: _Batch_

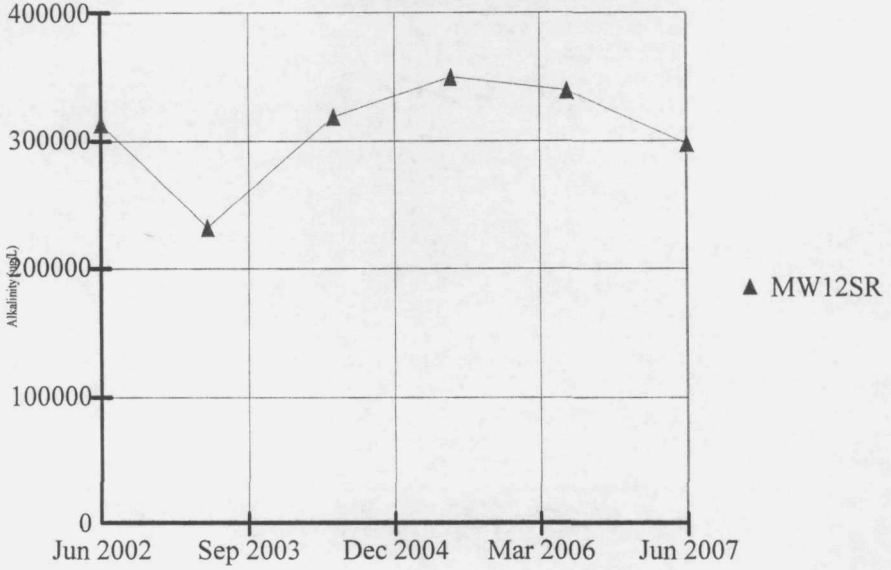
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:33 PM Client: Shaw Environmental, Inc. View: _Batch_

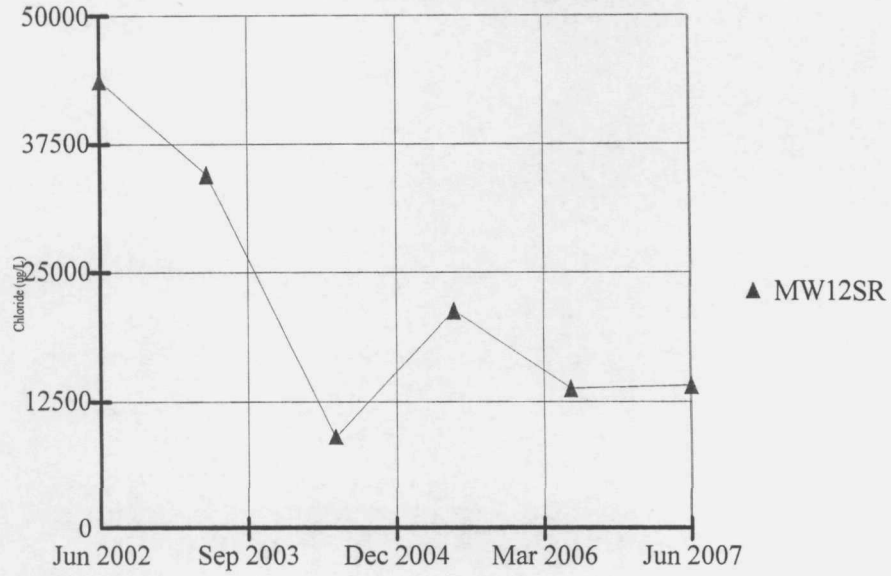
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:33 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

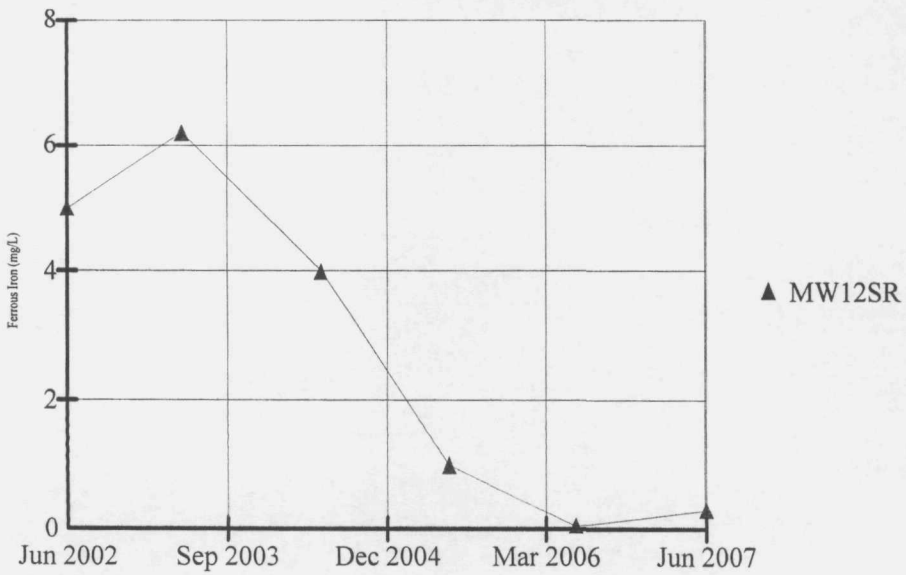
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:33 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

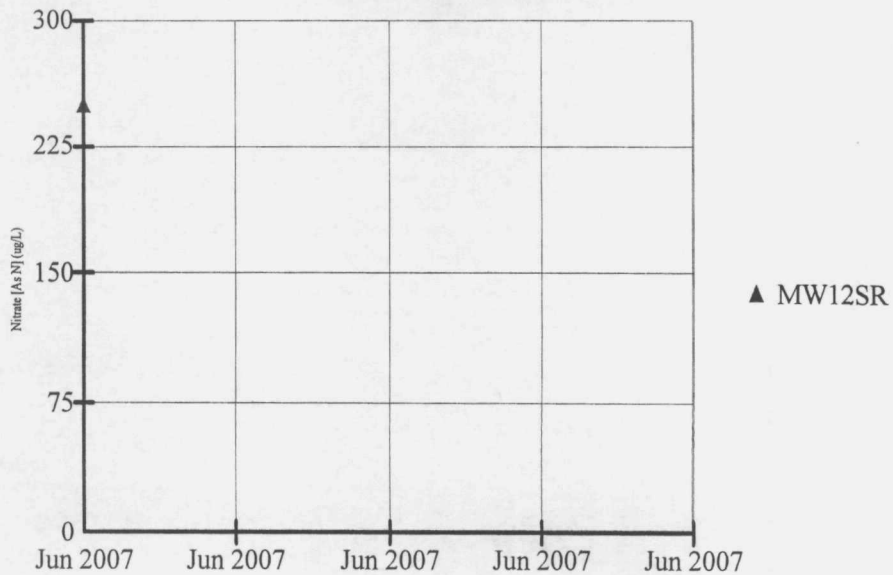
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:33 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

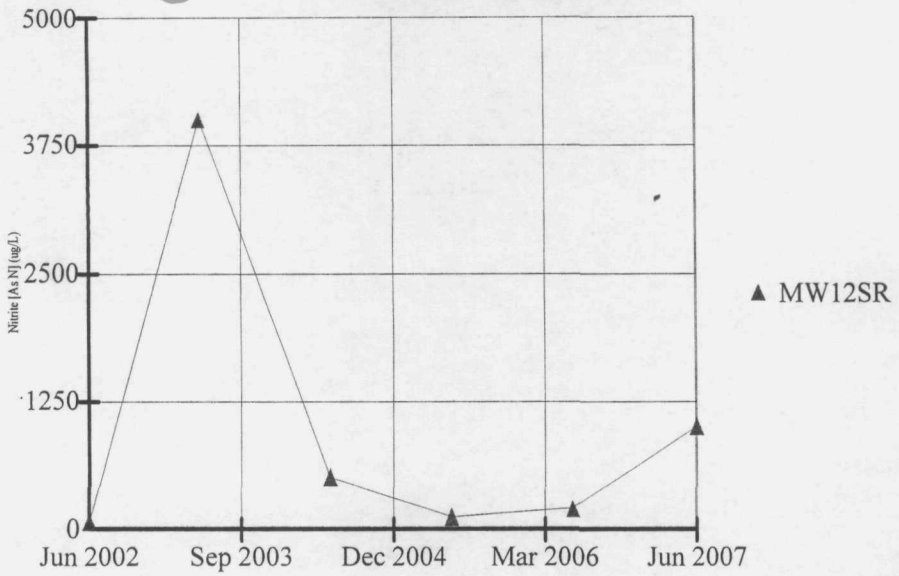
TIME SERIES



Constituent: Nitrate [As N] (ug/L) 1 Data File: metals test
Date: 11/19/07, 4:33 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

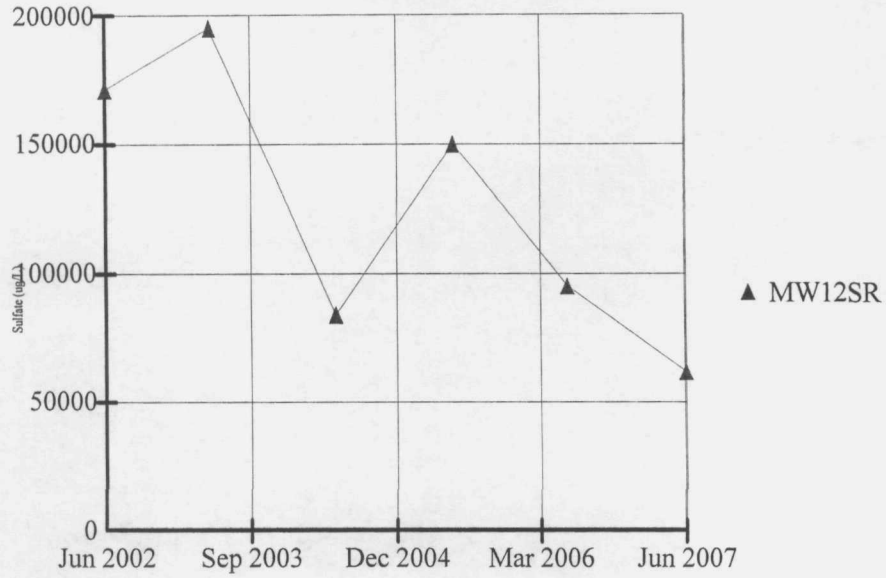
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:33 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

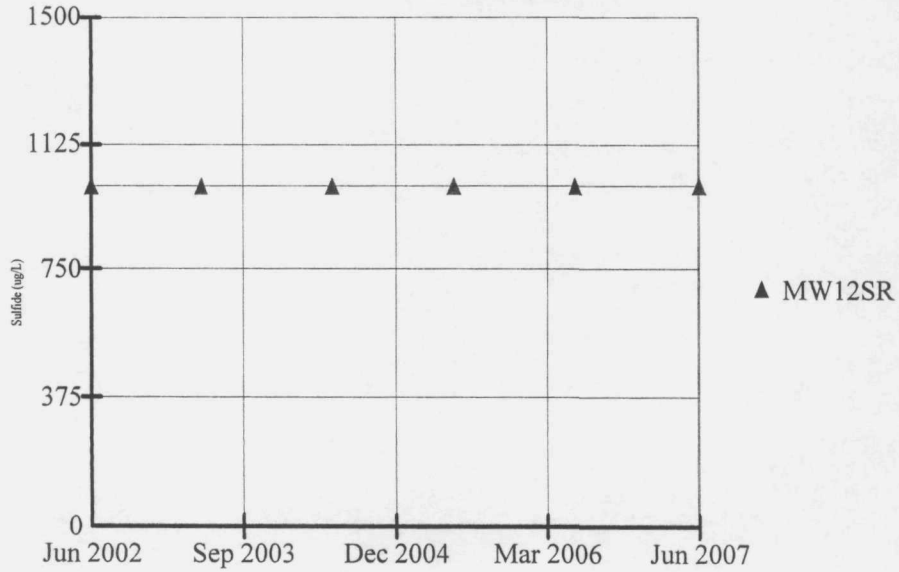
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:34 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

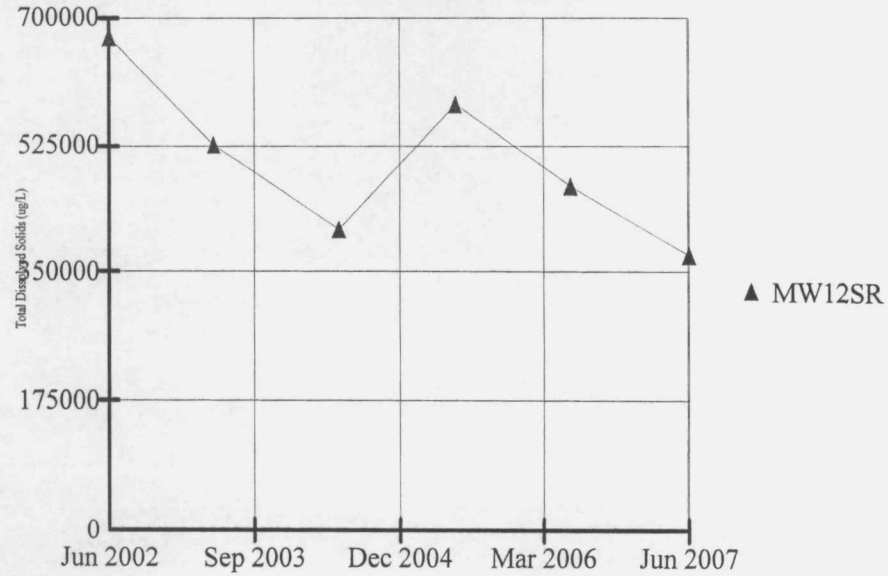
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:34 PM Client: Shaw Environmental, Inc. View: _Batch_

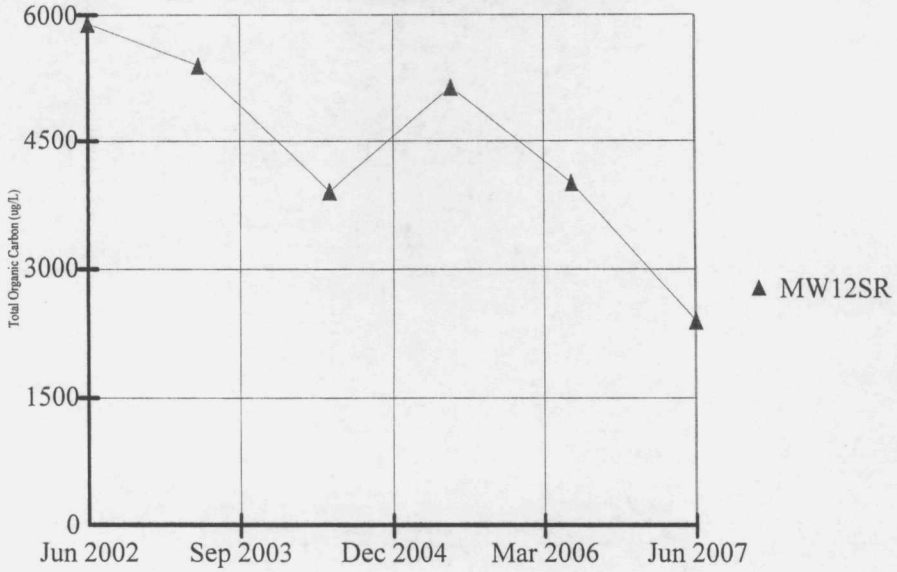
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:34 PM Client: Shaw Environmental, Inc. View: _Batch_

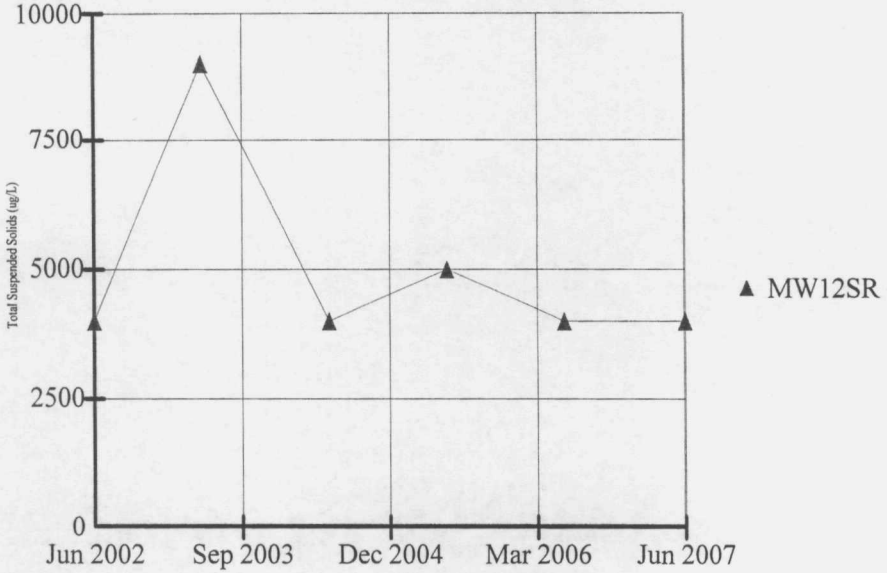
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:34 PM Client: Shaw Environmental, Inc. View: _Batch_

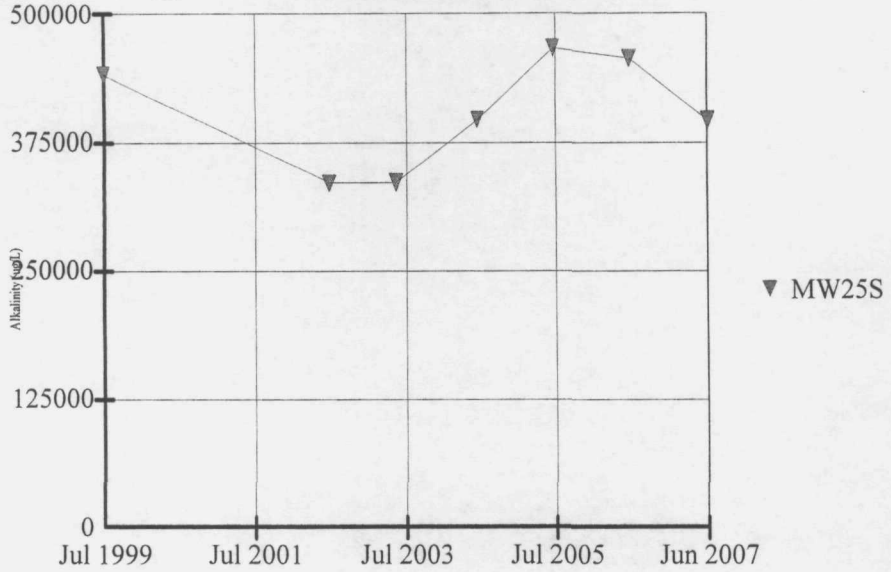
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:34 PM Client: Shaw Environmental, Inc. View: _Batch_

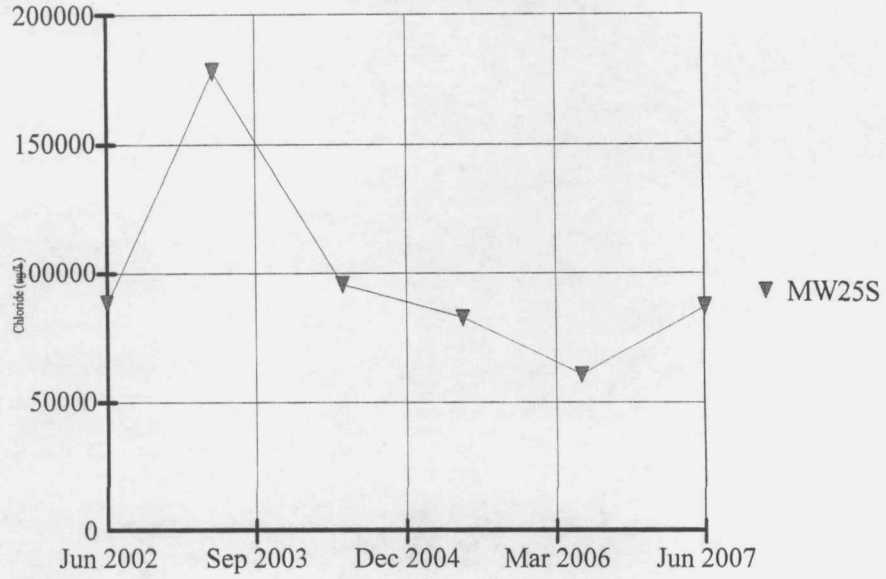
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:35 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

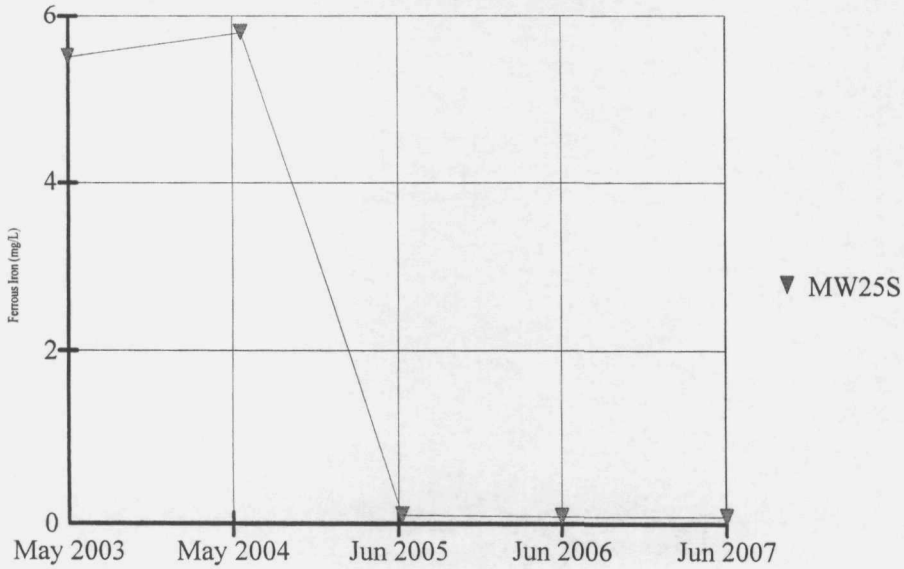
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:35 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

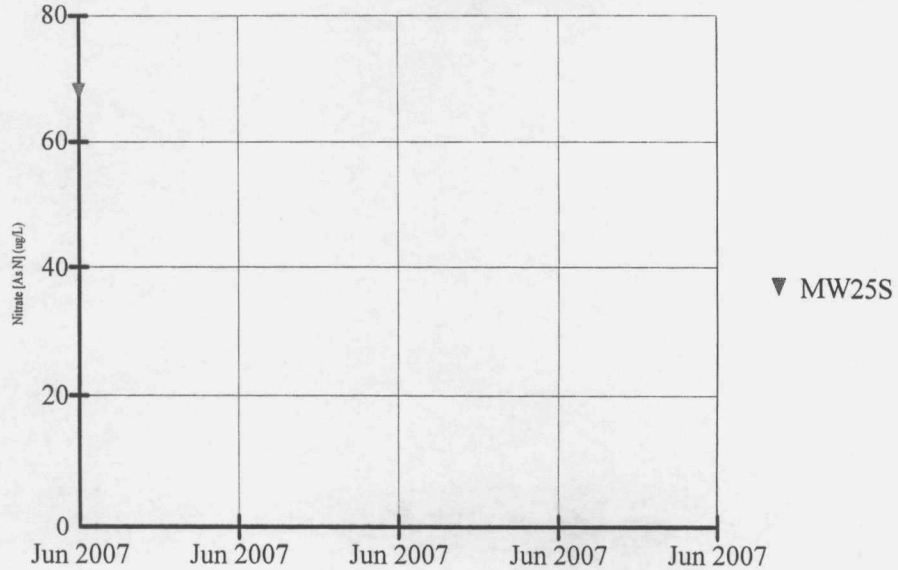
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:35 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

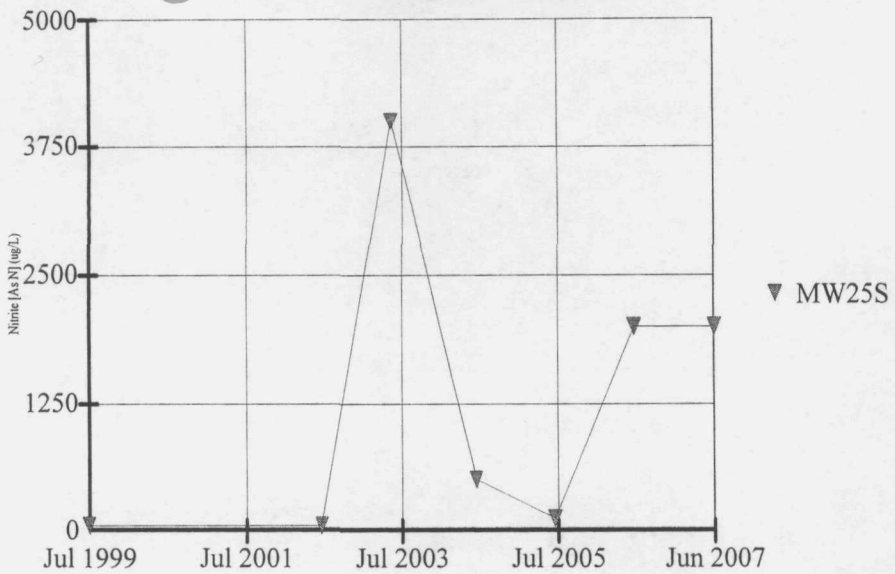
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:35 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

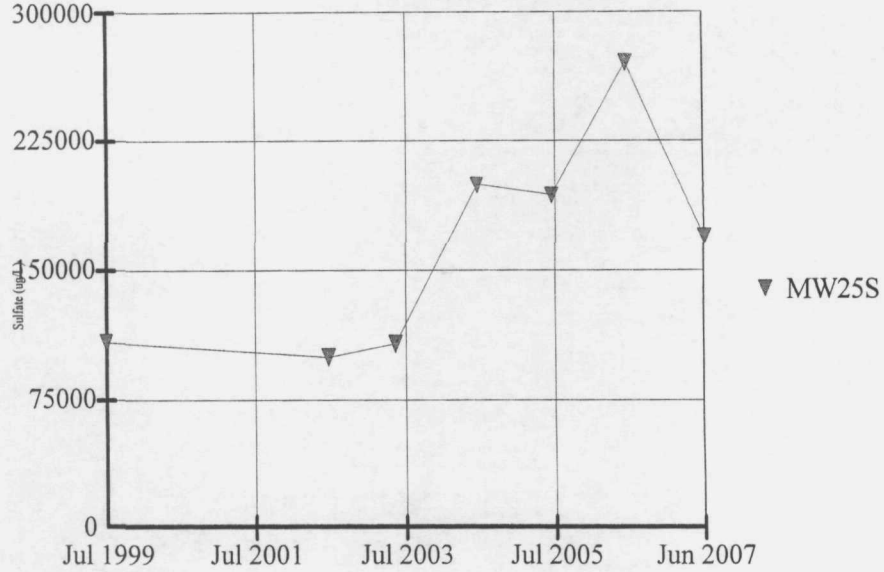
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:35 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:35 PM Client: Shaw Environmental, Inc. View: _Batch_

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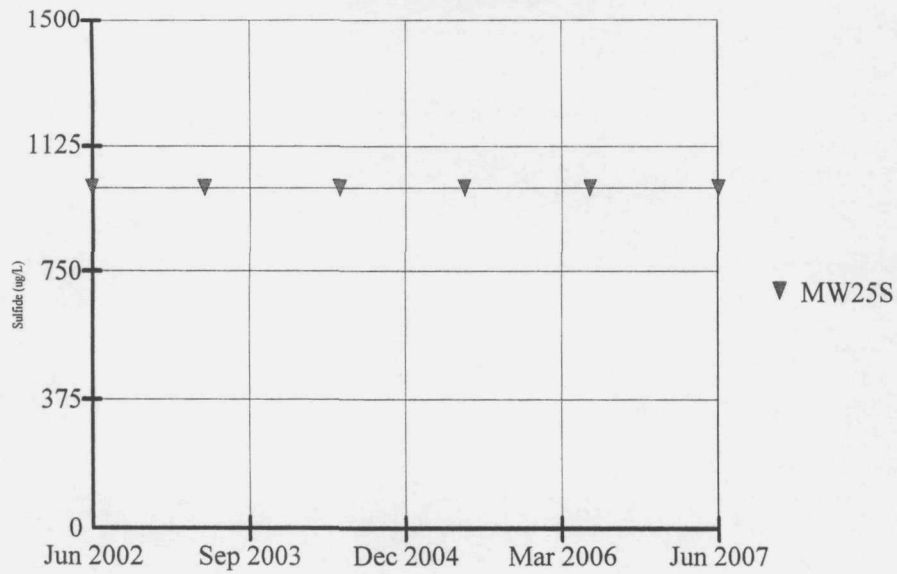
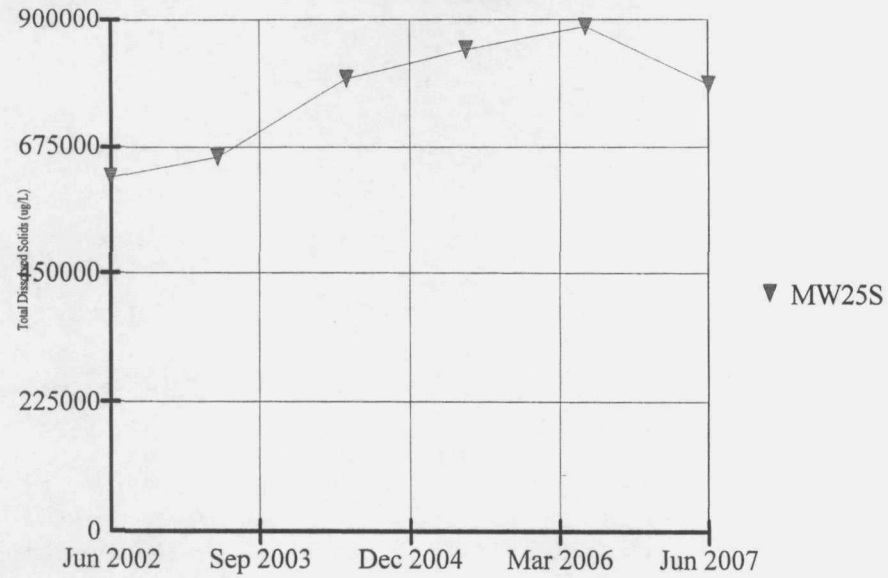
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:36 PM Client: Shaw Environmental, Inc. View: _Batch_

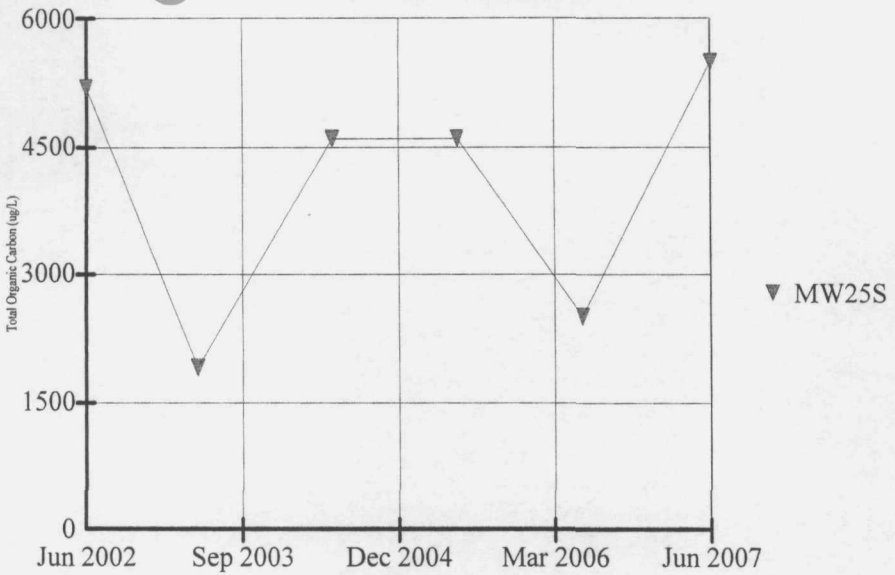
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:36 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:36 PM Client: Shaw Environmental, Inc. View: _Batch_

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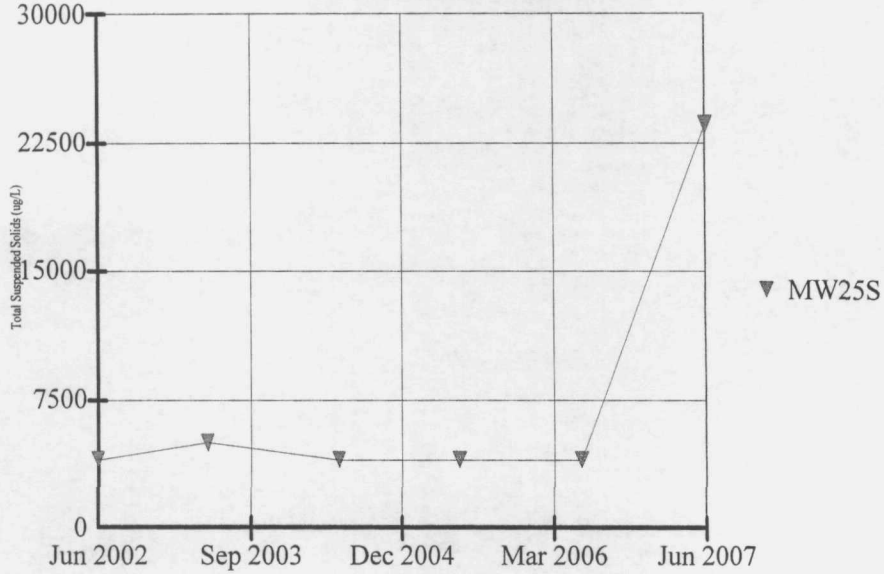
TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:36 PM Client: Shaw Environmental, Inc. View: _Batch_

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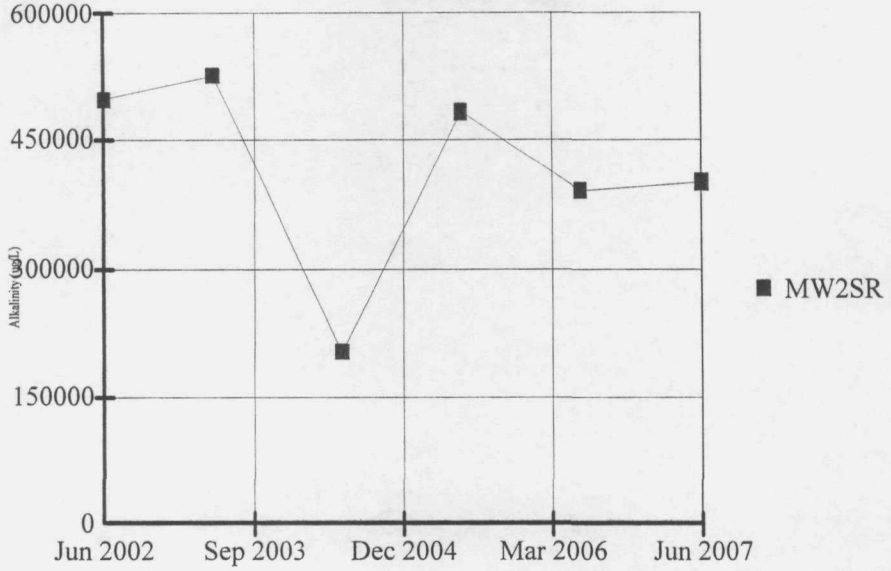
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:36 PM Client: Shaw Environmental, Inc. View: _Batch_

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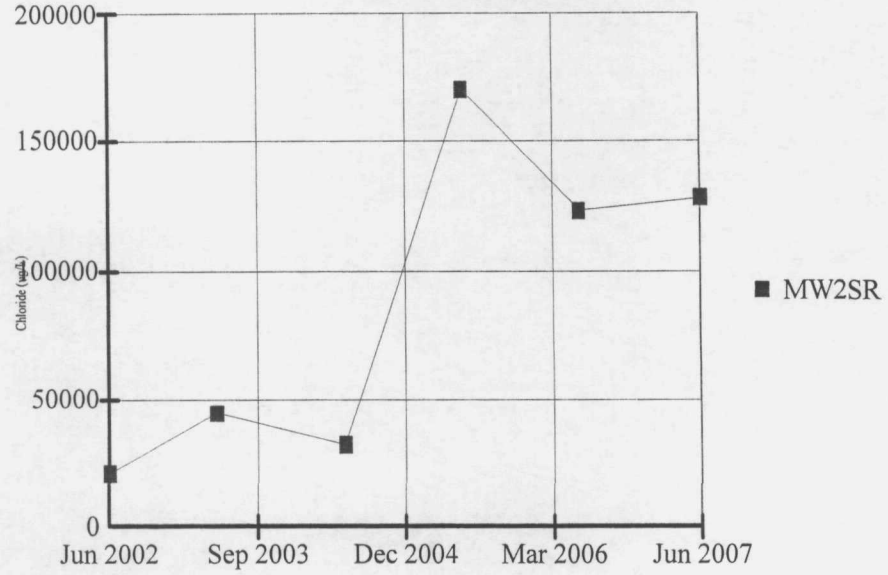
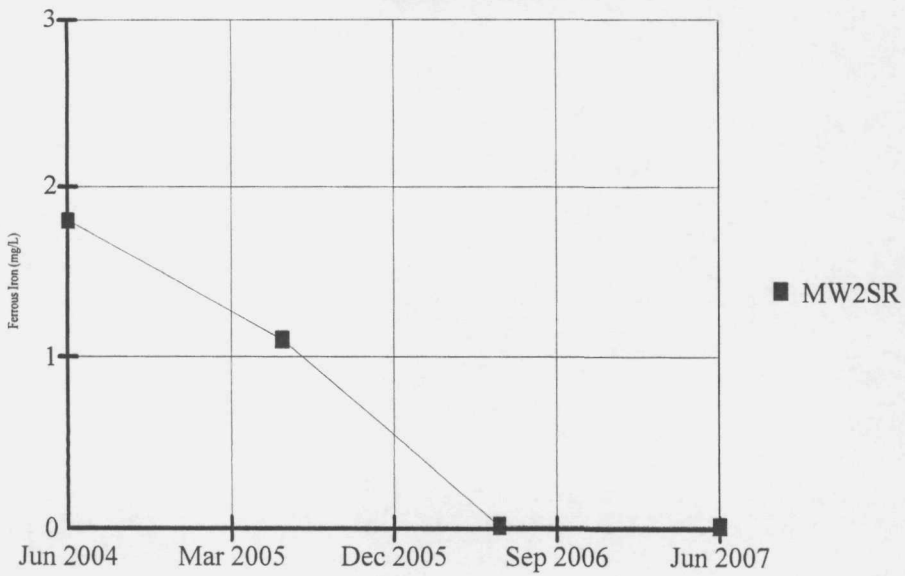
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:36 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

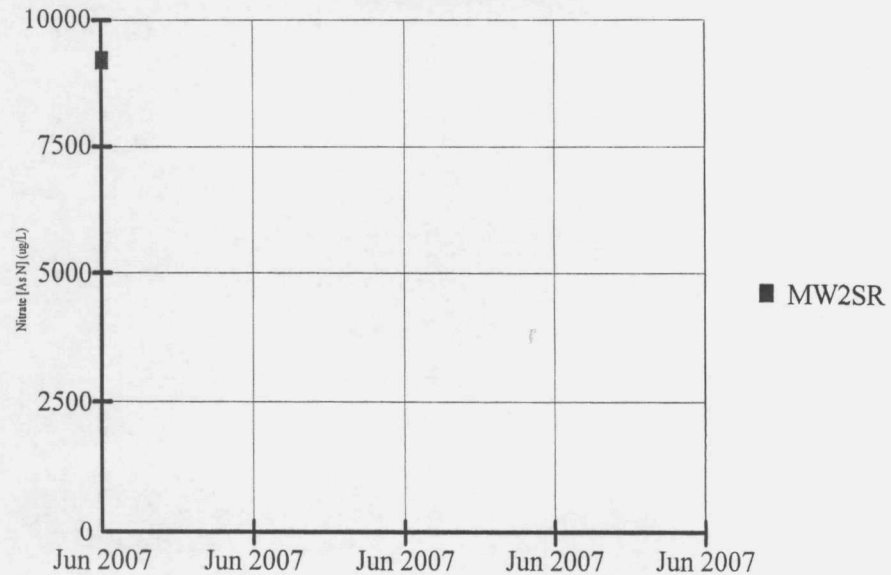
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:37 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:37 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

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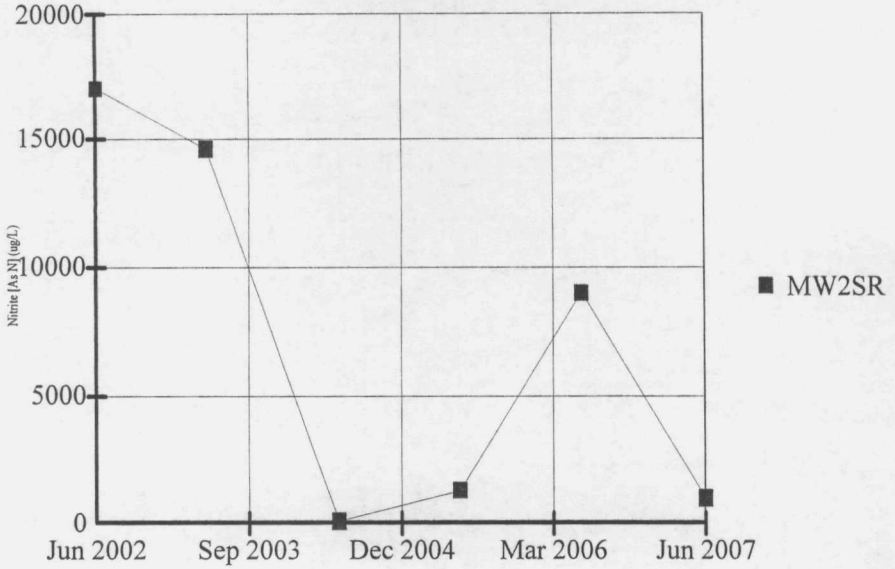

Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:37 PM Client: Shaw Environmental, Inc. View: _Batch_

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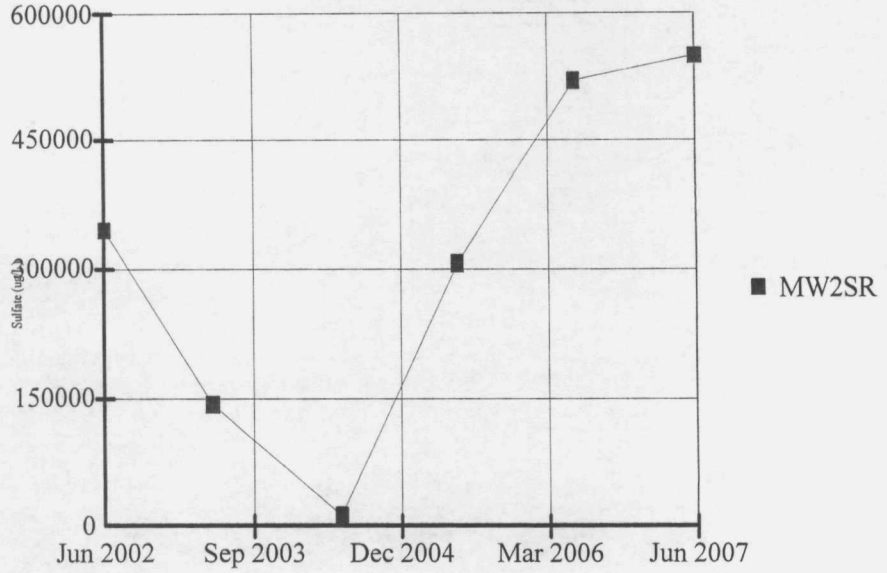
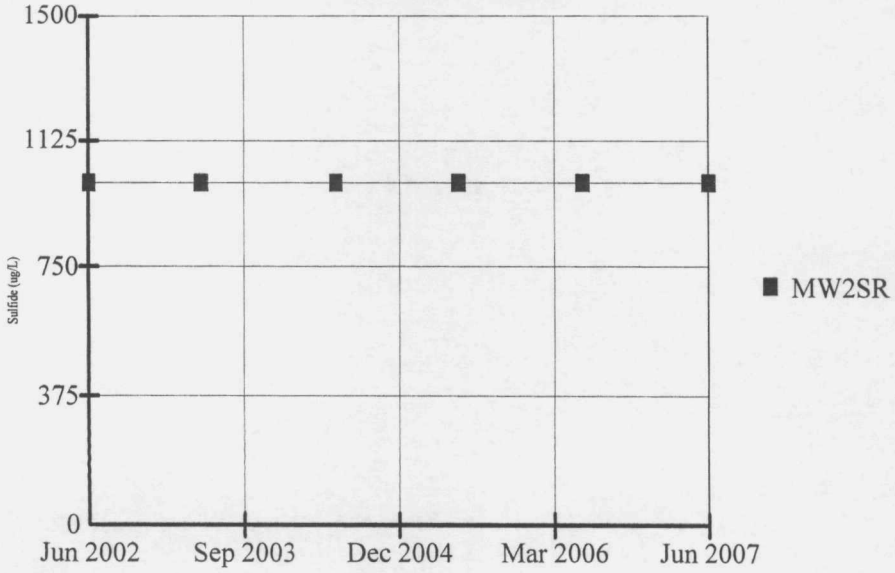
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:37 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

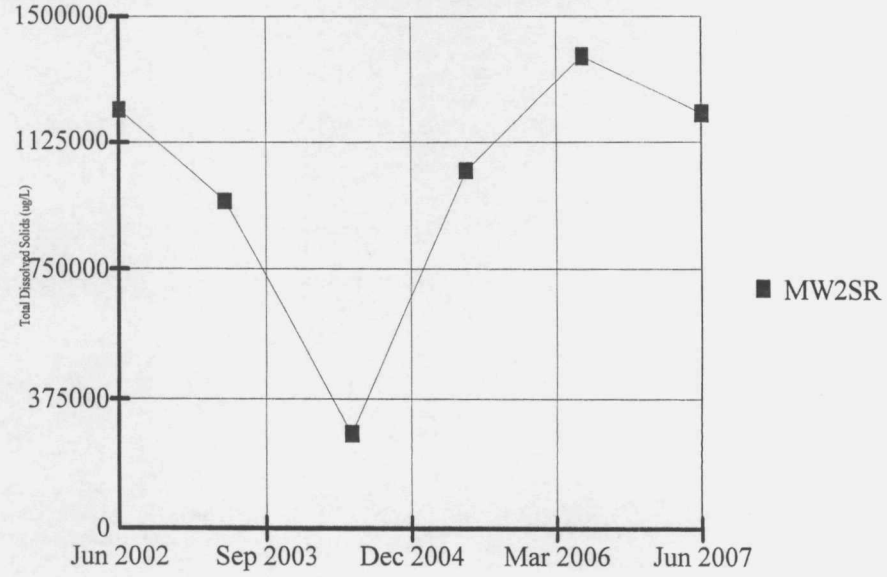
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:37 PM Client: Shaw Environmental, Inc. View: _Batch_

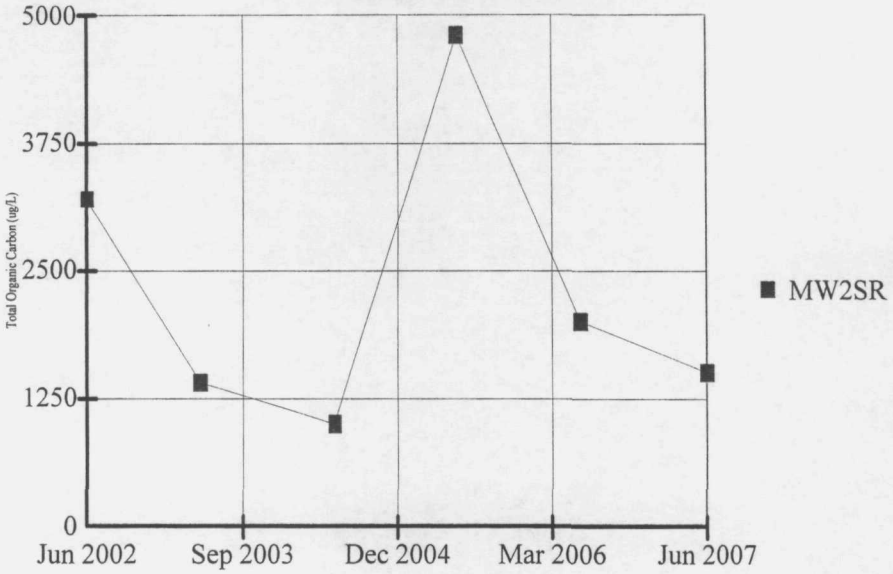
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:37 PM Client: Shaw Environmental, Inc. View: _Batch_

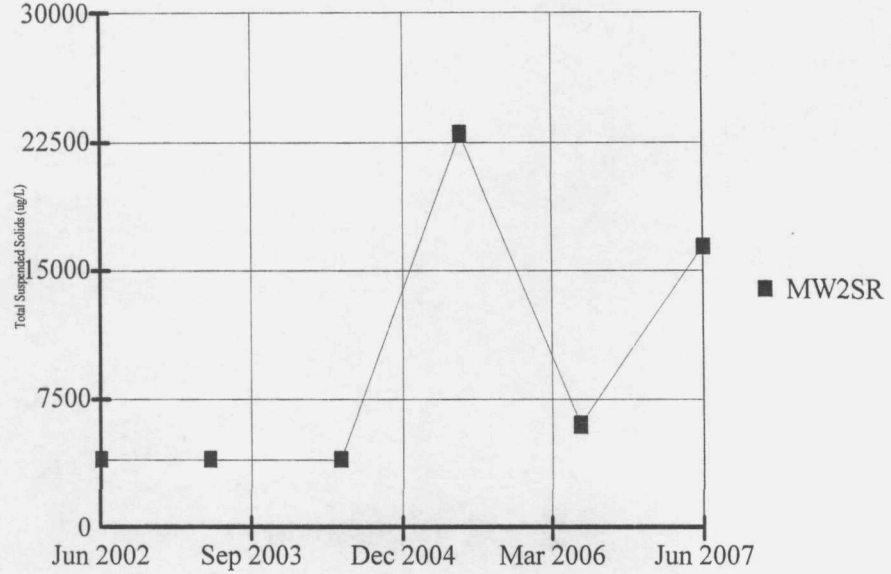
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:37 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

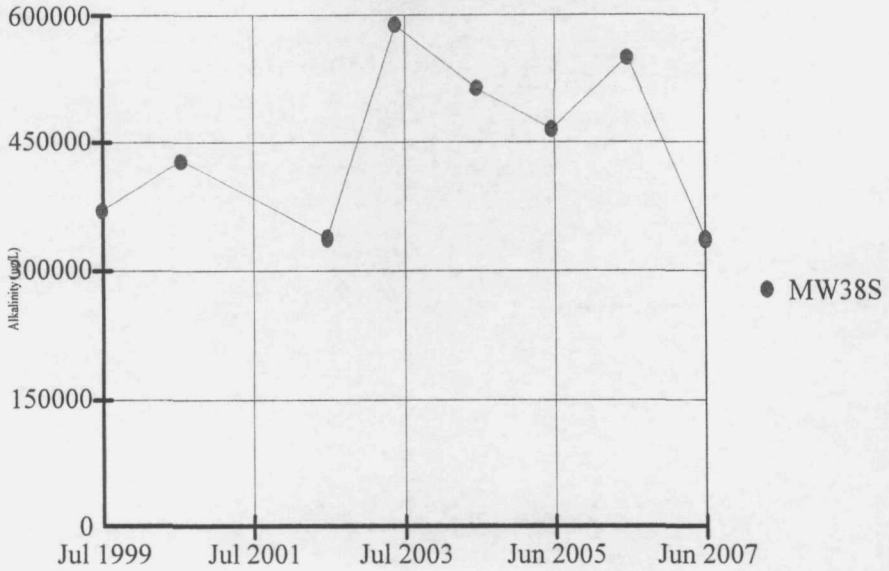
TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:37 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

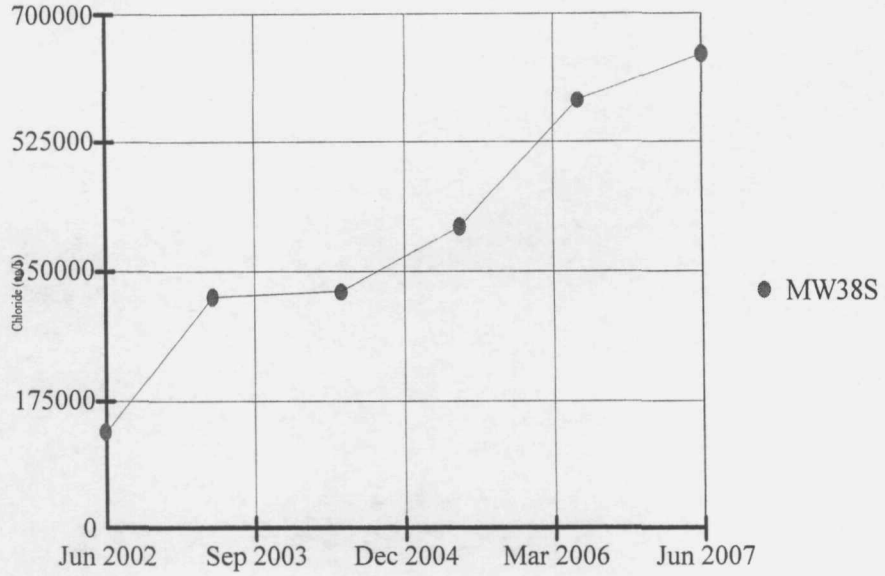
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:38 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

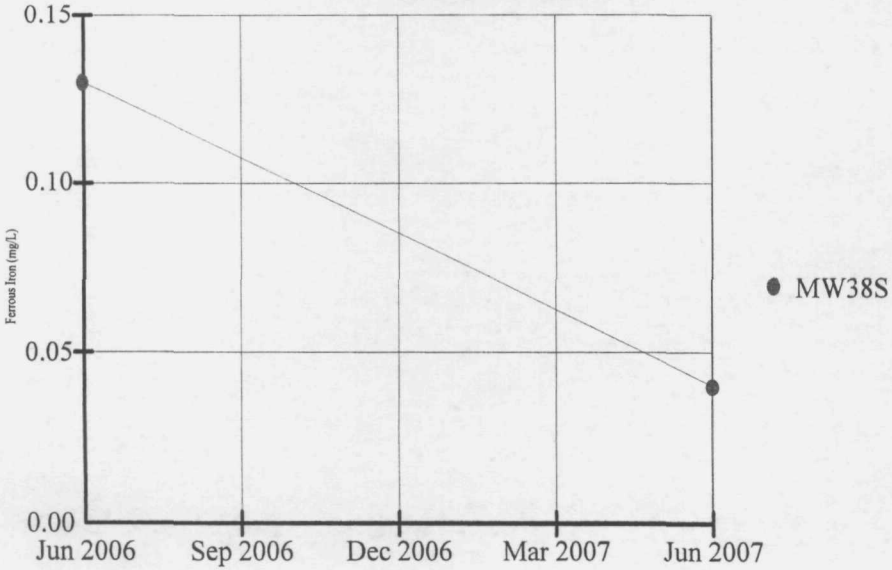
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:38 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

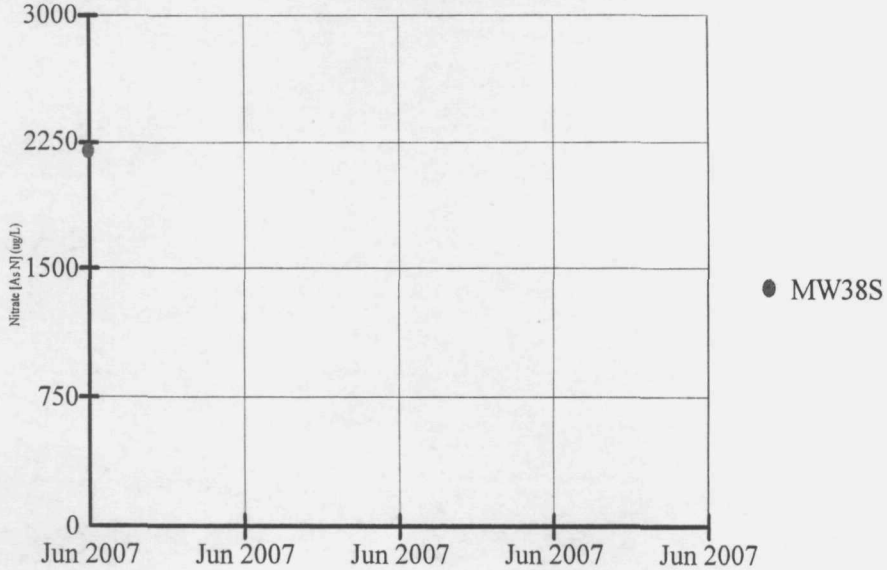
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:38 PM Client: Shaw Environmental, Inc. View: _Batch_

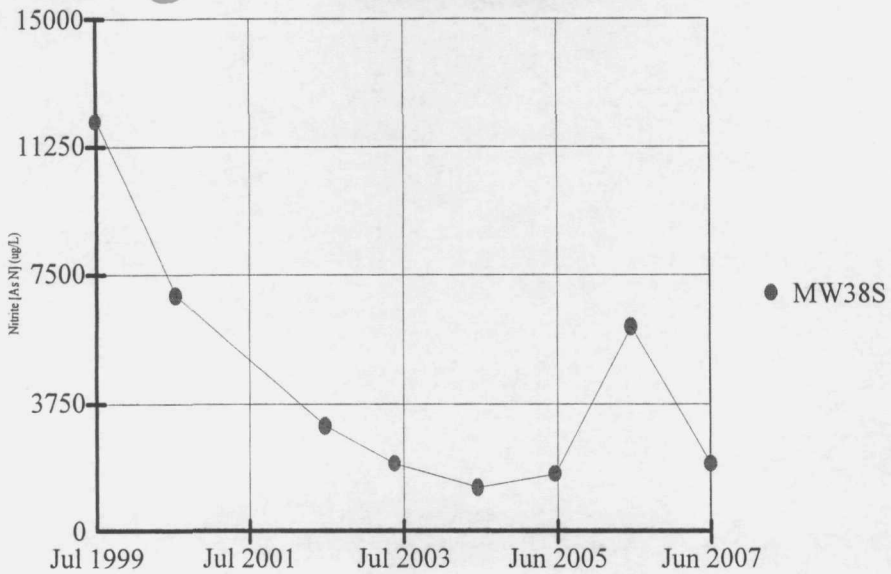
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:38 PM Client: Shaw Environmental, Inc. View: _Batch_

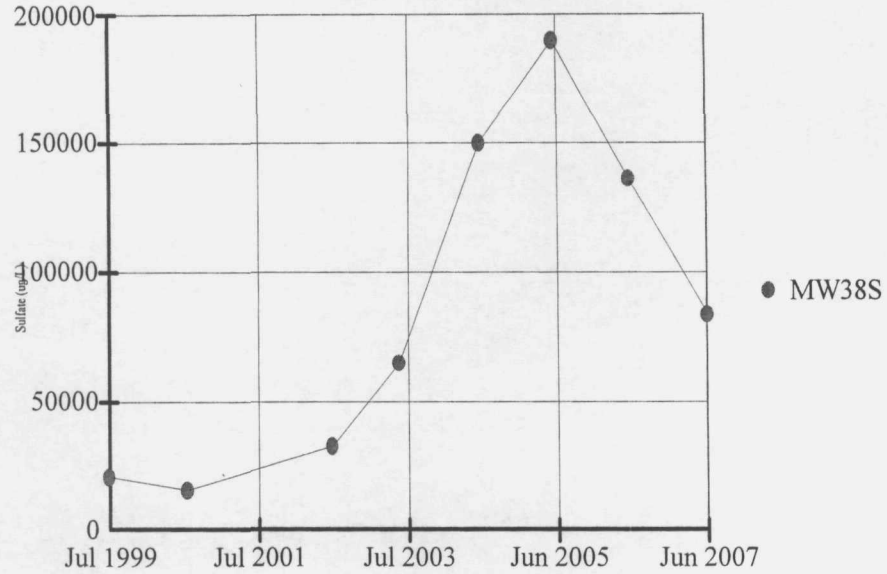
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:38 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

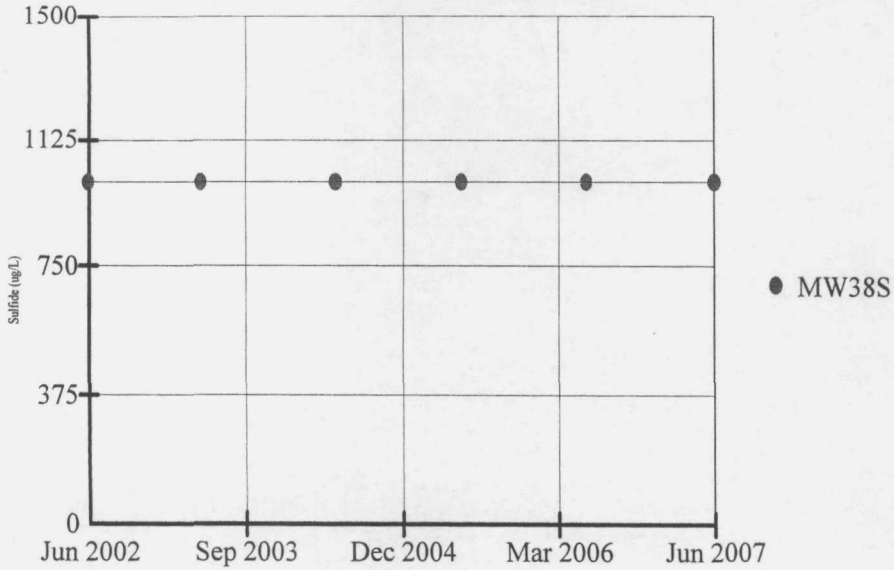
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:39 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

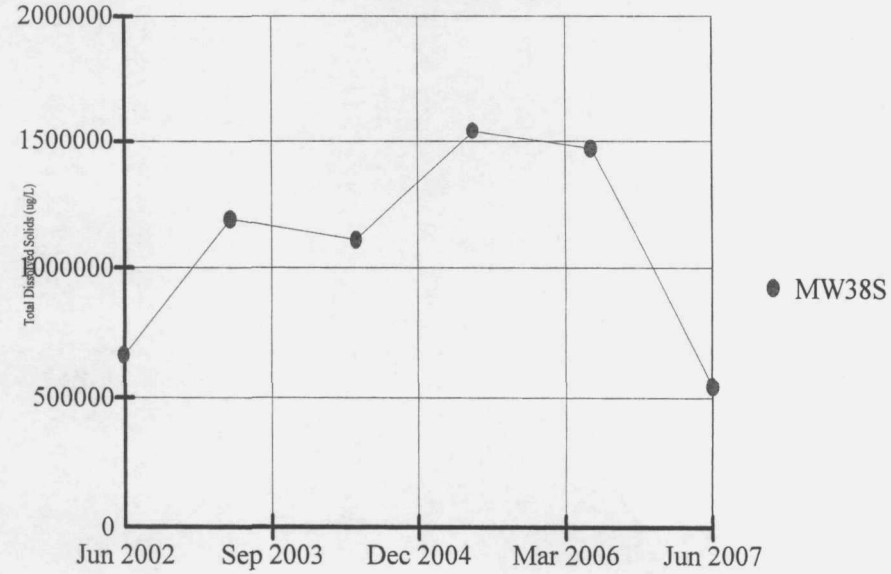
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:39 PM Client: Shaw Environmental, Inc. View: _Batch_

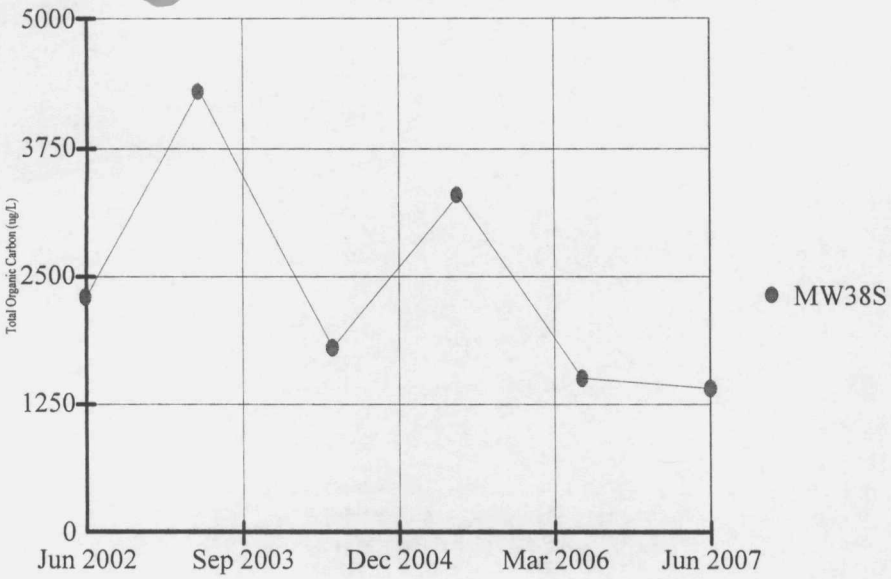
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



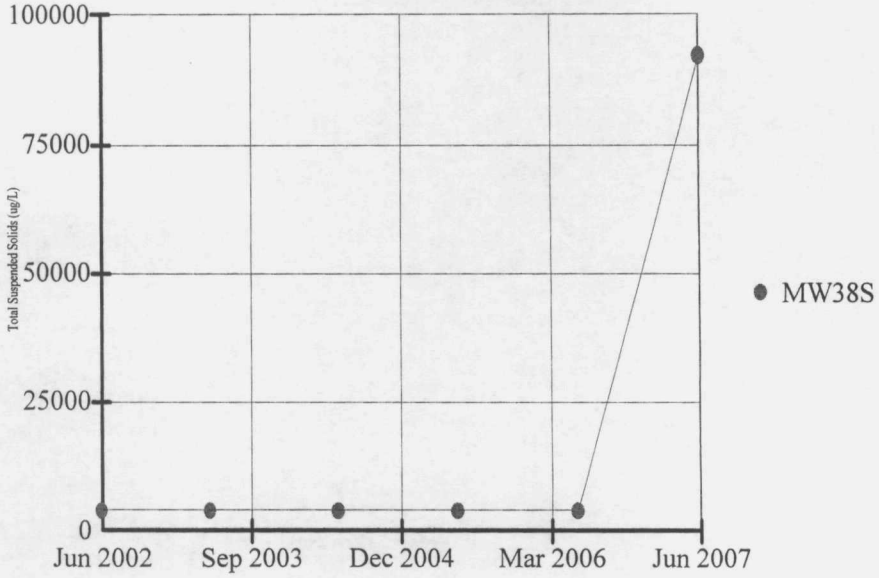
Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:39 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:39 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES



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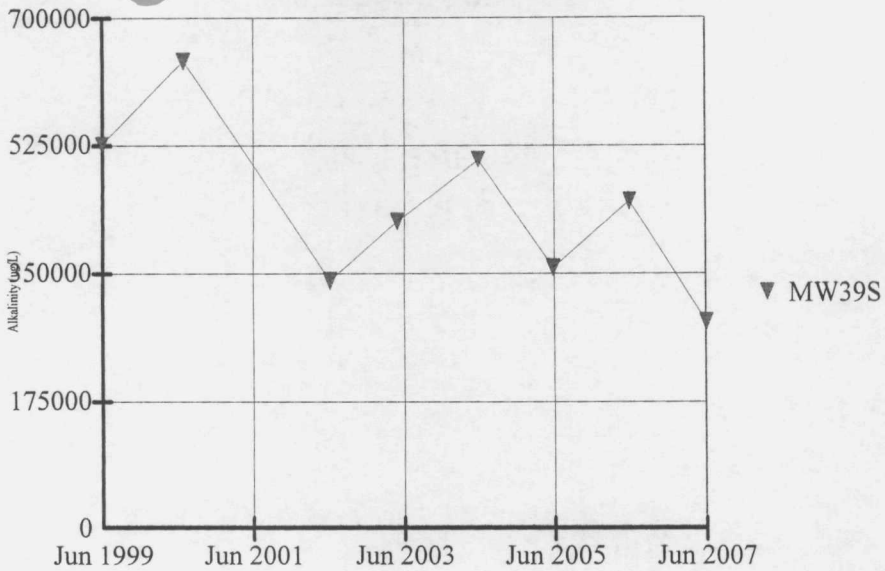
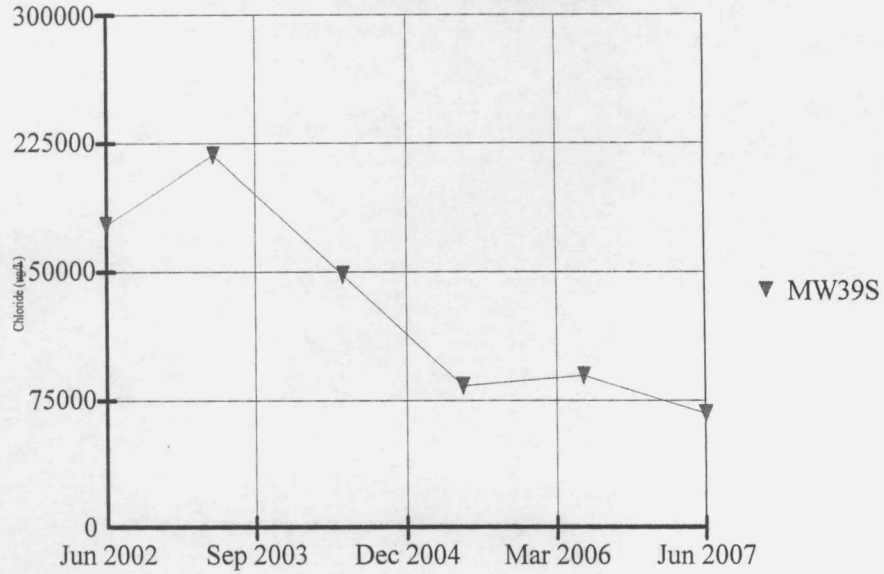
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:39 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

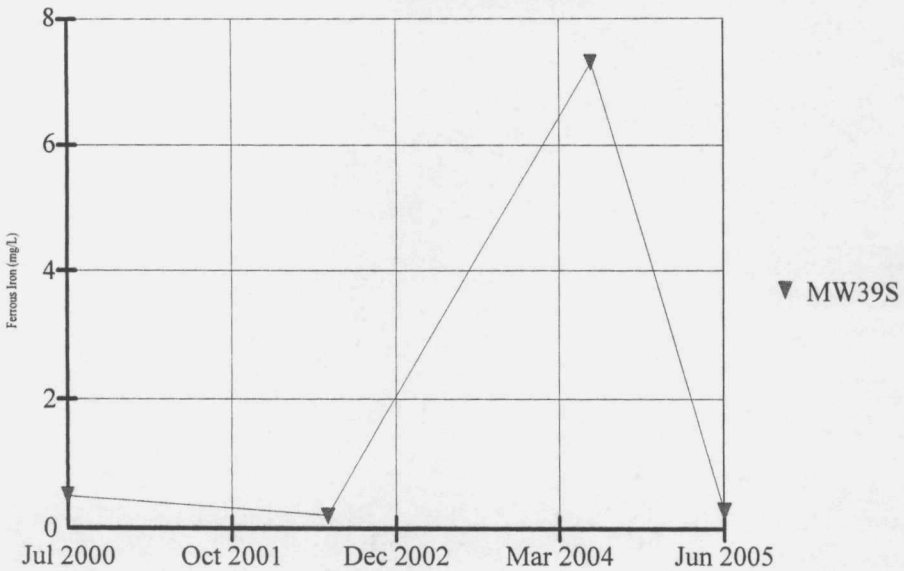
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:40 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

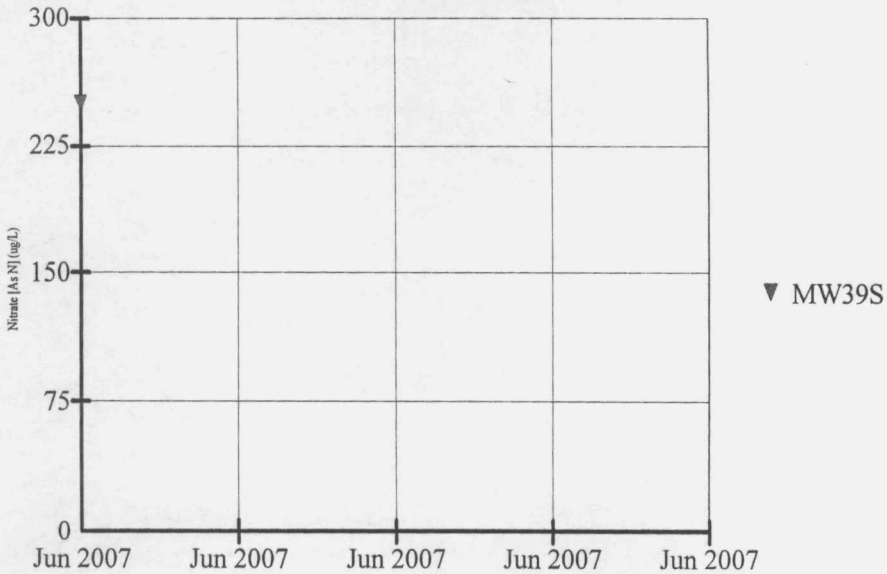
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:40 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

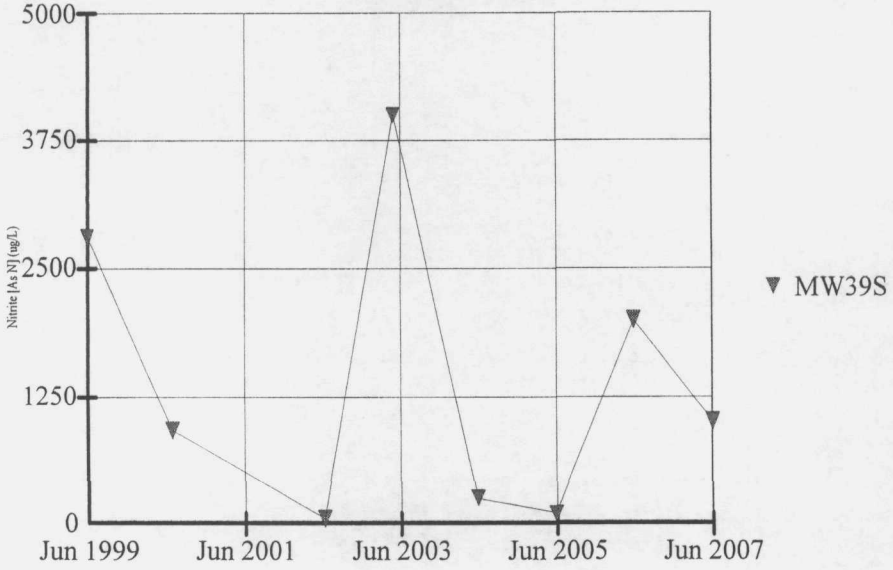
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:40 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

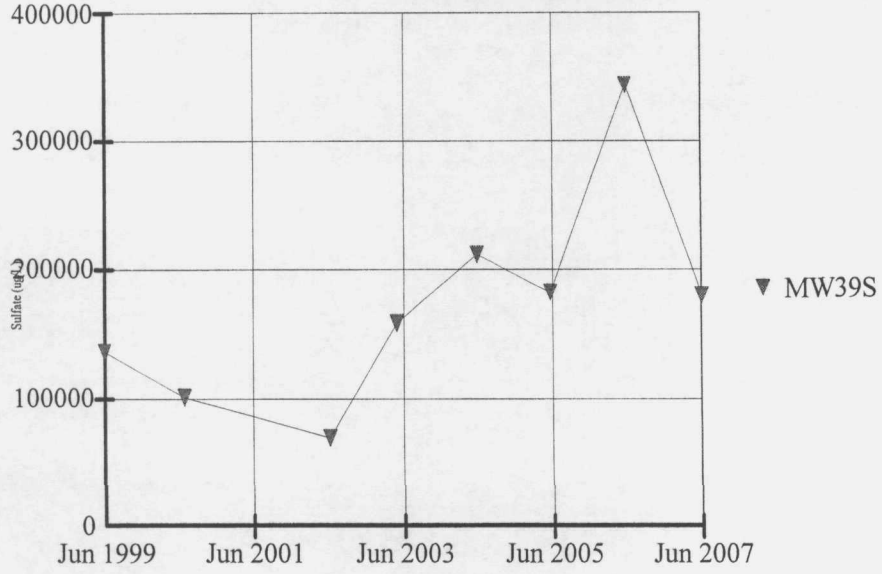
TIME SERIES



Constituent: Nitrite [As N] (ug/L) 1 Data File: metals test
Date: 11/19/07, 4:40 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

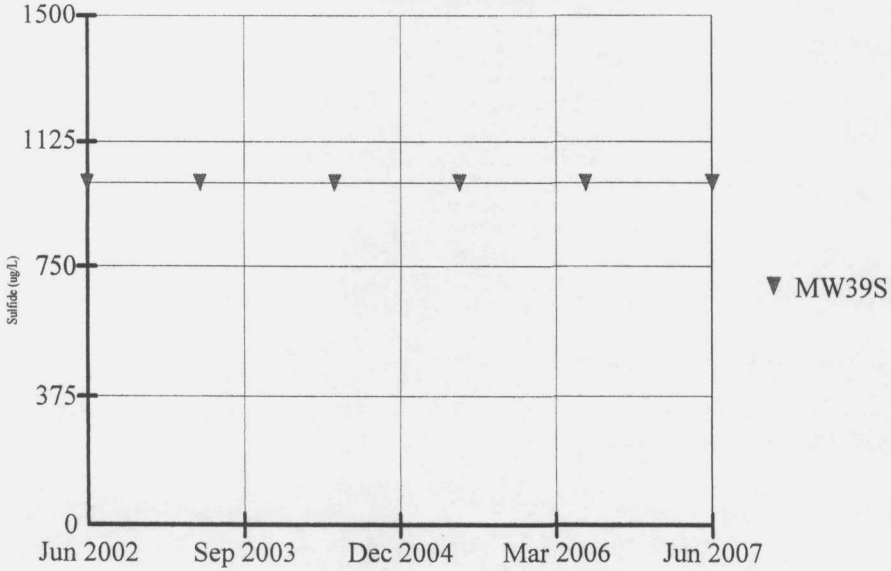
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:40 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

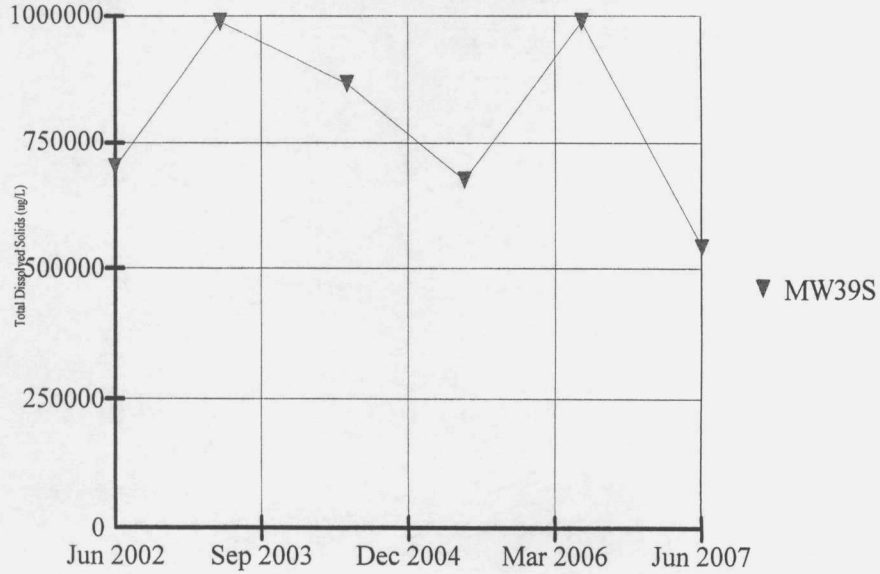
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:40 PM Client: Shaw Environmental, Inc. View: _Batch_

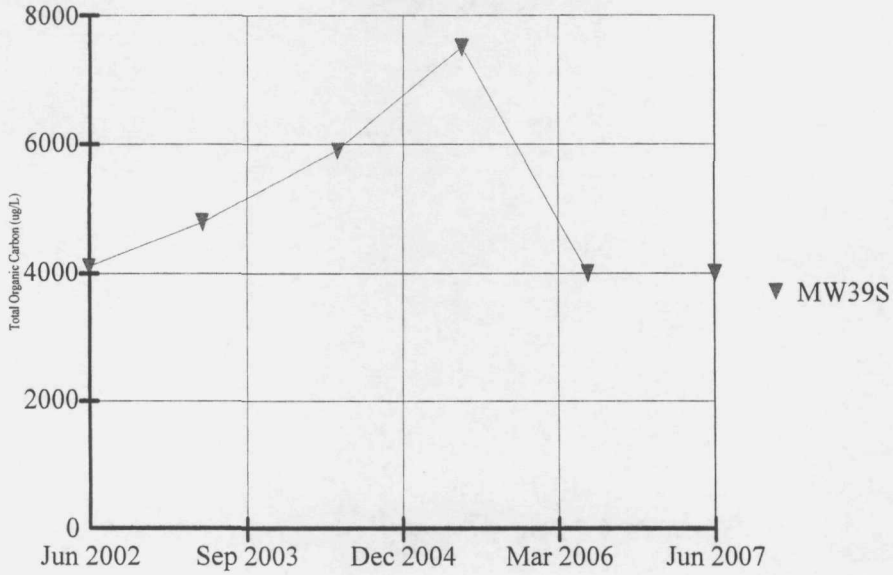
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:40 PM Client: Shaw Environmental, Inc. View: _Batch_

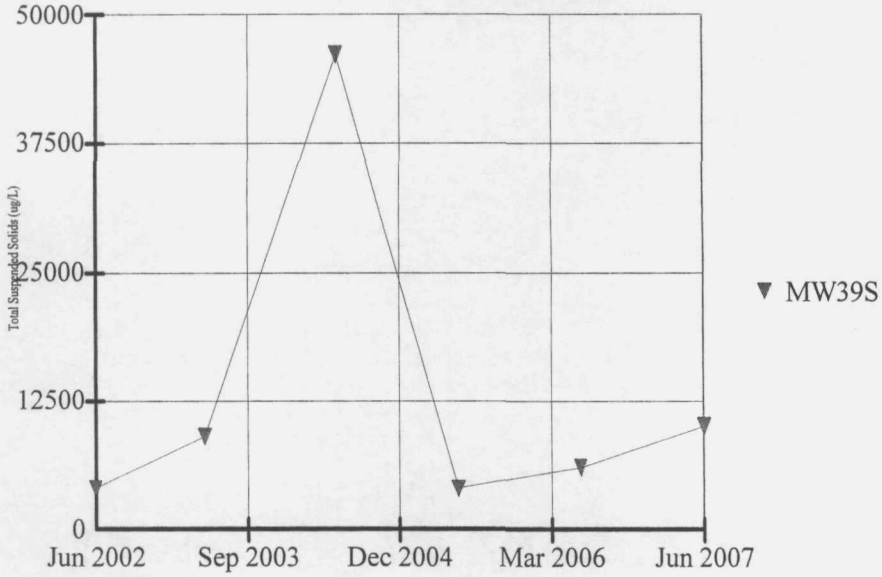
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:40 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

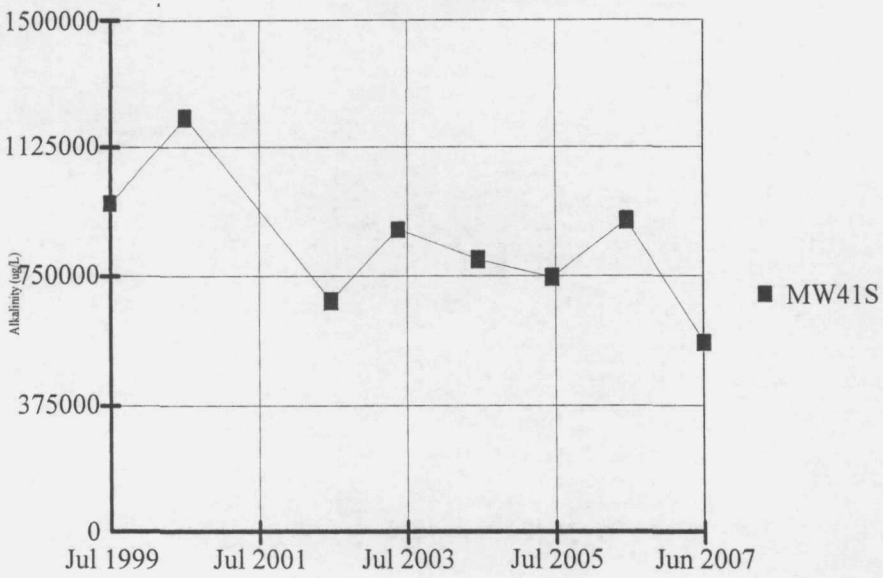
TIME SERIES



Constituent: Total Suspended Solids (ug/L) F Data File: metals test
Date: 11/19/07, 4:41 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

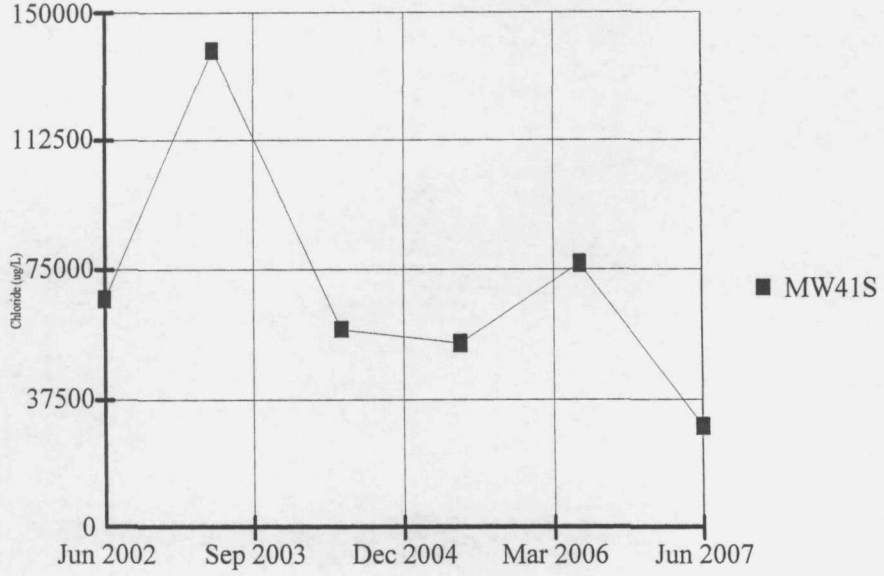
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:41 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

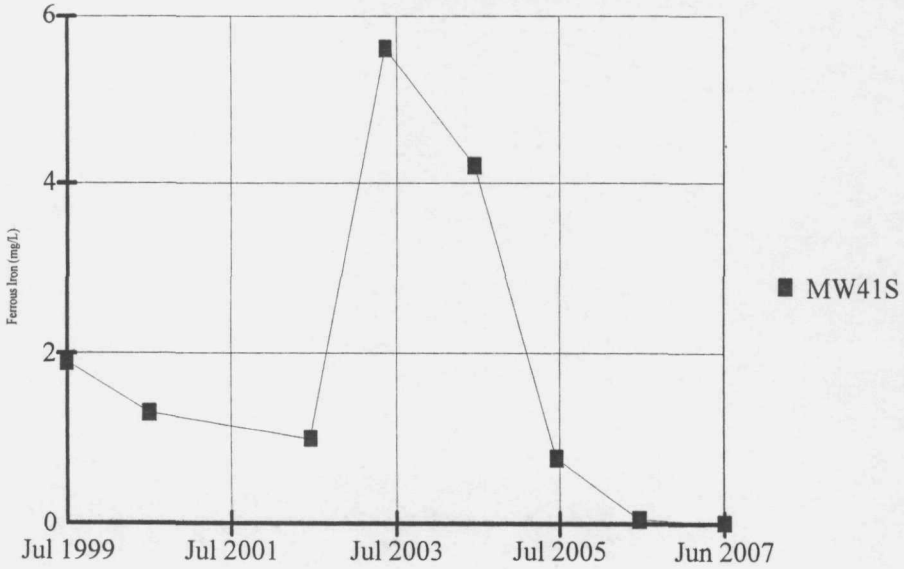
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:41 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

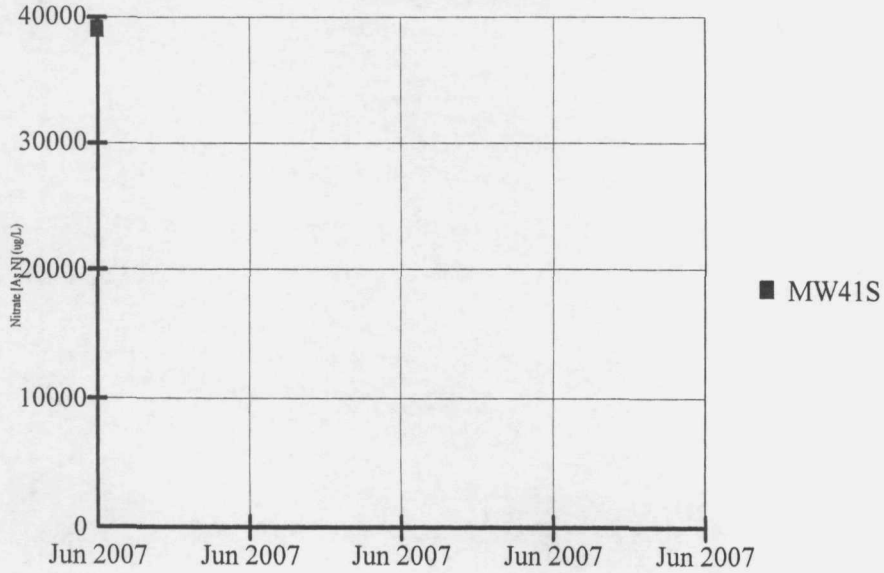
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:41 PM Client: Shaw Environmental, Inc. View: _Batch_

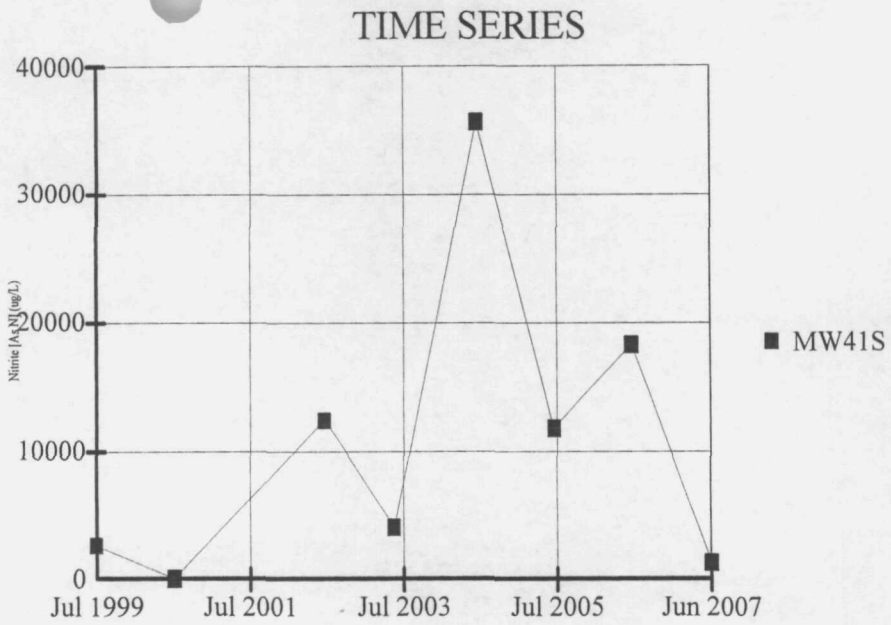
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



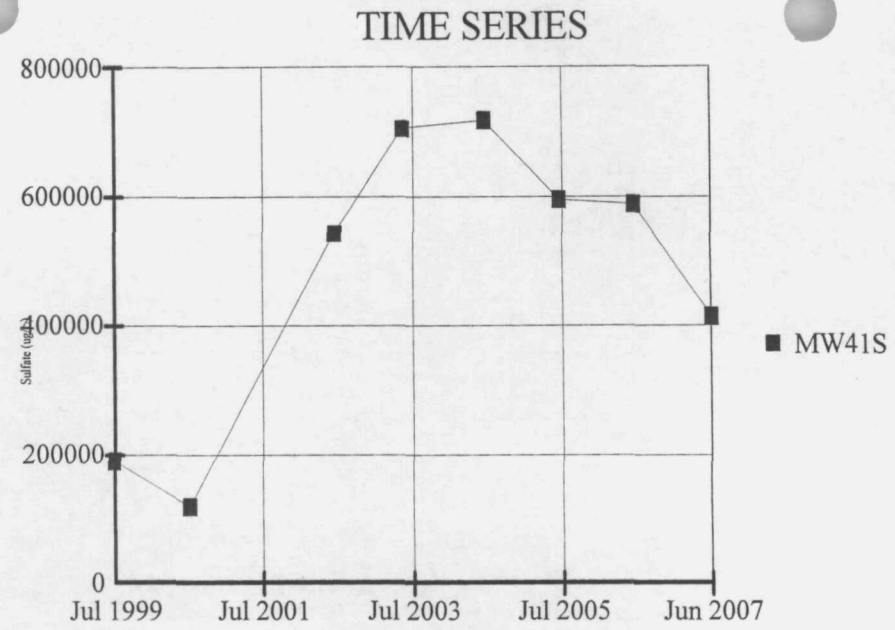
Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:41 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



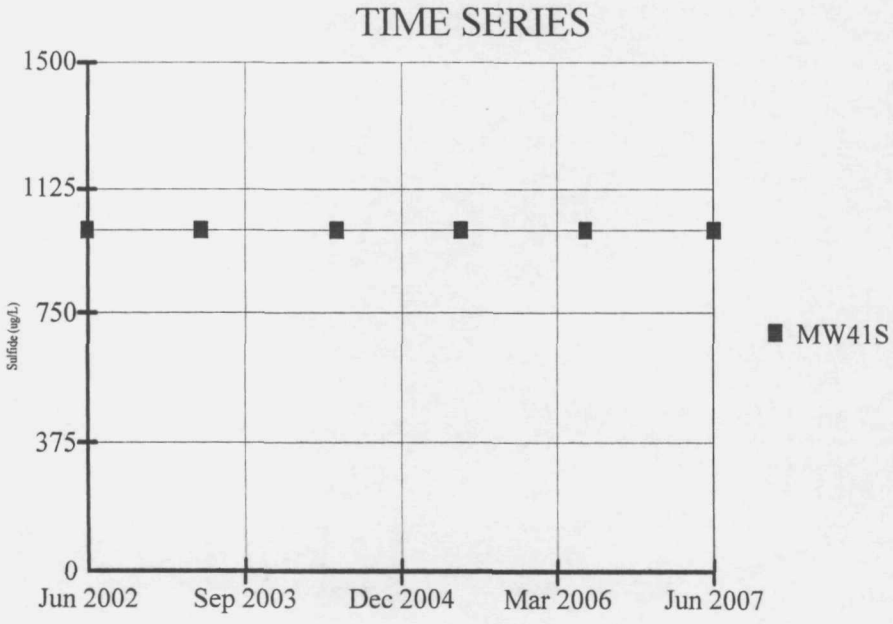
Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:41 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



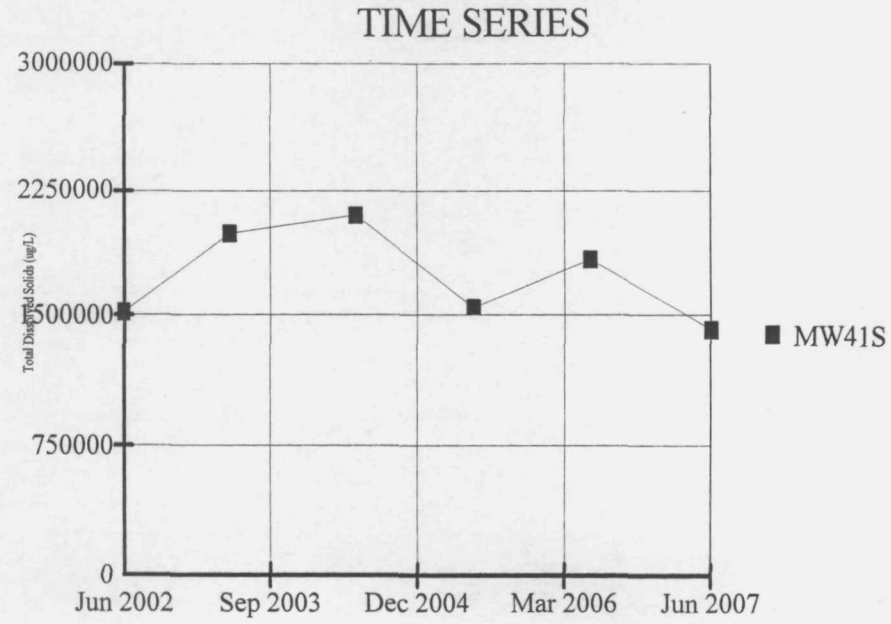
Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:42 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



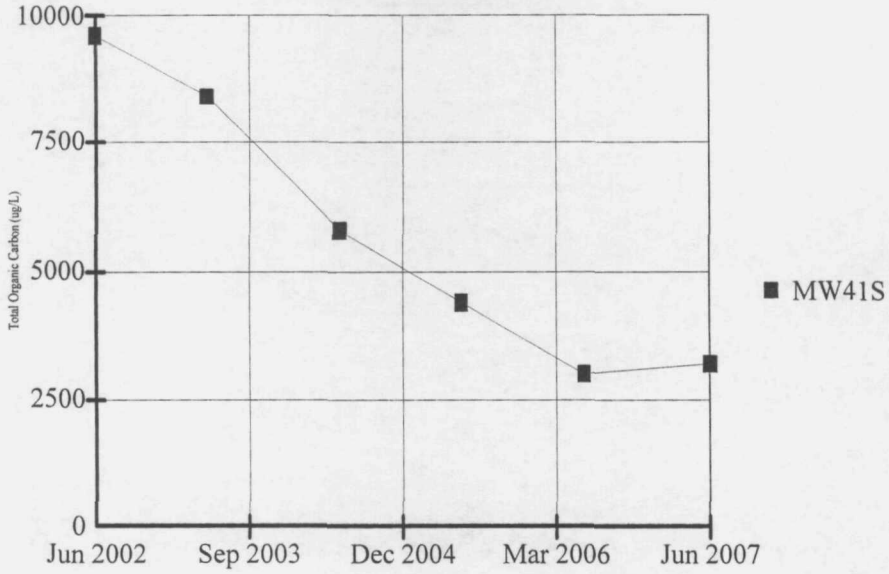
Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:42 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:42 PM Client: Shaw Environmental, Inc. View: _Batch_

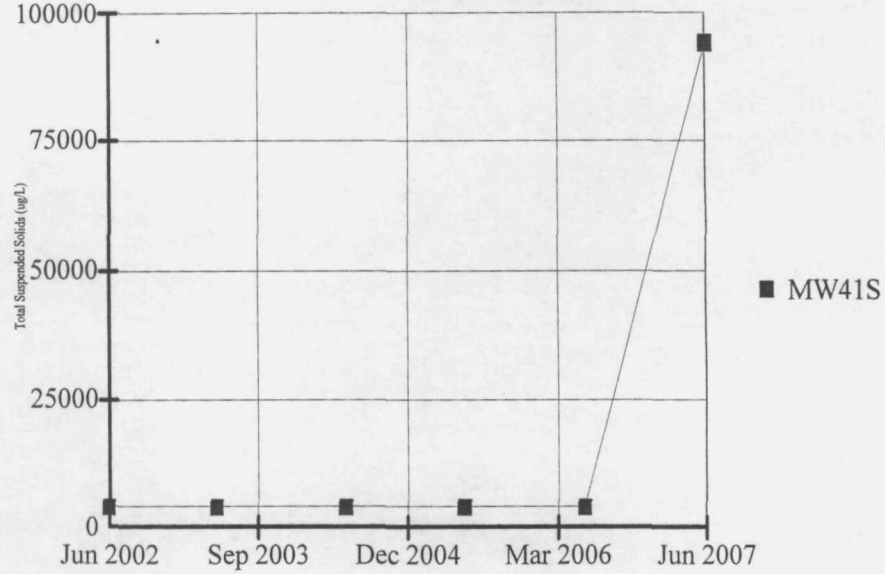
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:42 PM Client: Shaw Environmental, Inc. View: _Batch_

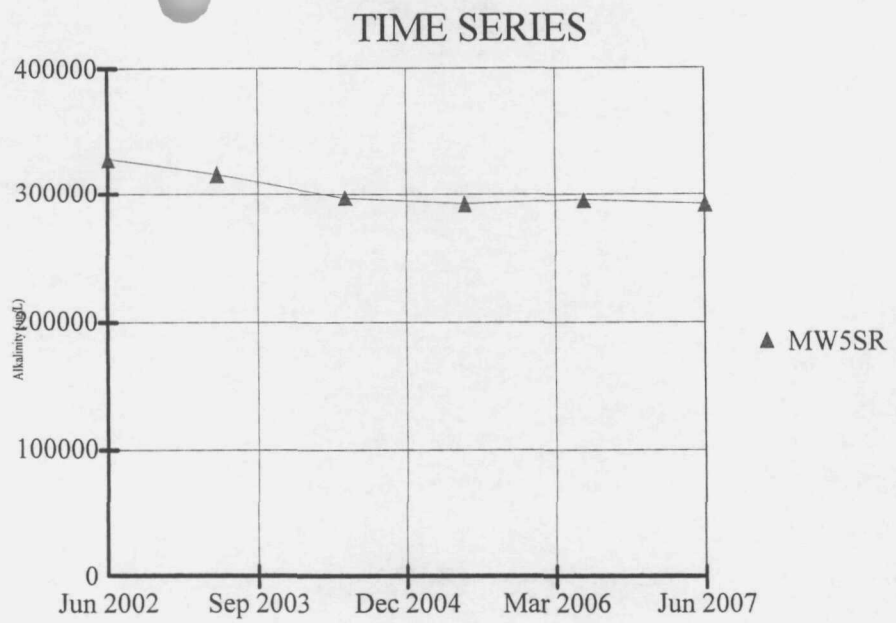
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



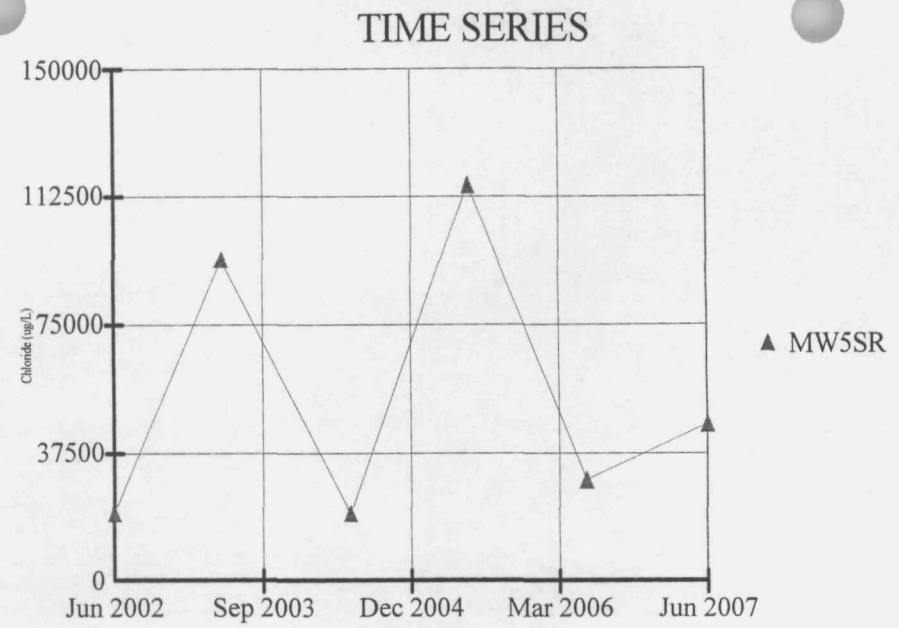
Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:42 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



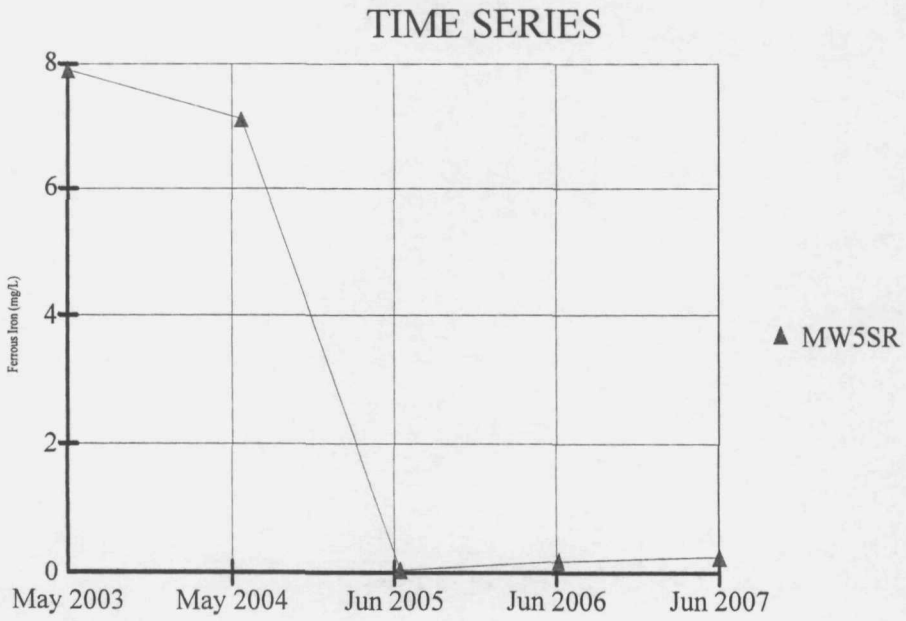
Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:42 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



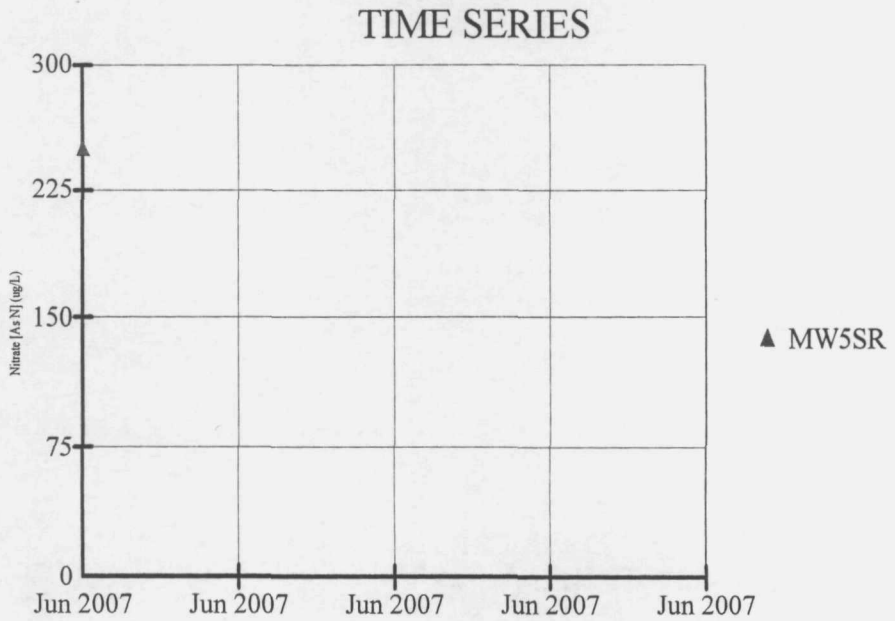
Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:43 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



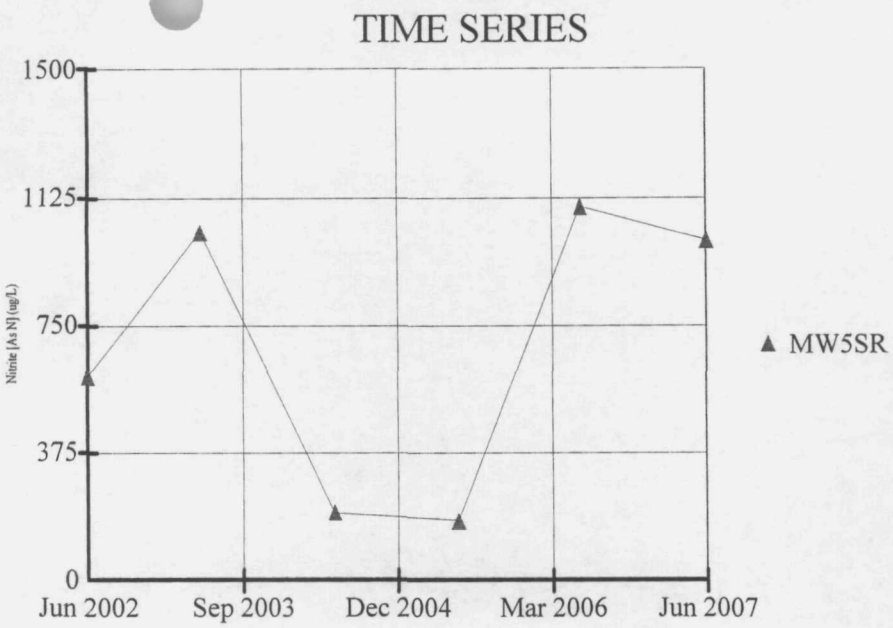
Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:43 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



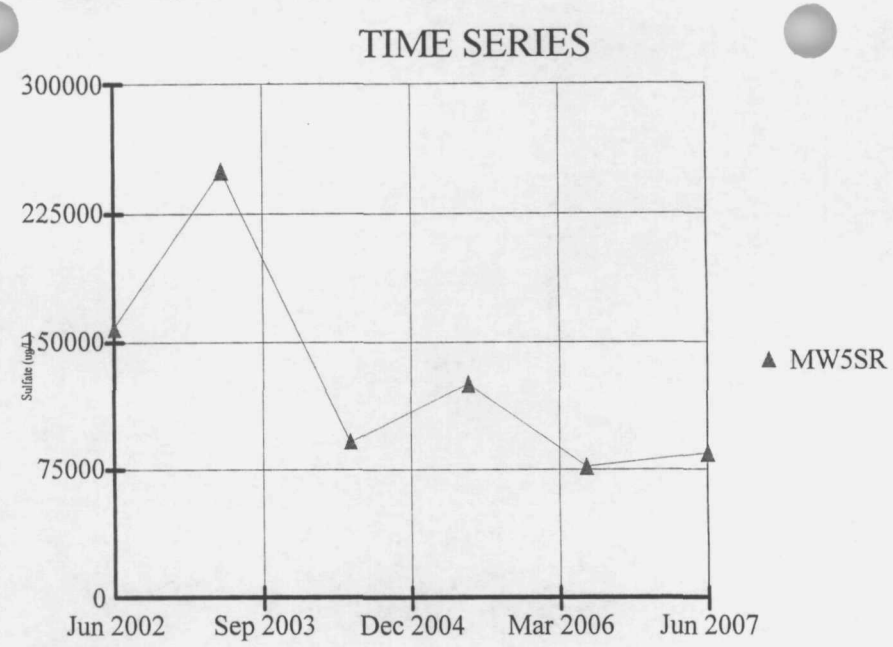
Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:43 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



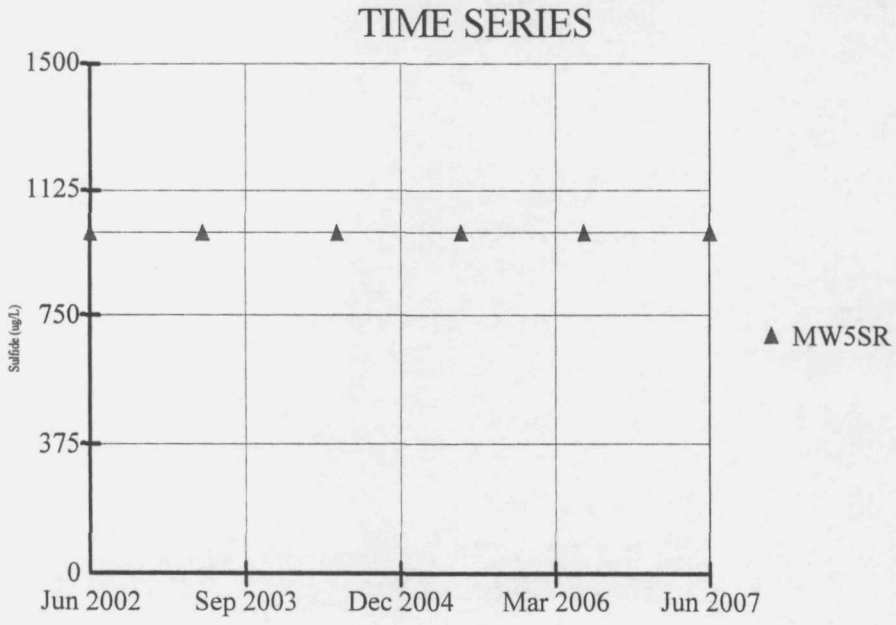
Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:43 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:43 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Sulfide (ug/L) Data File: metals test
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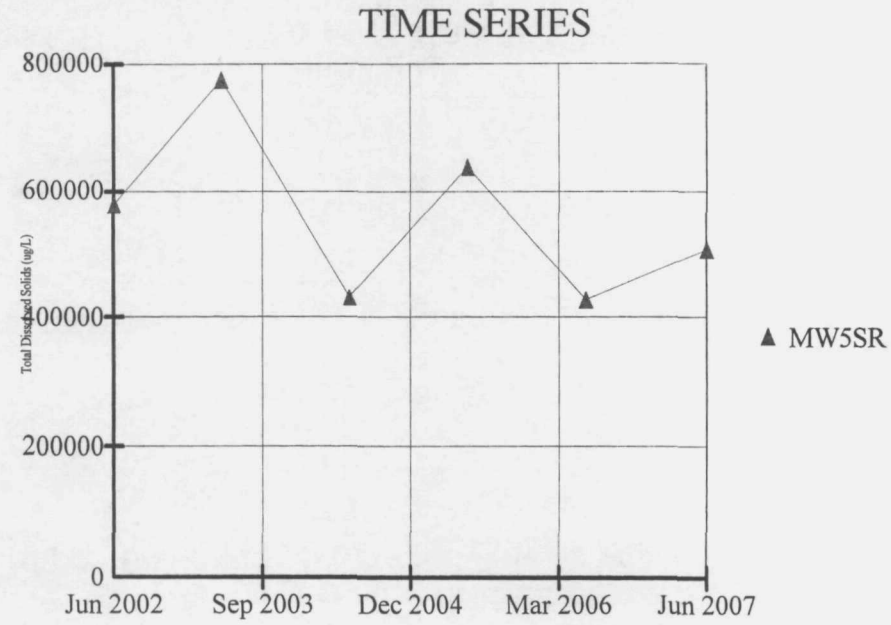
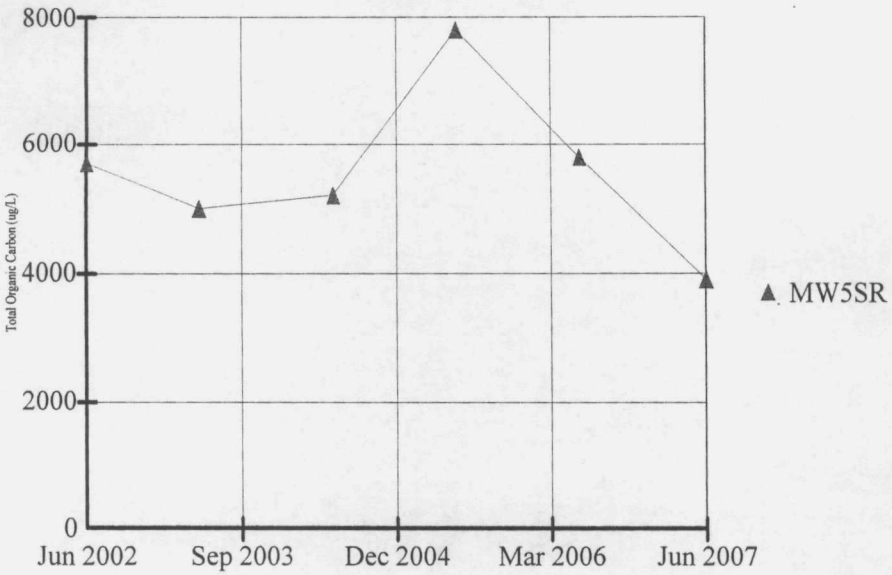
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:43 PM Client: Shaw Environmental, Inc. View: _Batch_

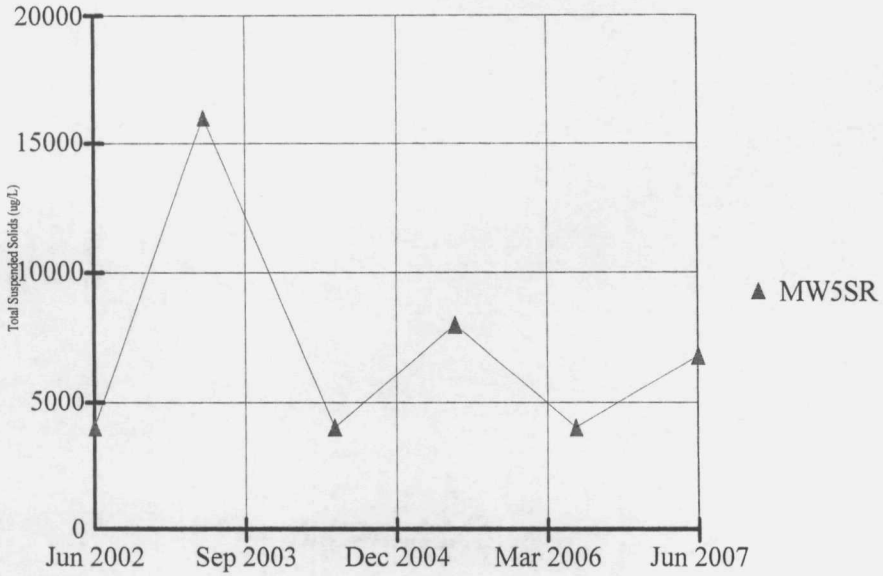
TIME SERIES



Constituent: Total Organic Carbon (ug/L) 1 Data File: metals test
Date: 11/19/07, 4:44 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) 1 Data File: metals test
Date: 11/19/07, 4:44 PM Client: Shaw Environmental, Inc. View: _Batch_

TRI-COUNTY LANDFILL
Shallow Monitoring Wells - Analytical Data
JUNE 2007

Appendix D
June 2007

Tri-County Landfill
Shallow Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/20/2007	G135	Dissolved Oxygen (D.O.) (Field Test)	3.97	MG/L		NA	NA
6/20/2007	G135	Electrical Conductance (Field)	987	UMHOS/CM		NA	NA
6/20/2007	G135	Field EH/ORP	-14.9	M.VOLTS		NA	NA
6/20/2007	G135	pH (Field)	6.98	S.U.		NA	6.5-9.0
6/20/2007	G135	Temperature, Field (°F)	51.0	°F		NA	NA
6/20/2007	G135	Turbidity	0.99	TEXT		NA	NA
6/20/2007	G135	Alkalinity, Total (As CaCO3)	410	MG/L		NA	NA
6/20/2007	G135	Chloride	59.1	MG/L		NA	200
6/20/2007	G135	Ferrous Iron	0.020	TEXT		NA	NA
6/20/2007	G135	Nitrate (As N)	0.64	MG/L-N		10	10
6/20/2007	G135	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/20/2007	G135	Sulfate	195	MG/L		NA	400
6/20/2007	G135	Sulfide	1000	UG/L	U	NA	NA
6/20/2007	G135	Total Dissolved Solids (TDS)	723	MG/L		NA	1200
6/20/2007	G135	Total Organic Carbon (TOC)	3.3	MG/L		NA	NA
6/20/2007	G135	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA

Appendix D
June 2007

Tri-County Landfill
S ow Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW1S	Dissolved Oxygen (D.O.) (Field Test)	2.33	MG/L		NA	NA
6/25/2007	MW1S	Electrical Conductance (Field)	1082	UMHOS/CM		NA	NA
6/25/2007	MW1S	Field EH/ORP	-117.7	M.VOLTS		NA	NA
6/25/2007	MW1S	pH (Field)	7.30	S.U.		NA	6.5-9.0
6/25/2007	MW1S	Temperature, Field (°F)	59.1	°F		NA	NA
6/25/2007	MW1S	Turbidity	2.46	TEXT		NA	NA
6/25/2007	MW1S	Alkalinity, Total (As CaCO3)	440	MG/L		NA	NA
6/25/2007	MW1S	Chloride	167	MG/L		NA	200
6/25/2007	MW1S	Ferrous Iron	0.31	TEXT		NA	NA
6/25/2007	MW1S	Nitrate (As N)	0.050	MG/L-N	U	10	10
6/25/2007	MW1S	Nitrite (As N)	2.0	MG/L-N	U	1	NA
6/25/2007	MW1S	Sulfate	125	MG/L		NA	400
6/25/2007	MW1S	Sulfide	1000	UG/L	U	NA	NA
6/25/2007	MW1S	Total Dissolved Solids (TDS)	782	MG/L		NA	1200
6/25/2007	MW1S	Total Organic Carbon (TOC)	5.0	MG/L		NA	NA
6/25/2007	MW1S	Total Suspended Solids (TSS)	62.8	MG/L		NA	NA

Appendix D
June 2007

Tri-County Landfill
Shallow Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/20/2007	MW2SR	Dissolved Oxygen (D.O.) (Field Test)	7.95	MG/L		NA	NA
6/20/2007	MW2SR	Electrical Conductance (Field)	1596	UMHOS/CM		NA	NA
6/20/2007	MW2SR	Field EH/ORP	92.7	M.VOLTS		NA	NA
6/20/2007	MW2SR	pH (Field)	6.85	S.U.		NA	6.5-9.0
6/20/2007	MW2SR	Temperature, Field (°F)	54.3	°F		NA	NA
6/20/2007	MW2SR	Turbidity	6.89	TEXT		NA	NA
6/20/2007	MW2SR	Alkalinity, Total (As CaCO3)	401	MG/L		NA	NA
6/20/2007	MW2SR	Chloride	128	MG/L		NA	200
6/20/2007	MW2SR	Ferrous Iron	0.020	TEXT		NA	NA
6/20/2007	MW2SR	Nitrate (As N)	9.2	MG/L-N		10	10
6/20/2007	MW2SR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/20/2007	**MW2SR**	**Sulfate**	**550**	**MG/L**		**NA**	**400**
6/20/2007	MW2SR	Sulfide	1000	UG/L	U	NA	NA
6/20/2007	**MW2SR**	**Total Dissolved Solids (TDS)**	**1210**	**MG/L**		**NA**	**1200**
6/20/2007	MW2SR	Total Organic Carbon (TOC)	1.5	MG/L		NA	NA
6/20/2007	MW2SR	Total Suspended Solids (TSS)	16.4	MG/L		NA	NA
6/20/2007	MW2SR	Aluminum, Total	246	UG/L		NA	NA
6/20/2007	MW2SR	Antimony, Total	6.0	UG/L	U	6	6
6/20/2007	MW2SR	Arsenic, Total	20.0	UG/L	U	50	50
6/20/2007	MW2SR	Barium, Total	37.0	UG/L		2000	2000
6/20/2007	MW2SR	Beryllium, Total	1.0	UG/L	U	4	4
6/20/2007	MW2SR	Cadmium, Total	1.0	UG/L	U	5	5
6/20/2007	MW2SR	Calcium, Total	174000	UG/L		NA	NA
6/20/2007	MW2SR	Chromium, Total	28.7	UG/L		100	100
6/20/2007	MW2SR	Cobalt, Total	3.0	UG/L	U	NA	1000
6/20/2007	MW2SR	Copper, Total	4.0	UG/L	U	1300	650
6/20/2007	MW2SR	Cyanide, Total	0.020	MG/L	U	0.2	0
6/20/2007	MW2SR	Iron, Total	771	UG/L		NA	5000
6/20/2007	MW2SR	Lead, Total	5.0	UG/L	U	15	8
6/20/2007	MW2SR	Magnesium, Total	79600	UG/L		NA	NA
6/20/2007	**MW2SR**	**Manganese, Total**	**170**	**UG/L**		**NA**	**150**
6/20/2007	MW2SR	Mercury, Total	0.400	UG/L	U	2	2
6/20/2007	**MW2SR**	**Nickel, Total**	**109**	**UG/L**		**NA**	**100**
6/20/2007	MW2SR	Potassium, Total	14000	UG/L		NA	NA
6/20/2007	MW2SR	Selenium, Total	10.0	UG/L	U	50	50
6/20/2007	MW2SR	Silver, Total	4.0	UG/L	U	NA	50
6/20/2007	MW2SR	Sodium, Total	82300	UG/L		NA	NA
6/20/2007	MW2SR	Thallium, Total	2.00	UG/L	U	2	2
6/20/2007	MW2SR	Vanadium, Total	3.0	UG/L	U	NA	NA
6/20/2007	MW2SR	Zinc, Total	5.0	UG/L	U	NA	5000
6/20/2007	MW2SR	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/20/2007	MW2SR	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/20/2007	MW2SR	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	1,1-Dichloroethene	ND	UG/L	U	7	7
6/20/2007	MW2SR	1,2-Dichloroethane	ND	UG/L	U	5	5
6/20/2007	MW2SR	1,2-Dichloropropane	ND	UG/L	U	5	5
6/20/2007	MW2SR	2-Hexanone	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Acetone	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Benzene	ND	UG/L	U	5	5
6/20/2007	MW2SR	Bromoform	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Bromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Carbon Disulfide	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Carbon Tetrachloride	ND	UG/L	U	5	5

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/20/2007	MW2SR	Chlorobenzene	ND	UG/L	U	100	100
6/20/2007	MW2SR	Chloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Chloroform	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Chloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/20/2007	MW2SR	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Dibromochloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Ethylbenzene	ND	UG/L	U	700	700
6/20/2007	MW2SR	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Methylene chloride	ND	UG/L	U	5	5
6/20/2007	MW2SR	Styrene	ND	UG/L	U	100	100
6/20/2007	MW2SR	Tetrachloroethene	ND	UG/L	U	5	5
6/20/2007	MW2SR	Toluene	ND	UG/L	U	1000	1000
6/20/2007	MW2SR	Total Xylenes	ND	UG/L	U	10000	10000
6/20/2007	MW2SR	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/20/2007	MW2SR	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW2SR	Trichloroethene	ND	UG/L	U	5	5
6/20/2007	MW2SR	Vinyl chloride	ND	UG/L	U	2	2

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/19/2007	MW5SR	Dissolved Oxygen (D.O.) (Field Test)	9.15	MG/L		NA	NA
6/19/2007	MW5SR	Electrical Conductance (Field)	735	UMHOS/CM		NA	NA
6/19/2007	MW5SR	Field EH/ORP	-95.5	M.VOLTS		NA	NA
6/19/2007	MW5SR	pH (Field)	7.20	S.U.		NA	6.5-9.0
6/19/2007	MW5SR	Temperature, Field (°F)	55.1	°F		NA	NA
6/19/2007	MW5SR	Turbidity	0.69	TEXT		NA	NA
6/19/2007	MW5SR	Alkalinity, Total (As CaCO3)	292	MG/L		NA	NA
6/19/2007	MW5SR	Chloride	45.8	MG/L		NA	200
6/19/2007	MW5SR	Ferrous Iron	0.25	TEXT		NA	NA
6/19/2007	MW5SR	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/19/2007	MW5SR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/19/2007	MW5SR	Sulfate	83.9	MG/L		NA	400
6/19/2007	MW5SR	Sulfide	1000	UG/L	U	NA	NA
6/19/2007	MW5SR	Total Dissolved Solids (TDS)	508	MG/L		NA	1200
6/19/2007	MW5SR	Total Organic Carbon (TOC)	3.9	MG/L		NA	NA
6/19/2007	MW5SR	Total Suspended Solids (TSS)	6.8	MG/L		NA	NA
6/19/2007	MW5SR	Aluminum, Total	31.9	UG/L		NA	NA
6/19/2007	MW5SR	Antimony, Total	6.0	UG/L	U	6	6
6/19/2007	MW5SR	Arsenic, Total	20.0	UG/L	U	50	50
6/19/2007	MW5SR	Barium, Total	60.2	UG/L		2000	2000
6/19/2007	MW5SR	Beryllium, Total	1.0	UG/L	U	4	4
6/19/2007	MW5SR	Cadmium, Total	1.0	UG/L	U	5	5
6/19/2007	MW5SR	Calcium, Total	84400	UG/L		NA	NA
6/19/2007	MW5SR	Chromium, Total	3.0	UG/L	U	100	100
6/19/2007	MW5SR	Cobalt, Total	3.0	UG/L	U	NA	1000
6/19/2007	MW5SR	Copper, Total	4.0	UG/L	U	1300	650
6/19/2007	MW5SR	Cyanide, Total	0.020	MG/L	U	0.2	0
6/19/2007	MW5SR	Iron, Total	1650	UG/L		NA	5000
6/19/2007	MW5SR	Lead, Total	5.0	UG/L	U	15	8
6/19/2007	MW5SR	Magnesium, Total	30100	UG/L		NA	NA
6/19/2007	**MW5SR**	**Manganese, Total**	**428**	**UG/L**		**NA**	**150**
6/19/2007	MW5SR	Mercury, Total	0.400	UG/L	U	2	2
6/19/2007	MW5SR	Nickel, Total	4.0	UG/L	U	NA	100
6/19/2007	MW5SR	Potassium, Total	3950	UG/L		NA	NA
6/19/2007	MW5SR	Selenium, Total	10.0	UG/L	U	50	50
6/19/2007	MW5SR	Silver, Total	4.0	UG/L	U	NA	50
6/19/2007	MW5SR	Sodium, Total	41000	UG/L		NA	NA
6/19/2007	MW5SR	Thallium, Total	2.00	UG/L	U	2	2
6/19/2007	MW5SR	Vanadium, Total	3.0	UG/L	U	NA	NA
6/19/2007	MW5SR	Zinc, Total	5.0	UG/L	U	NA	5000
6/19/2007	MW5SR	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	MW5SR	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	MW5SR	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	MW5SR	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	MW5SR	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	MW5SR	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Acetone	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Benzene	ND	UG/L	U	5	5
6/19/2007	MW5SR	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Bromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Carbon Disulfide	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Carbon Tetrachloride	ND	UG/L	U	5	5

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/19/2007	MW5SR	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	MW5SR	Chloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	MW5SR	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	MW5SR	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	MW5SR	Styrene	ND	UG/L	U	100	100
6/19/2007	MW5SR	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	MW5SR	Toluene	ND	UG/L	U	1000	1000
6/19/2007	MW5SR	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	MW5SR	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	MW5SR	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW5SR	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	MW5SR	Vinyl chloride	ND	UG/L	U	2	2

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/21/2007	MW06S	Electrical Conductance (Field)	1777	UMHOS/CM		NA	NA
6/21/2007	MW06S	pH (Field)	6.58	S.U.		NA	6.5-9.0
6/21/2007	MW06S	Temperature, Field (°F)	53.9	°F		NA	NA
6/21/2007	MW06S	Turbidity	6.82	TEXT		NA	NA
6/21/2007	MW06S	Alkalinity, Total (As CaCO3)	428	MG/L		NA	NA
6/21/2007	**MW06S**	**Chloride**	**342**	**MG/L**		**NA**	**200**
6/21/2007	MW06S	Ferrous Iron	0.61	TEXT		NA	NA
6/21/2007	MW06S	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/21/2007	MW06S	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/21/2007	MW06S	Sulfate	103	MG/L		NA	400
6/21/2007	MW06S	Sulfide	1000	UG/L	U	NA	NA
6/21/2007	MW06S	Total Dissolved Solids (TDS)	1110	MG/L		NA	1200
6/21/2007	MW06S	Total Organic Carbon (TOC)	4.3	MG/L		NA	NA
6/21/2007	MW06S	Total Suspended Solids (TSS)	19.6	MG/L		NA	NA
6/21/2007	MW06S	1,1,1-Trichloroethane	1	UG/L	U	200	200
6/21/2007	MW06S	Aluminum, Total	30.0	UG/L	U	NA	NA
6/21/2007	MW06S	Antimony, Total	6.0	UG/L	U	6	6
6/21/2007	MW06S	Arsenic, Total	20.0	UG/L	U	50	50
6/21/2007	MW06S	Barium, Total	177	UG/L		2000	2000
6/21/2007	MW06S	Beryllium, Total	1.0	UG/L	U	4	4
6/21/2007	MW06S	Cadmium, Total	1.0	UG/L	U	5	5
6/21/2007	MW06S	Calcium, Total	149000	UG/L		NA	NA
6/21/2007	MW06S	Chromium, Total	3.0	UG/L	U	100	100
6/21/2007	MW06S	Cobalt, Total	3.0	UG/L	U	NA	1000
6/21/2007	MW06S	Copper, Total	4.0	UG/L	U	1300	650
6/21/2007	MW06S	Cyanide, Total	0.020	MG/L	U	0.2	0
6/21/2007	**MW06S**	**Iron, Total**	**12900**	**UG/L**		**NA**	**5000**
6/21/2007	MW06S	Lead, Total	5.0	UG/L	U	15	8
6/21/2007	MW06S	Magnesium, Total	55900	UG/L		NA	NA
6/21/2007	**MW06S**	**Manganese, Total**	**356**	**UG/L**		**NA**	**150**
6/21/2007	MW06S	Mercury, Total	0.400	UG/L	U	2	2
6/21/2007	MW06S	Nickel, Total	4.0	UG/L	U	NA	100
6/21/2007	MW06S	Potassium, Total	16500	UG/L		NA	NA
6/21/2007	MW06S	Selenium, Total	10.0	UG/L	U	50	50
6/21/2007	MW06S	Silver, Total	4.0	UG/L	U	NA	50
6/21/2007	MW06S	Sodium, Total	160000	UG/L		NA	NA
6/21/2007	MW06S	Thallium, Total	2.00	UG/L	U	2	2
6/21/2007	MW06S	Vanadium, Total	3.0	UG/L	U	NA	NA
6/21/2007	MW06S	Zinc, Total	5.0	UG/L	U	NA	5000
6/21/2007	MW06S	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/21/2007	MW06S	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/21/2007	MW06S	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/21/2007	MW06S	1,1-Dichloroethene	ND	UG/L	U	7	7
6/21/2007	MW06S	1,2-Dichloroethane	ND	UG/L	U	5	5
6/21/2007	MW06S	1,2-Dichloropropane	ND	UG/L	U	5	5
6/21/2007	MW06S	2-Hexanone	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Acetone	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Benzene	ND	UG/L	U	5	5
6/21/2007	MW06S	Bromoform	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Bromomethane	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Carbon Disulfide	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Carbon Tetrachloride	ND	UG/L	U	5	5
6/21/2007	MW06S	Chlorobenzene	ND	UG/L	U	100	100
6/21/2007	MW06S	Chloroethane	ND	UG/L	U	NA	NA

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/21/2007	MW06S	Chloroform	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Chloromethane	ND	UG/L	U	NA	NA
6/21/2007	MW06S	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/21/2007	MW06S	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Dibromochloromethane	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Ethylbenzene	ND	UG/L	U	700	700
6/21/2007	MW06S	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Methylene chloride	ND	UG/L	U	5	5
6/21/2007	MW06S	Styrene	ND	UG/L	U	100	100
6/21/2007	MW06S	Tetrachloroethene	ND	UG/L	U	5	5
6/21/2007	MW06S	Toluene	ND	UG/L	U	1000	1000
6/21/2007	MW06S	Total Xylenes	ND	UG/L	U	10000	10000
6/21/2007	MW06S	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/21/2007	MW06S	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Trichloroethene	ND	UG/L	U	5	5
6/21/2007	MW06S	Vinyl chloride	ND	UG/L	U	2	2
6/21/2007	MW06S	1,2,4-Trichlorobenzene	ND	UG/L	U	70	70
6/21/2007	MW06S	1,2-Dichlorobenzene	ND	UG/L	U	600	600
6/21/2007	MW06S	1,3-Dichlorobenzene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	1,4-Dichlorobenzene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2,2'-Oxybis(1-Chloropropane)	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2,4,5-Trichlorophenol	ND	UG/L	U	NA	NA
1/2007	MW06S	2,4,6-Trichlorophenol	ND	UG/L	U	NA	NA
1/2007	MW06S	2,4-Dichlorophenol	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2,4-Dimethylphenol	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2,4-Dinitrophenol	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2,4-Dinitrotoluene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2,6-Dinitrotoluene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2-Chloronaphthalene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2-Chlorophenol	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2-Methylnaphthalene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2-Nitroaniline	ND	UG/L	U	NA	NA
6/21/2007	MW06S	2-Nitrophenol	ND	UG/L	U	NA	NA
6/21/2007	MW06S	3,3'-Dichlorobenzidine	ND	UG/L	U	NA	NA
6/21/2007	MW06S	3-Nitroaniline	ND	UG/L	U	NA	NA
6/21/2007	MW06S	4-Bromophenyl phenyl ether	ND	UG/L	U	NA	NA
6/21/2007	MW06S	4-Chloroaniline	ND	UG/L	U	NA	NA
6/21/2007	MW06S	4-Chlorophenyl phenyl ether	ND	UG/L	U	NA	NA
6/21/2007	MW06S	4-Nitroaniline	ND	UG/L	U	NA	NA
6/21/2007	MW06S	4-Nitrophenol	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Acenaphthene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Acenaphthylene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Anthracene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Benzo(a)anthracene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Benzo(a)pyrene	ND	UG/L	U	0.2	0.2
6/21/2007	MW06S	Benzo(b)fluoranthene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Benzo(ghi)perylene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Benzo(k)fluoranthene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Bis(2-chloroethoxy) methane	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Bis(2-chloroethyl) ether	ND	UG/L	U	NA	NA
/2007	MW06S	Bis(2-ethylhexyl) phthalate	ND	UG/L	U	6	6
6/21/2007	MW06S	Butyl benzyl phthalate	ND	UG/L	U	NA	NA

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/21/2007	MW06S	Carbazole	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Chrysene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Cresol, 4,6-Dinitro-O-	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Cresol, o-	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Cresol, p-	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Cresol, p-Chloro-m-	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Dibenzo(a,h)anthracene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Dibenzofuran	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Diethyl phthalate	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Dimethyl phthalate	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Di-n-butyl phthalate	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Di-n-octyl phthalate	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Fluoranthene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Fluorene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Hexachlorobenzene	ND	UG/L	U	1	NA
6/21/2007	MW06S	Hexachlorobutadiene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Hexachlorocyclopentadiene	ND	UG/L	U	50	50
6/21/2007	MW06S	Hexachloroethane	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Indeno(1,2,3-cd)pyrene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Isophorone	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Naphthalene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Nitrobenzene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	N-Nitroso-Di-n-propylamine	ND	UG/L	U	NA	NA
6/21/2007	MW06S	N-nitrosodiphenylamine	ND	UG/L	U	NA	NA
1/2007	MW06S	Pentachlorophenol	ND	UG/L	U	1	1
1/2007	MW06S	Phenanthrene	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Phenol	ND	UG/L	U	NA	NA
6/21/2007	MW06S	Pyrene	ND	UG/L	U	NA	NA

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW10S	Dissolved Oxygen (D.O.) (Field Test)	4.74	MG/L		NA	NA
6/25/2007	MW10S	Electrical Conductance (Field)	583	UMHOS/CM		NA	NA
6/25/2007	MW10S	Field EH/ORP	-30.0	M.VOLTS		NA	NA
6/25/2007	MW10S	pH (Field)	7.75	S.U.		NA	6.5-9.0
6/25/2007	MW10S	Temperature, Field (°F)	54.4	°F		NA	NA
6/25/2007	MW10S	Turbidity	91.2	TEXT		NA	NA
6/25/2007	MW10S	Alkalinity, Total (As CaCO3)	274	MG/L		NA	NA
6/25/2007	MW10S	Chloride	16.3	MG/L		NA	200
6/25/2007	MW10S	Ferrous Iron	0.11	TEXT		NA	NA
6/25/2007	MW10S	Nitrate (As N)	0.050	MG/L-N	U	10	10
6/25/2007	MW10S	Nitrite (As N)	2.0	MG/L-N	U	1	NA
6/25/2007	MW10S	Sulfate	152	MG/L		NA	400
6/25/2007	MW10S	Sulfide	1000	UG/L	U	NA	NA
6/25/2007	MW10S	Total Dissolved Solids (TDS)	500	MG/L		NA	1200
6/25/2007	MW10S	Total Organic Carbon (TOC)	1.0	MG/L	U	NA	NA
6/25/2007	MW10S	Total Suspended Solids (TSS)	693	MG/L		NA	NA
6/25/2007	MW10S	Aluminum, Total	16300	UG/L		NA	NA
6/25/2007	MW10S	Antimony, Total	6.0	UG/L	U	6	6
6/25/2007	MW10S	Arsenic, Total	20.0	UG/L	U	50	50
6/25/2007	MW10S	Barium, Total	178	UG/L		2000	2000
6/25/2007	MW10S	Beryllium, Total	1.0	UG/L	U	4	4
6/25/2007	MW10S	Cadmium, Total	1.0	UG/L	U	5	5
6/25/2007	MW10S	Calcium, Total	276000	UG/L		NA	NA
6/25/2007	MW10S	Chromium, Total	45.8	UG/L		100	100
6/25/2007	MW10S	Cobalt, Total	14.9	UG/L		NA	1000
6/25/2007	MW10S	Copper, Total	17.2	UG/L		1300	650
6/25/2007	MW10S	Cyanide, Total	0.020	MG/L	U	0.2	0
6/25/2007	**MW10S**	**Iron, Total**	**22400**	**UG/L**		**NA**	**5000**
6/25/2007	**MW10S**	**Lead, Total**	**15.9**	**UG/L**		**15**	**8**
6/25/2007	MW10S	Magnesium, Total	146000	UG/L		NA	NA
6/25/2007	**MW10S**	**Manganese, Total**	**2590**	**UG/L**		**NA**	**150**
6/25/2007	MW10S	Mercury, Total	0.400	UG/L	U	2	2
6/25/2007	MW10S	Nickel, Total	36.3	UG/L		NA	100
6/25/2007	MW10S	Potassium, Total	7140	UG/L		NA	NA
6/25/2007	MW10S	Selenium, Total	10.0	UG/L	U	50	50
6/25/2007	MW10S	Silver, Total	4.0	UG/L	U	NA	50
6/25/2007	MW10S	Sodium, Total	7980	UG/L		NA	NA
6/25/2007	MW10S	Thallium, Total	2.00	UG/L	U	2	2
6/25/2007	MW10S	Vanadium, Total	36.5	UG/L		NA	NA
6/25/2007	MW10S	Zinc, Total	64.0	UG/L		NA	5000
6/25/2007	MW10S	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/25/2007	MW10S	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/25/2007	MW10S	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/25/2007	MW10S	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/25/2007	MW10S	1,1-Dichloroethene	ND	UG/L	U	7	7
6/25/2007	MW10S	1,2-Dichloroethane	ND	UG/L	U	5	5
6/25/2007	MW10S	1,2-Dichloropropane	ND	UG/L	U	5	5
6/25/2007	MW10S	2-Hexanone	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Acetone	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Benzene	ND	UG/L	U	5	5
6/25/2007	MW10S	Bromoform	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Bromomethane	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Carbon Disulfide	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Carbon Tetrachloride	ND	UG/L	U	5	5

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW10S	Chlorobenzene	ND	UG/L	U	100	100
6/25/2007	MW10S	Chloroethane	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Chloroform	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Chloromethane	ND	UG/L	U	NA	NA
6/25/2007	MW10S	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/25/2007	MW10S	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Dibromochloromethane	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Ethylbenzene	ND	UG/L	U	700	700
6/25/2007	MW10S	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Methylene chloride	ND	UG/L	U	5	5
6/25/2007	MW10S	Styrene	ND	UG/L	U	100	100
6/25/2007	MW10S	Tetrachloroethene	ND	UG/L	U	5	5
6/25/2007	MW10S	Toluene	ND	UG/L	U	1000	1000
6/25/2007	MW10S	Total Xylenes	ND	UG/L	U	10000	10000
6/25/2007	MW10S	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/25/2007	MW10S	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/25/2007	MW10S	Trichloroethene	ND	UG/L	U	5	5
6/25/2007	MW10S	Vinyl chloride	ND	UG/L	U	2	2

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/19/2007	MW12SR	Electrical Conductance (Field)	578	UMHOS/CM		NA	NA
6/19/2007	MW12SR	pH (Field)	7.07	S.U.		NA	6.5-9.0
6/19/2007	MW12SR	Temperature, Field (°F)	50.1	°F		NA	NA
6/19/2007	MW12SR	Turbidity	1.35	TEXT		NA	NA
6/19/2007	MW12SR	Alkalinity, Total (As CaCO3)	298	MG/L		NA	NA
6/19/2007	MW12SR	Chloride	14.0	MG/L		NA	200
6/19/2007	MW12SR	Ferrous Iron	0.31	TEXT		NA	NA
6/19/2007	MW12SR	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/19/2007	MW12SR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/19/2007	MW12SR	Sulfate	61.5	MG/L		NA	400
6/19/2007	MW12SR	Sulfide	1000	UG/L	U	NA	NA
6/19/2007	MW12SR	Total Dissolved Solids (TDS)	373	MG/L		NA	1200
6/19/2007	MW12SR	Total Organic Carbon (TOC)	2.4	MG/L		NA	NA
6/19/2007	MW12SR	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/19/2007	MW12SR	Aluminum, Total	36.6	UG/L		NA	NA
6/19/2007	MW12SR	Antimony, Total	6.0	UG/L	U	6	6
6/19/2007	MW12SR	Arsenic, Total	20.0	UG/L	U	50	50
6/19/2007	MW12SR	Barium, Total	57.7	UG/L		2000	2000
6/19/2007	MW12SR	Beryllium, Total	1.0	UG/L	U	4	4
6/19/2007	MW12SR	Cadmium, Total	1.0	UG/L	U	5	5
6/19/2007	MW12SR	Calcium, Total	79000	UG/L		NA	NA
6/19/2007	MW12SR	Chromium, Total	3.0	UG/L	U	100	100
6/19/2007	MW12SR	Cobalt, Total	3.0	UG/L	U	NA	1000
6/19/2007	MW12SR	Copper, Total	4.0	UG/L	U	1300	650
6/19/2007	MW12SR	Cyanide, Total	0.020	MG/L	U	0.2	0
6/19/2007	MW12SR	Iron, Total	1610	UG/L		NA	5000
6/19/2007	MW12SR	Lead, Total	5.0	UG/L	U	15	8
6/19/2007	MW12SR	Magnesium, Total	29600	UG/L		NA	NA
6/19/2007	**MW12SR**	**Manganese, Total**	**317**	**UG/L**		**NA**	**150**
6/19/2007	MW12SR	Mercury, Total	0.400	UG/L	U	2	2
6/19/2007	MW12SR	Nickel, Total	16.8	UG/L		NA	100
6/19/2007	MW12SR	Potassium, Total	3520	UG/L		NA	NA
6/19/2007	MW12SR	Selenium, Total	10.0	UG/L	U	50	50
6/19/2007	MW12SR	Silver, Total	4.0	UG/L	U	NA	50
6/19/2007	MW12SR	Sodium, Total	23000	UG/L		NA	NA
6/19/2007	MW12SR	Thallium, Total	2.00	UG/L	U	2	2
6/19/2007	MW12SR	Vanadium, Total	3.0	UG/L	U	NA	NA
6/19/2007	MW12SR	Zinc, Total	5.0	UG/L	U	NA	5000
6/19/2007	MW12SR	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	MW12SR	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	MW12SR	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	MW12SR	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	MW12SR	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	MW12SR	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Acetone	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Benzene	ND	UG/L	U	5	5
6/19/2007	MW12SR	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Bromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Carbon Disulfide	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Carbon Tetrachloride	ND	UG/L	U	5	5
6/19/2007	MW12SR	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	MW12SR	Chloroethane	ND	UG/L	U	NA	NA

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/19/2007	MW12SR	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	MW12SR	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	MW12SR	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	MW12SR	Styrene	ND	UG/L	U	100	100
6/19/2007	MW12SR	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	MW12SR	Toluene	ND	UG/L	U	1000	1000
6/19/2007	MW12SR	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	MW12SR	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	MW12SR	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	MW12SR	Vinyl chloride	ND	UG/L	U	2	2
6/19/2007	MW12SR	1,2,4-Trichlorobenzene	ND	UG/L	U	70	70
6/19/2007	MW12SR	1,2-Dichlorobenzene	ND	UG/L	U	600	600
6/19/2007	MW12SR	1,3-Dichlorobenzene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	1,4-Dichlorobenzene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2,2'-Oxybis(1-Chloropropane)	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2,4,5-Trichlorophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2,4,6-Trichlorophenol	ND	UG/L	U	NA	NA
9/2007	MW12SR	2,4-Dichlorophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2,4-Dimethylphenol	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2,4-Dinitrophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2,4-Dinitrotoluene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2,6-Dinitrotoluene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2-Chloronaphthalene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2-Chlorophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2-Methylnaphthalene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	2-Nitrophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	3,3'-Dichlorobenzidine	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	3-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	4-Bromophenyl phenyl ether	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	4-Chloroaniline	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	4-Chlorophenyl phenyl ether	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	4-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	4-Nitrophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Acenaphthene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Acenaphthylene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Anthracene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Benzo(a)anthracene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Benzo(a)pyrene	ND	UG/L	U	0.2	0.2
6/19/2007	MW12SR	Benzo(b)fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Benzo(ghi)perylene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Benzo(k)fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Bis(2-chloroethoxy) methane	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Bis(2-chloroethyl) ether	ND	UG/L	U	NA	NA
9/2007	MW12SR	Bis(2-ethylhexyl) phthalate	ND	UG/L	U	6	6
9/2007	MW12SR	Butyl benzyl phthalate	ND	UG/L	U	NA	NA

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/19/2007	MW12SR	Carbazole	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Chrysene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Cresol, 4,6-Dinitro-O-	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Cresol, o-	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Cresol, p-	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Cresol, p-Chloro-m-	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Dibenzo(a,h)anthracene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Dibenzofuran	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Diethyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Dimethyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Di-n-butyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Di-n-octyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Fluorene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Hexachlorobenzene	ND	UG/L	U	1	NA
6/19/2007	MW12SR	Hexachlorobutadiene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Hexachlorocyclopentadiene	ND	UG/L	U	50	50
6/19/2007	MW12SR	Hexachloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Indeno(1,2,3-cd)pyrene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Isophorone	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Naphthalene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Nitrobenzene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	N-Nitroso-Di-n-propylamine	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	N-nitrosodiphenylamine	ND	UG/L	U	NA	NA
[illegible]19/2007	MW12SR	Pentachlorophenol	ND	UG/L	U	1	1
[illegible]9/2007	MW12SR	Phenanthrene	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Phenol	ND	UG/L	U	NA	NA
6/19/2007	MW12SR	Pyrene	ND	UG/L	U	NA	NA

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW25S	Dissolved Oxygen (D.O.) (Field Test)	2.98	MG/L		NA	NA
6/25/2007	MW25S	Electrical Conductance (Field)	899	UMHOS/CM		NA	NA
6/25/2007	MW25S	Field EH/ORP	-31.2	M.VOLTS		NA	NA
6/25/2007	MW25S	pH (Field)	7.43	S.U.		NA	6.5-9.0
6/25/2007	MW25S	Temperature, Field (°F)	52.1	°F		NA	NA
6/25/2007	MW25S	Turbidity	7.92	TEXT		NA	NA
6/25/2007	MW25S	Alkalinity, Total (As CaCO3)	396	MG/L		NA	NA
6/25/2007	MW25S	Chloride	86.8	MG/L		NA	200
6/25/2007	MW25S	Ferrous Iron	0.090	TEXT		NA	NA
6/25/2007	MW25S	Nitrate (As N)	0.068	MG/L-N		10	10
6/25/2007	MW25S	Nitrite (As N)	2.0	MG/L-N	U	1	NA
6/25/2007	MW25S	Sulfate	169	MG/L		NA	400
6/25/2007	MW25S	Sulfide	1000	UG/L	U	NA	NA
6/25/2007	MW25S	Total Dissolved Solids (TDS)	784	MG/L		NA	1200
6/25/2007	MW25S	Total Organic Carbon (TOC)	5.5	MG/L		NA	NA
6/25/2007	MW25S	Total Suspended Solids (TSS)	23.6	MG/L		NA	NA

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Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW38S	Dissolved Oxygen (D.O.) (Field Test)	3.28	MG/L		NA	NA
6/25/2007	MW38S	Electrical Conductance (Field)	735	UMHOS/CM		NA	NA
6/25/2007	MW38S	Field EH/ORP	-17.9	M.VOLTS		NA	NA
6/25/2007	MW38S	pH (Field)	7.42	S.U.		NA	6.5-9.0
6/25/2007	MW38S	Temperature, Field (°F)	54.0	°F		NA	NA
6/25/2007	MW38S	Turbidity	7.05	TEXT		NA	NA
6/25/2007	MW38S	Alkalinity, Total (As CaCO3)	335	MG/L		NA	NA
6/25/2007	MW38S	Chloride	64.5	MG/L		NA	200
6/25/2007	MW38S	Ferrous Iron	0.040	TEXT		NA	NA
6/25/2007	MW38S	Nitrate (As N)	2.2	MG/L-N		10	10
6/25/2007	MW38S	Nitrite (As N)	2.0	MG/L-N	U	1	NA
6/25/2007	MW38S	Sulfate	83.7	MG/L		NA	400
6/25/2007	MW38S	Sulfide	1000	UG/L	U	NA	NA
6/25/2007	MW38S	Total Dissolved Solids (TDS)	547	MG/L		NA	1200
6/25/2007	MW38S	Total Organic Carbon (TOC)	1.4	MG/L		NA	NA
6/25/2007	MW38S	Total Suspended Solids (TSS)	92.0	MG/L		NA	NA
6/25/2007	MW38S	Aluminum, Total	643	UG/L		NA	NA
6/25/2007	MW38S	Antimony, Total	6.0	UG/L	U	6	6
6/25/2007	MW38S	Arsenic, Total	20.0	UG/L	U	50	50
6/25/2007	MW38S	Barium, Total	79.0	UG/L		2000	2000
6/25/2007	MW38S	Beryllium, Total	1.0	UG/L	U	4	4
6/25/2007	MW38S	Cadmium, Total	1.0	UG/L	U	5	5
6/25/2007	MW38S	Calcium, Total	95600	UG/L		NA	NA
6/25/2007	**MW38S**	**Chromium, Total**	**374**	**UG/L**		**100**	**100**
6/25/2007	MW38S	Cobalt, Total	3.0	UG/L	U	NA	1000
6/25/2007	MW38S	Copper, Total	8.2	UG/L		1300	650
6/25/2007	MW38S	Cyanide, Total	0.020	MG/L	U	0.2	0
6/25/2007	MW38S	Iron, Total	1880	UG/L		NA	5000
6/25/2007	MW38S	Lead, Total	5.0	UG/L	U	15	8
6/25/2007	MW38S	Magnesium, Total	35800	UG/L		NA	NA
6/25/2007	**MW38S**	**Manganese, Total**	**272**	**UG/L**		**NA**	**150**
6/25/2007	MW38S	Mercury, Total	0.400	UG/L	U	2	2
6/25/2007	MW38S	Nickel, Total	22.6	UG/L		NA	100
6/25/2007	MW38S	Potassium, Total	7720	UG/L		NA	NA
6/25/2007	MW38S	Selenium, Total	10.0	UG/L	U	50	50
6/25/2007	MW38S	Silver, Total	4.0	UG/L	U	NA	50
6/25/2007	MW38S	Sodium, Total	56700	UG/L		NA	NA
6/25/2007	MW38S	Thallium, Total	2.00	UG/L	U	2	2
6/25/2007	MW38S	Vanadium, Total	3.0	UG/L	U	NA	NA
6/25/2007	MW38S	Zinc, Total	5.0	UG/L	U	NA	5000
6/25/2007	MW38S	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/25/2007	MW38S	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/25/2007	MW38S	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/25/2007	**MW38S**	**1,1-Dichloroethane**	**2**	**UG/L**		**NA**	**NA**
6/25/2007	MW38S	1,1-Dichloroethene	ND	UG/L	U	7	7
6/25/2007	MW38S	1,2-Dichloroethane	ND	UG/L	U	5	5
6/25/2007	MW38S	1,2-Dichloropropane	ND	UG/L	U	5	5
6/25/2007	MW38S	2-Hexanone	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Acetone	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Benzene	ND	UG/L	U	5	5
6/25/2007	MW38S	Bromoform	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Bromomethane	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Carbon Disulfide	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Carbon Tetrachloride	ND	UG/L	U	5	5

Appendix D
June 2007

Tri-County Landfill
Shallow Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW38S	Chlorobenzene	ND	UG/L	U	100	100
6/25/2007	MW38S	Chloroethane	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Chloroform	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Chloromethane	ND	UG/L	U	NA	NA
6/25/2007	**MW38S**	**cis-1,2-Dichloroethene**	**3**	**UG/L**		**70**	**70**
6/25/2007	MW38S	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Dibromochloromethane	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Ethylbenzene	ND	UG/L	U	700	700
6/25/2007	MW38S	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Methylene chloride	ND	UG/L	U	5	5
6/25/2007	MW38S	Styrene	ND	UG/L	U	100	100
6/25/2007	MW38S	Tetrachloroethene	ND	UG/L	U	5	5
6/25/2007	MW38S	Toluene	ND	UG/L	U	1000	1000
6/25/2007	MW38S	Total Xylenes	ND	UG/L	U	10000	10000
6/25/2007	MW38S	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/25/2007	MW38S	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/25/2007	MW38S	Trichloroethene	ND	UG/L	U	5	5
6/25/2007	MW38S	Vinyl chloride	ND	UG/L	U	2	2

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June 2007

Tri-County Landfill
S 'ow Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/20/2007	MW39S	Dissolved Oxygen (D.O.) (Field Test)	12.30	MG/L		NA	NA
6/20/2007	MW39S	Electrical Conductance (Field)	866	UMHOS/CM		NA	NA
6/20/2007	MW39S	Field EH/ORP	52.9	M.VOLTS		NA	NA
6/20/2007	MW39S	pH (Field)	7.08	S.U.		NA	6.5-9.0
6/20/2007	MW39S	Temperature, Field (°F)	52.6	°F		NA	NA
6/20/2007	MW39S	Turbidity	7.9	TEXT		NA	NA
6/20/2007	MW39S	Alkalinity, Total (As CaCO3)	284	MG/L		NA	NA
6/20/2007	MW39S	Chloride	67.0	MG/L		NA	200
6/20/2007	MW39S	Ferrous Iron	0	TEXT		NA	NA
6/20/2007	MW39S	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/20/2007	MW39S	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/20/2007	MW39S	Sulfate	180	MG/L		NA	400
6/20/2007	MW39S	Sulfide	1000	UG/L	U	NA	NA
6/20/2007	MW39S	Total Dissolved Solids (TDS)	543	MG/L		NA	1200
6/20/2007	MW39S	Total Organic Carbon (TOC)	4.0	MG/L		NA	NA
6/20/2007	MW39S	Total Suspended Solids (TSS)	10	MG/L		NA	NA
6/20/2007	MW39S	Aluminum, Total	242	UG/L		NA	NA
6/20/2007	MW39S	Antimony, Total	6.0	UG/L	U	6	6
6/20/2007	MW39S	Arsenic, Total	20.0	UG/L	U	50	50
6/20/2007	MW39S	Barium, Total	97.3	UG/L		2000	2000
6/20/2007	MW39S	Beryllium, Total	1.0	UG/L	U	4	4
6/20/2007	MW39S	Cadmium, Total	1.0	UG/L	U	5	5
6/20/2007	MW39S	Calcium, Total	90400	UG/L		NA	NA
6/20/2007	MW39S	Chromium, Total	11.6	UG/L		100	100
6/20/2007	MW39S	Cobalt, Total	3.0	UG/L	U	NA	1000
)/2007	MW39S	Copper, Total	6.1	UG/L		1300	650
6/20/2007	MW39S	Cyanide, Total	0.020	MG/L	U	0.2	0
6/20/2007	MW39S	Iron, Total	561	UG/L		NA	5000
6/20/2007	MW39S	Lead, Total	5.0	UG/L	U	15	8
6/20/2007	MW39S	Magnesium, Total	43500	UG/L		NA	NA
6/20/2007	MW39S	Manganese, Total	1020	UG/L		NA	150
6/20/2007	MW39S	Mercury, Total	0.400	UG/L	U	2	2
6/20/2007	MW39S	Nickel, Total	11.2	UG/L		NA	100
6/20/2007	MW39S	Potassium, Total	8660	UG/L		NA	NA
6/20/2007	MW39S	Selenium, Total	10.0	UG/L	U	50	50
6/20/2007	MW39S	Silver, Total	4.0	UG/L	U	NA	50
6/20/2007	MW39S	Sodium, Total	40000	UG/L		NA	NA
6/20/2007	MW39S	Thallium, Total	2.00	UG/L	U	2	2
6/20/2007	MW39S	Vanadium, Total	3.0	UG/L	U	NA	NA
6/20/2007	MW39S	Zinc, Total	5.0	UG/L	U	NA	5000
6/20/2007	MW39S	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/20/2007	MW39S	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW39S	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/20/2007	MW39S	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW39S	1,1-Dichloroethene	ND	UG/L	U	7	7
6/20/2007	MW39S	1,2-Dichloroethane	ND	UG/L	U	5	5
6/20/2007	MW39S	1,2-Dichloropropane	ND	UG/L	U	5	5
6/20/2007	MW39S	2-Hexanone	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Acetone	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Benzene	ND	UG/L	U	5	5
6/20/2007	MW39S	Bromoform	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Bromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Carbon Disulfide	ND	UG/L	U	NA	NA
)/2007	MW39S	Carbon Tetrachloride	ND	UG/L	U	5	5

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June 2007

Tri-County Landfill
S low Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/20/2007	MW39S	Chlorobenzene	ND	UG/L	U	100	100
6/20/2007	MW39S	Chloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Chloroform	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Chloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW39S	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/20/2007	MW39S	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Dibromochloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Ethylbenzene	ND	UG/L	U	700	700
6/20/2007	MW39S	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Methylene chloride	ND	UG/L	U	5	5
6/20/2007	MW39S	Styrene	ND	UG/L	U	100	100
6/20/2007	MW39S	Tetrachloroethene	ND	UG/L	U	5	5
6/20/2007	MW39S	Toluene	ND	UG/L	U	1000	1000
6/20/2007	MW39S	Total Xylenes	ND	UG/L	U	10000	10000
6/20/2007	MW39S	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/20/2007	MW39S	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW39S	Trichloroethene	ND	UG/L	U	5	5
6/20/2007	MW39S	Vinyl chloride	ND	UG/L	U	2	2

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June 2007

Tri-County Landfill
Shallow Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW41S	Dissolved Oxygen (D.O.) (Field Test)	3.29	MG/L		NA	NA
6/25/2007	MW41S	Electrical Conductance (Field)	1547	UMHOS/CM		NA	NA
6/25/2007	MW41S	Field EH/ORP	7.1	M.VOLTS		NA	NA
6/25/2007	MW41S	pH (Field)	6.96	S.U.		NA	6.5-9.0
6/25/2007	MW41S	Temperature, Field (°F)	55.6	°F		NA	NA
6/25/2007	MW41S	Turbidity	8.1	TEXT		NA	NA
6/25/2007	MW41S	Alkalinity, Total (As CaCO3)	555	MG/L		NA	NA
6/25/2007	MW41S	Chloride	29.7	MG/L		NA	200
6/25/2007	MW41S	Ferrous Iron	0.010	TEXT		NA	NA
6/25/2007	**MW41S**	**Nitrate (As N)**	**39.1**	**MG/L-N**		**10**	**10**
6/25/2007	**MW41S**	**Nitrite (As N)**	**1.3**	**MG/L-N**		**1**	**NA**
6/25/2007	**MW41S**	**Sulfate**	**414**	**MG/L**		**NA**	**400**
6/25/2007	MW41S	Sulfide	1000	UG/L	U	NA	NA
6/25/2007	**MW41S**	**Total Dissolved Solids (TDS)**	**1420**	**MG/L**		**NA**	**1200**
6/25/2007	MW41S	Total Organic Carbon (TOC)	3.2	MG/L		NA	NA
6/25/2007	MW41S	Total Suspended Solids (TSS)	94.0	MG/L		NA	NA
6/25/2007	MW41S	Aluminum, Total	534	UG/L		NA	NA
6/25/2007	MW41S	Antimony, Total	6.0	UG/L	U	6	6
6/25/2007	MW41S	Arsenic, Total	20.0	UG/L	U	50	50
6/25/2007	MW41S	Barium, Total	90.5	UG/L		2000	2000
6/25/2007	MW41S	Beryllium, Total	1.0	UG/L	U	4	4
6/25/2007	MW41S	Cadmium, Total	1.0	UG/L	U	5	5
6/25/2007	MW41S	Calcium, Total	323000	UG/L		NA	NA
6/25/2007	MW41S	Chromium, Total	3.3	UG/L		100	100
6/25/2007	MW41S	Cobalt, Total	3.0	UG/L	U	NA	1000
6/25/2007	MW41S	Copper, Total	6.3	UG/L		1300	650
6/25/2007	MW41S	Cyanide, Total	0.020	MG/L	U	0.2	0
6/25/2007	MW41S	Iron, Total	1760	UG/L		NA	5000
6/25/2007	MW41S	Lead, Total	5.0	UG/L	U	15	8
6/25/2007	MW41S	Magnesium, Total	75200	UG/L		NA	NA
6/25/2007	**MW41S**	**Manganese, Total**	**730**	**UG/L**		**NA**	**150**
6/25/2007	MW41S	Mercury, Total	0.400	UG/L	U	2	2
6/25/2007	MW41S	Nickel, Total	10.4	UG/L		NA	100
6/25/2007	MW41S	Potassium, Total	21300	UG/L		NA	NA
6/25/2007	MW41S	Selenium, Total	10.0	UG/L	U	50	50
6/25/2007	MW41S	Silver, Total	4.0	UG/L	U	NA	50
6/25/2007	MW41S	Sodium, Total	29100	UG/L		NA	NA
6/25/2007	MW41S	Thallium, Total	2.00	UG/L	U	2	2
6/25/2007	MW41S	Vanadium, Total	3.0	UG/L	U	NA	NA
6/25/2007	MW41S	Zinc, Total	6.0	UG/L		NA	5000
6/25/2007	MW41S	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/25/2007	MW41S	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/25/2007	MW41S	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/25/2007	MW41S	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/25/2007	MW41S	1,1-Dichloroethene	ND	UG/L	U	7	7
6/25/2007	MW41S	1,2-Dichloroethane	ND	UG/L	U	5	5
6/25/2007	MW41S	1,2-Dichloropropane	ND	UG/L	U	5	5
6/25/2007	MW41S	2-Hexanone	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Acetone	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Benzene	ND	UG/L	U	5	5
6/25/2007	MW41S	Bromoform	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Bromomethane	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Carbon Disulfide	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Carbon Tetrachloride	ND	UG/L	U	5	5

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June 2007

Tri-County Landfill
S ow Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/25/2007	MW41S	Chlorobenzene	ND	UG/L	U	100	100
6/25/2007	MW41S	Chloroethane	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Chloroform	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Chloromethane	ND	UG/L	U	NA	NA
6/25/2007	MW41S	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/25/2007	MW41S	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Dibromochloromethane	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Ethylbenzene	ND	UG/L	U	700	700
6/25/2007	MW41S	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Methylene chloride	ND	UG/L	U	5	5
6/25/2007	MW41S	Styrene	ND	UG/L	U	100	100
6/25/2007	MW41S	Tetrachloroethene	ND	UG/L	U	5	5
6/25/2007	MW41S	Toluene	ND	UG/L	U	1000	1000
6/25/2007	MW41S	Total Xylenes	ND	UG/L	U	10000	10000
6/25/2007	MW41S	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/25/2007	MW41S	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/25/2007	MW41S	Trichloroethene	ND	UG/L	U	5	5
6/25/2007	MW41S	Vinyl chloride	ND	UG/L	U	2	2

APPENDIX E

TRI-COUNTY LANDFILL
INTERMEDIATE MONITORING WELL NETWORK ANALYTICAL DATA
JUNE 2007

Tri County Landfill
Intermediate Monitoring Wells
Exceedences of Class I GWQS and MCL Limits
June 2007

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/19/2007	G142	Chloride	685	MG/L		NA	200
6/19/2007	G142	Total Dissolved Solids (TDS)	1630	MG/L		NA	1200
6/20/2007	MW1I2	Nitrite (As N)	3.4	MG/L-N		1	NA
6/21/2007	MW06I	Chloride	234	MG/L		NA	200
6/21/2007	MW06I	Iron, Total	7510	UG/L		NA	5000
6/19/2007	MW12IR	Chloride	296	MG/L		NA	200
6/19/2007	MW12IR	Chromium, Total	105	UG/L		100	100
6/19/2007	MW12IR	Nickel, Total	209	UG/L		NA	100
6/20/2007	MW39I	Manganese, Total	269	UG/L		NA	150

Notes:
Class I GWQS = Class I Groundwater Quality Standard
MCL = Federal Safe Drinking Water Act Maximum Contaminant Levels

Tri-County Landfill
I nediate Monitoring Wells
Organics Exceedences
June 2007 .

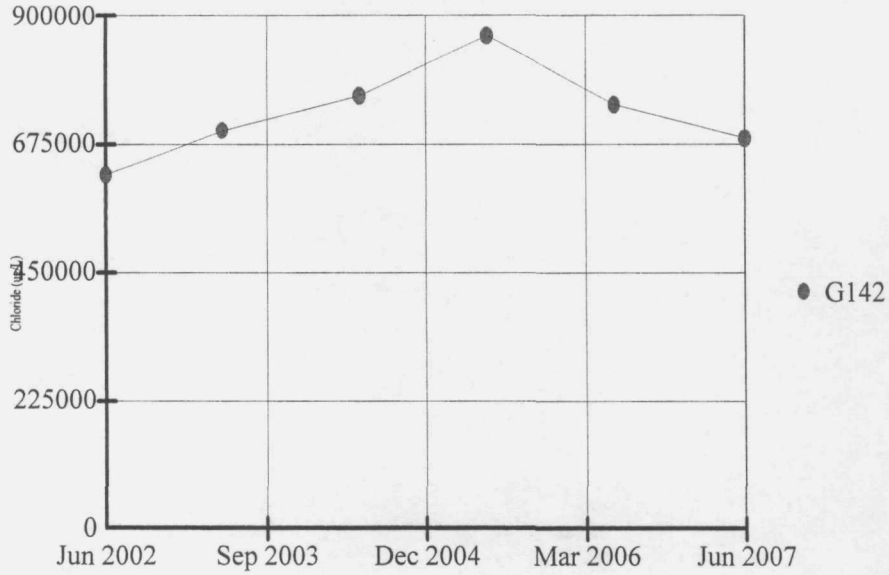
Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/21/2007	MW06I	Chloroethane	8	UG/L		NA	NA

Notes:
Class I GWQS = Class I Groundwater Quality Standard
MCL = Federal Safe Drinking Water Act Maximum Contaminant Levels

Intermediate Monitoring Wells

TRI-COUNTY LANDFILL
Time Trend Graphs - Detected Parameters
JUNE 2007

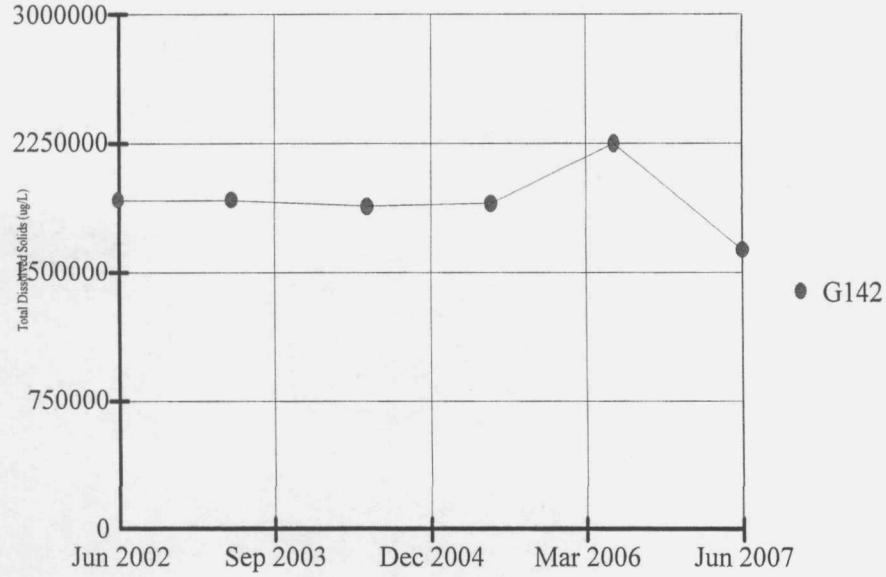
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:19 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
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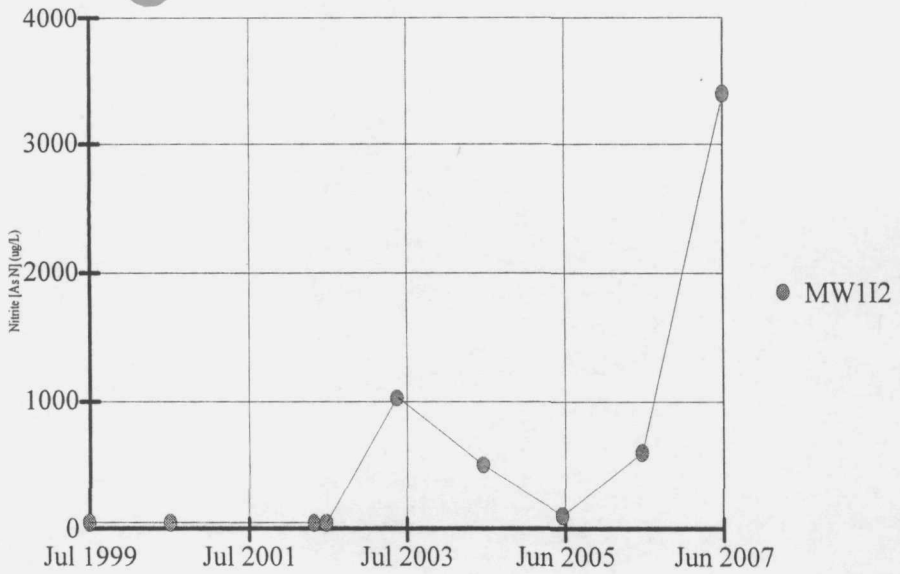

Constituent: Nitrite [As N] (ug/L) Data File: metals test
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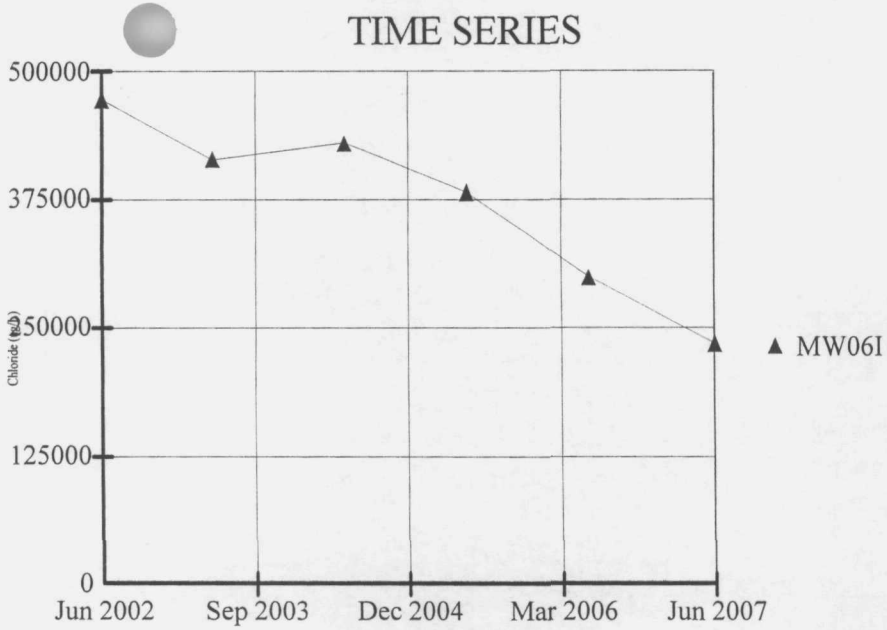

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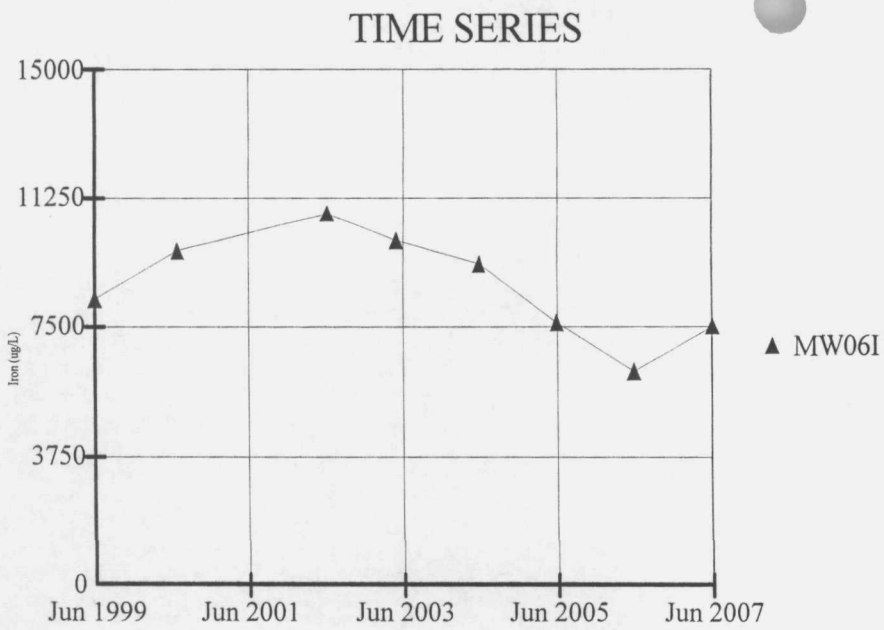

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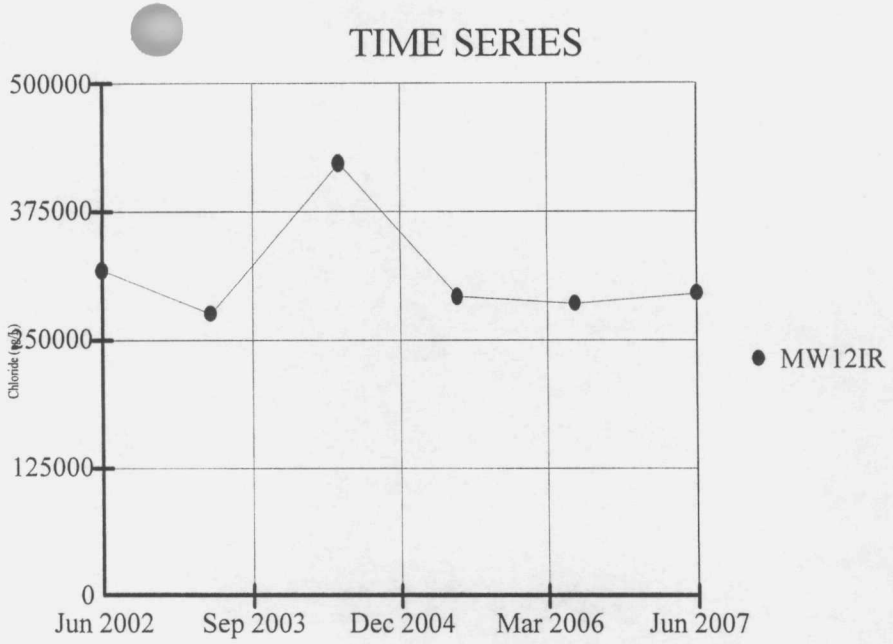

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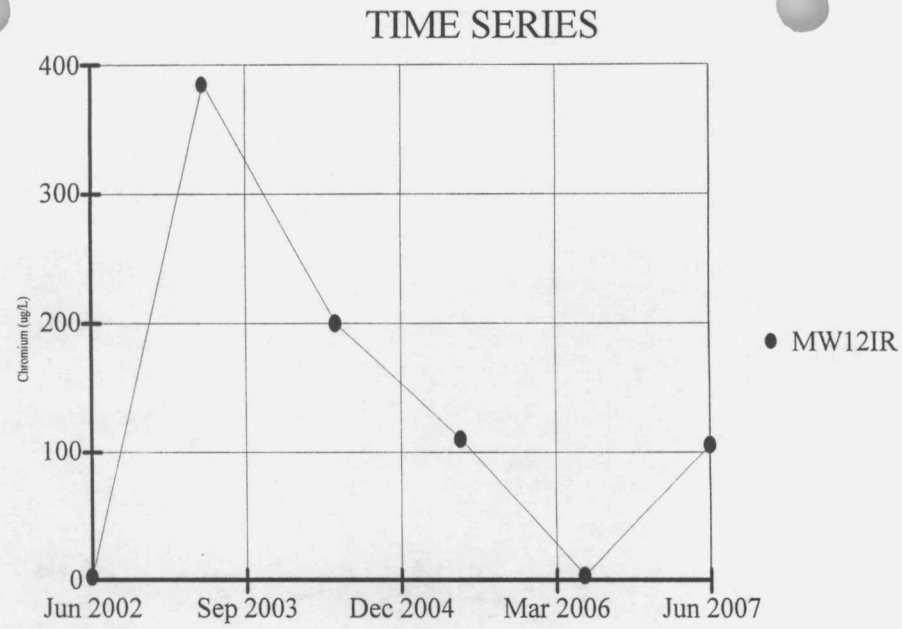

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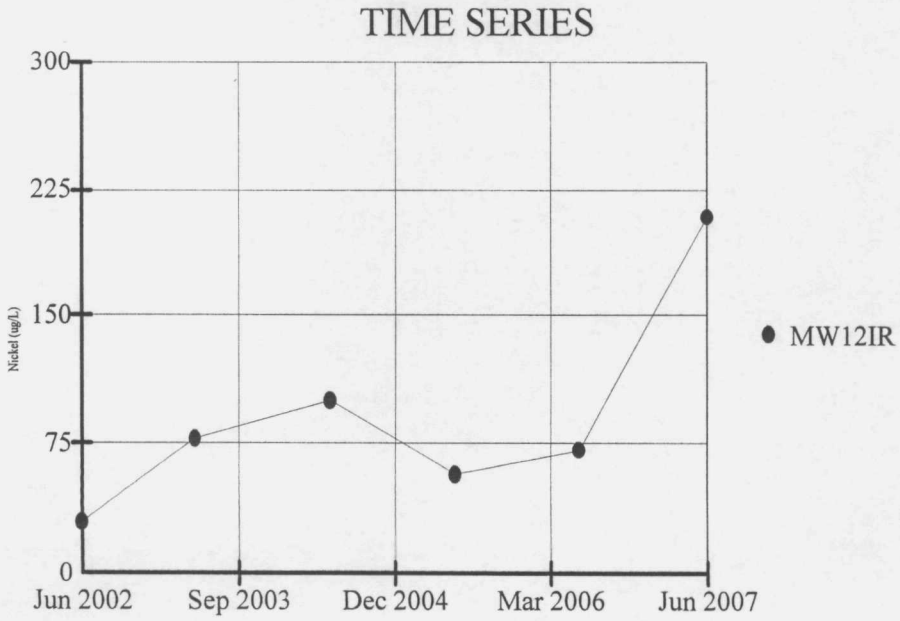
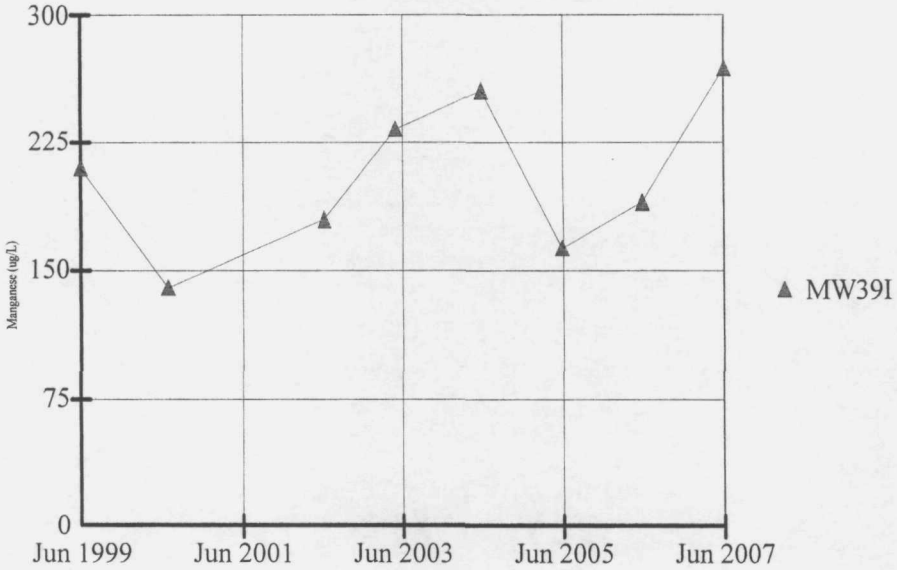
Date: 11/19/07, 5:21 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



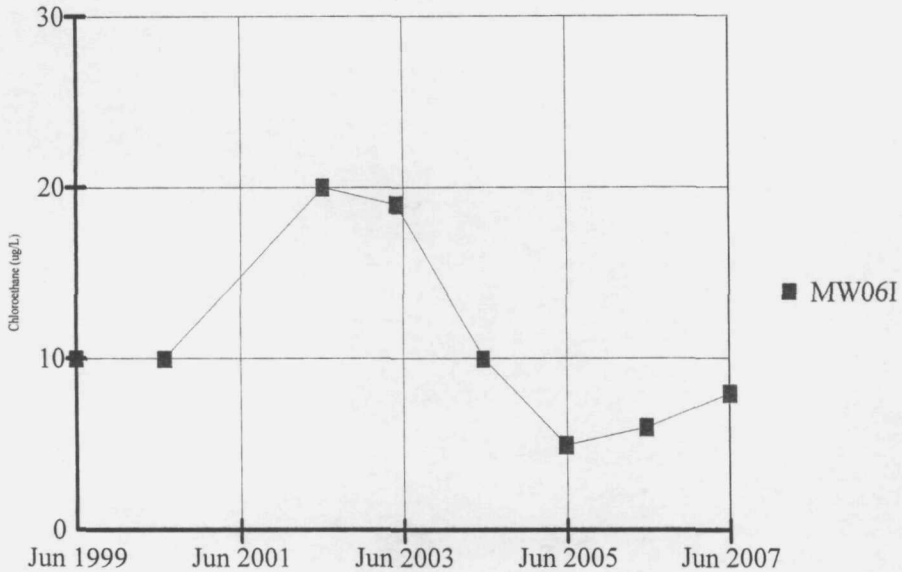
Constituent: Nickel (ug/L) Data File: metals test
Date: 11/19/07, 5:21 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES



Constituent: Manganese (ug/L) Data File: metals test
Date: 11/19/07, 5:22 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES



Constituent: Chloroethane (ug/L) Data File: VOC test
Date: 11/19/07, 5:34 PM Client: Shaw Environmental, Inc. View: _Batch_

Intermediate Monitoring Wells

TRI-COUNTY LANDFILL
Time Trend Graphs - Indicator Parameters
JUNE 2007

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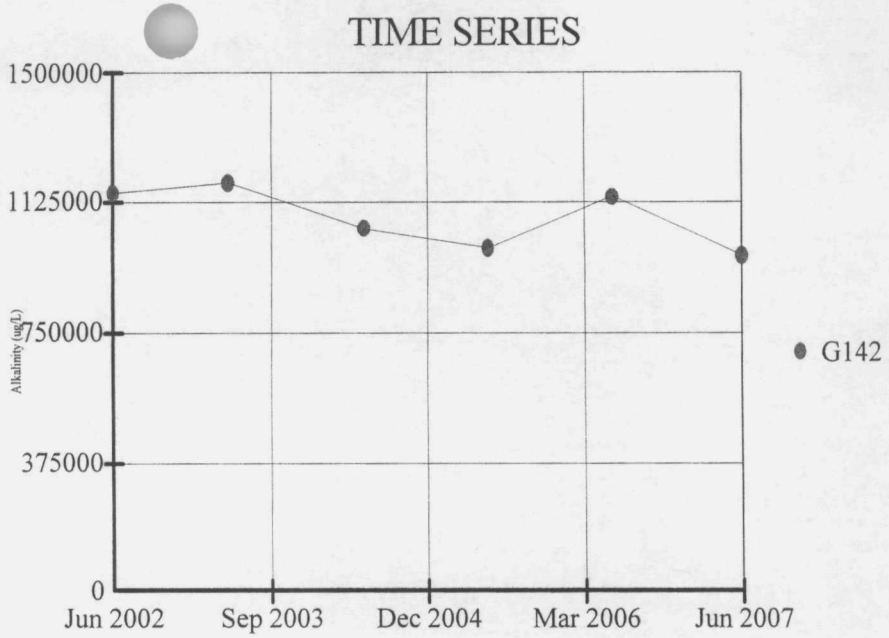
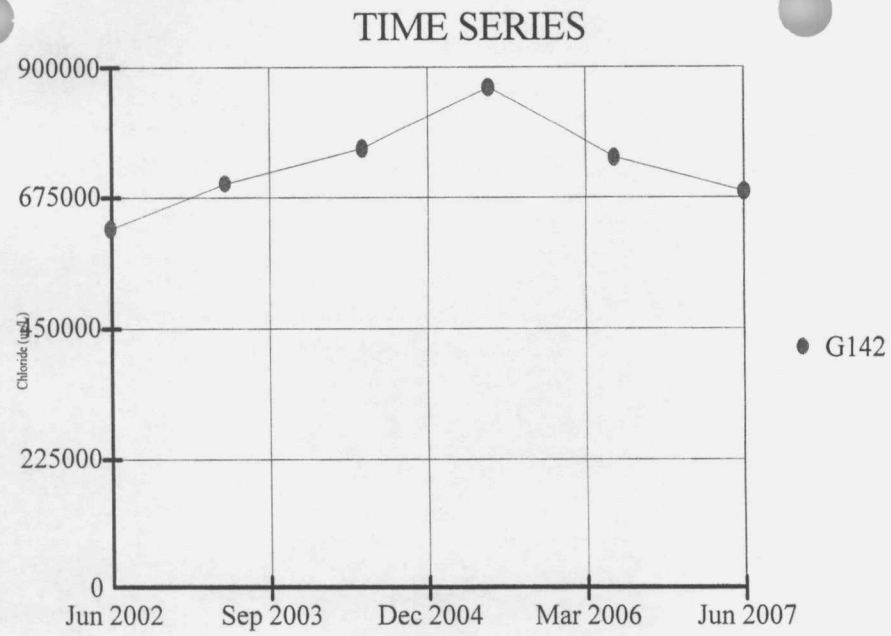


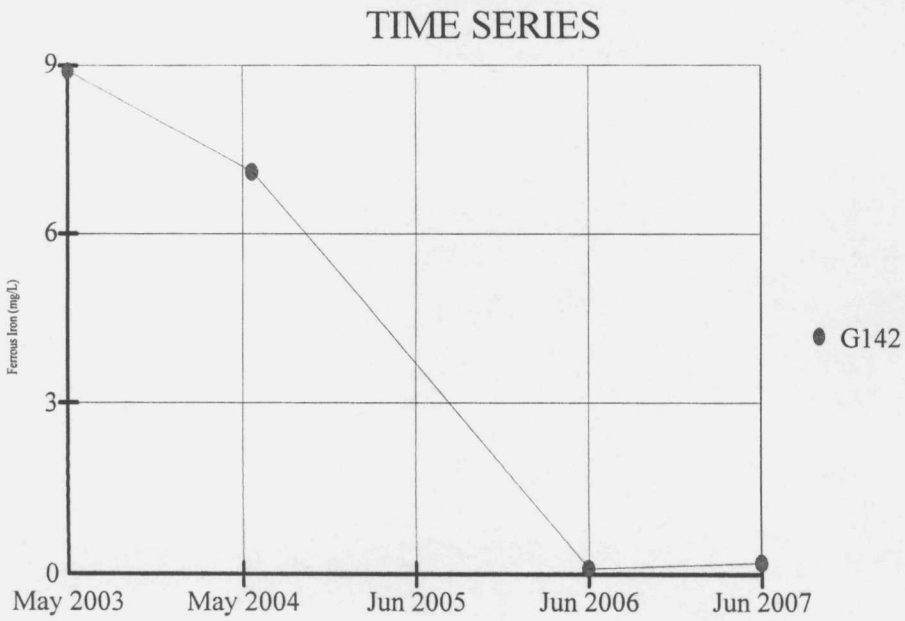
Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:44 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



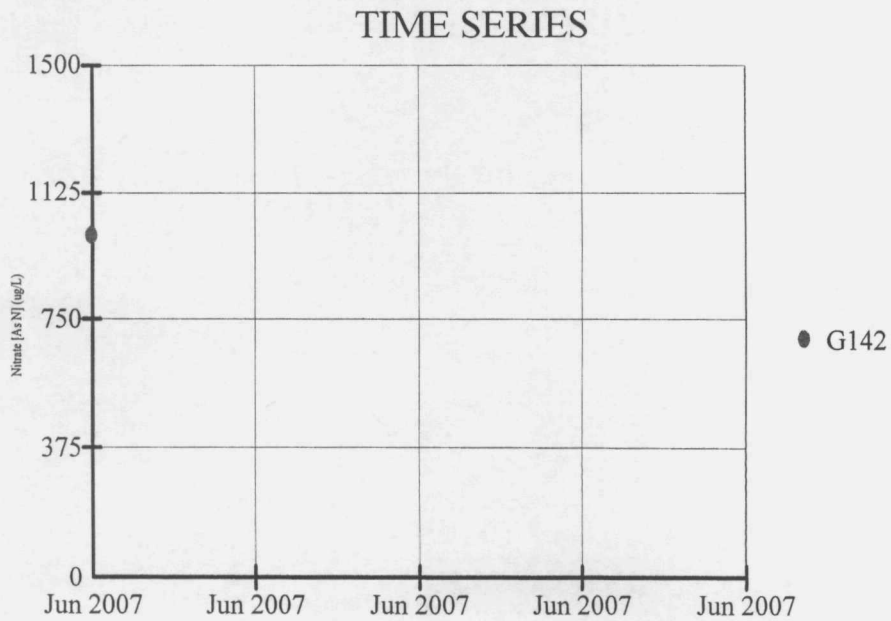
Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:44 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:44 PM Client: Shaw Environmental, Inc. View: _Batch_

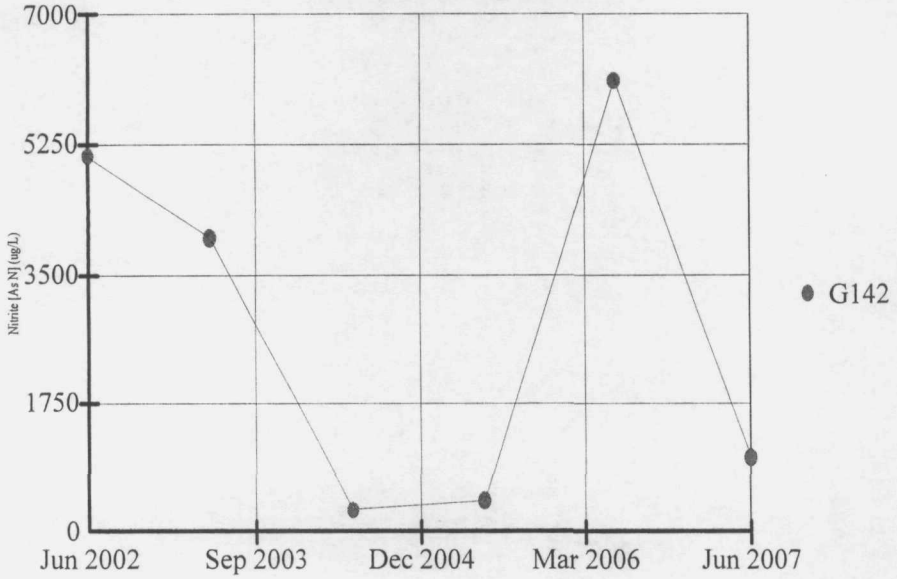
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:44 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

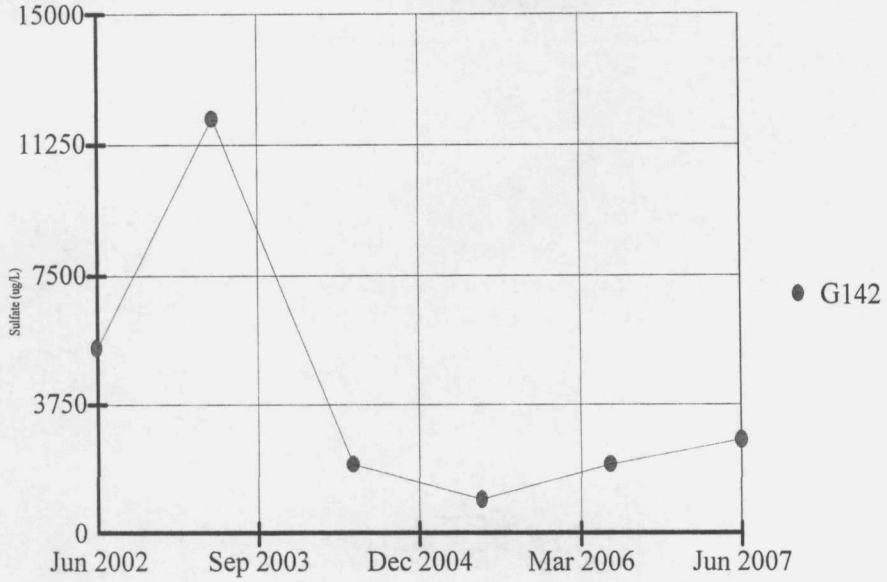
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:45 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

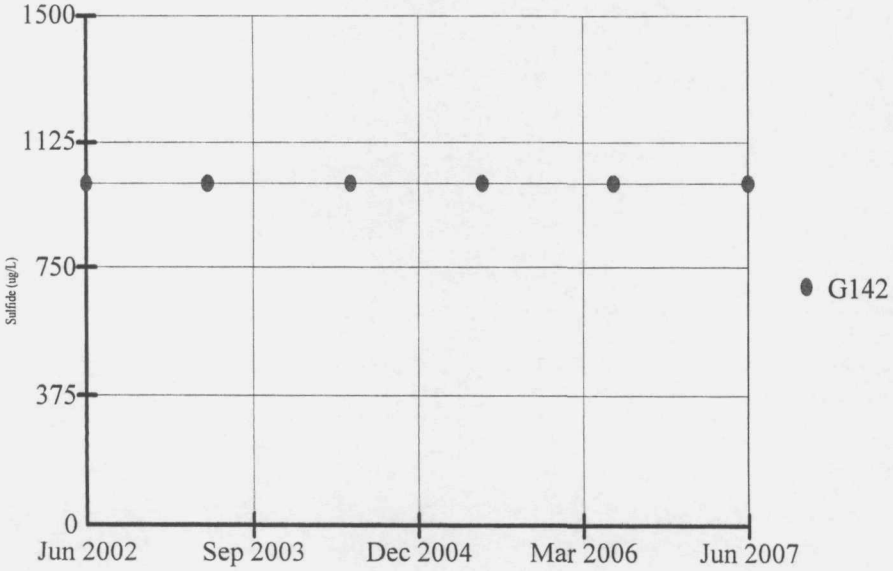
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:45 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

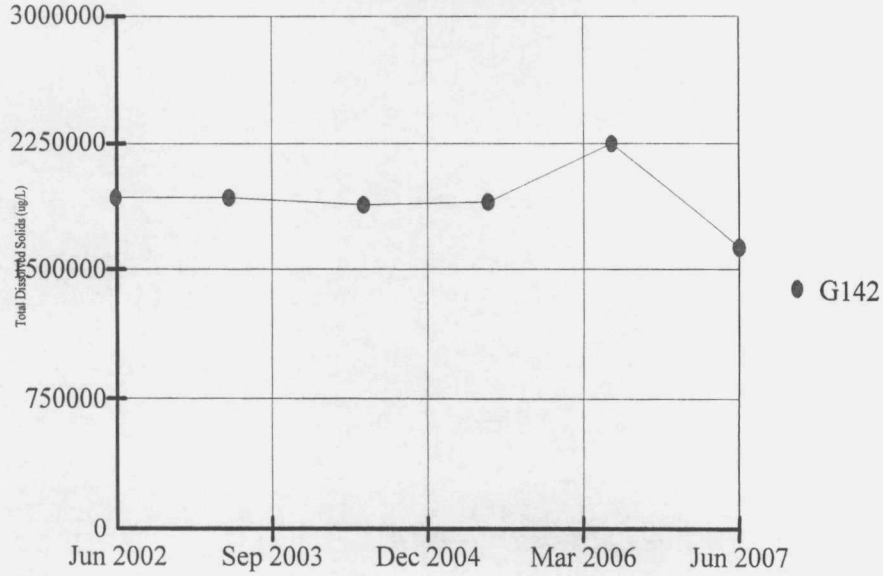
TIME SERIES



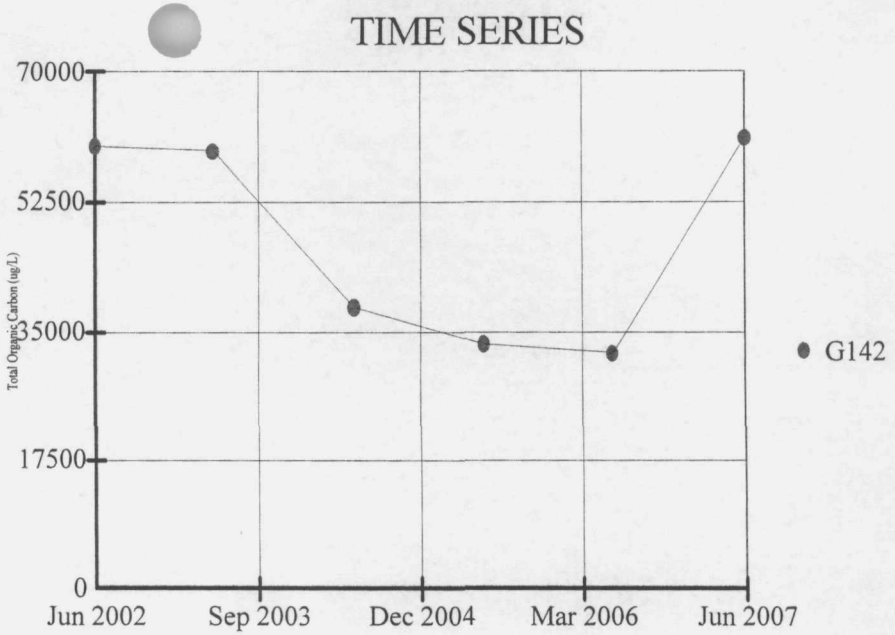
Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:45 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES

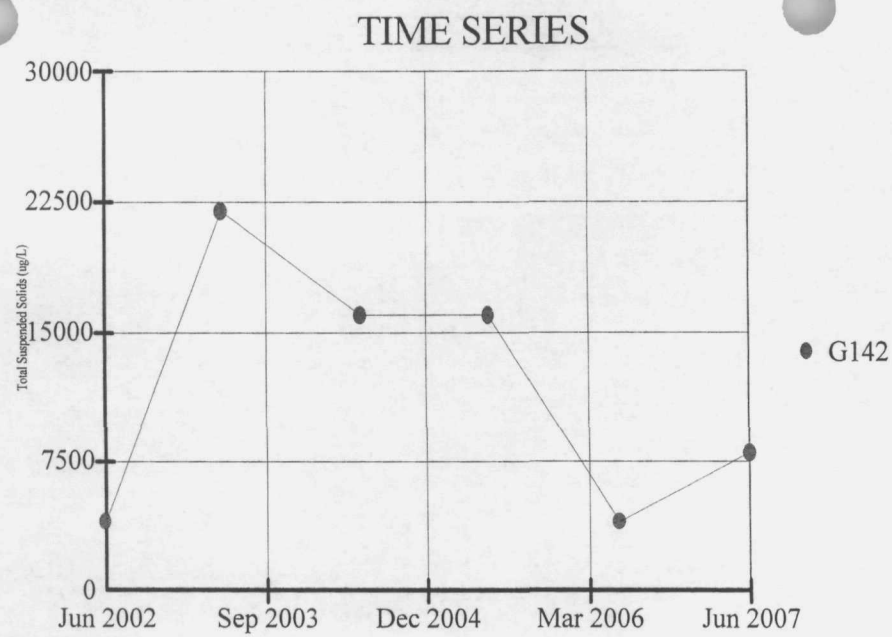


Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:45 PM Client: Shaw Environmental, Inc. View: _Batch_



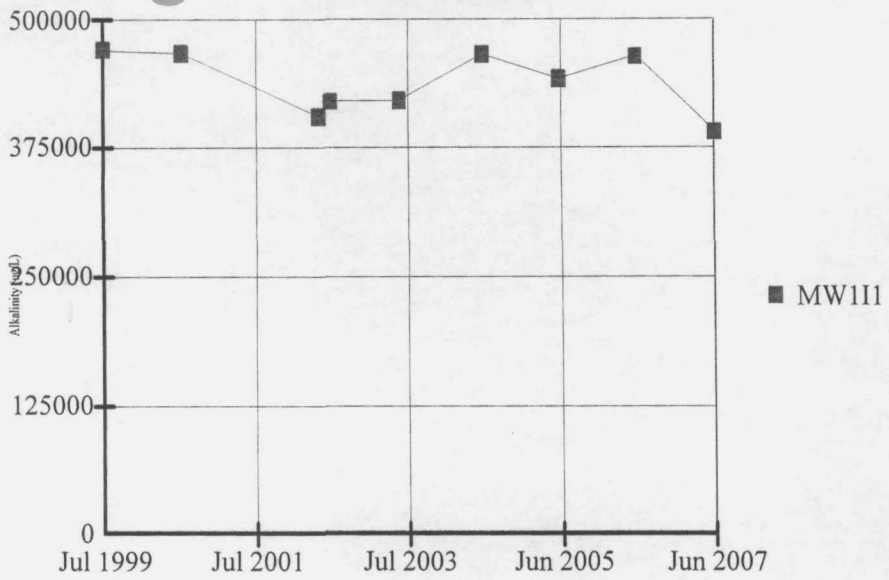
Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:45 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:45 PM Client: Shaw Environmental, Inc. View: _Batch_

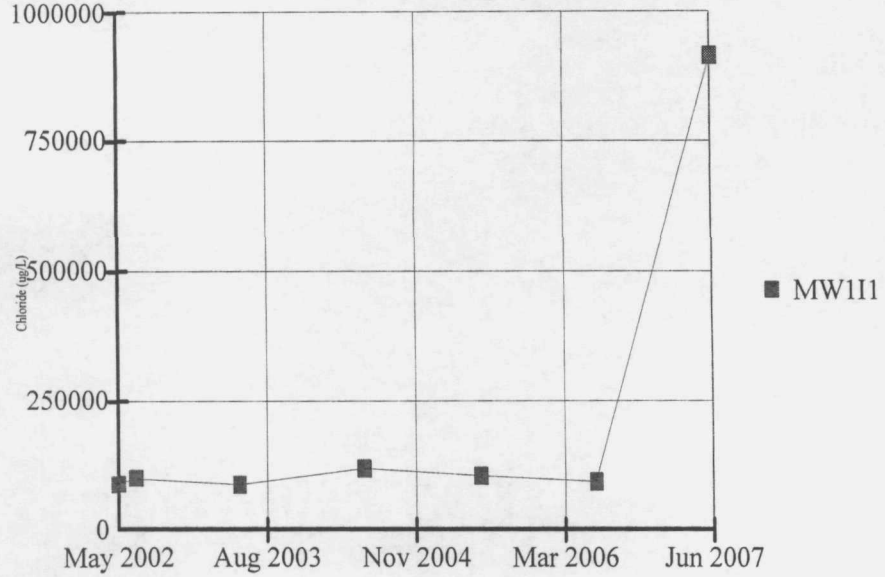
TIME SERIES



Constituent: Alkalinity (ug/L) 1 Data File: metals test
Date: 11/19/07, 4:46 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

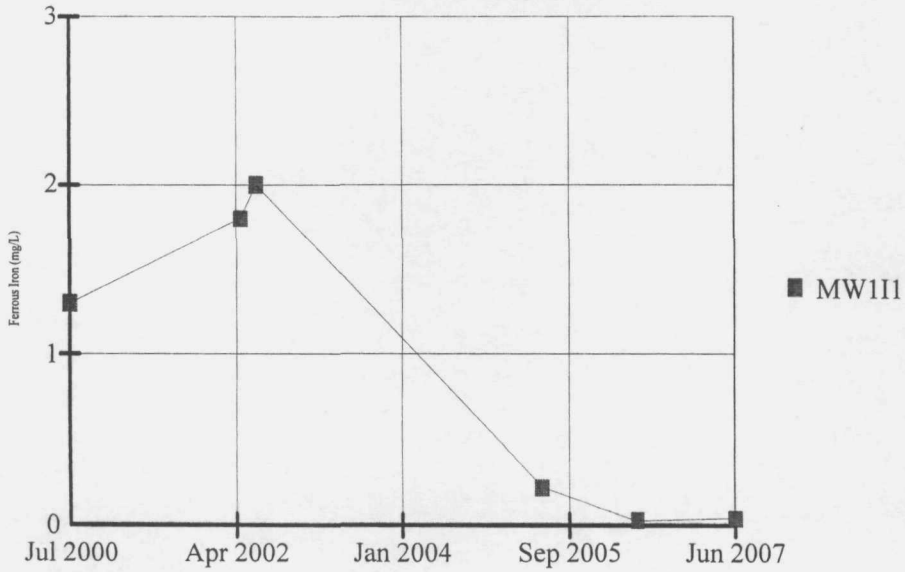
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:46 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

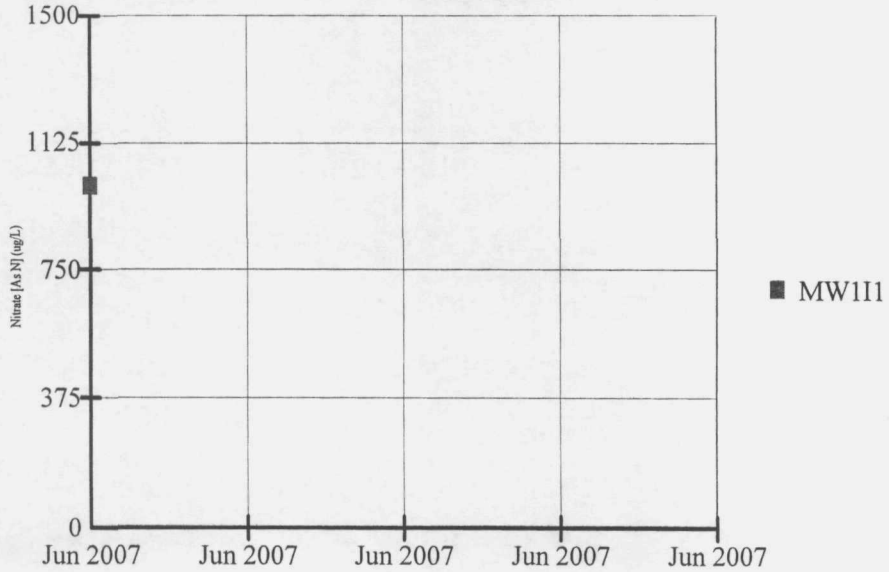
TIME SERIES



Constituent: Ferrous Iron (mg/L) 1 Data File: metals test
Date: 11/19/07, 4:46 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

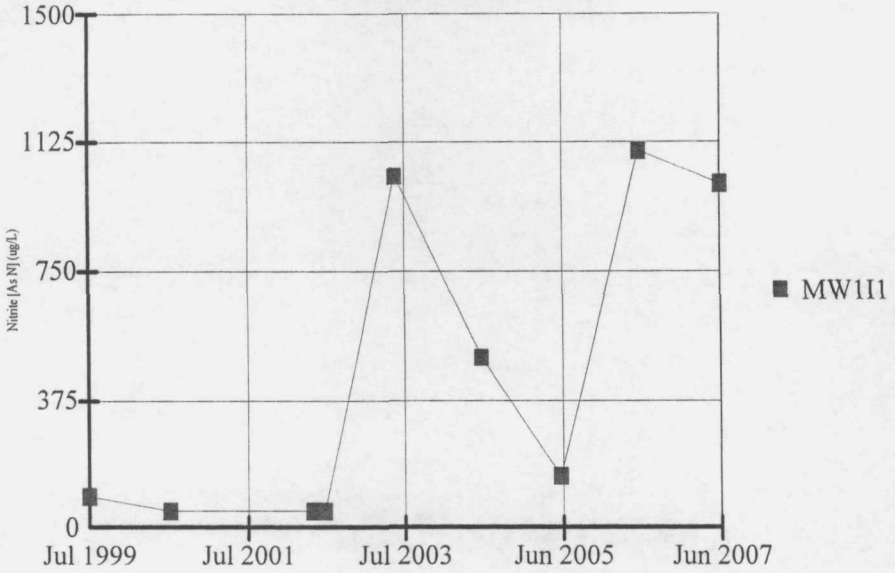
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:46 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

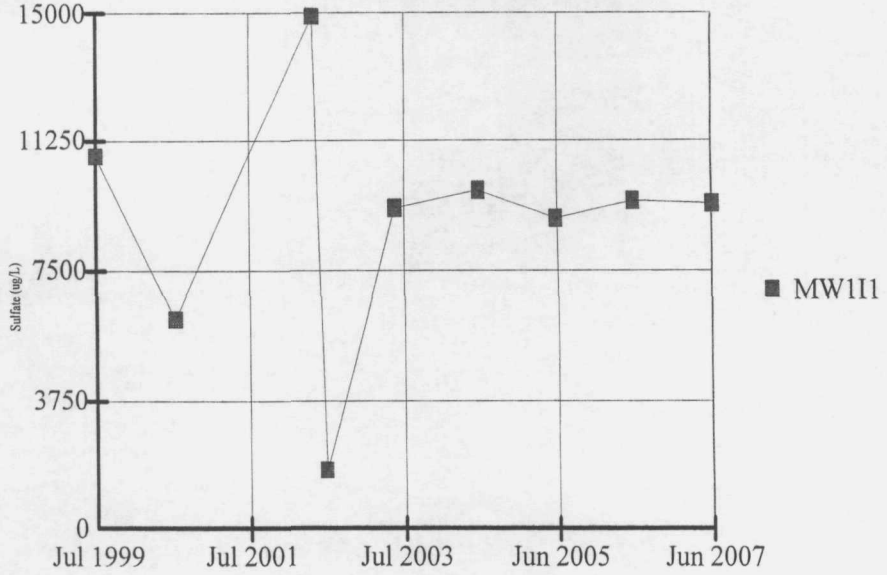
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:46 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

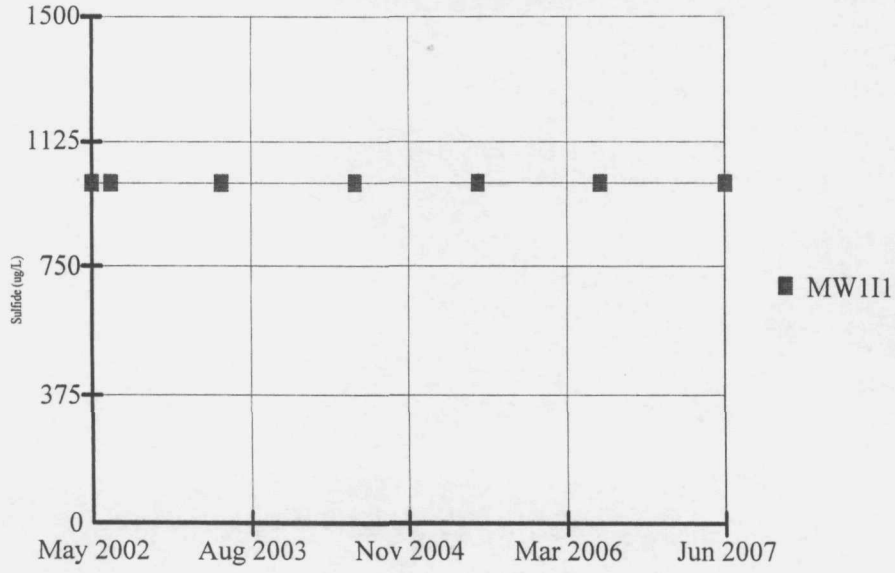
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:46 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

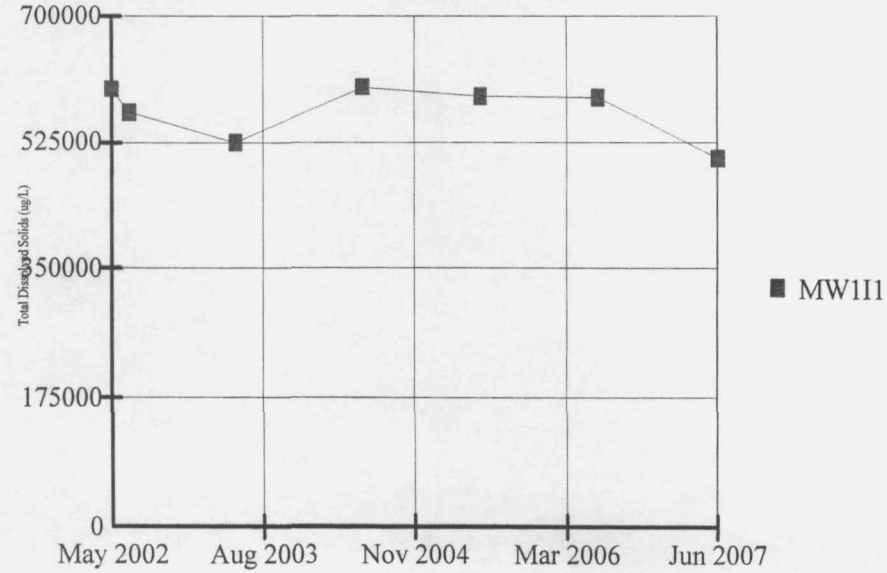
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:47 PM Client: Shaw Environmental, Inc. View: _Batch_

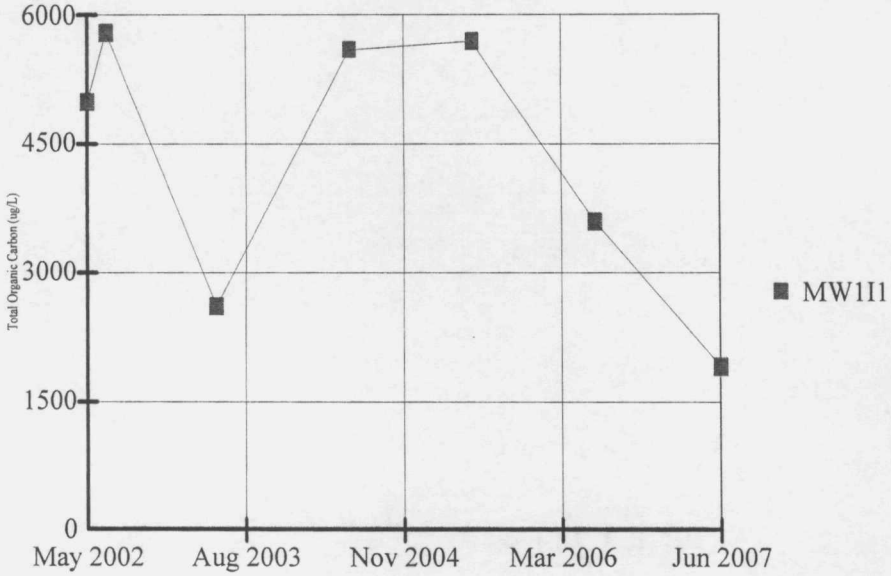
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:47 PM Client: Shaw Environmental, Inc. View: _Batch_

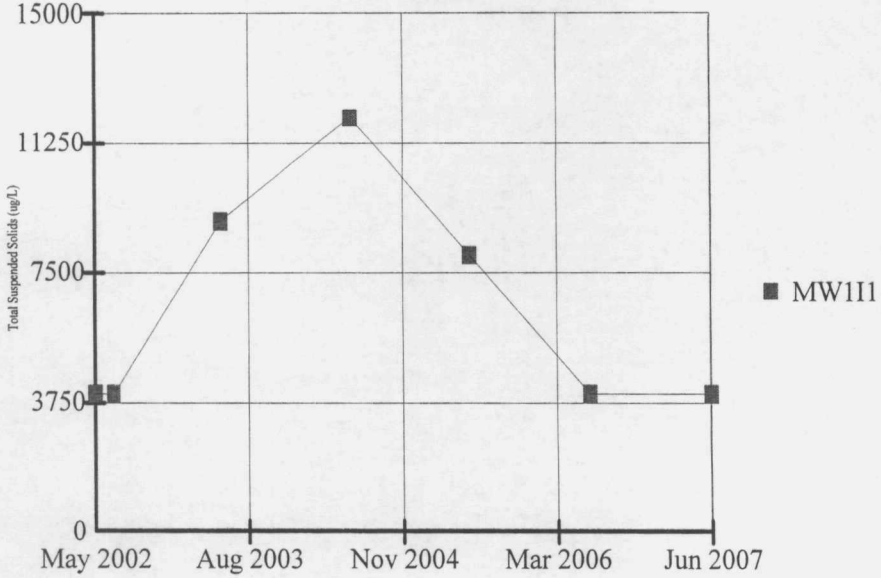
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:47 PM Client: Shaw Environmental, Inc. View: _Batch_

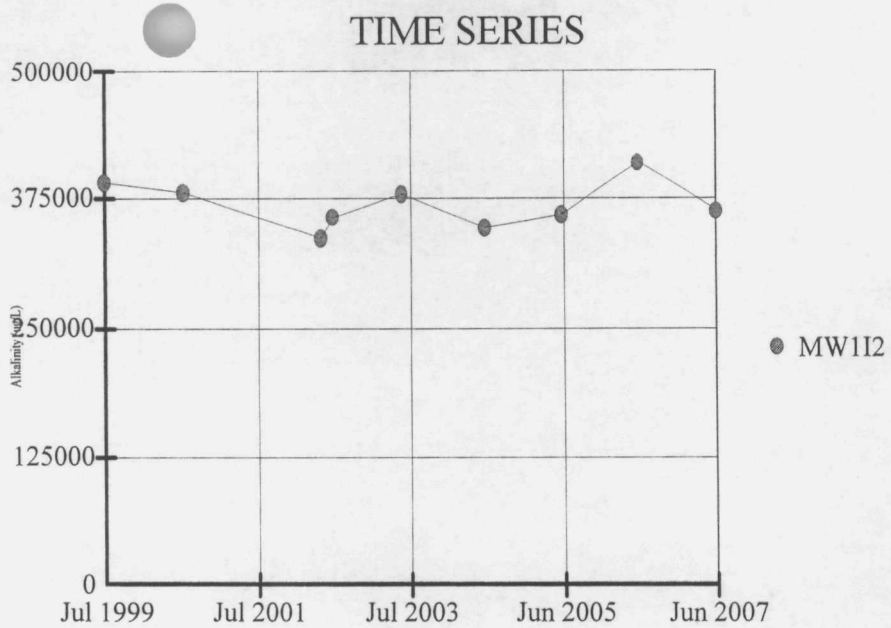
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



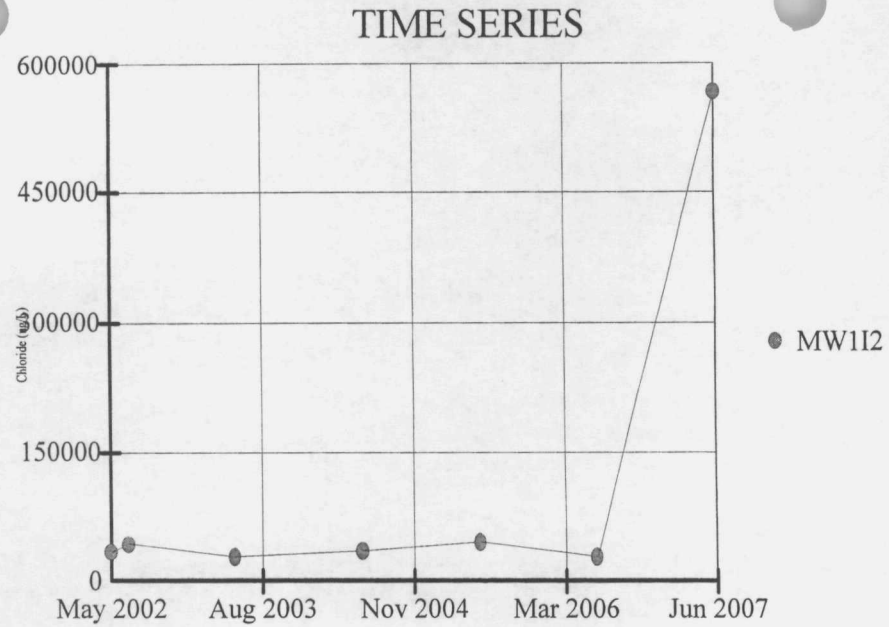
Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:47 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



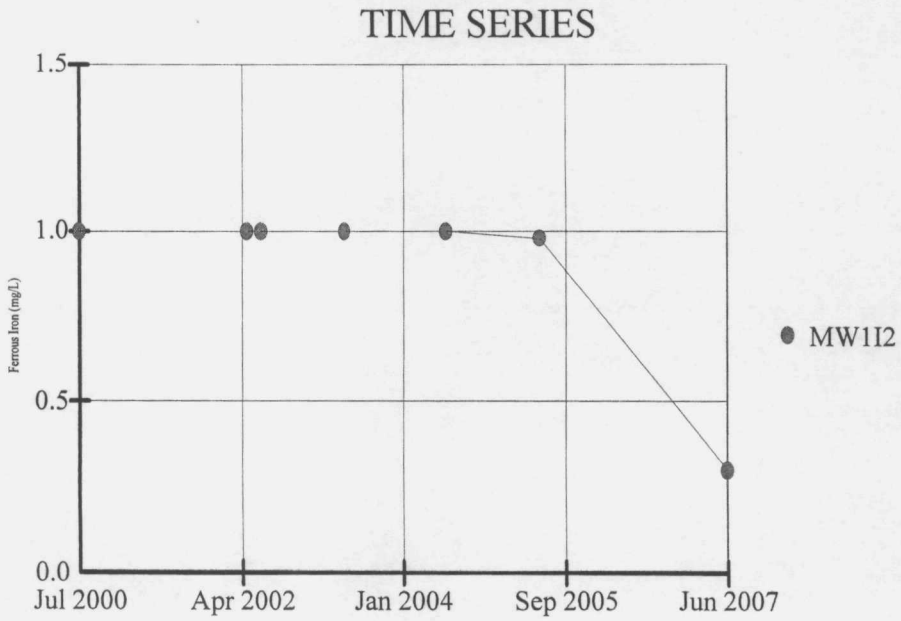
Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:48 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



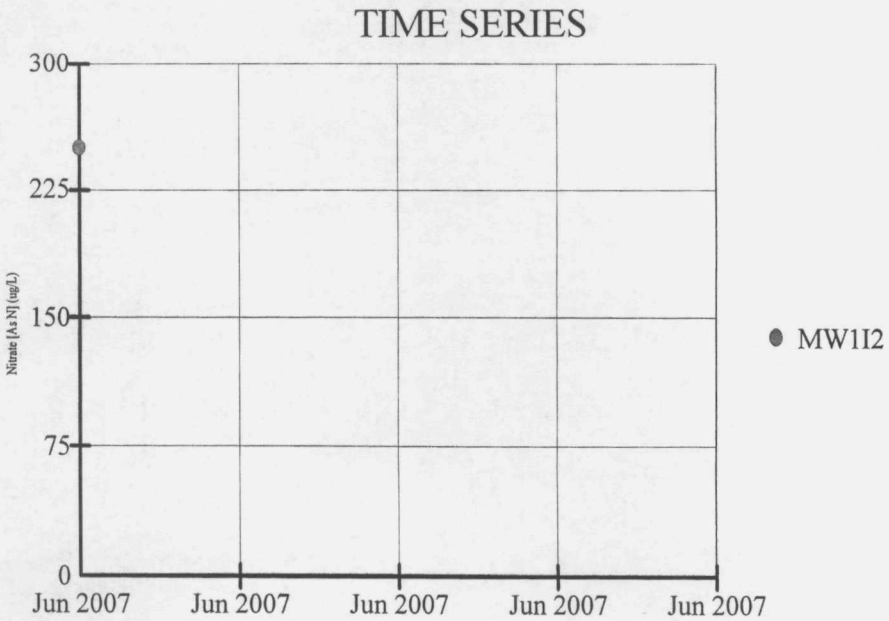
Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:48 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



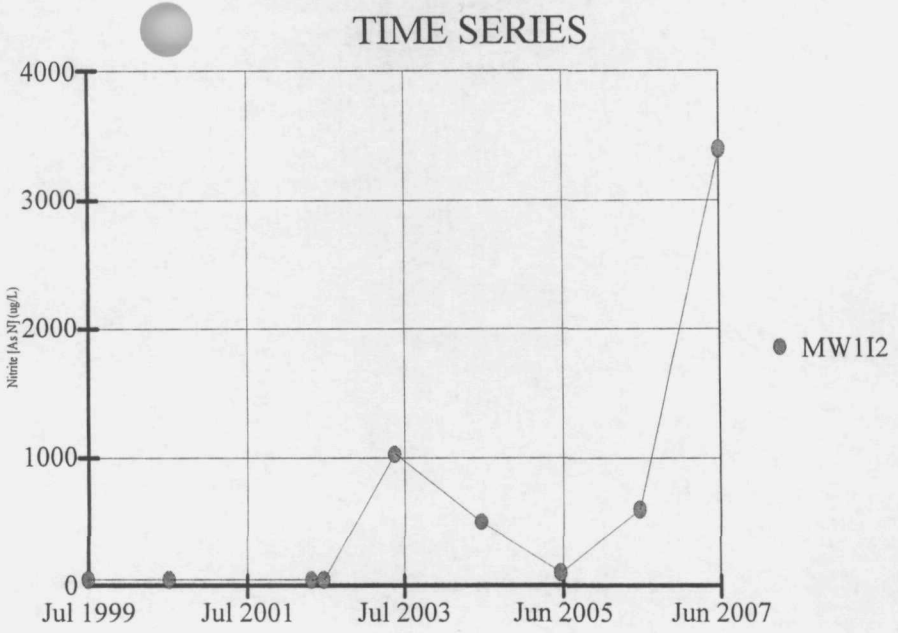
Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:48 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



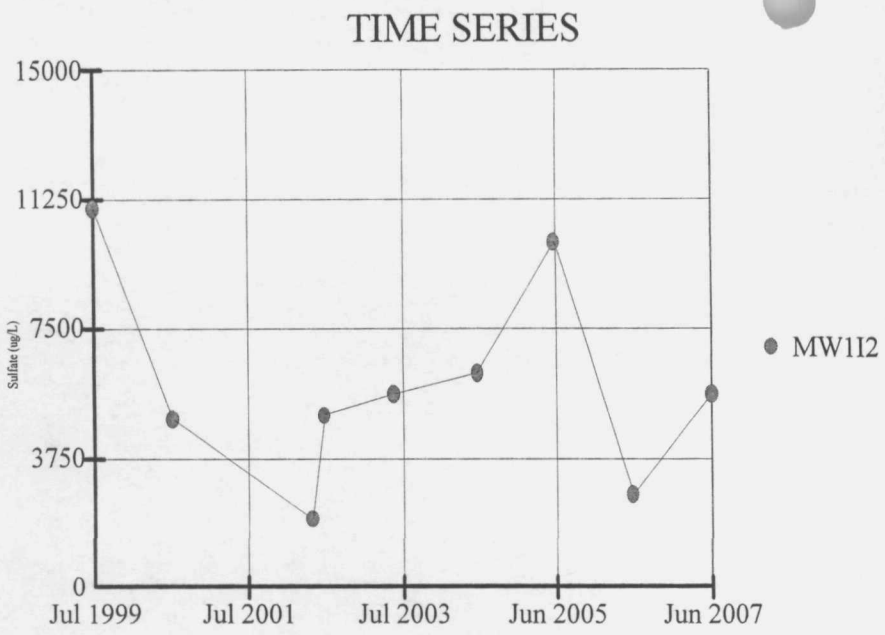
Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:48 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:48 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:48 PM Client: Shaw Environmental, Inc. View: _Batch_

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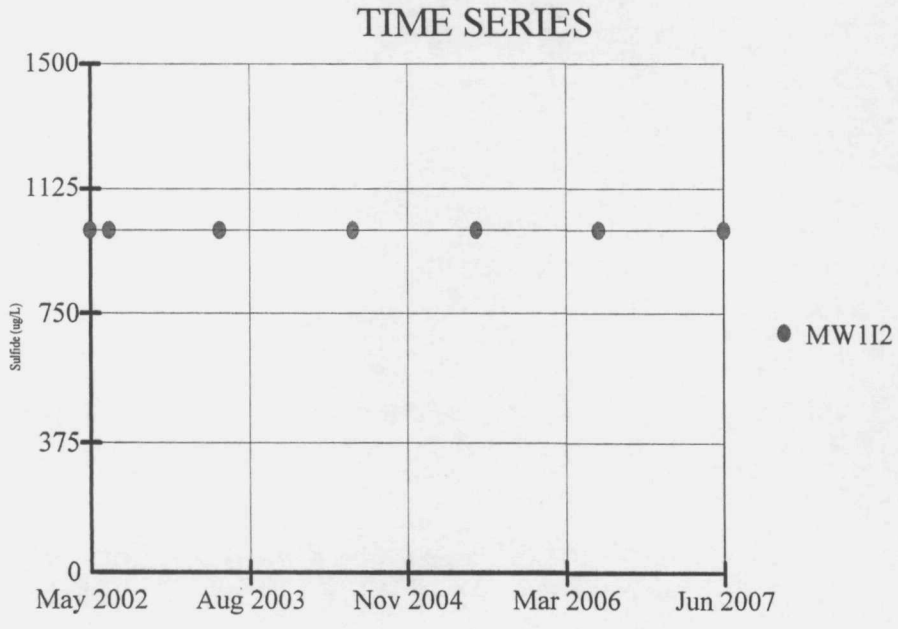
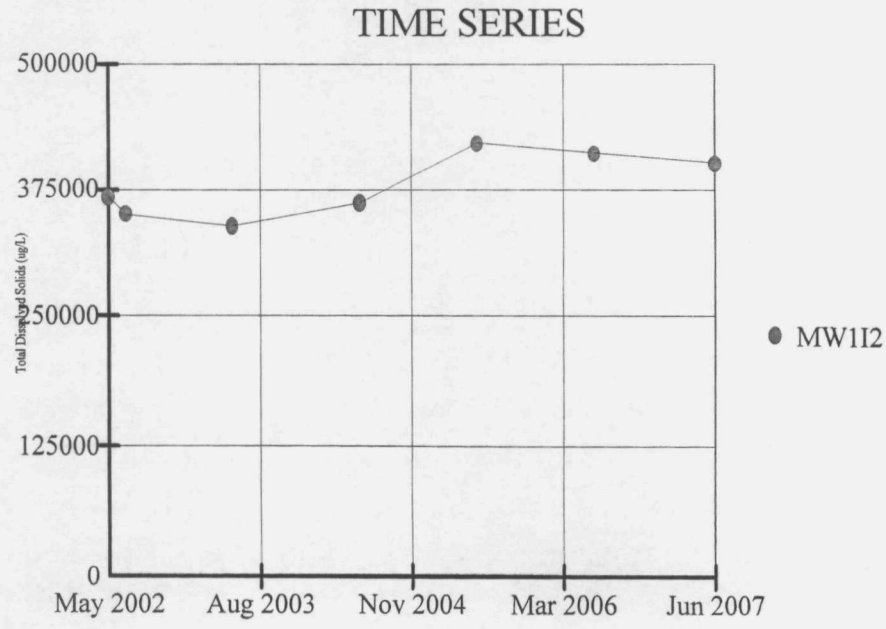


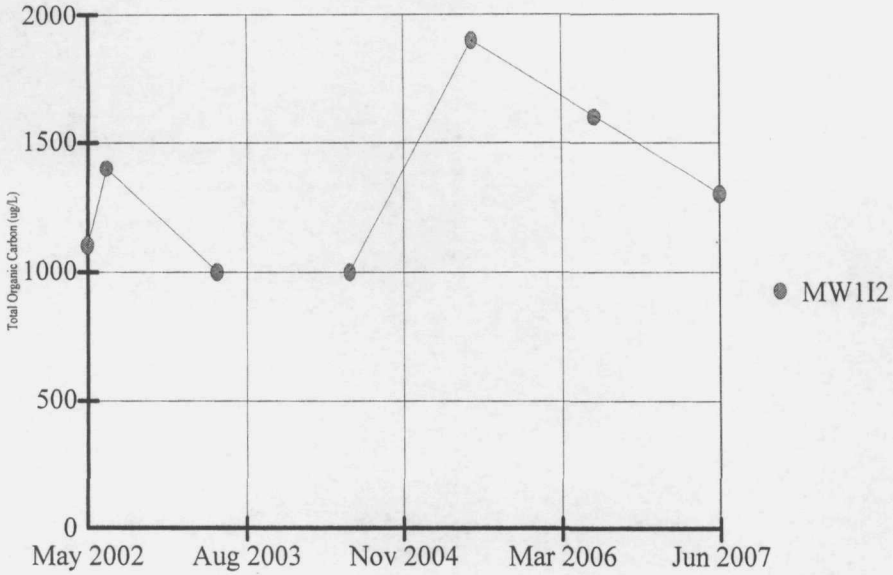
Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:48 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:48 PM Client: Shaw Environmental, Inc. View: _Batch_

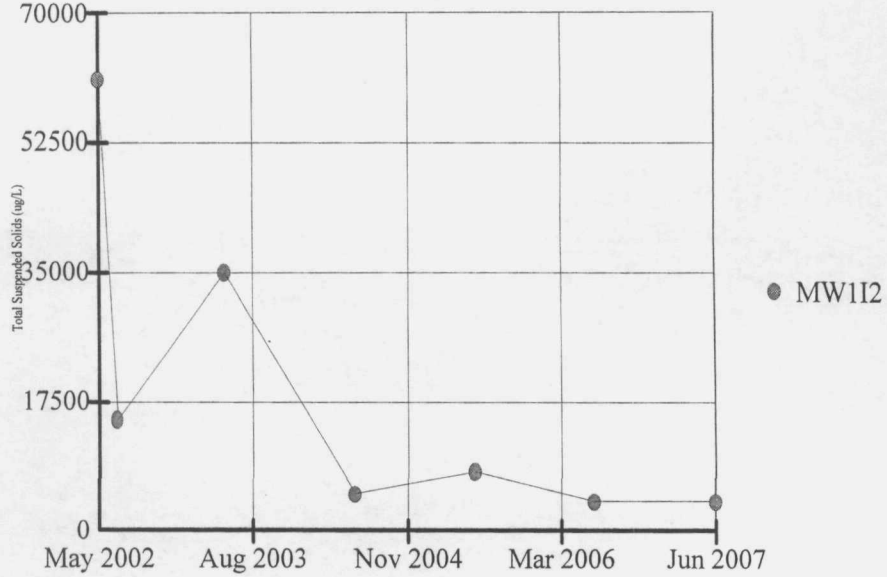
TIME SERIES



Constituent: Total Organic Carbon (ug/L) | Data File: metals test
Date: 11/19/07, 4:49 PM Client: Shaw Environmental, Inc. View: _Batch_

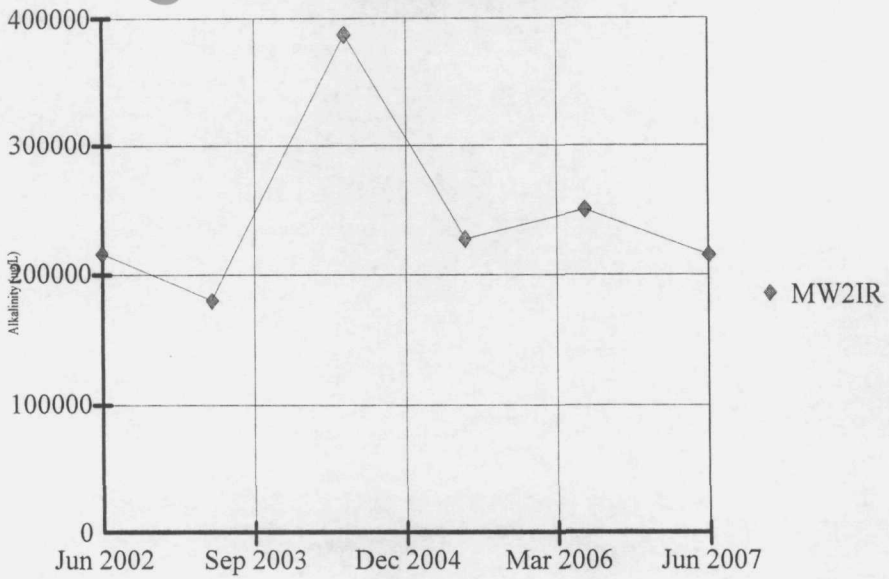
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:49 PM Client: Shaw Environmental, Inc. View: _Batch_

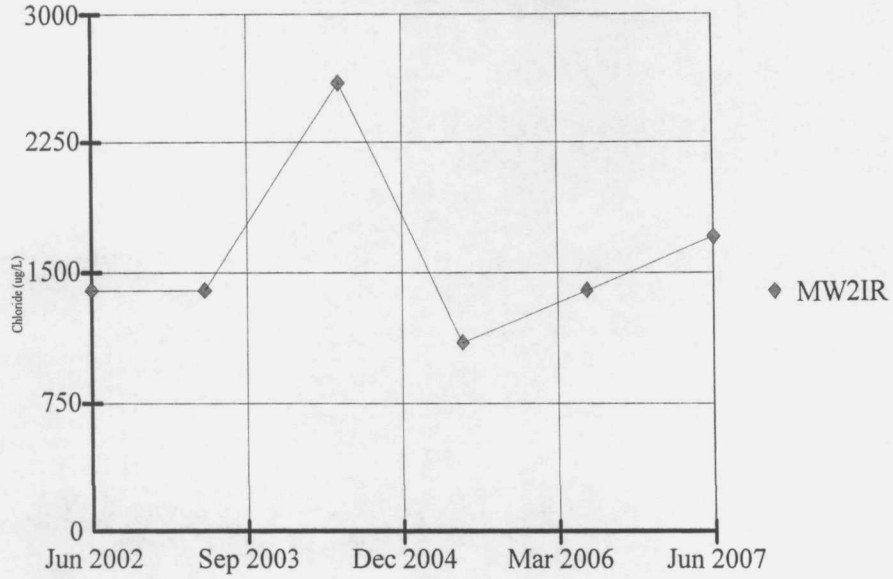
TIME SERIES



Constituent: Alkalinity (ug/L) 1 Data File: metals test
Date: 11/19/07, 4:50 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

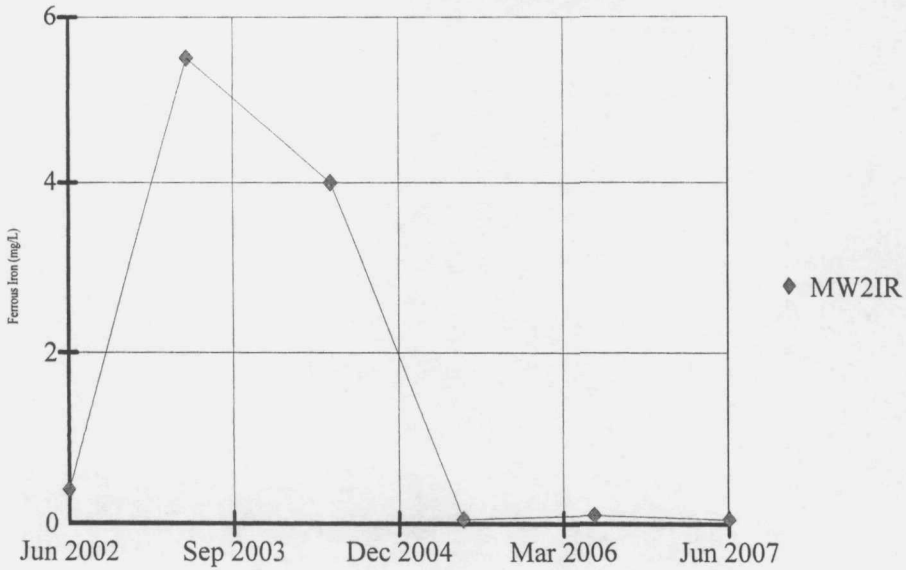
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:50 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

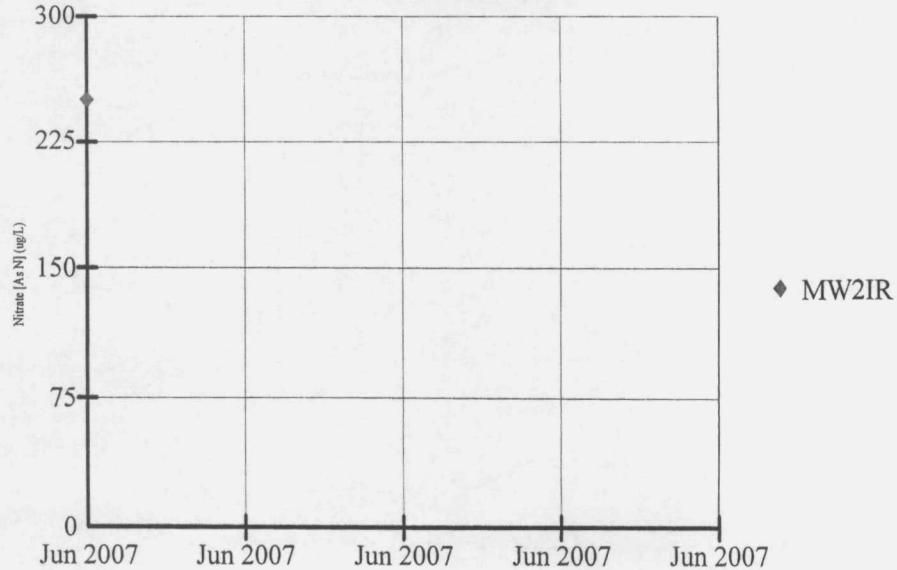
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:50 PM Client: Shaw Environmental, Inc. View: _Batch_

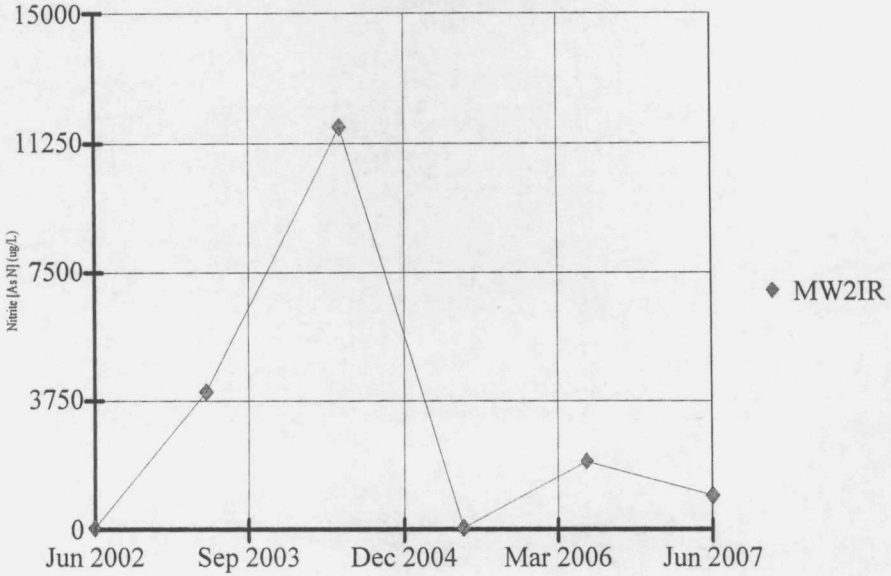
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:50 PM Client: Shaw Environmental, Inc. View: _Batch_

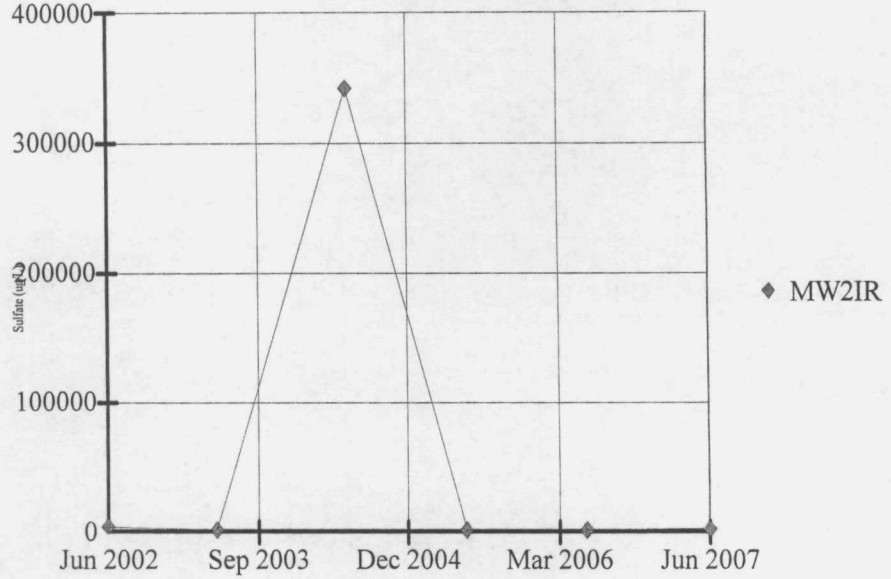
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:51 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

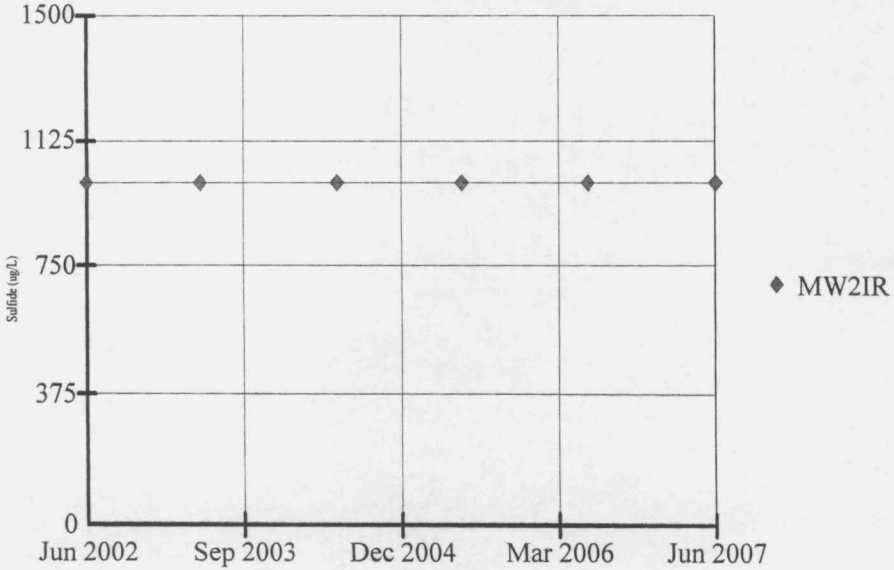
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:51 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

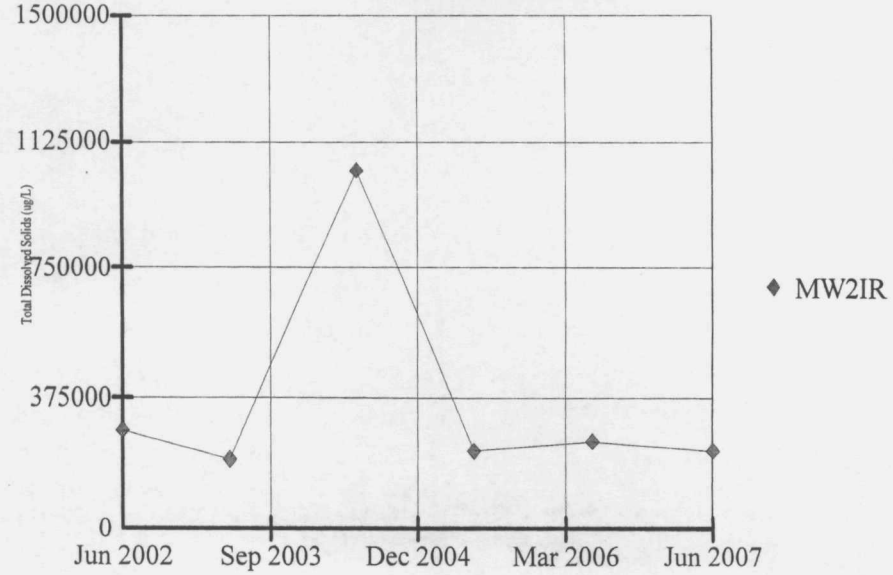
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:51 PM Client: Shaw Environmental, Inc. View: _Batch_

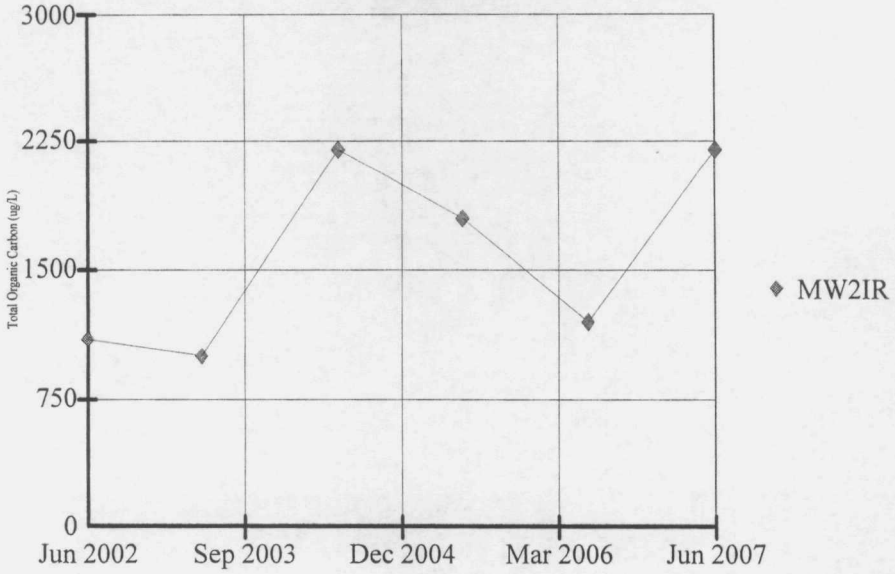
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:51 PM Client: Shaw Environmental, Inc. View: _Batch_

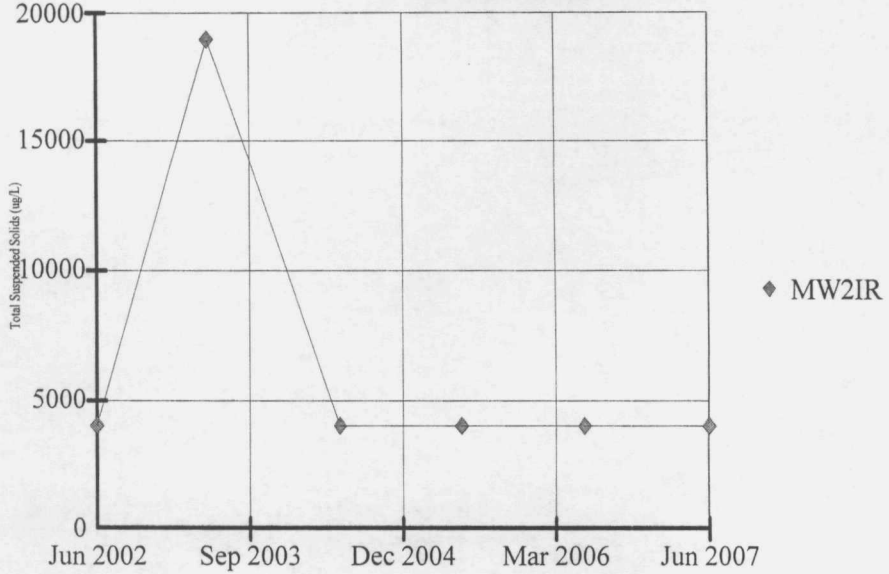
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:51 PM Client: Shaw Environmental, Inc. View: _Batch_

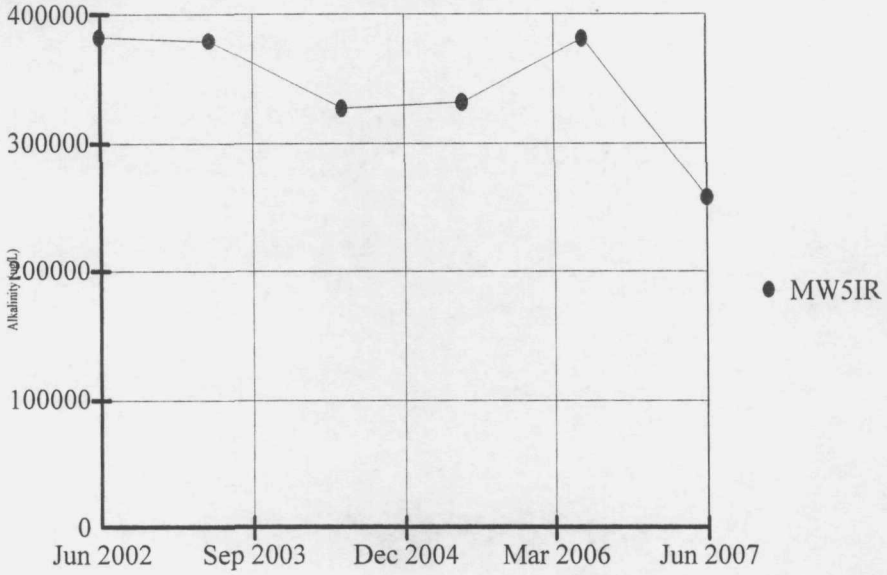
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:51 PM Client: Shaw Environmental, Inc. View: _Batch_

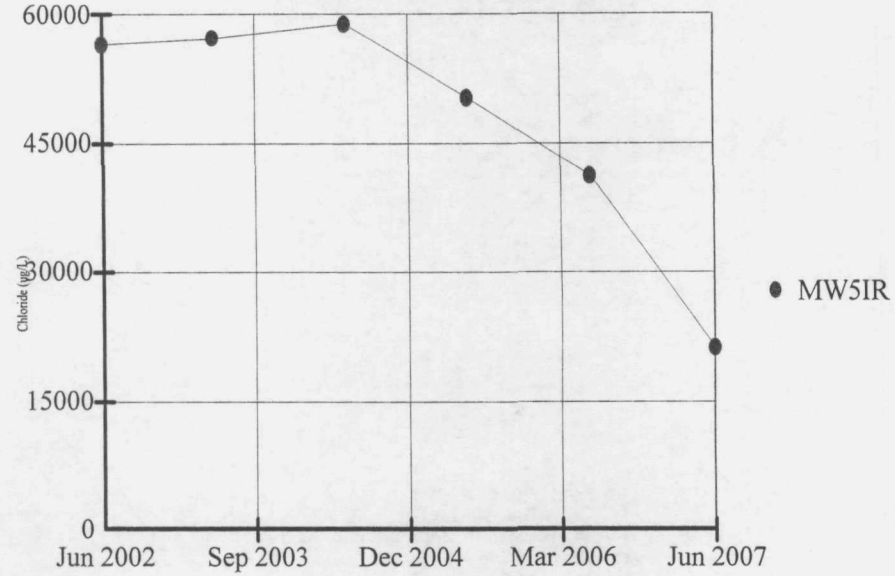
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:52 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

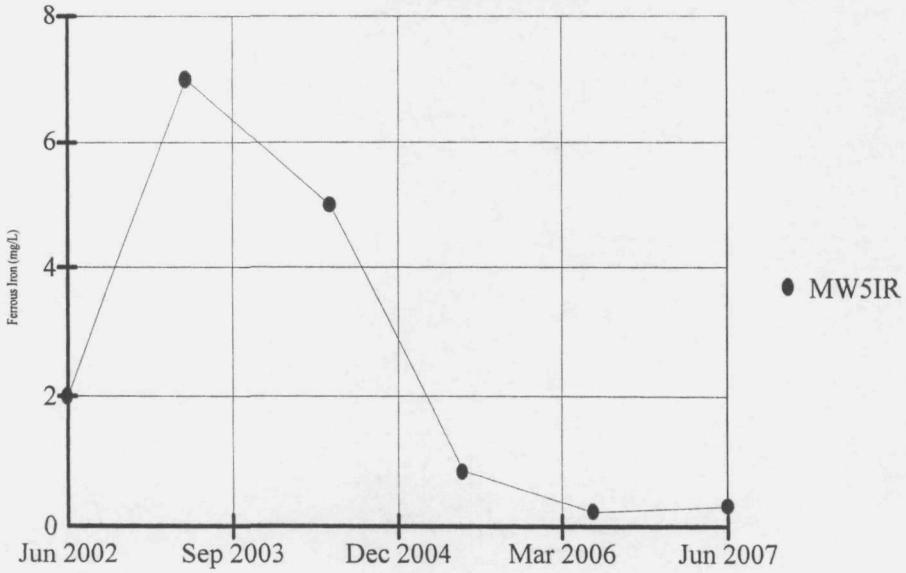
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:52 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

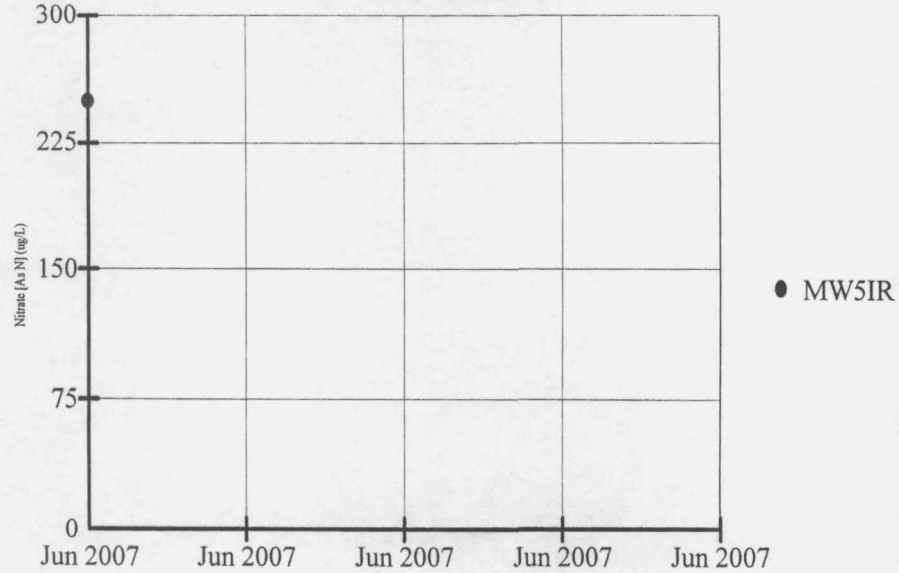
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:52 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

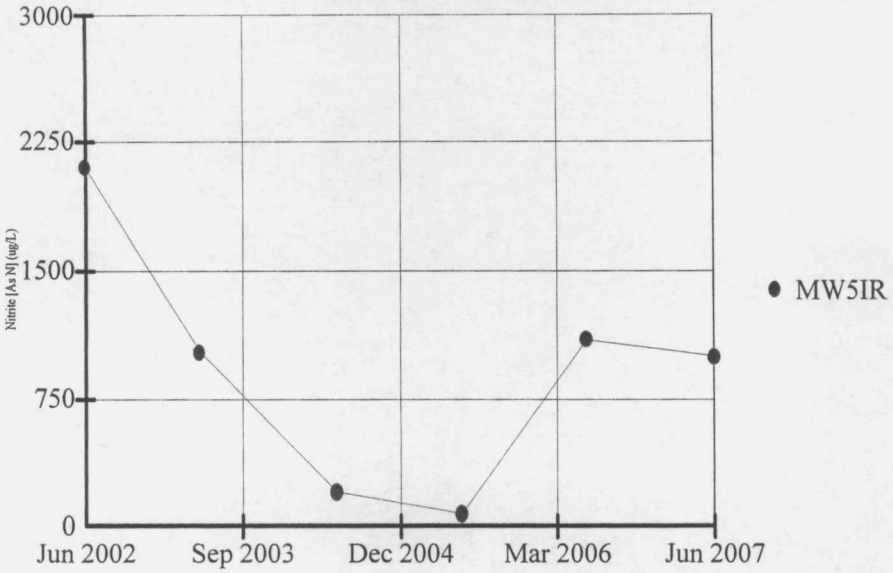
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:52 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

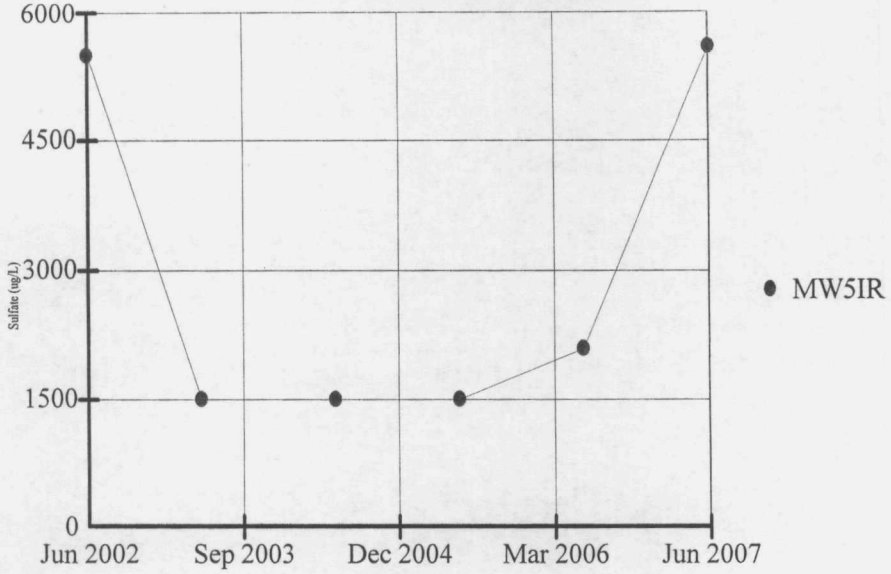
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:52 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

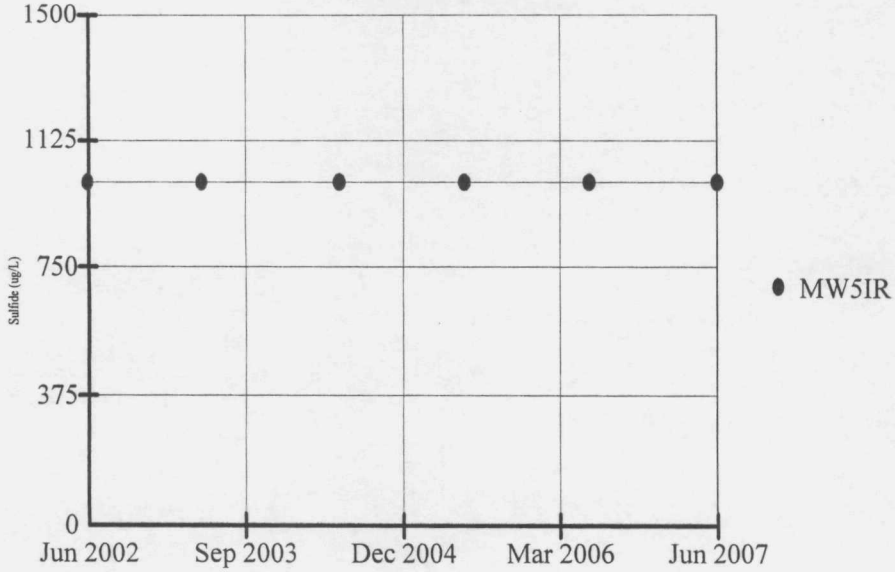
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:52 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

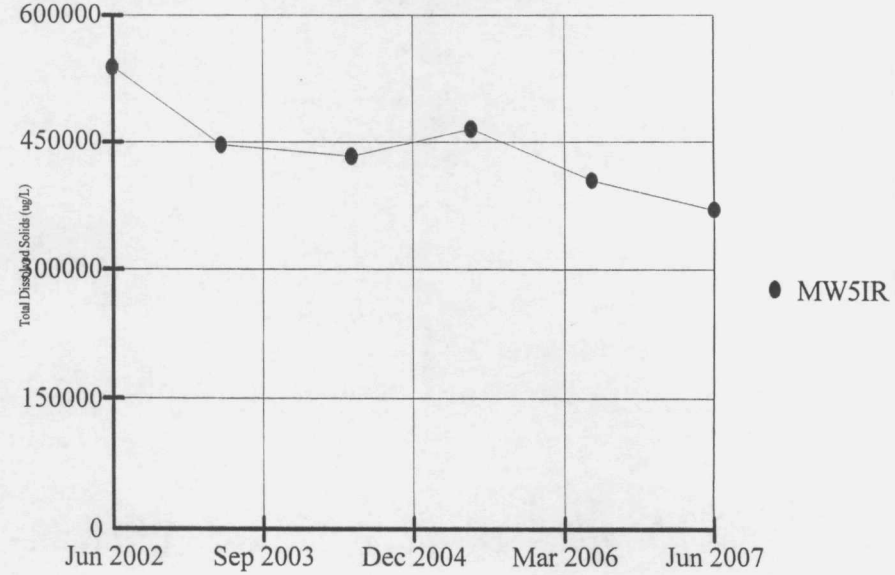
TIME SERIES



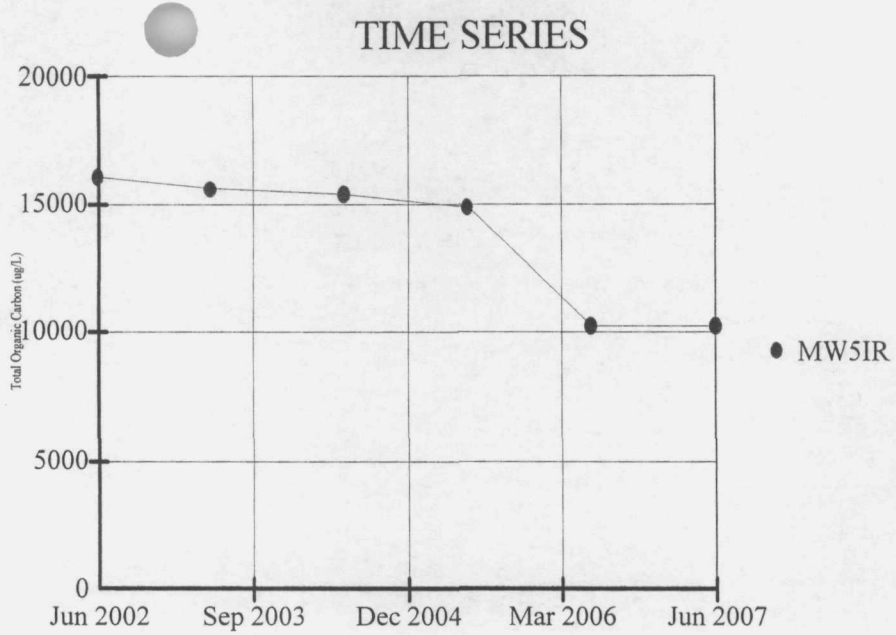
Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:52 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES

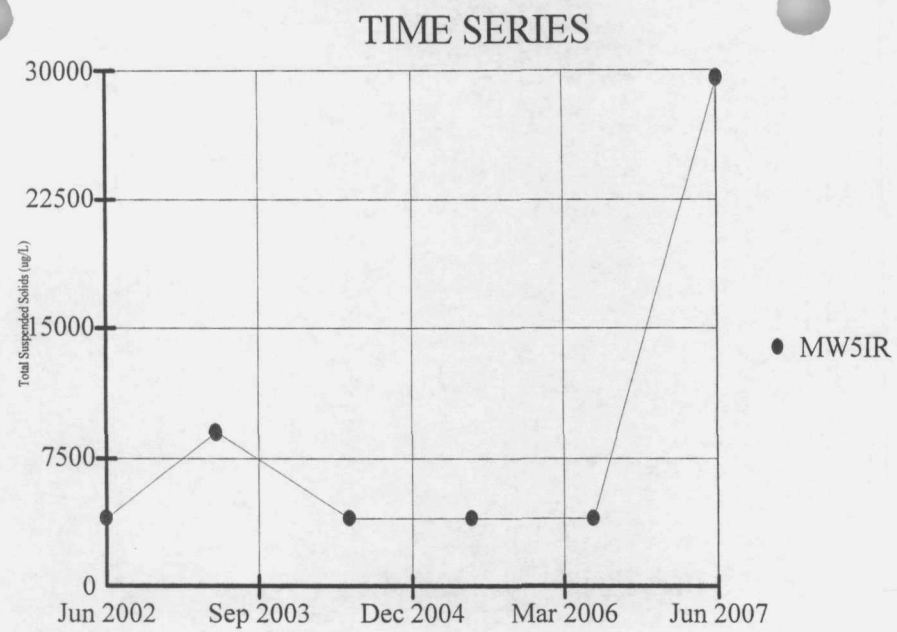


Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:53 PM Client: Shaw Environmental, Inc. View: _Batch_



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:53 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:53 PM Client: Shaw Environmental, Inc. View: _Batch_

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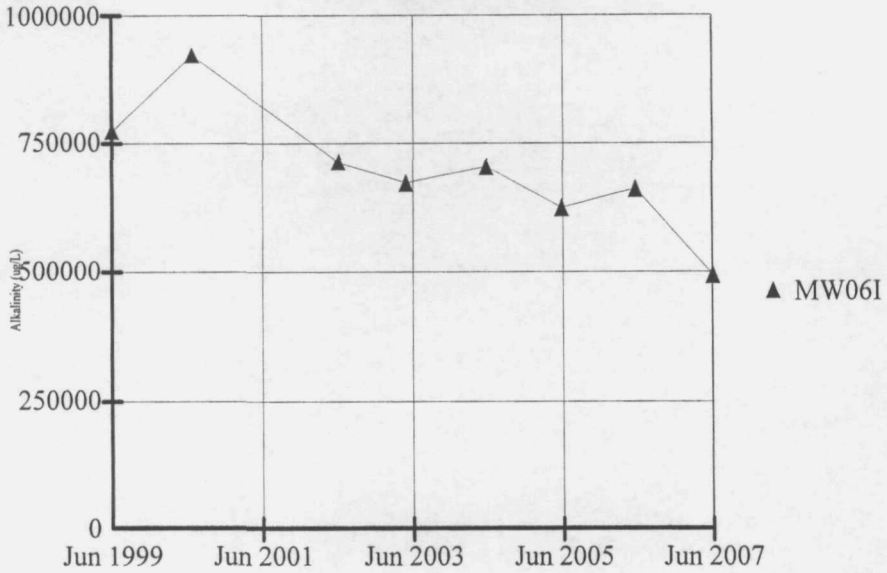
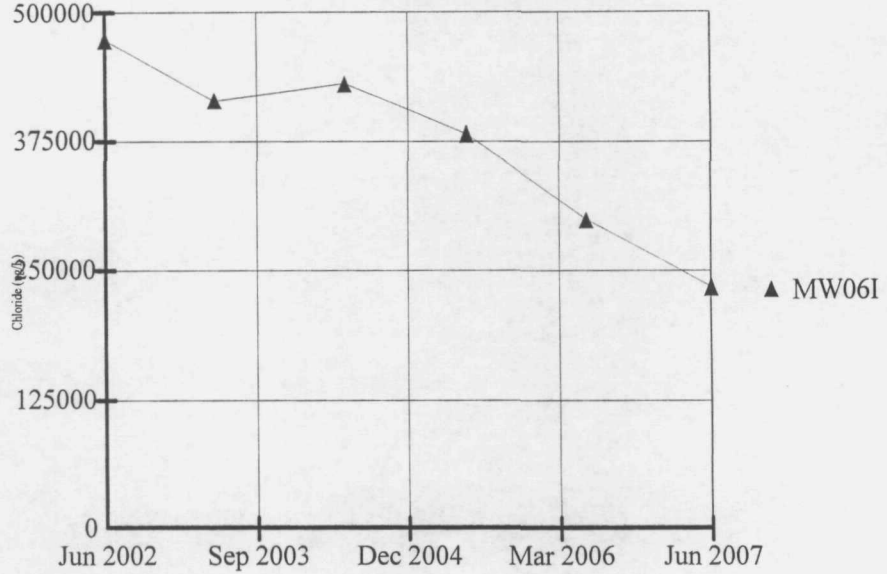
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:53 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

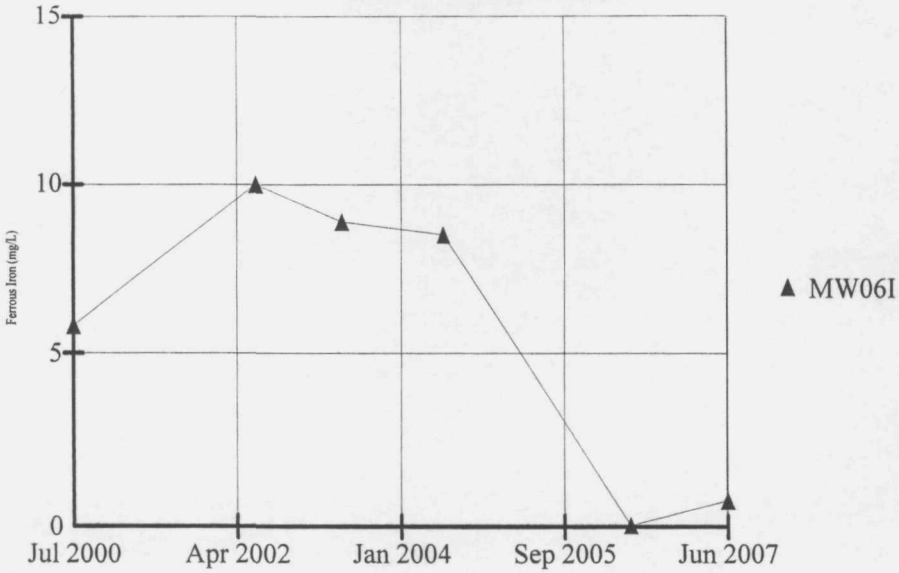
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:53 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

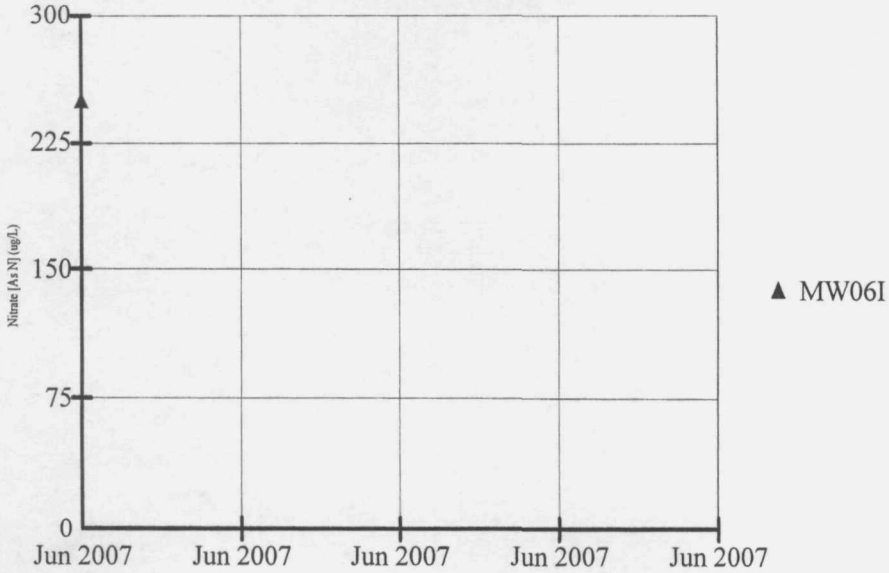
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:53 PM Client: Shaw Environmental, Inc. View: _Batch_

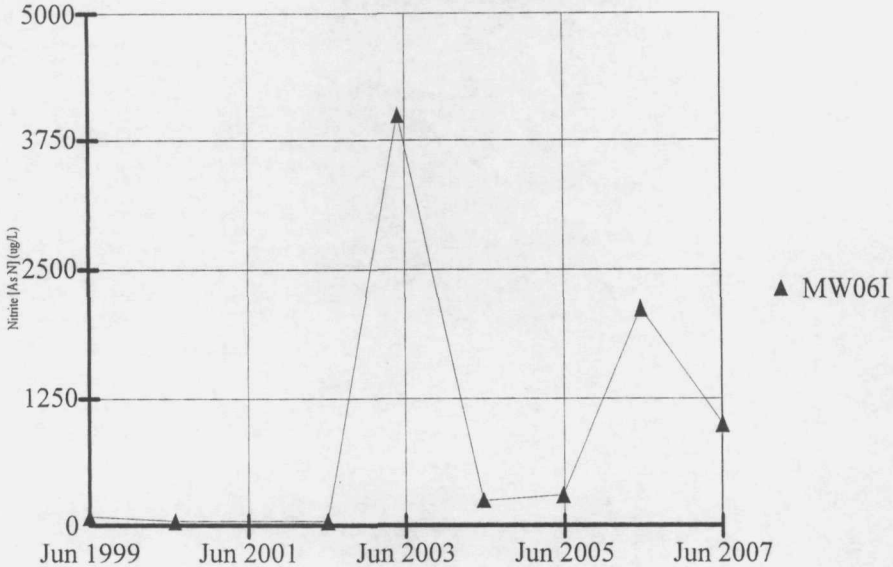
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:54 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:54 PM Client: Shaw Environmental, Inc. View: _Batch_

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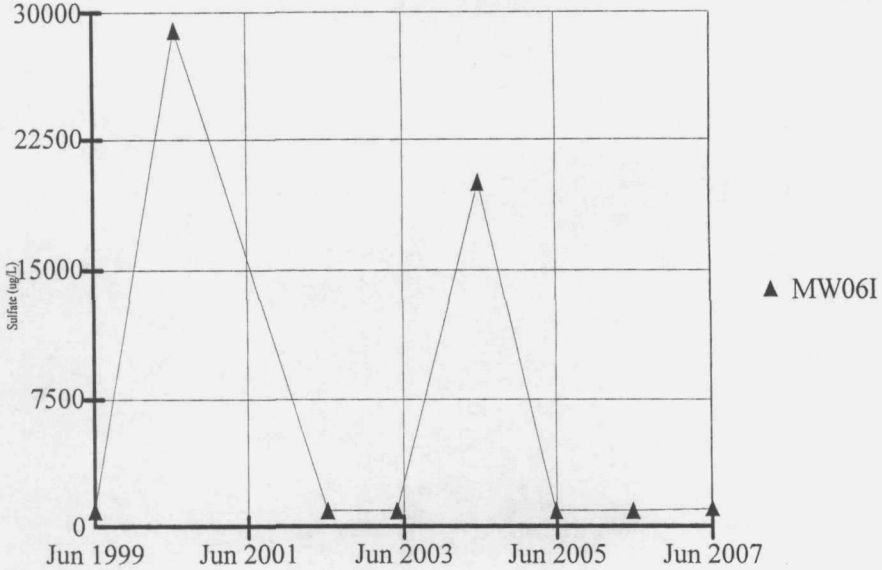
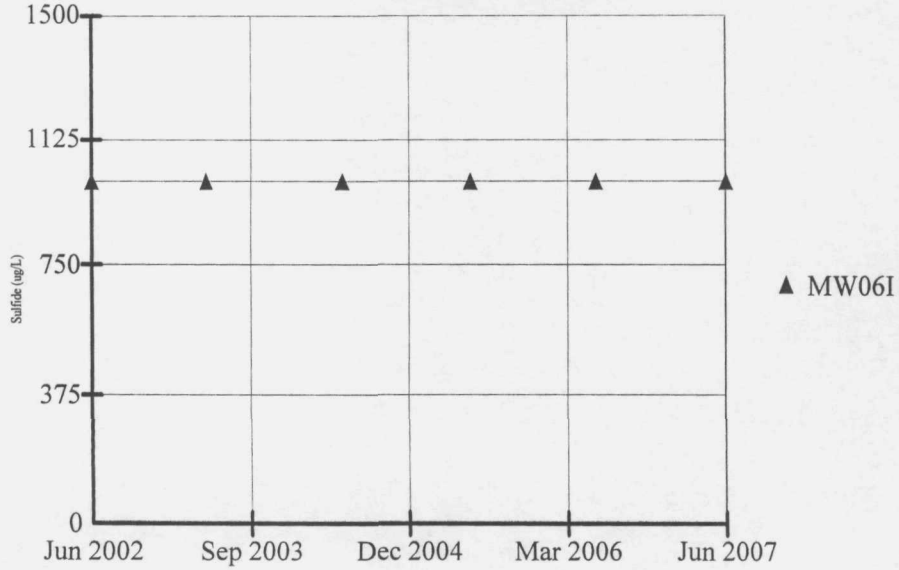
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:54 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:54 PM Client: Shaw Environmental, Inc. View: _Batch_

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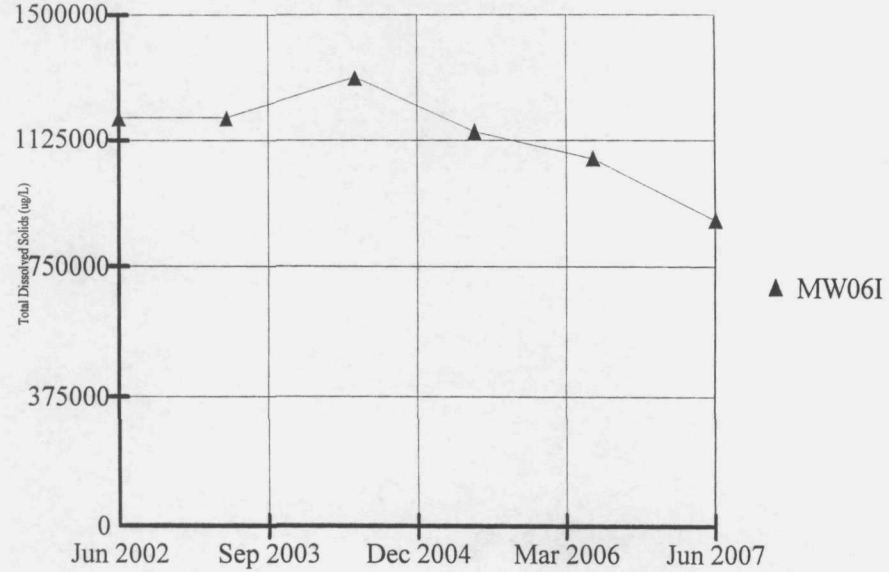
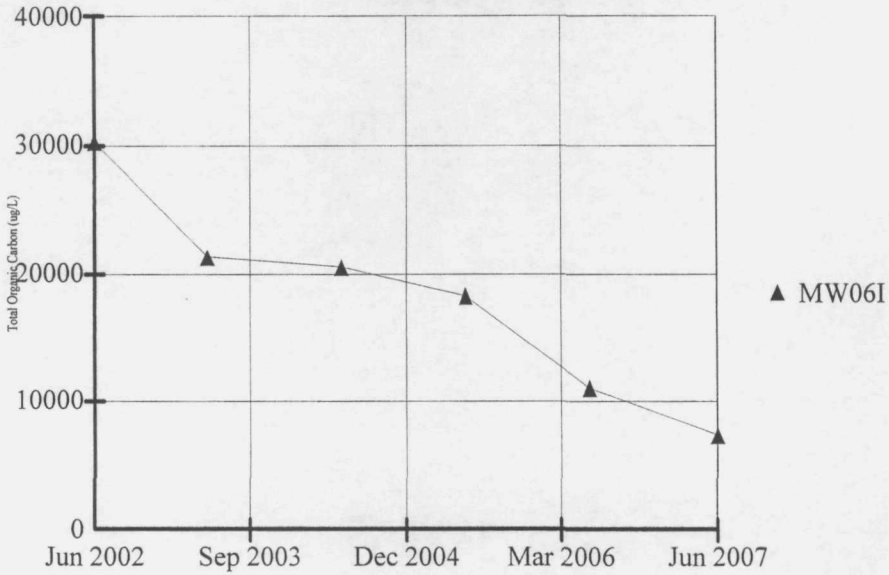
TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:54 PM Client: Shaw Environmental, Inc. View: _Batch_

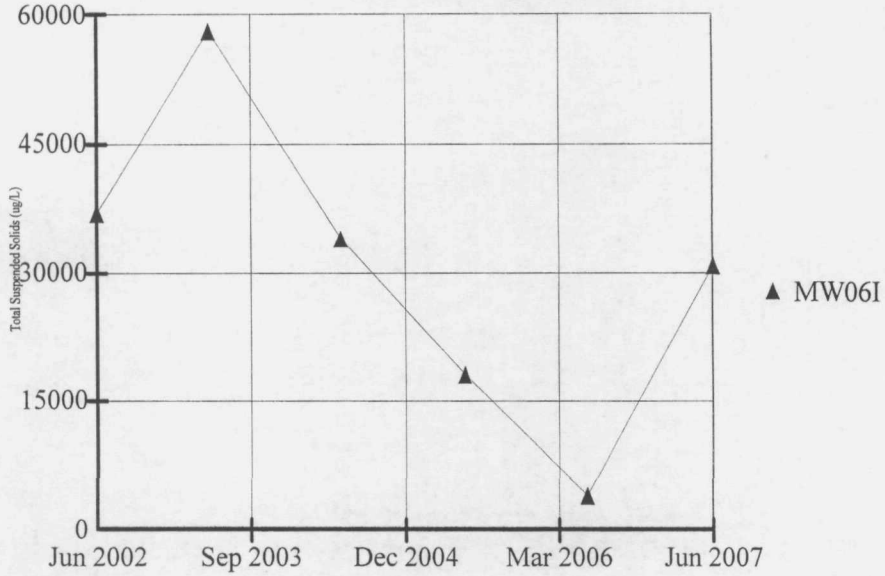
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:54 PM Client: Shaw Environmental, Inc. View: _Batch_

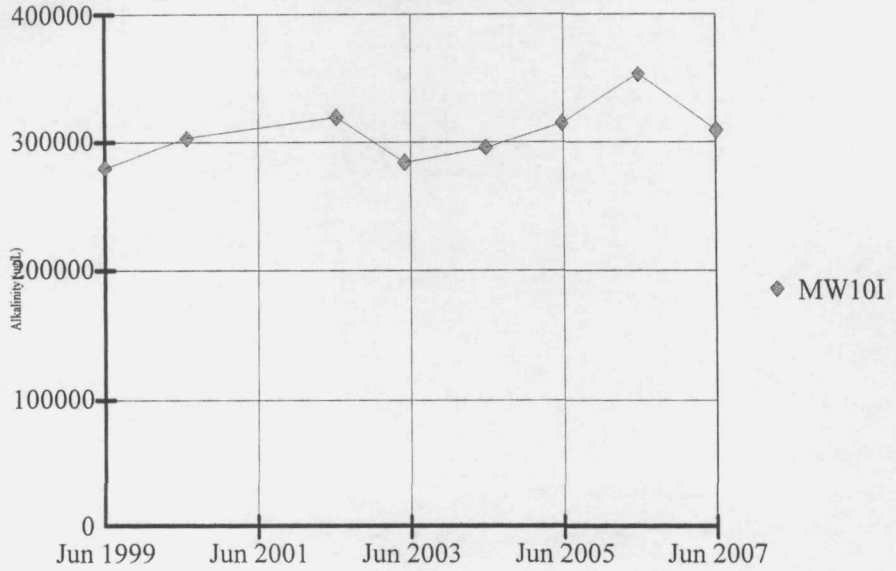
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:54 PM Client: Shaw Environmental, Inc. View: _Batch_

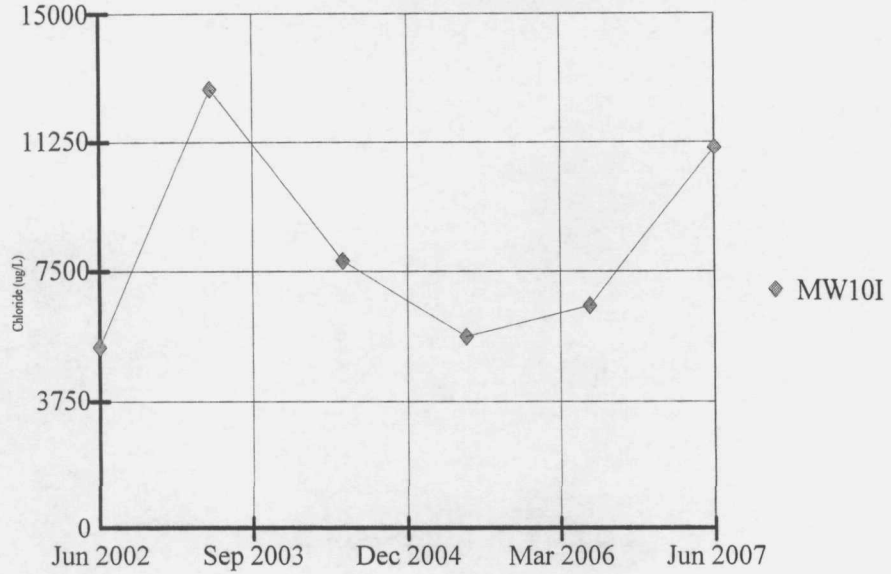
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:55 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

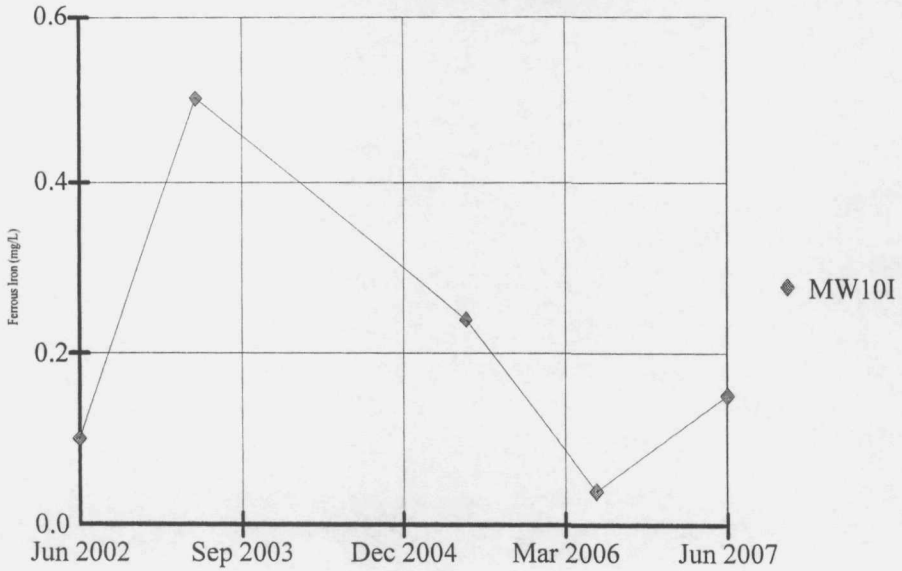
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:55 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

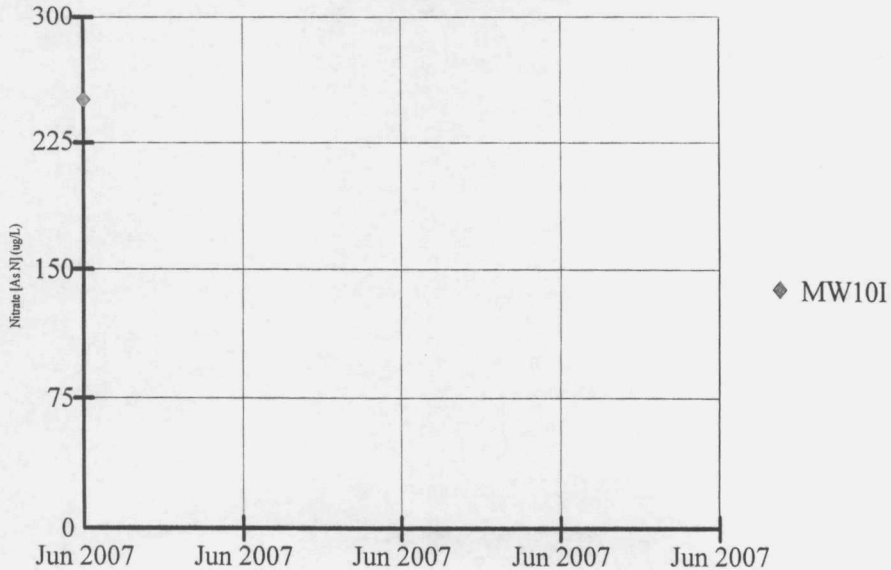
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:55 PM Client: Shaw Environmental, Inc. View: _Batch_

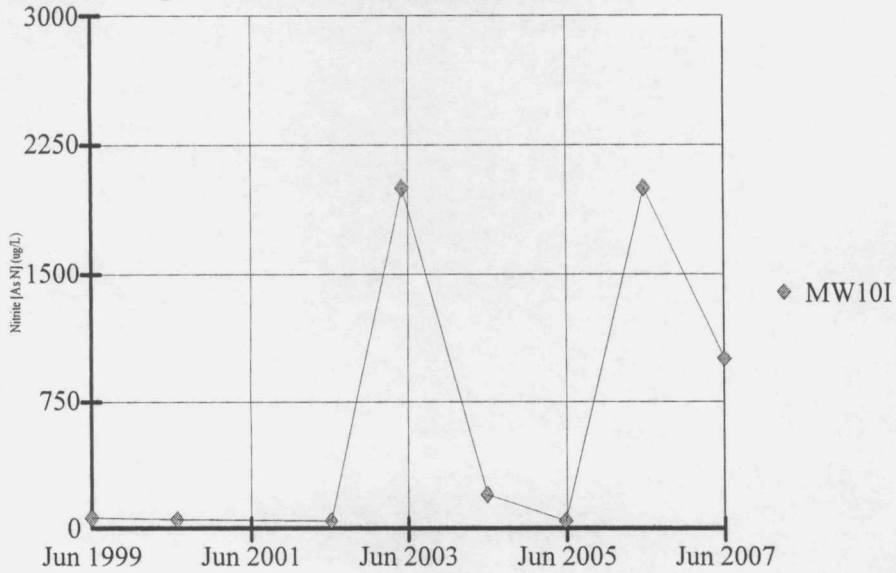
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:55 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:55 PM Client: Shaw Environmental, Inc. View: _Batch_

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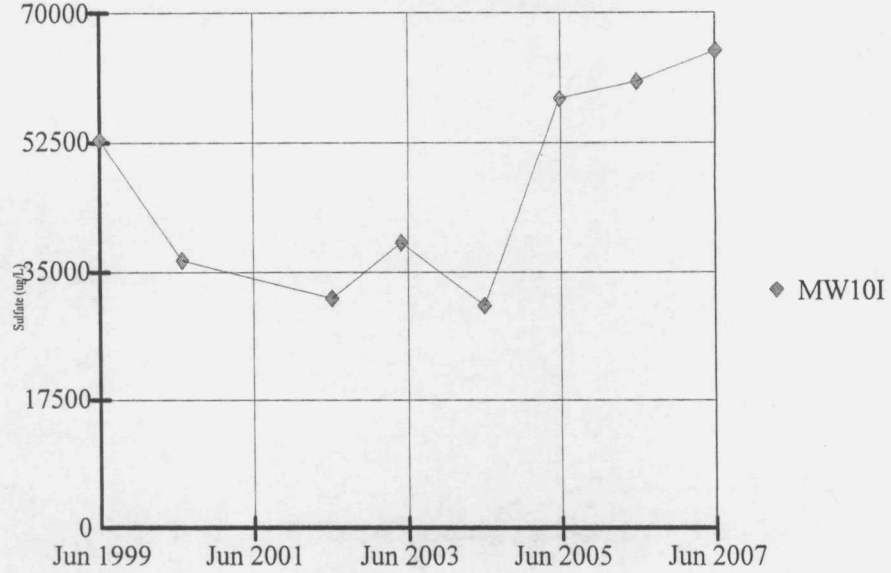
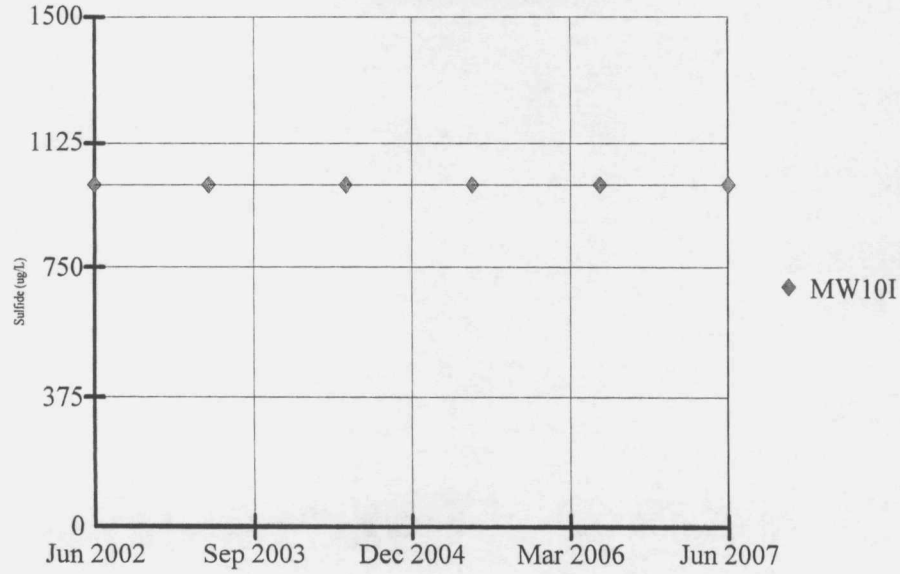
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:55 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

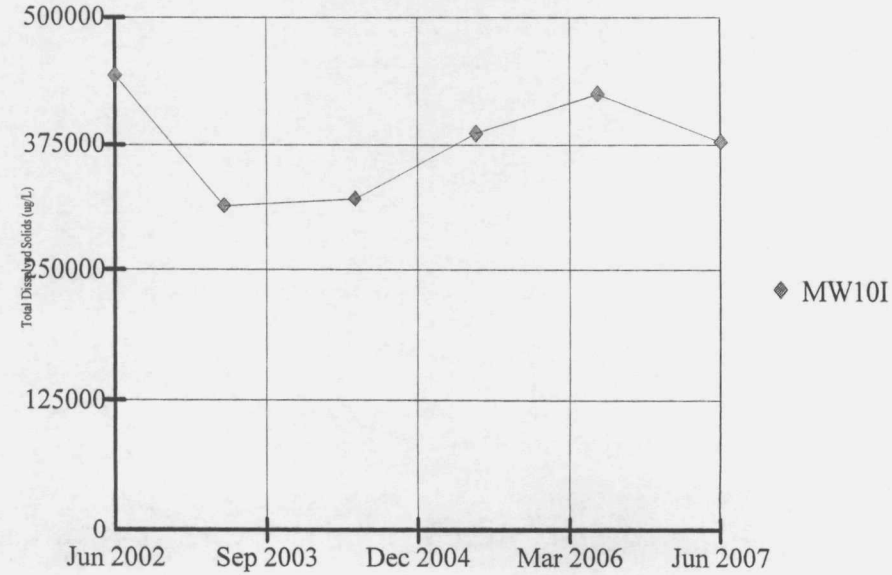
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:55 PM Client: Shaw Environmental, Inc. View: _Batch_

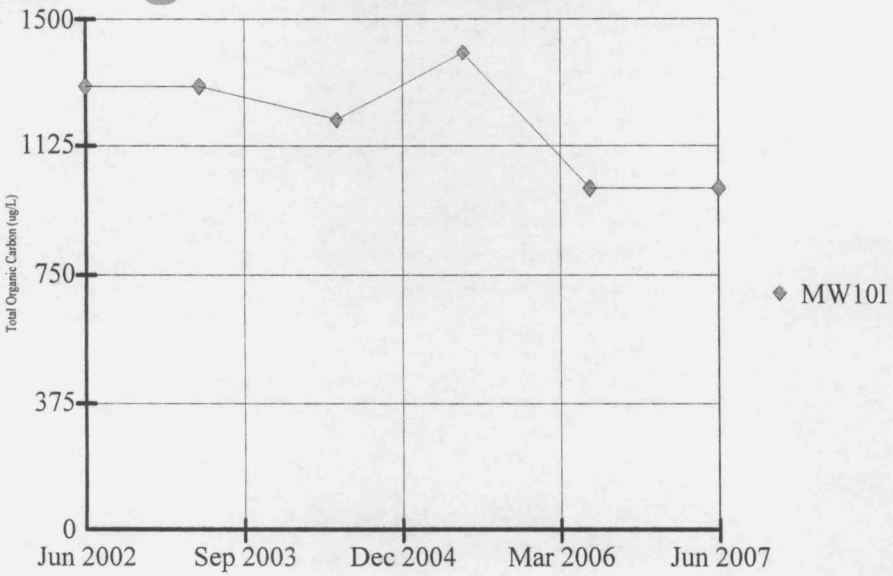
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:56 PM Client: Shaw Environmental, Inc. View: _Batch_

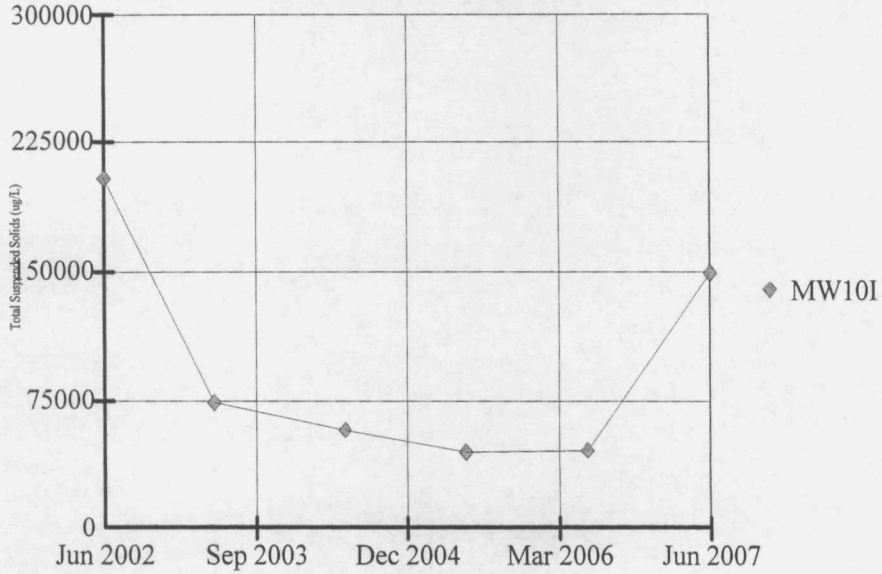
TIME SERIES



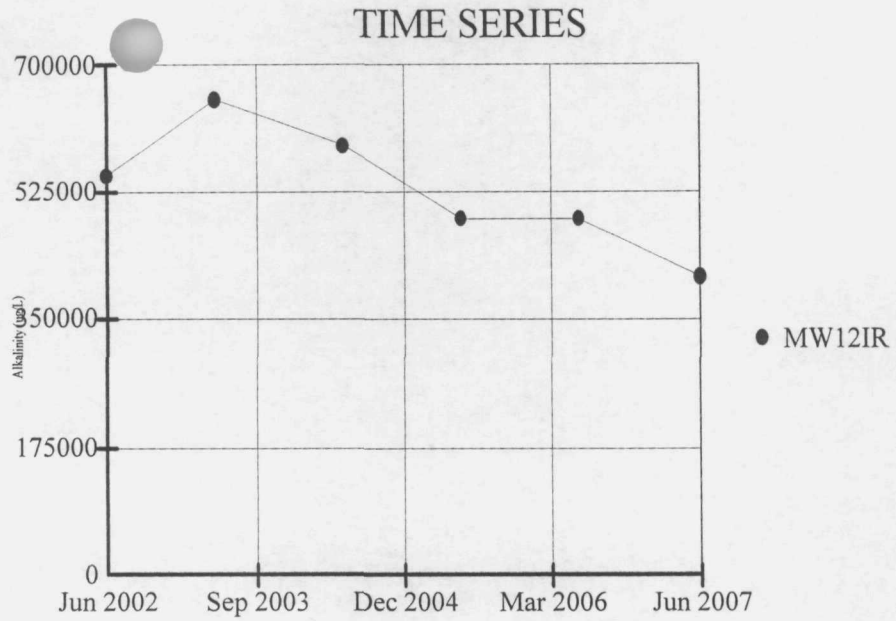
Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:56 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

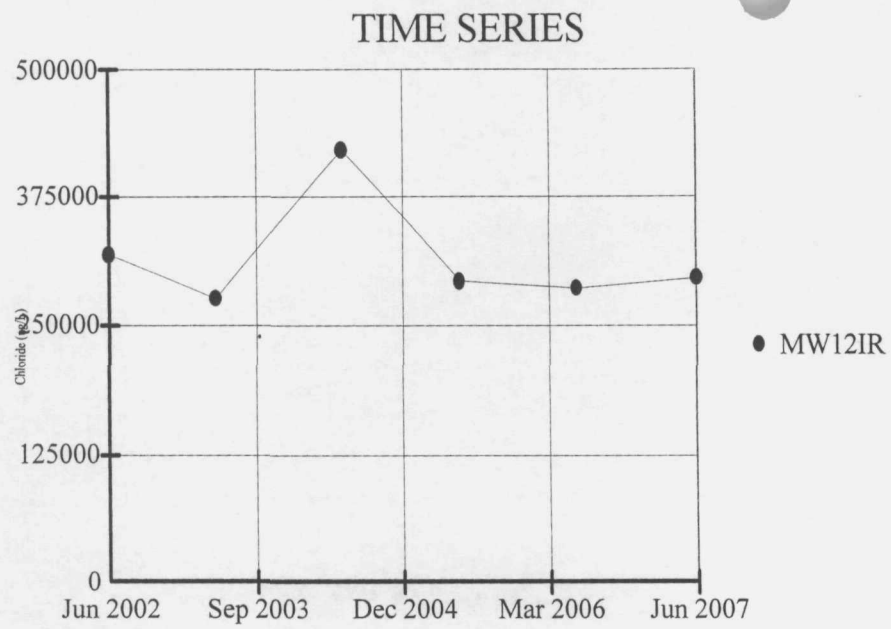
TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:56 PM Client: Shaw Environmental, Inc. View: _Batch_

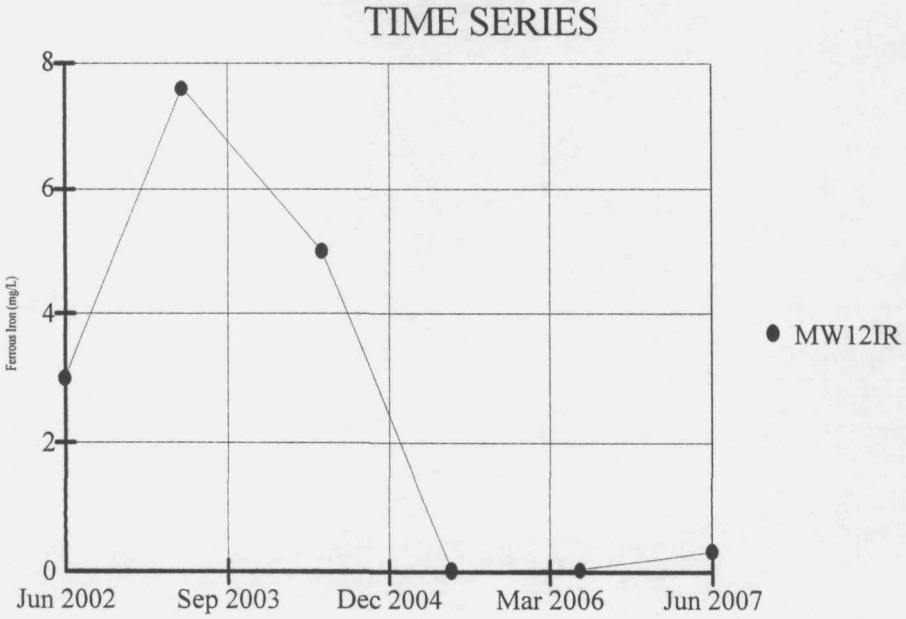


Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:56 PM Client: Shaw Environmental, Inc. View: _Batch_



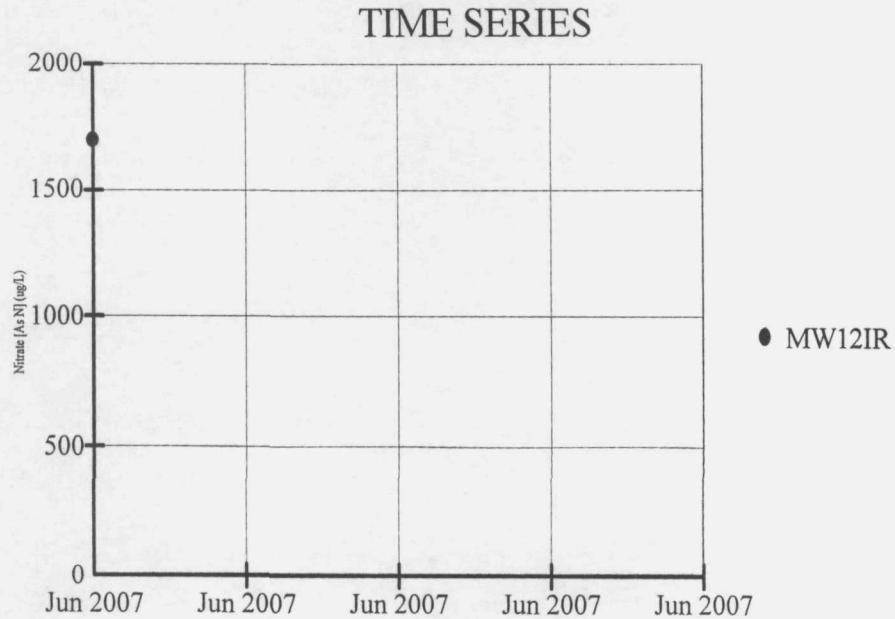
Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:56 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

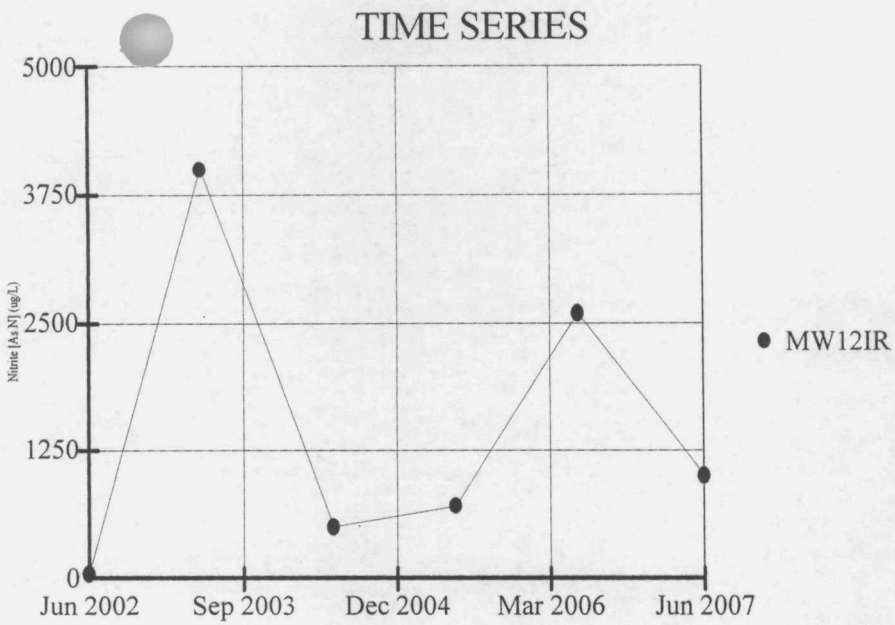


Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:56 PM Client: Shaw Environmental, Inc. View: _Batch_

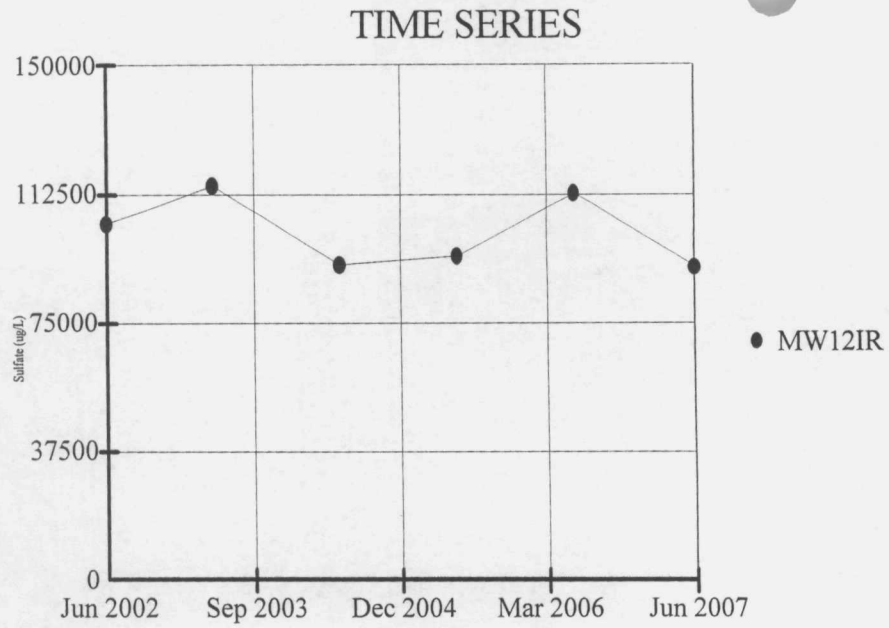
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:57 PM Client: Shaw Environmental, Inc. View: _Batch_

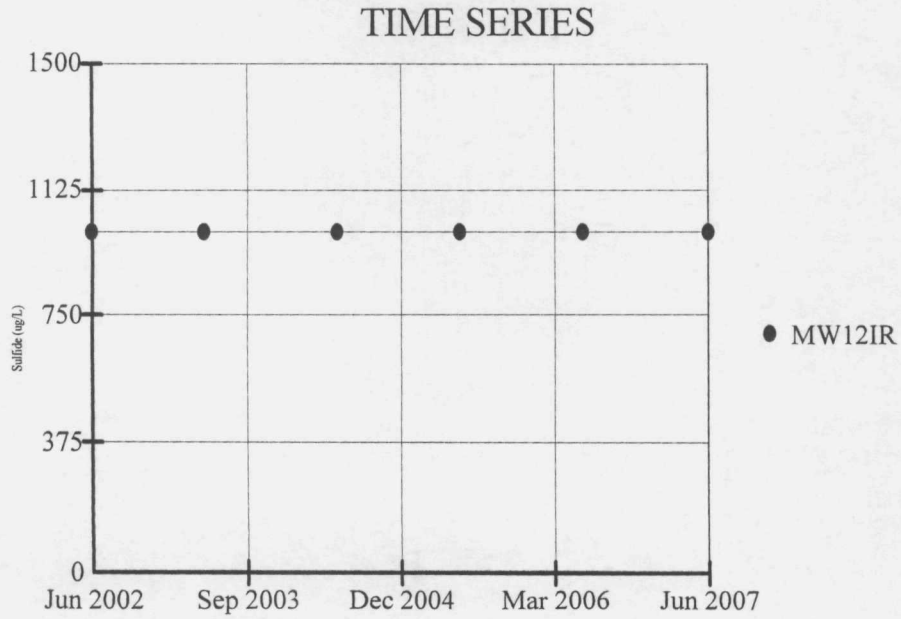


Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:57 PM Client: Shaw Environmental, Inc. View: _Batch_



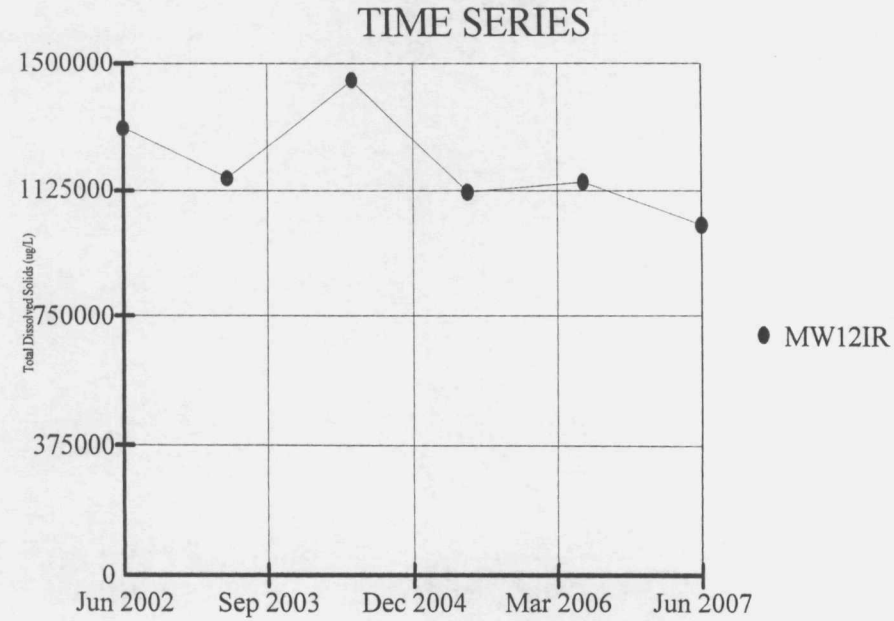
Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:57 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



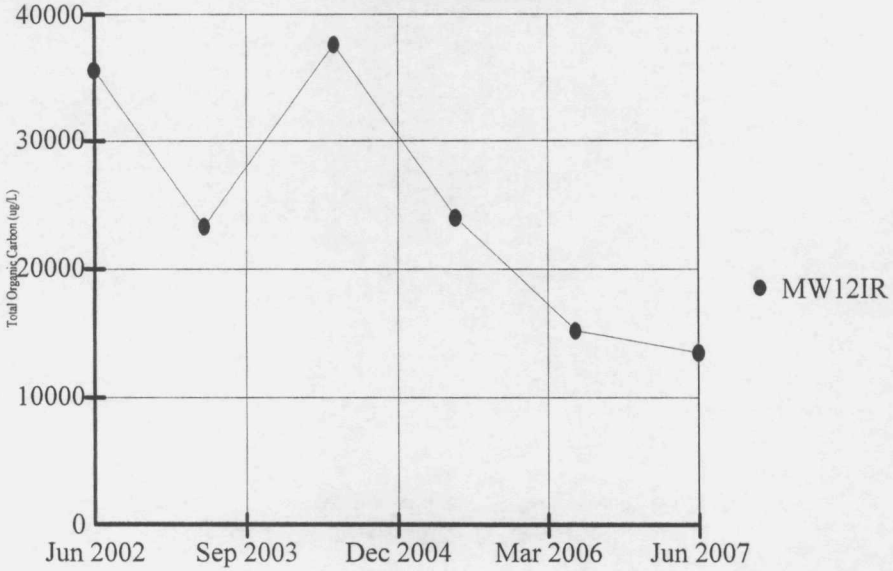
Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:57 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:57 PM Client: Shaw Environmental, Inc. View: _Batch_

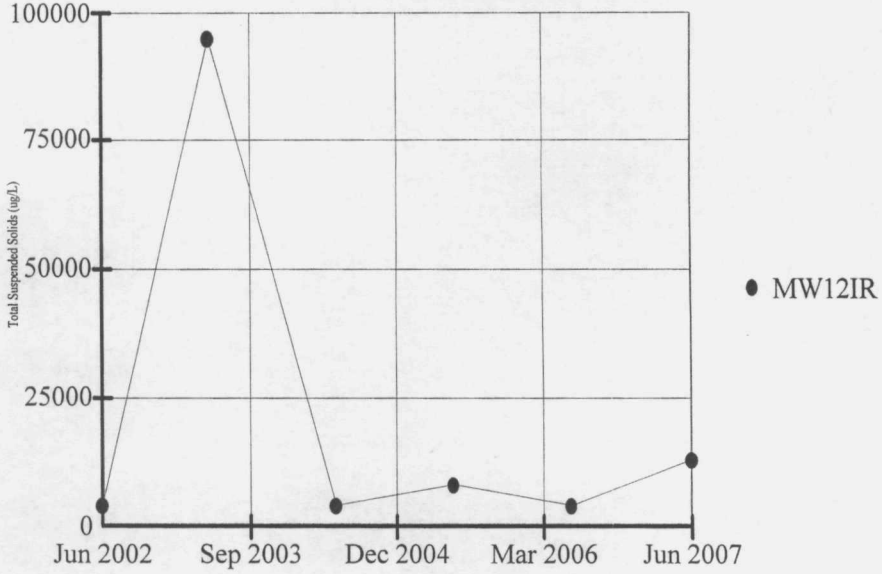
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:57 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

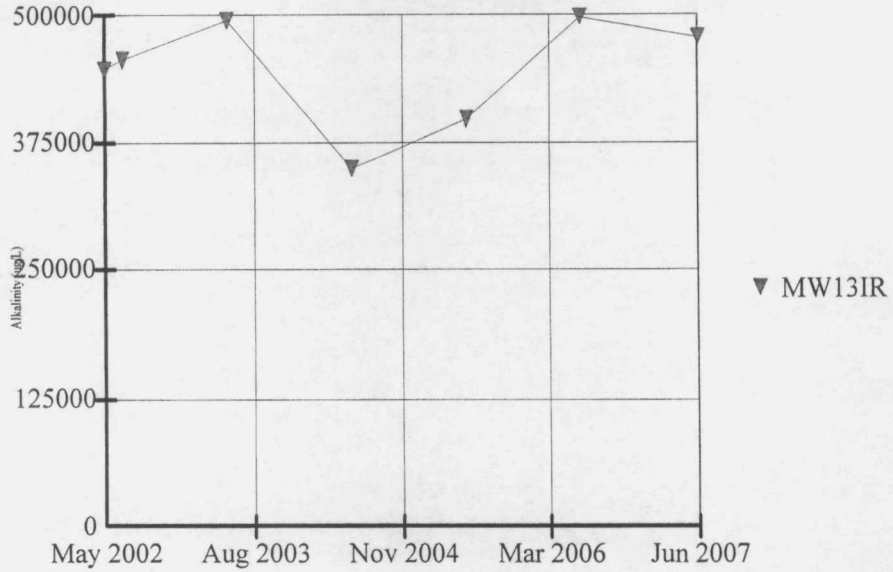
TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:57 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

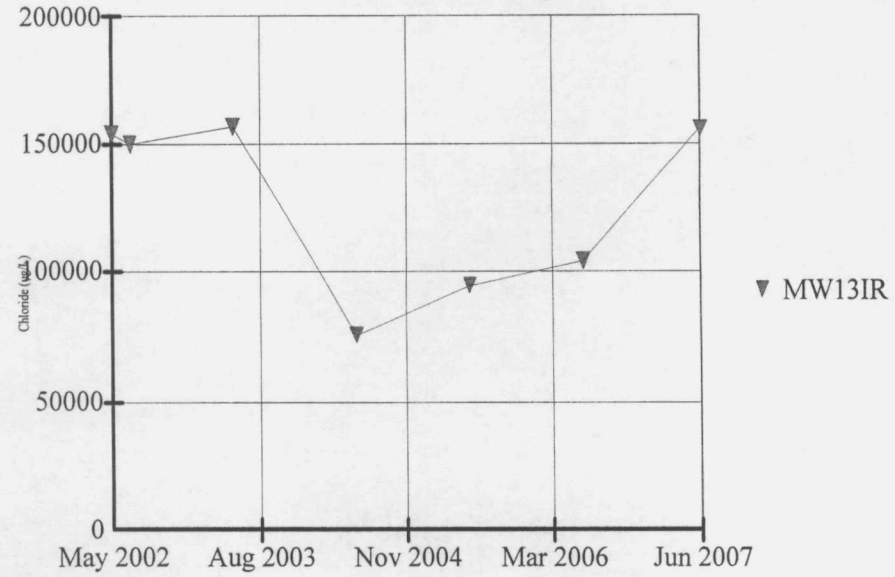
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:58 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

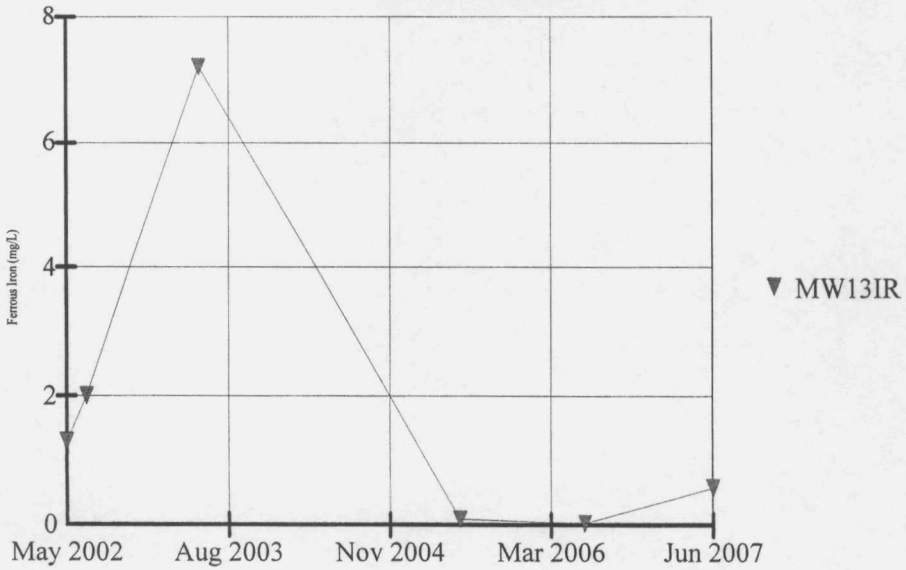
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 4:58 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

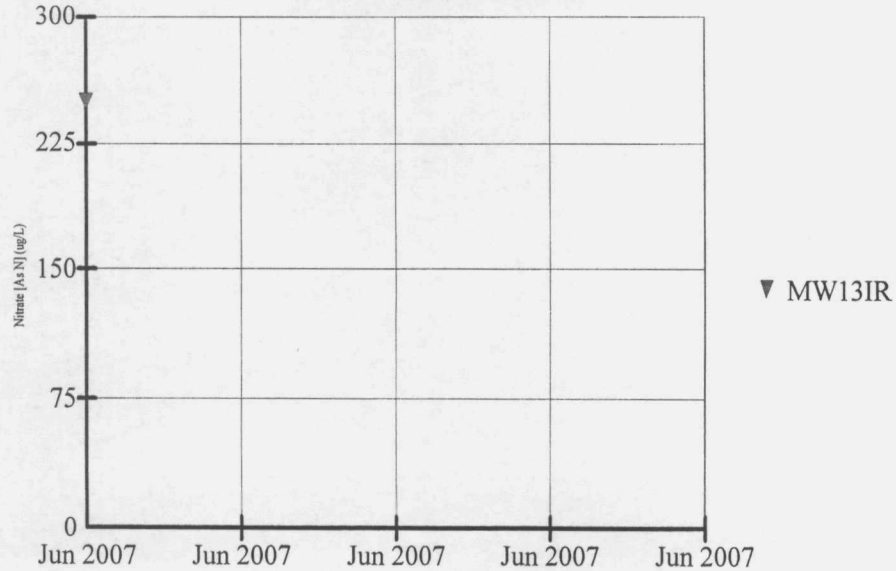
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 4:58 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

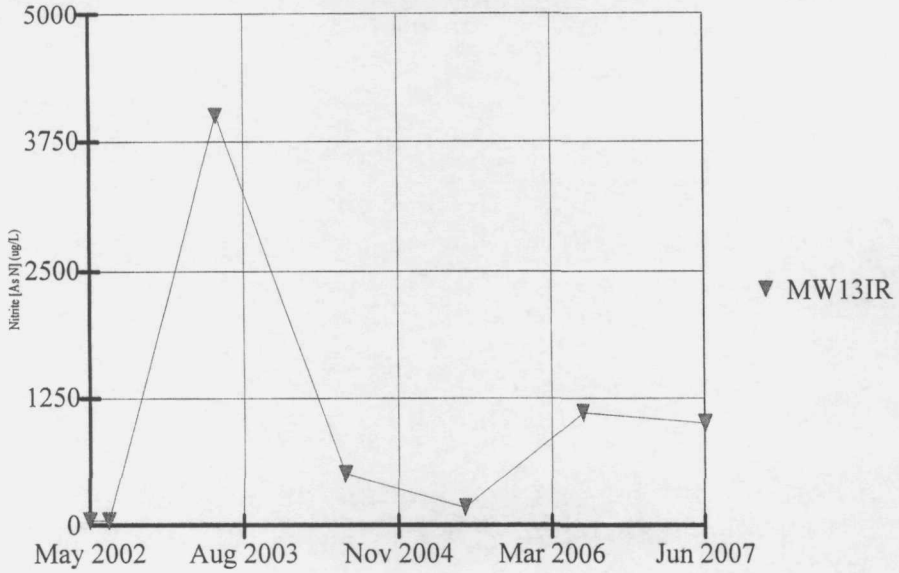
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:58 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

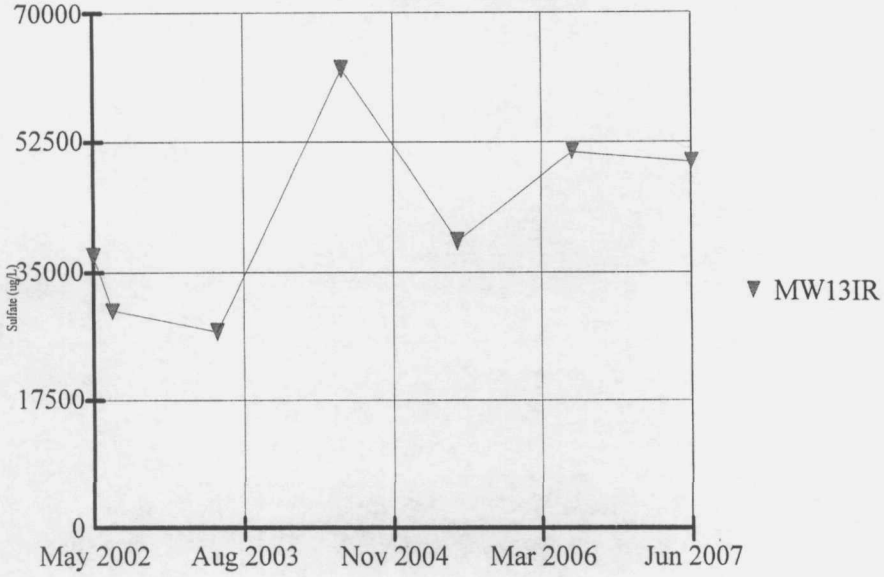
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 4:58 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

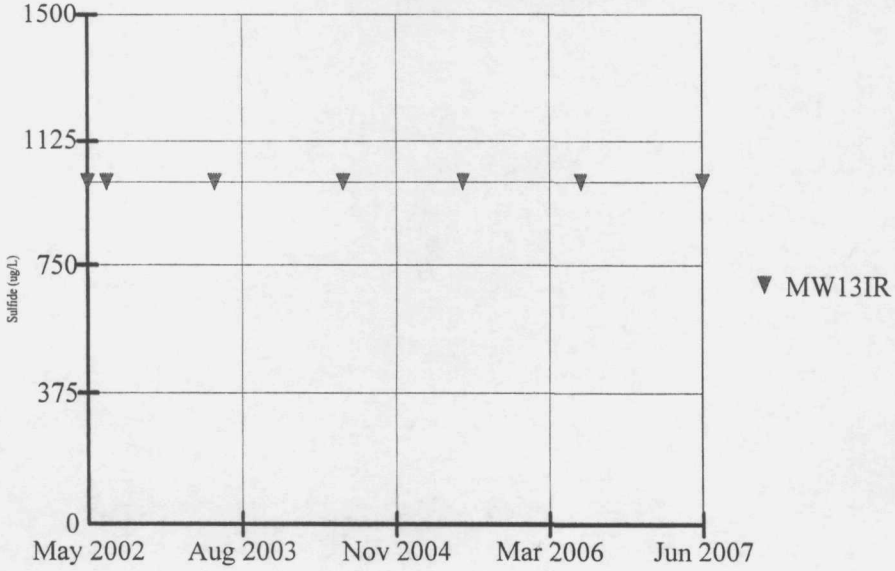
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 4:58 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

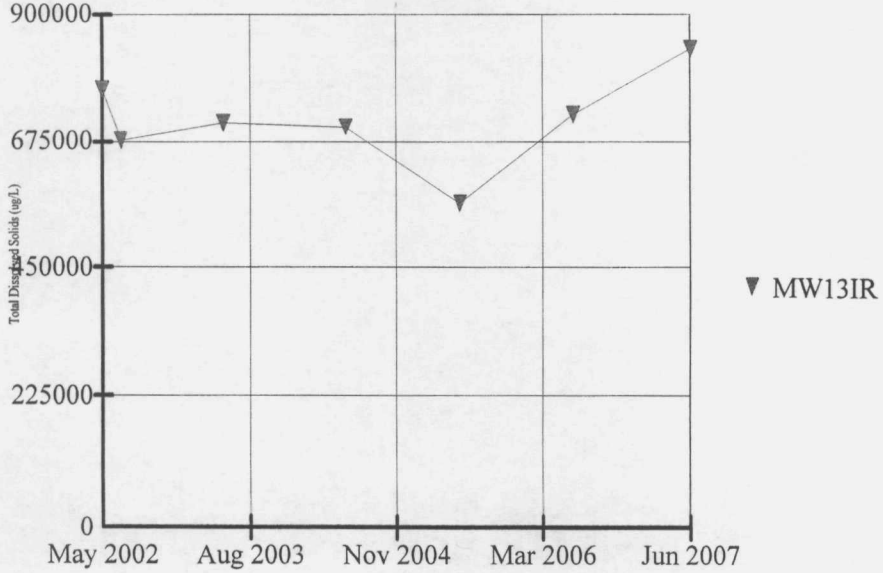
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 4:59 PM Client: Shaw Environmental, Inc. View: _Batch_

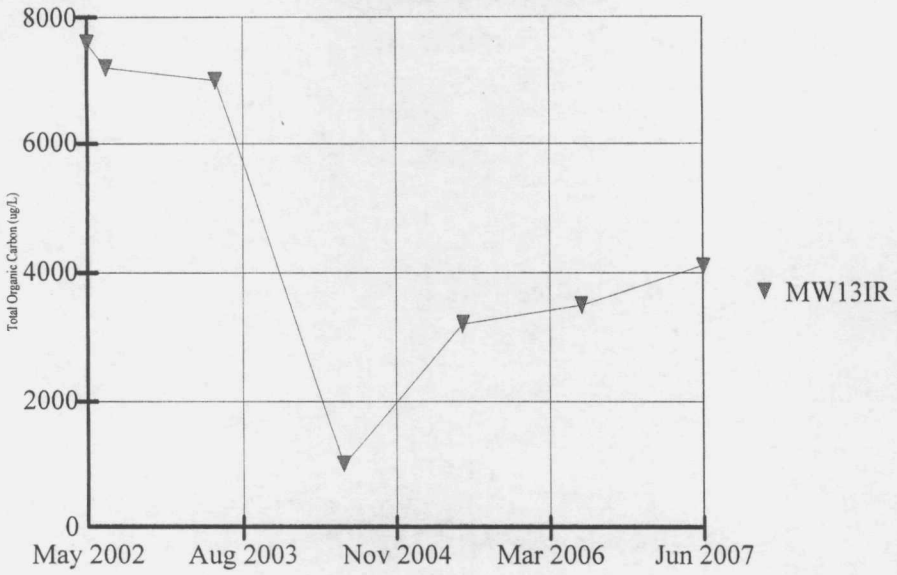
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:59 PM Client: Shaw Environmental, Inc. View: _Batch_

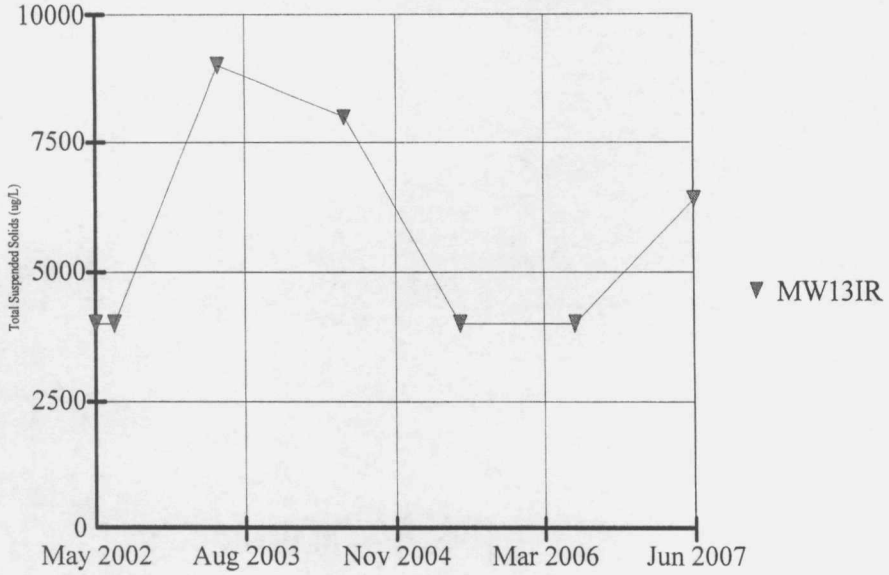
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 4:59 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 4:59 PM Client: Shaw Environmental, Inc. View: _Batch_

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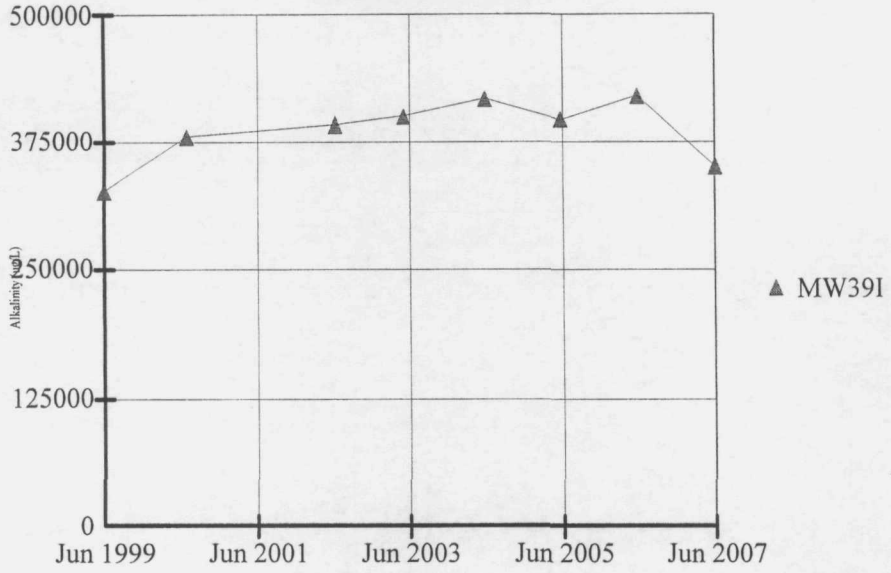
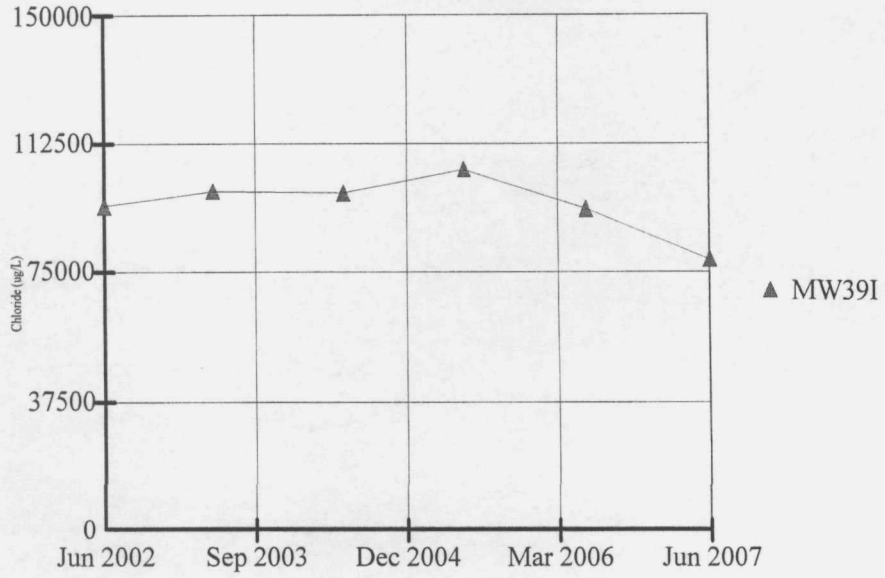
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 4:59 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

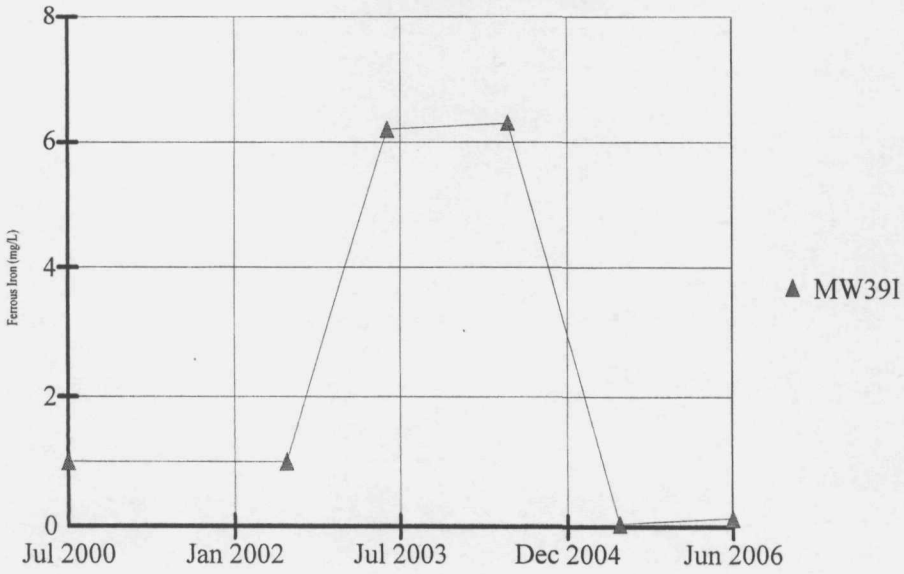
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:00 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

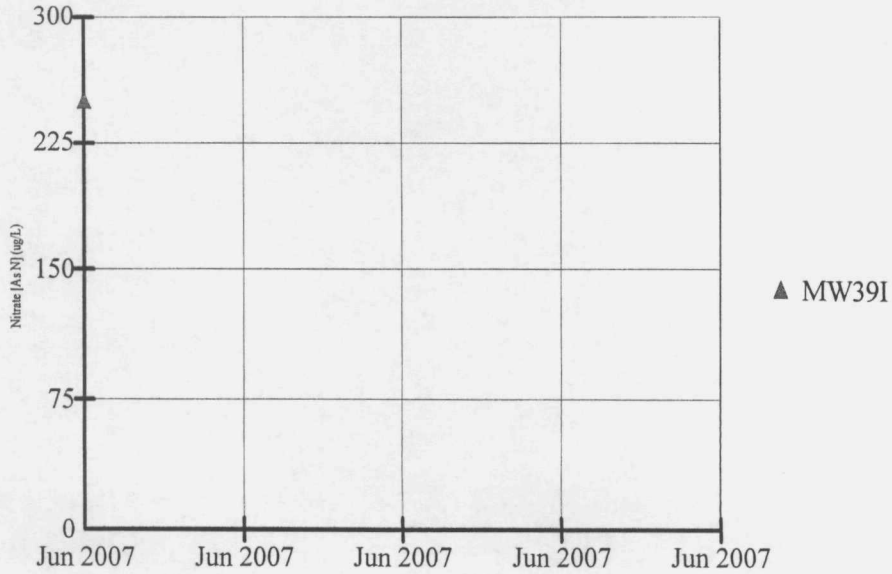
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 5:00 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

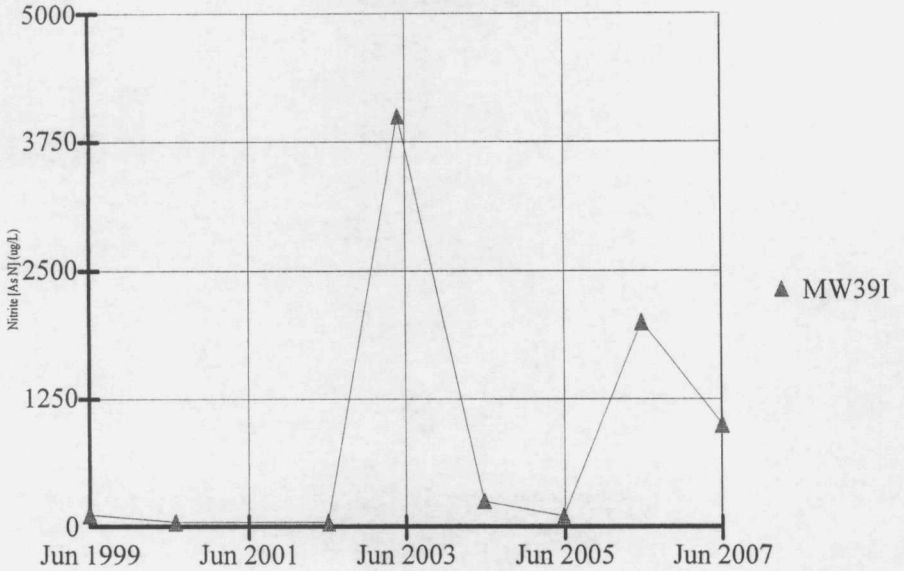
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:00 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

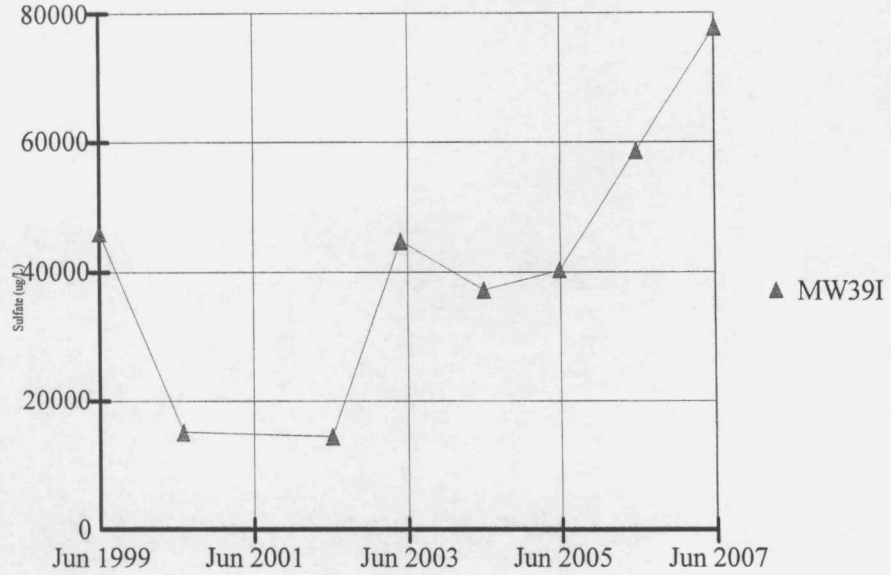
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:00 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

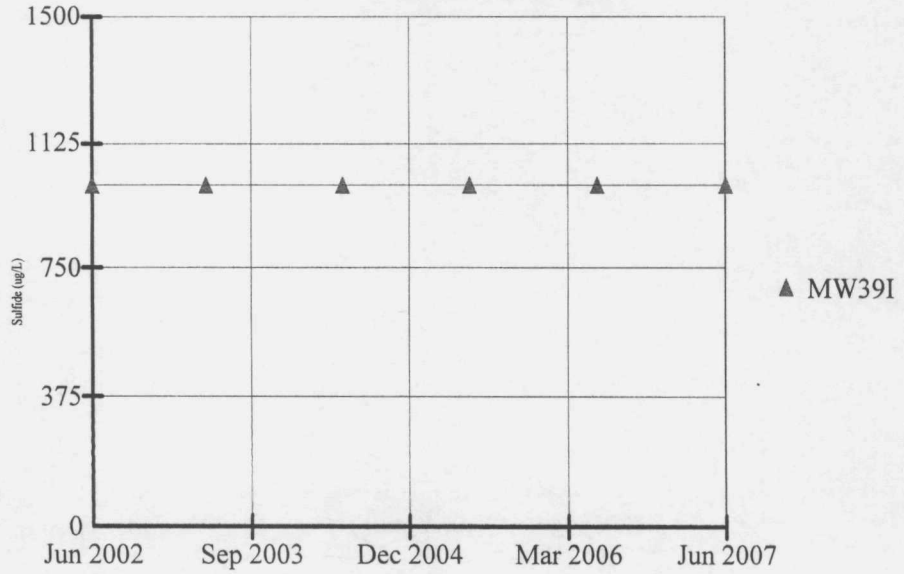
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:00 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

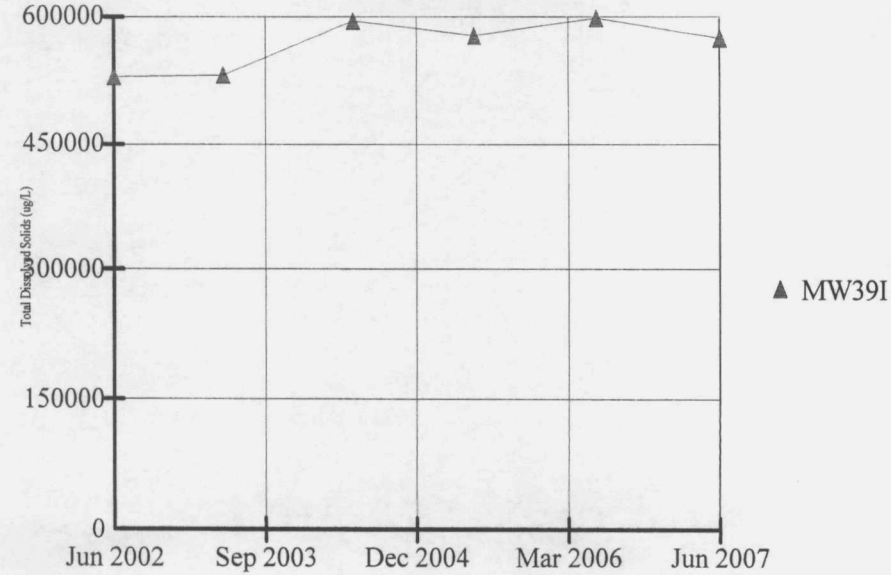
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 5:00 PM Client: Shaw Environmental, Inc. View: _Batch_

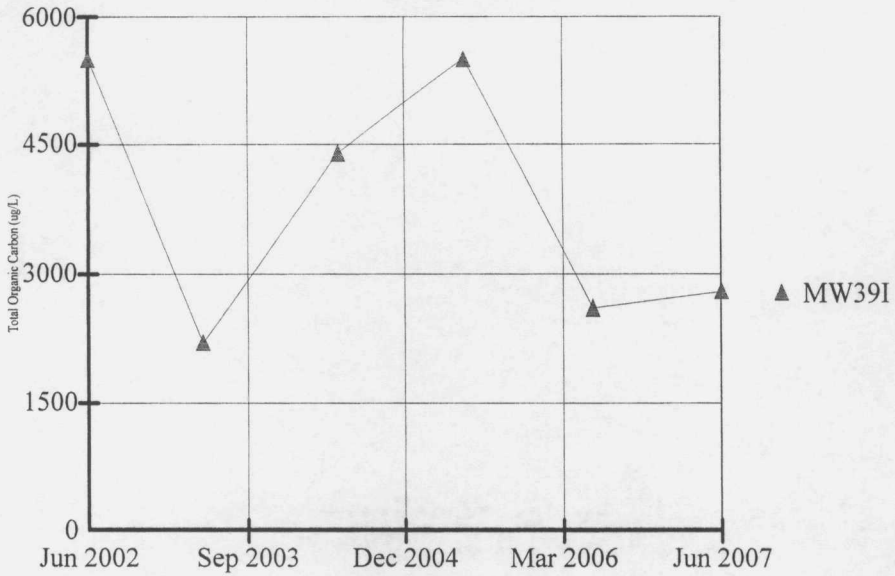
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:00 PM Client: Shaw Environmental, Inc. View: _Batch_

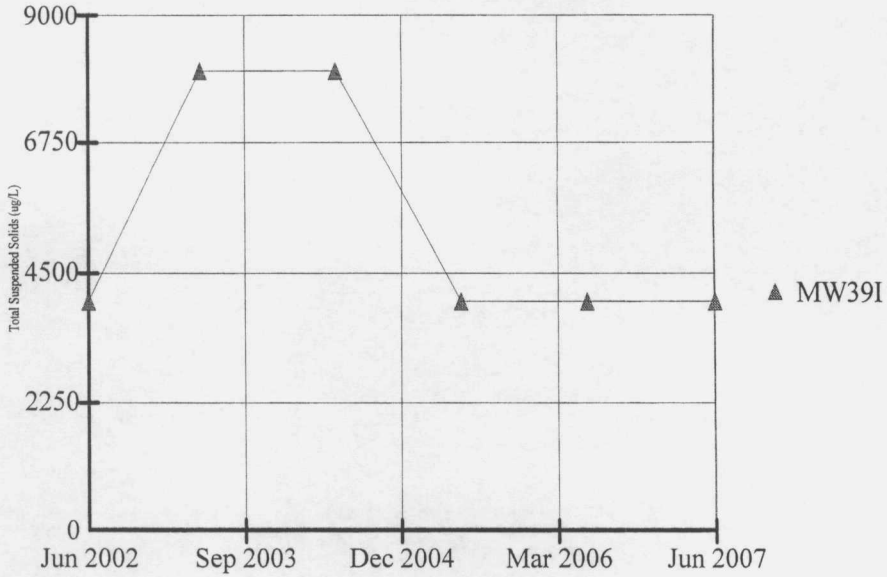
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 5:01 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:01 PM Client: Shaw Environmental, Inc. View: _Batch_

TRI-COUNTY LANDFILL
Intermediate Monitoring Wells - Analytical Data
JUNE 2007

Appendix E
June 2007

Tri-County Landfill
Intermediate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	G142	Dissolved Oxygen (D.O.) (Field Test)	1.49	MG/L		NA	NA
6/19/2007	G142	Electrical Conductance (Field)	2063	UMHOS/CM		NA	NA
6/19/2007	G142	Field EH/ORP	72.2	M.VOLTS		NA	NA
6/19/2007	G142	pH (Field)	6.97	S.U.		NA	6.5-9.0
6/19/2007	G142	Temperature, Field (°F)	56.3	°F		NA	NA
6/19/2007	G142	Turbidity	1.45	TEXT		NA	NA
6/19/2007	G142	Alkalinity, Total (As CaCO3)	972	MG/L		NA	NA
6/19/2007	**G142**	**Chloride**	**685**	**MG/L**		**NA**	**200**
6/19/2007	G142	Ferrous Iron	0.21	TEXT		NA	NA
6/19/2007	G142	Nitrate (As N)	1.0	MG/L-N	U	10	10
6/19/2007	G142	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/19/2007	G142	Sulfate	2.7	MG/L		NA	400
6/19/2007	G142	Sulfide	1000	UG/L	U	NA	NA
6/19/2007	**G142**	**Total Dissolved Solids (TDS)**	**1630**	**MG/L**		**NA**	**1200**
6/19/2007	G142	Total Organic Carbon (TOC)	61.0	MG/L		NA	NA
6/19/2007	G142	Total Suspended Solids (TSS)	8.0	MG/L		NA	NA
6/19/2007	G142	Aluminum, Total	30.0	UG/L	U	NA	NA
6/19/2007	G142	Antimony, Total	6.0	UG/L	U	6	6
6/19/2007	G142	Arsenic, Total	20.0	UG/L	U	50	50
6/19/2007	G142	Barium, Total	685	UG/L		2000	2000
6/19/2007	G142	Beryllium, Total	1.0	UG/L	U	4	4
6/19/2007	G142	Cadmium, Total	1.0	UG/L	U	5	5
6/19/2007	G142	Calcium, Total	118000	UG/L		NA	NA
6/19/2007	G142	Chromium, Total	3.0	UG/L	U	100	100
6/19/2007	G142	Cobalt, Total	4.2	UG/L		NA	1000
[illegible]/2007	G142	Copper, Total	4.0	UG/L	U	1300	650
[illegible]/2007	G142	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/19/2007	G142	Iron, Total	1260	UG/L		NA	5000
6/19/2007	G142	Lead, Total	5.0	UG/L	U	15	7.5
6/19/2007	G142	Magnesium, Total	123000	UG/L		NA	NA
6/19/2007	G142	Manganese, Total	39.5	UG/L		NA	150
6/19/2007	G142	Mercury, Total	0.400	UG/L	U	2	2
6/19/2007	G142	Nickel, Total	41.7	UG/L		NA	100
6/19/2007	G142	Potassium, Total	29100	UG/L		NA	NA
6/19/2007	G142	Selenium, Total	10.0	UG/L	U	50	50
6/19/2007	G142	Silver, Total	4.0	UG/L	U	NA	50
6/19/2007	G142	Sodium, Total	340000	UG/L		NA	NA
6/19/2007	G142	Thallium, Total	2.00	UG/L	U	2	2
6/19/2007	G142	Vanadium, Total	3.0	UG/L	U	NA	NA
6/19/2007	G142	Zinc, Total	5.2	UG/L		NA	5000
6/19/2007	G142	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	G142	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	G142	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	G142	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	G142	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	G142	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	G142	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	G142	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	G142	Acetone	ND	UG/L	U	NA	NA
6/19/2007	G142	Benzene	ND	UG/L	U	5	5
6/19/2007	G142	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	G142	Bromomethane	ND	UG/L	U	NA	NA
6/19/2007	G142	Carbon Disulfide	ND	UG/L	U	NA	NA
[illegible]/2007	G142	Carbon Tetrachloride	ND	UG/L	U	5	5

Appendix E
June 2007

Tri-County Landfill
I· ·mediate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	G142	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	G142	Chloroethane	ND	UG/L	U	NA	NA
6/19/2007	G142	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	G142	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	G142	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	G142	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	G142	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	G142	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	G142	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	G142	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	G142	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	G142	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	G142	Styrene	ND	UG/L	U	100	100
6/19/2007	G142	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	G142	Toluene	ND	UG/L	U	1000	1000
6/19/2007	G142	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	G142	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	G142	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	G142	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	G142	Vinyl chloride	ND	UG/L	U	2	2

Appendix E
June 2007

Tri-County Landfill
I mediate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	MW1I1	Electrical Conductance (Field)	801	UMHOS/CM		NA	NA
6/20/2007	MW1I1	pH (Field)	7.33	S.U.		NA	6.5-9.0
6/20/2007	MW1I1	Temperature, Field (°F)	54.4	°F		NA	NA
6/20/2007	MW1I1	Turbidity	0.05	TEXT		NA	NA
6/20/2007	MW1I1	Alkalinity, Total (As CaCO3)	390	MG/L		NA	NA
6/20/2007	MW1I1	Chloride	91.5	MG/L		NA	200
6/20/2007	MW1I1	Ferrous Iron	0.040	TEXT		NA	NA
6/20/2007	MW1I1	Nitrate (As N)	1.0	MG/L-N	U	10	10
6/20/2007	MW1I1	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/20/2007	MW1I1	Sulfate	9.4	MG/L		NA	400
6/20/2007	MW1I1	Sulfide	1000	UG/L	U	NA	NA
6/20/2007	MW1I1	Total Dissolved Solids (TDS)	502	MG/L		NA	1200
6/20/2007	MW1I1	Total Organic Carbon (TOC)	1.9	MG/L		NA	NA
6/20/2007	MW1I1	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/20/2007	MW1I1	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/20/2007	MW1I1	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/20/2007	MW1I1	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	1,1-Dichloroethene	ND	UG/L	U	7	7
6/20/2007	MW1I1	1,2-Dichloroethane	ND	UG/L	U	5	5
6/20/2007	MW1I1	1,2-Dichloropropane	ND	UG/L	U	5	5
6/20/2007	MW1I1	2-Hexanone	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Acetone	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Benzene	ND	UG/L	U	5	5
6/20/2007	MW1I1	Bromoform	ND	UG/L	U	NA	NA
0/2007	MW1I1	Bromomethane	ND	UG/L	U	NA	NA
0/2007	MW1I1	Carbon Disulfide	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Carbon Tetrachloride	ND	UG/L	U	5	5
6/20/2007	MW1I1	Chlorobenzene	ND	UG/L	U	100	100
6/20/2007	MW1I1	Chloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Chloroform	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Chloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/20/2007	MW1I1	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Dibromochloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Ethylbenzene	ND	UG/L	U	700	700
6/20/2007	MW1I1	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Methylene chloride	ND	UG/L	U	5	5
6/20/2007	MW1I1	Styrene	ND	UG/L	U	100	100
6/20/2007	MW1I1	Tetrachloroethene	ND	UG/L	U	5	5
6/20/2007	MW1I1	Toluene	ND	UG/L	U	1000	1000
6/20/2007	MW1I1	Total Xylenes	ND	UG/L	U	10000	10000
6/20/2007	MW1I1	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/20/2007	MW1I1	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW1I1	Trichloroethene	ND	UG/L	U	5	5
6/20/2007	MW1I1	Vinyl chloride	ND	UG/L	U	2	2

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6/20/2007	MW1I2	Electrical Conductance (Field)	680	UMHOS/CM		NA	NA
6/20/2007	MW1I2	pH (Field)	7.66	S.U.		NA	6.5-9.0
6/20/2007	MW1I2	Temperature, Field (°F)	54.7	°F		NA	NA
6/20/2007	MW1I2	Turbidity	3.84	TEXT		NA	NA
6/20/2007	MW1I2	Alkalinity, Total (As CaCO3)	363	MG/L		NA	NA
6/20/2007	MW1I2	Chloride	56.7	MG/L		NA	200
6/20/2007	MW1I2	Ferrous Iron	0.30	TEXT		NA	NA
6/20/2007	MW1I2	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/20/2007	**MW1I2**	**Nitrite (As N)**	**3.4**	**MG/L-N**		**1**	**NA**
6/20/2007	MW1I2	Sulfate	5.6	MG/L		NA	400
6/20/2007	MW1I2	Sulfide	1000	UG/L	U	NA	NA
6/20/2007	MW1I2	Total Dissolved Solids (TDS)	401	MG/L		NA	1200
6/20/2007	MW1I2	Total Organic Carbon (TOC)	1.3	MG/L		NA	NA
6/20/2007	MW1I2	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/20/2007	MW1I2	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/20/2007	MW1I2	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/20/2007	MW1I2	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	1,1-Dichloroethene	ND	UG/L	U	7	7
6/20/2007	MW1I2	1,2-Dichloroethane	ND	UG/L	U	5	5
6/20/2007	MW1I2	1,2-Dichloropropane	ND	UG/L	U	5	5
6/20/2007	MW1I2	2-Hexanone	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Acetone	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Benzene	ND	UG/L	U	5	5
6/20/2007	MW1I2	Bromoform	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Bromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Carbon Disulfide	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Carbon Tetrachloride	ND	UG/L	U	5	5
6/20/2007	MW1I2	Chlorobenzene	ND	UG/L	U	100	100
6/20/2007	MW1I2	Chloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Chloroform	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Chloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/20/2007	MW1I2	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Dibromochloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Ethylbenzene	ND	UG/L	U	700	700
6/20/2007	MW1I2	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Methylene chloride	ND	UG/L	U	5	5
6/20/2007	MW1I2	Styrene	ND	UG/L	U	100	100
6/20/2007	MW1I2	Tetrachloroethene	ND	UG/L	U	5	5
6/20/2007	MW1I2	Toluene	ND	UG/L	U	1000	1000
6/20/2007	MW1I2	Total Xylenes	ND	UG/L	U	10000	10000
6/20/2007	MW1I2	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/20/2007	MW1I2	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW1I2	Trichloroethene	ND	UG/L	U	5	5
6/20/2007	MW1I2	Vinyl chloride	ND	UG/L	U	2	2

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	MW2IR	Dissolved Oxygen (D.O.) (Field Test)	1.61	MG/L		NA	NA
6/19/2007	MW2IR	Electrical Conductance (Field)	322	UMHOS/CM		NA	NA
6/19/2007	MW2IR	Field EH/ORP	-93.6	M.VOLTS		NA	NA
6/19/2007	MW2IR	pH (Field)	7.31	S.U.		NA	6.5-9.0
6/19/2007	MW2IR	Temperature, Field (°F)	56.2	°F		NA	NA
6/19/2007	MW2IR	Turbidity	6.30	TEXT		NA	NA
6/19/2007	MW2IR	Alkalinity, Total (As CaCO3)	215	MG/L		NA	NA
6/19/2007	MW2IR	Chloride	1.7	MG/L		NA	200
6/19/2007	MW2IR	Ferrous Iron	0.060	TEXT		NA	NA
6/19/2007	MW2IR	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/19/2007	MW2IR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/19/2007	MW2IR	Sulfate	2.4	MG/L		NA	400
6/19/2007	MW2IR	Sulfide	1000	UG/L	U	NA	NA
6/19/2007	MW2IR	Total Dissolved Solids (TDS)	229	MG/L		NA	1200
6/19/2007	MW2IR	Total Organic Carbon (TOC)	2.2	MG/L		NA	NA
6/19/2007	MW2IR	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/19/2007	MW2IR	Aluminum, Total	47.5	UG/L		NA	NA
6/19/2007	MW2IR	Antimony, Total	6.0	UG/L	U	6	6
6/19/2007	MW2IR	Arsenic, Total	20.0	UG/L	U	50	50
6/19/2007	MW2IR	Barium, Total	40.6	UG/L		2000	2000
6/19/2007	MW2IR	Beryllium, Total	1.0	UG/L	U	4	4
6/19/2007	MW2IR	Cadmium, Total	1.0	UG/L	U	5	5
6/19/2007	MW2IR	Calcium, Total	34200	UG/L		NA	NA
6/19/2007	MW2IR	Chromium, Total	3.0	UG/L	U	100	100
6/19/2007	MW2IR	Cobalt, Total	3.0	UG/L	U	NA	1000
9/2007	MW2IR	Copper, Total	4.0	UG/L	U	1300	650
9/2007	MW2IR	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/19/2007	MW2IR	Iron, Total	1240	UG/L		NA	5000
6/19/2007	MW2IR	Lead, Total	5.0	UG/L	U	15	7.5
6/19/2007	MW2IR	Magnesium, Total	19100	UG/L		NA	NA
6/19/2007	MW2IR	Manganese, Total	19.4	UG/L		NA	150
6/19/2007	MW2IR	Mercury, Total	0.400	UG/L	U	2	2
6/19/2007	MW2IR	Nickel, Total	4.0	UG/L	U	NA	100
6/19/2007	MW2IR	Potassium, Total	874	UG/L		NA	NA
6/19/2007	MW2IR	Selenium, Total	10.0	UG/L	U	50	50
6/19/2007	MW2IR	Silver, Total	4.0	UG/L	U	NA	50
6/19/2007	MW2IR	Sodium, Total	21000	UG/L		NA	NA
6/19/2007	MW2IR	Thallium, Total	2.00	UG/L	U	2	2
6/19/2007	MW2IR	Vanadium, Total	3.0	UG/L	U	NA	NA
6/19/2007	MW2IR	Zinc, Total	5.0	UG/L	U	NA	5000
6/19/2007	MW2IR	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	MW2IR	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	MW2IR	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	MW2IR	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	MW2IR	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	MW2IR	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Acetone	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Benzene	ND	UG/L	U	5	5
6/19/2007	MW2IR	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Bromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Carbon Disulfide	ND	UG/L	U	NA	NA
'2007	MW2IR	Carbon Tetrachloride	ND	UG/L	U	5	5

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6/19/2007	MW2IR	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	MW2IR	Chloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	MW2IR	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	MW2IR	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	MW2IR	Styrene	ND	UG/L	U	100	100
6/19/2007	MW2IR	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	MW2IR	Toluene	ND	UG/L	U	1000	1000
6/19/2007	MW2IR	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	MW2IR	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	MW2IR	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW2IR	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	MW2IR	Vinyl chloride	ND	UG/L	U	2	2

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	MW5IR	Dissolved Oxygen (D.O.) (Field Test)	1.55	MG/L		NA	NA
6/19/2007	MW5IR	Electrical Conductance (Field)	614	UMHOS/CM		NA	NA
6/19/2007	MW5IR	Field EH/ORP	-138.1	M.VOLTS		NA	NA
6/19/2007	MW5IR	pH (Field)	7.37	S.U.		NA	6.5-9.0
6/19/2007	MW5IR	Temperature, Field (°F)	54.1	°F		NA	NA
6/19/2007	MW5IR	Turbidity	4.10	TEXT		NA	NA
6/19/2007	MW5IR	Alkalinity, Total (As CaCO3)	258	MG/L		NA	NA
6/19/2007	MW5IR	Chloride	21.2	MG/L		NA	200
6/19/2007	MW5IR	Ferrous Iron	0.33	TEXT		NA	NA
6/19/2007	MW5IR	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/19/2007	MW5IR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/19/2007	MW5IR	Sulfate	5.6	MG/L		NA	400
6/19/2007	MW5IR	Sulfide	1000	UG/L	U	NA	NA
6/19/2007	MW5IR	Total Dissolved Solids (TDS)	370	MG/L		NA	1200
6/19/2007	MW5IR	Total Organic Carbon (TOC)	10.2	MG/L		NA	NA
6/19/2007	MW5IR	Total Suspended Solids (TSS)	29.6	MG/L		NA	NA
6/19/2007	MW5IR	Aluminum, Total	54.6	UG/L		NA	NA
6/19/2007	MW5IR	Antimony, Total	6.0	UG/L	U	6	6
6/19/2007	MW5IR	Arsenic, Total	20.0	UG/L	U	50	50
6/19/2007	MW5IR	Barium, Total	83.8	UG/L		2000	2000
6/19/2007	MW5IR	Beryllium, Total	1.0	UG/L	U	4	4
6/19/2007	MW5IR	Cadmium, Total	1.0	UG/L	U	5	5
6/19/2007	MW5IR	Calcium, Total	54100	UG/L		NA	NA
6/19/2007	MW5IR	Chromium, Total	3.0	UG/L	U	100	100
6/19/2007	MW5IR	Cobalt, Total	3.0	UG/L	U	NA	1000
)/2007	MW5IR	Copper, Total	4.0	UG/L	U	1300	650
,9/2007	MW5IR	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/19/2007	MW5IR	Iron, Total	2330	UG/L		NA	5000
6/19/2007	MW5IR	Lead, Total	5.0	UG/L	U	15	7.5
6/19/2007	MW5IR	Magnesium, Total	49900	UG/L		NA	NA
6/19/2007	MW5IR	Manganese, Total	29.6	UG/L		NA	150
6/19/2007	MW5IR	Mercury, Total	0.400	UG/L	U	2	2
6/19/2007	MW5IR	Nickel, Total	10.5	UG/L		NA	100
6/19/2007	MW5IR	Potassium, Total	1410	UG/L		NA	NA
6/19/2007	MW5IR	Selenium, Total	10.0	UG/L	U	50	50
6/19/2007	MW5IR	Silver, Total	4.0	UG/L	U	NA	50
6/19/2007	MW5IR	Sodium, Total	29600	UG/L		NA	NA
6/19/2007	MW5IR	Thallium, Total	2.00	UG/L	U	2	2
6/19/2007	MW5IR	Vanadium, Total	3.0	UG/L	U	NA	NA
6/19/2007	MW5IR	Zinc, Total	5.0	UG/L	U	NA	5000
6/19/2007	MW5IR	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	MW5IR	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	MW5IR	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	MW5IR	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	MW5IR	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	MW5IR	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Acetone	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Benzene	ND	UG/L	U	5	5
6/19/2007	MW5IR	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Bromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Carbon Disulfide	ND	UG/L	U	NA	NA
/2007	MW5IR	Carbon Tetrachloride	ND	UG/L	U	5	5

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	MW5IR	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	MW5IR	Chloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	MW5IR	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	MW5IR	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	MW5IR	Styrene	ND	UG/L	U	100	100
6/19/2007	MW5IR	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	MW5IR	Toluene	ND	UG/L	U	1000	1000
6/19/2007	MW5IR	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	MW5IR	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	MW5IR	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW5IR	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	MW5IR	Vinyl chloride	ND	UG/L	U	2	2

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	MW06I	Dissolved Oxygen (D.O.) (Field Test)	15.52	MG/L		NA	NA
6/21/2007	MW06I	Electrical Conductance (Field)	1436	UMHOS/CM		NA	NA
6/21/2007	MW06I	Field EH/ORP	-91.2	M.VOLTS		NA	NA
6/21/2007	MW06I	pH (Field)	6.88	S.U.		NA	6.5-9.0
6/21/2007	MW06I	Temperature, Field (°F)	53.8	°F		NA	NA
6/21/2007	MW06I	Turbidity	9.12	TEXT		NA	NA
6/21/2007	MW06I	Alkalinity, Total (As CaCO3)	494	MG/L		NA	NA
6/21/2007	**MW06I**	**Chloride**	**234**	**MG/L**		**NA**	**200**
6/21/2007	MW06I	Ferrous Iron	0.77	TEXT		NA	NA
6/21/2007	MW06I	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/21/2007	MW06I	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/21/2007	MW06I	Sulfate	1.1	MG/L		NA	400
6/21/2007	MW06I	Sulfide	1000	UG/L	U	NA	NA
6/21/2007	MW06I	Total Dissolved Solids (TDS)	886	MG/L		NA	1200
6/21/2007	MW06I	Total Organic Carbon (TOC)	7.3	MG/L		NA	NA
6/21/2007	MW06I	Total Suspended Solids (TSS)	30.8	MG/L		NA	NA
6/21/2007	MW06I	Aluminum, Total	151	UG/L		NA	NA
6/21/2007	MW06I	Antimony, Total	6.0	UG/L	U	6	6
6/21/2007	MW06I	Arsenic, Total	20.0	UG/L	U	50	50
6/21/2007	MW06I	Barium, Total	380	UG/L		2000	2000
6/21/2007	MW06I	Beryllium, Total	1.0	UG/L	U	4	4
6/21/2007	MW06I	Cadmium, Total	1.0	UG/L	U	5	5
6/21/2007	MW06I	Calcium, Total	101000	UG/L		NA	NA
6/21/2007	MW06I	Chromium, Total	3.0	UG/L	U	100	100
6/21/2007	MW06I	Cobalt, Total	3.0	UG/L	U	NA	1000
6/21/2007	MW06I	Copper, Total	4.0	UG/L	U	1300	650
6/21/2007	MW06I	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/21/2007	**MW06I**	**Iron, Total**	**7510**	**UG/L**		**NA**	**5000**
6/21/2007	MW06I	Lead, Total	5.0	UG/L	U	15	7.5
6/21/2007	MW06I	Magnesium, Total	70700	UG/L		NA	NA
6/21/2007	MW06I	Manganese, Total	47.6	UG/L		NA	150
6/21/2007	MW06I	Mercury, Total	0.400	UG/L	U	2	2
6/21/2007	MW06I	Nickel, Total	4.8	UG/L		NA	100
6/21/2007	MW06I	Potassium, Total	14400	UG/L		NA	NA
6/21/2007	MW06I	Selenium, Total	10.0	UG/L	U	50	50
6/21/2007	MW06I	Silver, Total	4.0	UG/L	U	NA	50
6/21/2007	MW06I	Sodium, Total	99800	UG/L		NA	NA
6/21/2007	MW06I	Thallium, Total	2.00	UG/L	U	2	2
6/21/2007	MW06I	Vanadium, Total	3.0	UG/L	U	NA	NA
6/21/2007	MW06I	Zinc, Total	5.0	UG/L	U	NA	5000
6/21/2007	MW06I	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/21/2007	MW06I	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/21/2007	MW06I	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/21/2007	MW06I	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/21/2007	MW06I	1,1-Dichloroethene	ND	UG/L	U	7	7
6/21/2007	MW06I	1,2-Dichloroethane	ND	UG/L	U	5	5
6/21/2007	MW06I	1,2-Dichloropropane	ND	UG/L	U	5	5
6/21/2007	MW06I	2-Hexanone	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Acetone	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Benzene	ND	UG/L	U	5	5
6/21/2007	MW06I	Bromoform	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Bromomethane	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Carbon Disulfide	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Carbon Tetrachloride	ND	UG/L	U	5	5

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	MW06I	Chlorobenzene	ND	UG/L	U	100	100
6/21/2007	**MW06I**	**Chloroethane**	**8**	**UG/L**		**NA**	**NA**
6/21/2007	MW06I	Chloroform	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Chloromethane	ND	UG/L	U	NA	NA
6/21/2007	MW06I	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/21/2007	MW06I	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Dibromochloromethane	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Ethylbenzene	ND	UG/L	U	700	700
6/21/2007	MW06I	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Methylene chloride	ND	UG/L	U	5	5
6/21/2007	MW06I	Styrene	ND	UG/L	U	100	100
6/21/2007	MW06I	Tetrachloroethene	ND	UG/L	U	5	5
6/21/2007	MW06I	Toluene	ND	UG/L	U	1000	1000
6/21/2007	MW06I	Total Xylenes	ND	UG/L	U	10000	10000
6/21/2007	MW06I	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/21/2007	MW06I	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/21/2007	MW06I	Trichloroethene	ND	UG/L	U	5	5
6/21/2007	MW06I	Vinyl chloride	ND	UG/L	U	2	2

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	MW10I	Dissolved Oxygen (D.O.) (Field Test)	6.08	MG/L		NA	NA
6/20/2007	MW10I	Electrical Conductance (Field)	632	UMHOS/CM		NA	NA
6/20/2007	MW10I	Field EH/ORP	54.0	M.VOLTS		NA	NA
6/20/2007	MW10I	pH (Field)	7.01	S.U.		NA	6.5-9.0
6/20/2007	MW10I	Temperature, Field (°F)	53.2	°F		NA	NA
6/20/2007	MW10I	Turbidity	20.1	TEXT		NA	NA
6/20/2007	MW10I	Alkalinity, Total (As CaCO3)	309	MG/L		NA	NA
6/20/2007	MW10I	Chloride	11.1	MG/L		NA	200
6/20/2007	MW10I	Ferrous Iron	0.15	TEXT		NA	NA
6/20/2007	MW10I	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/20/2007	MW10I	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/20/2007	MW10I	Sulfate	64.9	MG/L		NA	400
6/20/2007	MW10I	Sulfide	1000	UG/L	U	NA	NA
6/20/2007	MW10I	Total Dissolved Solids (TDS)	378	MG/L		NA	1200
6/20/2007	MW10I	Total Organic Carbon (TOC)	1.0	MG/L	U	NA	NA
6/20/2007	MW10I	Total Suspended Solids (TSS)	149	MG/L		NA	NA
6/20/2007	MW10I	Aluminum, Total	262	UG/L		NA	NA
6/20/2007	MW10I	Antimony, Total	6.0	UG/L	U	6	6
6/20/2007	MW10I	Arsenic, Total	20.0	UG/L	U	50	50
6/20/2007	MW10I	Barium, Total	78.9	UG/L		2000	2000
6/20/2007	MW10I	Beryllium, Total	1.0	UG/L	U	4	4
6/20/2007	MW10I	Cadmium, Total	1.0	UG/L	U	5	5
6/20/2007	MW10I	Calcium, Total	78300	UG/L		NA	NA
6/20/2007	MW10I	Chromium, Total	3.0	UG/L	U	100	100
6/20/2007	MW10I	Cobalt, Total	3.0	UG/L	U	NA	1000
)/2007	MW10I	Copper, Total	4.0	UG/L	U	1300	650
,/20/2007	MW10I	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/20/2007	MW10I	Iron, Total	338	UG/L		NA	5000
6/20/2007	MW10I	Lead, Total	5.0	UG/L	U	15	7.5
6/20/2007	MW10I	Magnesium, Total	44700	UG/L		NA	NA
6/20/2007	MW10I	Manganese, Total	102	UG/L		NA	150
6/20/2007	MW10I	Mercury, Total	0.400	UG/L	U	2	2
6/20/2007	MW10I	Nickel, Total	7.0	UG/L		NA	100
6/20/2007	MW10I	Potassium, Total	424	UG/L		NA	NA
6/20/2007	MW10I	Selenium, Total	10.0	UG/L	U	50	50
6/20/2007	MW10I	Silver, Total	4.0	UG/L	U	NA	50
6/20/2007	MW10I	Sodium, Total	9730	UG/L		NA	NA
6/20/2007	MW10I	Thallium, Total	2.00	UG/L	U	2	2
6/20/2007	MW10I	Vanadium, Total	3.0	UG/L	U	NA	NA
6/20/2007	MW10I	Zinc, Total	5.0	UG/L	U	NA	5000
6/20/2007	MW10I	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/20/2007	MW10I	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW10I	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/20/2007	MW10I	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW10I	1,1-Dichloroethene	ND	UG/L	U	7	7
6/20/2007	MW10I	1,2-Dichloroethane	ND	UG/L	U	5	5
6/20/2007	MW10I	1,2-Dichloropropane	ND	UG/L	U	5	5
6/20/2007	MW10I	2-Hexanone	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Acetone	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Benzene	ND	UG/L	U	5	5
6/20/2007	MW10I	Bromoform	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Bromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Carbon Disulfide	ND	UG/L	U	NA	NA
/2007	MW10I	Carbon Tetrachloride	ND	UG/L	U	5	5

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	MW10I	Chlorobenzene	ND	UG/L	U	100	100
6/20/2007	MW10I	Chloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Chloroform	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Chloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW10I	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/20/2007	MW10I	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Dibromochloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Ethylbenzene	ND	UG/L	U	700	700
6/20/2007	MW10I	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Methylene chloride	ND	UG/L	U	5	5
6/20/2007	MW10I	Styrene	ND	UG/L	U	100	100
6/20/2007	MW10I	Tetrachloroethene	ND	UG/L	U	5	5
6/20/2007	MW10I	Toluene	ND	UG/L	U	1000	1000
6/20/2007	MW10I	Total Xylenes	ND	UG/L	U	10000	10000
6/20/2007	MW10I	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/20/2007	MW10I	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW10I	Trichloroethene	ND	UG/L	U	5	5
6/20/2007	MW10I	Vinyl chloride	ND	UG/L	U	2	2

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	MW12IR	Electrical Conductance (Field)	1371	UMHOS/CM		NA	NA
6/19/2007	MW12IR	pH (Field)	6.89	S.U.		NA	6.5-9.0
6/19/2007	MW12IR	Temperature, Field (°F)	55.7	°F		NA	NA
6/19/2007	MW12IR	Turbidity	2.77	TEXT		NA	NA
6/19/2007	MW12IR	Alkalinity, Total (As CaCO3)	408	MG/L		NA	NA
6/19/2007	**MW12IR**	**Chloride**	**296**	**MG/L**		**NA**	**200**
6/19/2007	MW12IR	Ferrous Iron	0.33	TEXT		NA	NA
6/19/2007	MW12IR	Nitrate (As N)	1.7	MG/L-N		10	10
6/19/2007	MW12IR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/19/2007	MW12IR	Sulfate	91.4	MG/L		NA	400
6/19/2007	MW12IR	Sulfide	1000	UG/L	U	NA	NA
6/19/2007	MW12IR	Total Dissolved Solids (TDS)	1020	MG/L		NA	1200
6/19/2007	MW12IR	Total Organic Carbon (TOC)	13.5	MG/L		NA	NA
6/19/2007	MW12IR	Total Suspended Solids (TSS)	12.8	MG/L		NA	NA
6/19/2007	MW12IR	Aluminum, Total	55.5	UG/L		NA	NA
6/19/2007	MW12IR	Antimony, Total	6.0	UG/L	U	6	6
6/19/2007	MW12IR	Arsenic, Total	20.0	UG/L	U	50	50
6/19/2007	MW12IR	Barium, Total	176	UG/L		2000	2000
6/19/2007	MW12IR	Beryllium, Total	1.0	UG/L	U	4	4
6/19/2007	MW12IR	Cadmium, Total	1.0	UG/L	U	5	5
6/19/2007	MW12IR	Calcium, Total	121000	UG/L		NA	NA
6/19/2007	**MW12IR**	**Chromium, Total**	**105**	**UG/L**		**100**	**100**
6/19/2007	MW12IR	Cobalt, Total	5.0	UG/L		NA	1000
6/19/2007	MW12IR	Copper, Total	6.0	UG/L		1300	650
6/19/2007	MW12IR	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/19/2007	MW12IR	Iron, Total	3350	UG/L		NA	5000
6/19/2007	MW12IR	Lead, Total	5.0	UG/L	U	15	7.5
6/19/2007	MW12IR	Magnesium, Total	70600	UG/L		NA	NA
6/19/2007	MW12IR	Manganese, Total	76.3	UG/L		NA	150
6/19/2007	MW12IR	Mercury, Total	0.400	UG/L	U	2	2
6/19/2007	**MW12IR**	**Nickel, Total**	**209**	**UG/L**		**NA**	**100**
6/19/2007	MW12IR	Potassium, Total	7740	UG/L		NA	NA
6/19/2007	MW12IR	Selenium, Total	10.0	UG/L	U	50	50
6/19/2007	MW12IR	Silver, Total	4.0	UG/L	U	NA	50
6/19/2007	MW12IR	Sodium, Total	100000	UG/L		NA	NA
6/19/2007	MW12IR	Thallium, Total	2.00	UG/L	U	2	2
6/19/2007	MW12IR	Vanadium, Total	3.0	UG/L	U	NA	NA
6/19/2007	MW12IR	Zinc, Total	5.0	UG/L	U	NA	5000
6/19/2007	MW12IR	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	MW12IR	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	MW12IR	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	MW12IR	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	MW12IR	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	MW12IR	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Acetone	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Benzene	ND	UG/L	U	5	5
6/19/2007	MW12IR	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Bromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Carbon Disulfide	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Carbon Tetrachloride	ND	UG/L	U	5	5
6/19/2007	MW12IR	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	MW12IR	Chloroethane	ND	UG/L	U	NA	NA

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6/19/2007	MW12IR	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	MW12IR	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	MW12IR	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	MW12IR	Styrene	ND	UG/L	U	100	100
6/19/2007	MW12IR	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	MW12IR	Toluene	ND	UG/L	U	1000	1000
6/19/2007	MW12IR	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	MW12IR	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	MW12IR	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	MW12IR	Vinyl chloride	ND	UG/L	U	2	2
6/19/2007	MW12IR	1,2,4-Trichlorobenzene	ND	UG/L	U	70	70
6/19/2007	MW12IR	1,2-Dichlorobenzene	ND	UG/L	U	600	600
6/19/2007	MW12IR	1,3-Dichlorobenzene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	1,4-Dichlorobenzene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2,2'-Oxybis(1-Chloropropane)	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2,4,5-Trichlorophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2,4,6-Trichlorophenol	ND	UG/L	U	NA	NA
9/2007	MW12IR	2,4-Dichlorophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2,4-Dimethylphenol	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2,4-Dinitrophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2,4-Dinitrotoluene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2,6-Dinitrotoluene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2-Chloronaphthalene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2-Chlorophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2-Methylnaphthalene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	2-Nitrophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	3,3'-Dichlorobenzidine	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	3-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	4-Bromophenyl phenyl ether	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	4-Chloroaniline	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	4-Chlorophenyl phenyl ether	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	4-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	4-Nitrophenol	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Acenaphthene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Acenaphthylene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Anthracene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Benzo(a)anthracene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Benzo(a)pyrene	ND	UG/L	U	0.2	0.2
6/19/2007	MW12IR	Benzo(b)fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Benzo(ghi)perylene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Benzo(k)fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Bis(2-chloroethoxy) methane	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Bis(2-chloroethyl) ether	ND	UG/L	U	NA	NA
9/2007	MW12IR	Bis(2-ethylhexyl) phthalate	ND	UG/L	U	6	6
9/2007	MW12IR	Butyl benzyl phthalate	ND	UG/L	U	NA	NA

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	MW12IR	Carbazole	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Chrysene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Cresol, 4,6-Dinitro-O-	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Cresol, o-	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Cresol, p-	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Cresol, p-Chloro-m-	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Dibenzo(a,h)anthracene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Dibenzofuran	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Diethyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Dimethyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Di-n-butyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Di-n-octyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Fluorene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Hexachlorobenzene	ND	UG/L	U	1	NA
6/19/2007	MW12IR	Hexachlorobutadiene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Hexachlorocyclopentadiene	ND	UG/L	U	50	50
6/19/2007	MW12IR	Hexachloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Indeno(1,2,3-cd)pyrene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Isophorone	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Naphthalene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Nitrobenzene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	N-Nitroso-Di-n-propylamine	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	N-nitrosodiphenylamine	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Pentachlorophenol	ND	UG/L	U	1	1
6/19/2007	MW12IR	Phenanthrene	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Phenol	ND	UG/L	U	NA	NA
6/19/2007	MW12IR	Pyrene	ND	UG/L	U	NA	NA

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Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	MW13IR	Electrical Conductance (Field)	1299	UMHOS/CM		NA	NA
6/21/2007	MW13IR	pH (Field)	6.95	S.U.		NA	6.5-9.0
6/21/2007	MW13IR	Temperature, Field (°F)	56.8	°F		NA	NA
6/21/2007	MW13IR	Turbidity	5.12	TEXT		NA	NA
6/21/2007	MW13IR	Alkalinity, Total (As CaCO3)	478	MG/L		NA	NA
6/21/2007	MW13IR	Chloride	156	MG/L		NA	200
6/21/2007	MW13IR	Ferrous Iron	0.60	TEXT		NA	NA
6/21/2007	MW13IR	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/21/2007	MW13IR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/21/2007	MW13IR	Sulfate	49.8	MG/L		NA	400
6/21/2007	MW13IR	Sulfide	1000	UG/L	U	NA	NA
6/21/2007	MW13IR	Total Dissolved Solids (TDS)	838	MG/L		NA	1200
6/21/2007	MW13IR	Total Organic Carbon (TOC)	4.1	MG/L		NA	NA
6/21/2007	MW13IR	Total Suspended Solids (TSS)	6.4	MG/L		NA	NA
6/21/2007	MW13IR	Aluminum, Total	30.0	UG/L	U	NA	NA
6/21/2007	MW13IR	Antimony, Total	6.0	UG/L	U	6	6
6/21/2007	MW13IR	Arsenic, Total	20.0	UG/L	U	50	50
6/21/2007	MW13IR	Barium, Total	360	UG/L		2000	2000
6/21/2007	MW13IR	Beryllium, Total	1.0	UG/L	U	4	4
6/21/2007	MW13IR	Cadmium, Total	1.0	UG/L	U	5	5
6/21/2007	MW13IR	Calcium, Total	104000	UG/L		NA	NA
6/21/2007	MW13IR	Chromium, Total	3.0	UG/L	U	100	100
6/21/2007	MW13IR	Cobalt, Total	3.0	UG/L	U	NA	1000
6/21/2007	MW13IR	Copper, Total	4.0	UG/L	U	1300	650
6/21/2007	MW13IR	Cyanide, Total	0.020	MG/L	U	0.2	0.2
1/2007	MW13IR	Iron, Total	1820	UG/L		NA	5000
6/21/2007	MW13IR	Lead, Total	5.0	UG/L	U	15	7.5
6/21/2007	MW13IR	Magnesium, Total	69900	UG/L		NA	NA
6/21/2007	MW13IR	Manganese, Total	76.9	UG/L		NA	150
6/21/2007	MW13IR	Mercury, Total	0.400	UG/L	U	2	2
6/21/2007	MW13IR	Nickel, Total	4.0	UG/L	U	NA	100
6/21/2007	MW13IR	Potassium, Total	7370	UG/L		NA	NA
6/21/2007	MW13IR	Selenium, Total	10.0	UG/L	U	50	50
6/21/2007	MW13IR	Silver, Total	4.0	UG/L	U	NA	50
6/21/2007	MW13IR	Sodium, Total	80400	UG/L		NA	NA
6/21/2007	MW13IR	Thallium, Total	2.00	UG/L	U	2	2
6/21/2007	MW13IR	Vanadium, Total	3.0	UG/L	U	NA	NA
6/21/2007	MW13IR	Zinc, Total	5.0	UG/L	U	NA	5000
6/21/2007	MW13IR	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/21/2007	MW13IR	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/21/2007	MW13IR	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	1,1-Dichloroethene	ND	UG/L	U	7	7
6/21/2007	MW13IR	1,2-Dichloroethane	ND	UG/L	U	5	5
6/21/2007	MW13IR	1,2-Dichloropropane	ND	UG/L	U	5	5
6/21/2007	MW13IR	2-Hexanone	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Acetone	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Benzene	ND	UG/L	U	5	5
6/21/2007	MW13IR	Bromoform	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Bromomethane	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Carbon Disulfide	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Carbon Tetrachloride	ND	UG/L	U	5	5
6/21/2007	MW13IR	Chlorobenzene	ND	UG/L	U	100	100
1/2007	MW13IR	Chloroethane	ND	UG/L	U	NA	NA

Appendix E
June 2007

Tri-County Landfill
' ·mediate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	MW13IR	Chloroform	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Chloromethane	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/21/2007	MW13IR	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Dibromochloromethane	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Ethylbenzene	ND	UG/L	U	700	700
6/21/2007	MW13IR	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Methylene chloride	ND	UG/L	U	5	5
6/21/2007	MW13IR	Styrene	ND	UG/L	U	100	100
6/21/2007	MW13IR	Tetrachloroethene	ND	UG/L	U	5	5
6/21/2007	MW13IR	Toluene	ND	UG/L	U	1000	1000
6/21/2007	MW13IR	Total Xylenes	ND	UG/L	U	10000	10000
6/21/2007	MW13IR	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/21/2007	MW13IR	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Trichloroethene	ND	UG/L	U	5	5
6/21/2007	MW13IR	Vinyl chloride	ND	UG/L	U	2	2
6/21/2007	MW13IR	1,2,4-Trichlorobenzene	ND	UG/L	U	70	70
6/21/2007	MW13IR	1,2-Dichlorobenzene	ND	UG/L	U	600	600
6/21/2007	MW13IR	1,3-Dichlorobenzene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	1,4-Dichlorobenzene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2,2'-Oxybis(1-Chloropropane)	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2,4,5-Trichlorophenol	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2,4,6-Trichlorophenol	ND	UG/L	U	NA	NA
1/2007	MW13IR	2,4-Dichlorophenol	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2,4-Dimethylphenol	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2,4-Dinitrophenol	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2,4-Dinitrotoluene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2,6-Dinitrotoluene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2-Chloronaphthalene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2-Chlorophenol	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2-Methylnaphthalene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2-Nitroaniline	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	2-Nitrophenol	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	3,3'-Dichlorobenzidine	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	3-Nitroaniline	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	4-Bromophenyl phenyl ether	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	4-Chloroaniline	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	4-Chlorophenyl phenyl ether	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	4-Nitroaniline	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	4-Nitrophenol	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Acenaphthene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Acenaphthylene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Anthracene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Benzo(a)anthracene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Benzo(a)pyrene	ND	UG/L	U	0.2	0.2
6/21/2007	MW13IR	Benzo(b)fluoranthene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Benzo(ghi)perylene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Benzo(k)fluoranthene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Bis(2-chloroethoxy) methane	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Bis(2-chloroethyl) ether	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Bis(2-ethylhexyl) phthalate	ND	UG/L	U	6	6
1/2007	MW13IR	Butyl benzyl phthalate	ND	UG/L	U	NA	NA

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June 2007

Tri-County Landfill
' mediate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	MW13IR	Carbazole	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Chrysene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Cresol, 4,6-Dinitro-O-	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Cresol, o-	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Cresol, p-	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Cresol, p-Chloro-m-	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Dibenzo(a,h)anthracene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Dibenzofuran	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Diethyl phthalate	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Dimethyl phthalate	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Di-n-butyl phthalate	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Di-n-octyl phthalate	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Fluoranthene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Fluorene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Hexachlorobenzene	ND	UG/L	U	1	NA
6/21/2007	MW13IR	Hexachlorobutadiene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Hexachlorocyclopentadiene	ND	UG/L	U	50	50
6/21/2007	MW13IR	Hexachloroethane	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Indeno(1,2,3-cd)pyrene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Isophorone	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Naphthalene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Nitrobenzene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	N-Nitroso-Di-n-propylamine	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	N-nitrosodiphenylamine	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Pentachlorophenol	ND	UG/L	U	1	1
1/2007	MW13IR	Phenanthrene	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Phenol	ND	UG/L	U	NA	NA
6/21/2007	MW13IR	Pyrene	ND	UG/L	U	NA	NA

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June 2007

Tri-County Landfill
Intermediate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	MW39I	Dissolved Oxygen (D.O.) (Field Test)	9.48	MG/L		NA	NA
6/20/2007	MW39I	Electrical Conductance (Field)	870	UMHOS/CM		NA	NA
6/20/2007	MW39I	Field EH/ORP	72.6	M.VOLTS		NA	NA
6/20/2007	MW39I	pH (Field)	7.29	S.U.		NA	6.5-9.0
6/20/2007	MW39I	Temperature, Field (°F)	51.9	°F		NA	NA
6/20/2007	MW39I	Turbidity	6.25	TEXT		NA	NA
6/20/2007	MW39I	Alkalinity, Total (As CaCO3)	351	MG/L		NA	NA
6/20/2007	MW39I	Chloride	78.5	MG/L		NA	200
6/20/2007	MW39I	Ferrous Iron	0	TEXT		NA	NA
6/20/2007	MW39I	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/20/2007	MW39I	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/20/2007	MW39I	Sulfate	77.8	MG/L		NA	400
6/20/2007	MW39I	Sulfide	1000	UG/L	U	NA	NA
6/20/2007	MW39I	Total Dissolved Solids (TDS)	574	MG/L		NA	1200
6/20/2007	MW39I	Total Organic Carbon (TOC)	2.8	MG/L		NA	NA
6/20/2007	MW39I	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/20/2007	MW39I	Aluminum, Total	77.9	UG/L		NA	NA
6/20/2007	MW39I	Antimony, Total	6.0	UG/L	U	6	6
6/20/2007	MW39I	Arsenic, Total	20.0	UG/L	U	50	50
6/20/2007	MW39I	Barium, Total	107	UG/L		2000	2000
6/20/2007	MW39I	Beryllium, Total	1.0	UG/L	U	4	4
6/20/2007	MW39I	Cadmium, Total	1.0	UG/L	U	5	5
6/20/2007	MW39I	Calcium, Total	74900	UG/L		NA	NA
6/20/2007	MW39I	Chromium, Total	3.0	UG/L	U	100	100
6/20/2007	MW39I	Cobalt, Total	3.0	UG/L	U	NA	1000
6/20/2007	MW39I	Copper, Total	4.0	UG/L	U	1300	650
6/20/2007	MW39I	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/20/2007	MW39I	Iron, Total	190	UG/L		NA	5000
6/20/2007	MW39I	Lead, Total	5.0	UG/L	U	15	7.5
6/20/2007	MW39I	Magnesium, Total	52100	UG/L		NA	NA
6/20/2007	**MW39I**	**Manganese, Total**	**269**	**UG/L**		**NA**	**150**
6/20/2007	MW39I	Mercury, Total	0.400	UG/L	U	2	2
6/20/2007	MW39I	Nickel, Total	5.4	UG/L		NA	100
6/20/2007	MW39I	Potassium, Total	2110	UG/L		NA	NA
6/20/2007	MW39I	Selenium, Total	10.0	UG/L	U	50	50
6/20/2007	MW39I	Silver, Total	4.0	UG/L	U	NA	50
6/20/2007	MW39I	Sodium, Total	51300	UG/L		NA	NA
6/20/2007	MW39I	Thallium, Total	2.00	UG/L	U	2	2
6/20/2007	MW39I	Vanadium, Total	3.0	UG/L	U	NA	NA
6/20/2007	MW39I	Zinc, Total	5.0	UG/L	U	NA	5000
6/20/2007	MW39I	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/20/2007	MW39I	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW39I	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/20/2007	MW39I	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW39I	1,1-Dichloroethene	ND	UG/L	U	7	7
6/20/2007	MW39I	1,2-Dichloroethane	ND	UG/L	U	5	5
6/20/2007	MW39I	1,2-Dichloropropane	ND	UG/L	U	5	5
6/20/2007	MW39I	2-Hexanone	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Acetone	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Benzene	ND	UG/L	U	5	5
6/20/2007	MW39I	Bromoform	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Bromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Carbon Disulfide	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Carbon Tetrachloride	ND	UG/L	U	5	5

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Tri-County Landfill
I mediate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	MW39I	Chlorobenzene	ND	UG/L	U	100	100
6/20/2007	MW39I	Chloroethane	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Chloroform	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Chloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW39I	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/20/2007	MW39I	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Dibromochloromethane	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Ethylbenzene	ND	UG/L	U	700	700
6/20/2007	MW39I	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Methylene chloride	ND	UG/L	U	5	5
6/20/2007	MW39I	Styrene	ND	UG/L	U	100	100
6/20/2007	MW39I	Tetrachloroethene	ND	UG/L	U	5	5
6/20/2007	MW39I	Toluene	ND	UG/L	U	1000	1000
6/20/2007	MW39I	Total Xylenes	ND	UG/L	U	10000	10000
6/20/2007	MW39I	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/20/2007	MW39I	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	MW39I	Trichloroethene	ND	UG/L	U	5	5
6/20/2007	MW39I	Vinyl chloride	ND	UG/L	U	2	2

APPENDIX F

TRI-COUNTY LANDFILL
DEEP MONITORING WELL NETWORK ANALYTICAL DATA
JUNE 2007

Tri-County Landfill
Monitoring Wells
Exceedences of Class I GWQS and MCL Limits
June 2007

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/19/2007	MW40DR	Chloride	712	MG/L		NA	200
6/19/2007	MW40DR	Total Dissolved Solids (TDS)	1630	MG/L		NA	1200
6/19/2007	MW40DR	Iron, Total	15600	UG/L		NA	5000

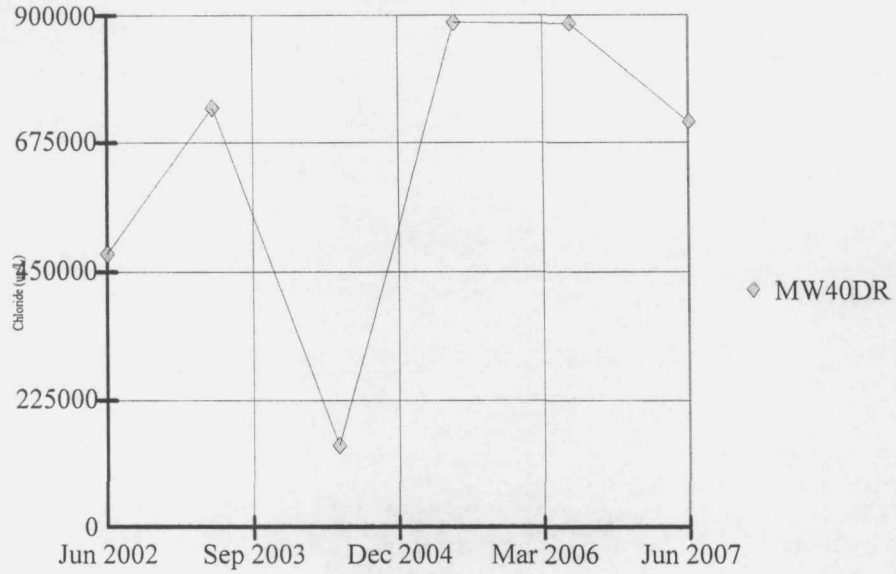
Notes:
Class I GWQS = Class I Groundwater Quality Standard
MCL = Federal Safe Drinking Water Act Maximum Contaminant Levels

Deep Monitoring Wells

TRI-COUNTY LANDFILL
Time Trend Graphs - Detected Parameters
JUNE 2007

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

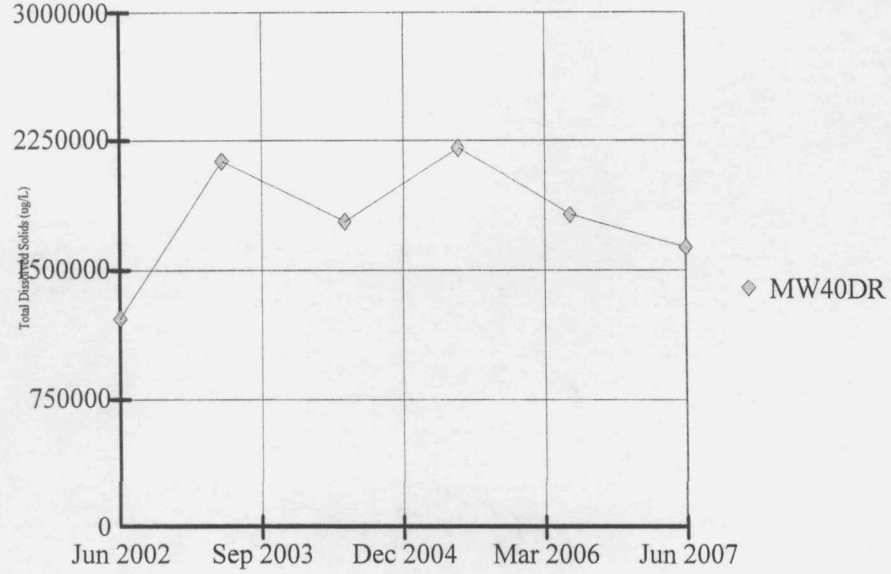
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:16 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

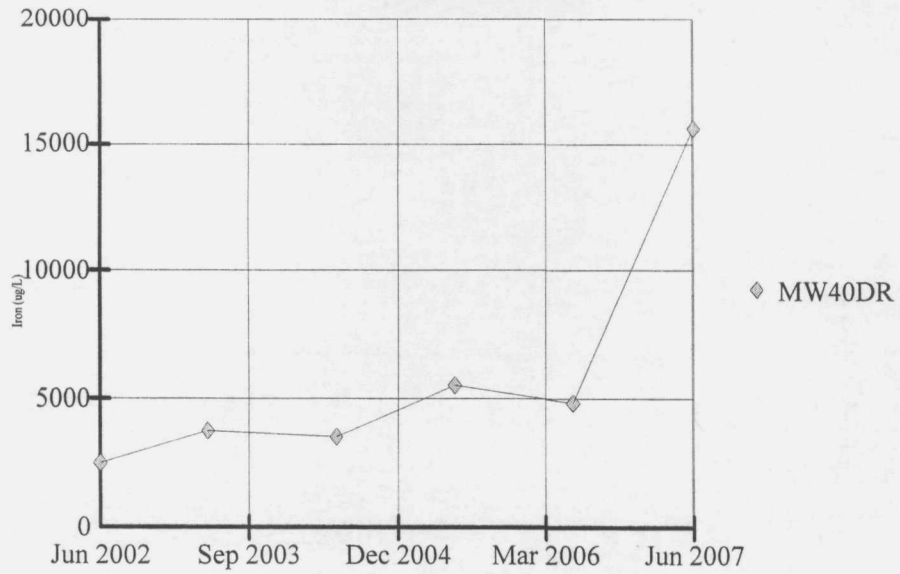
TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:16 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



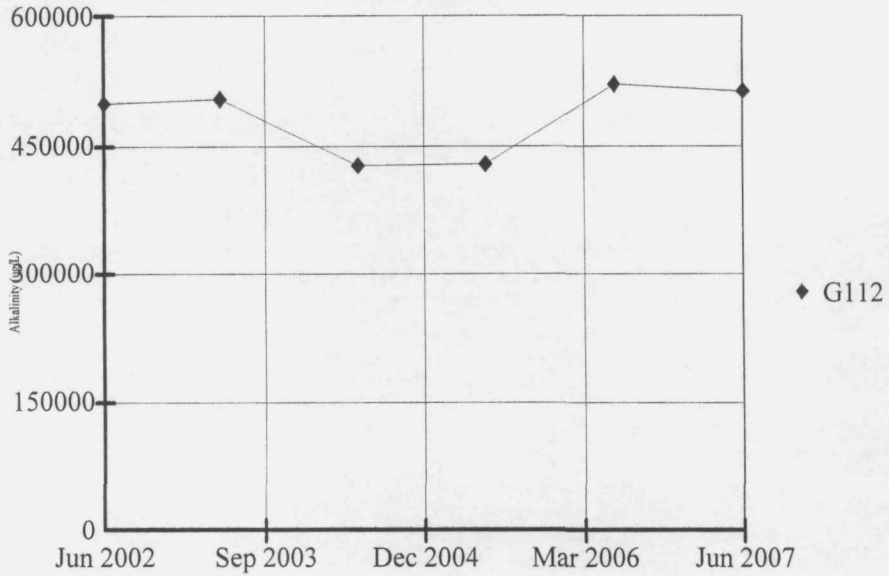
Constituent: Iron (ug/L) Data File: metals test
Date: 11/19/07, 5:16 PM Client: Shaw Environmental, Inc. View: _Batch_

Deep Monitoring Wells

TRI-COUNTY LANDFILL
Time Trend Graphs - Indicator Parameters
JUNE 2007

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
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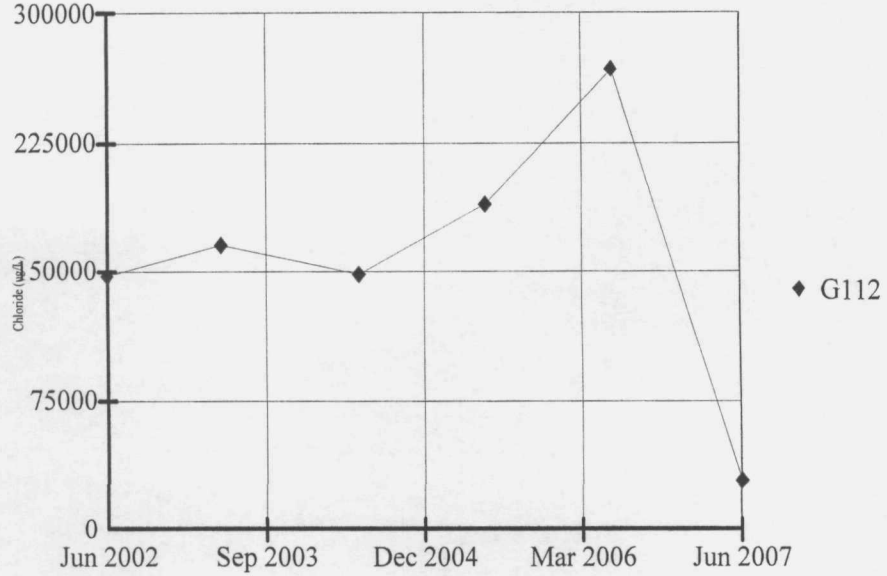
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



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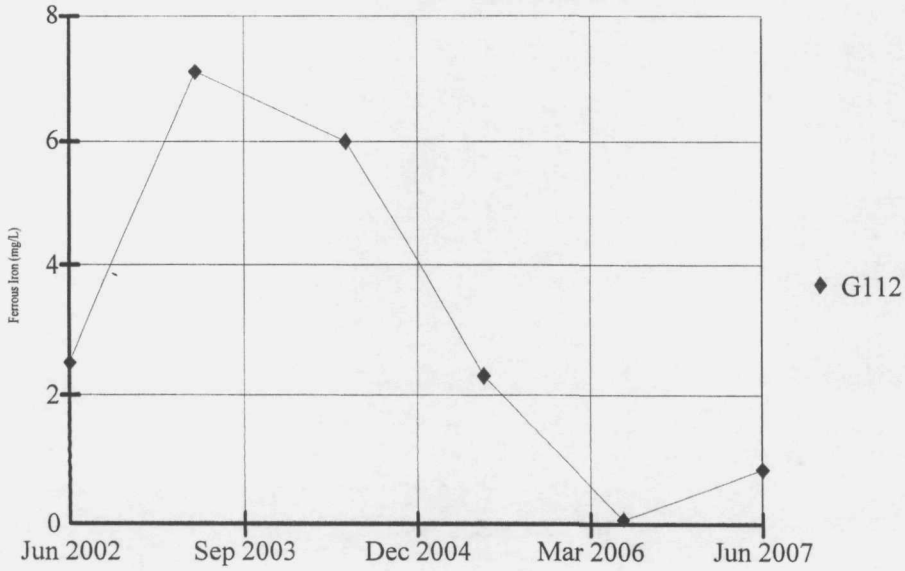
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

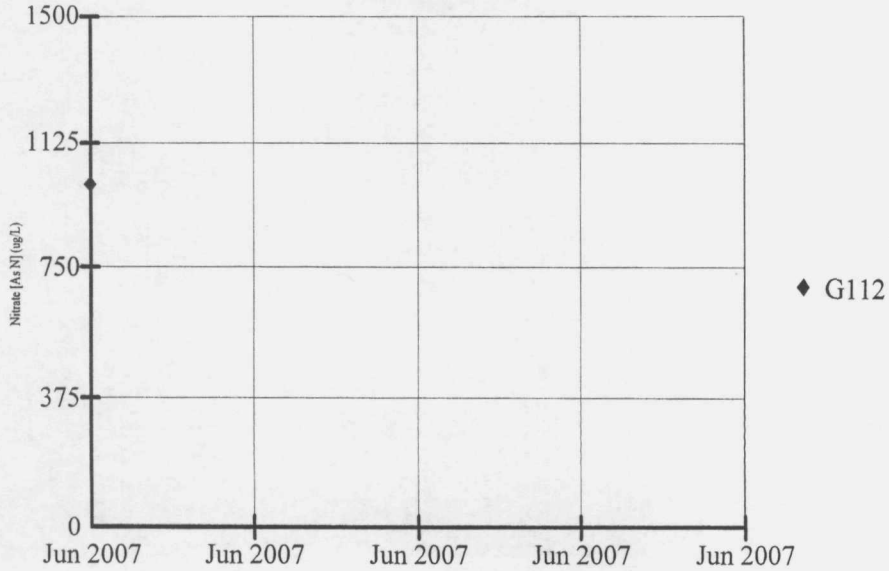
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 5:01 PM Client: Shaw Environmental, Inc. View: _Batch_

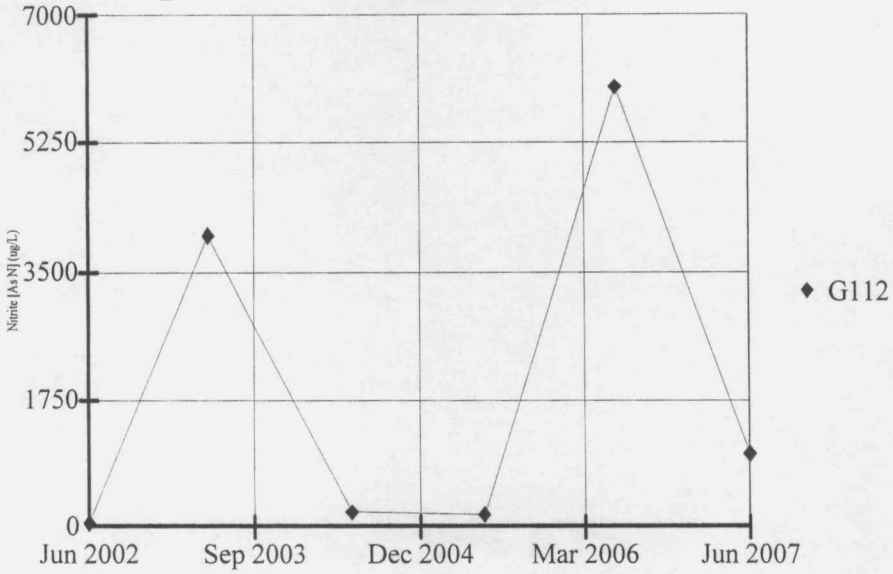
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:01 PM Client: Shaw Environmental, Inc. View: _Batch_

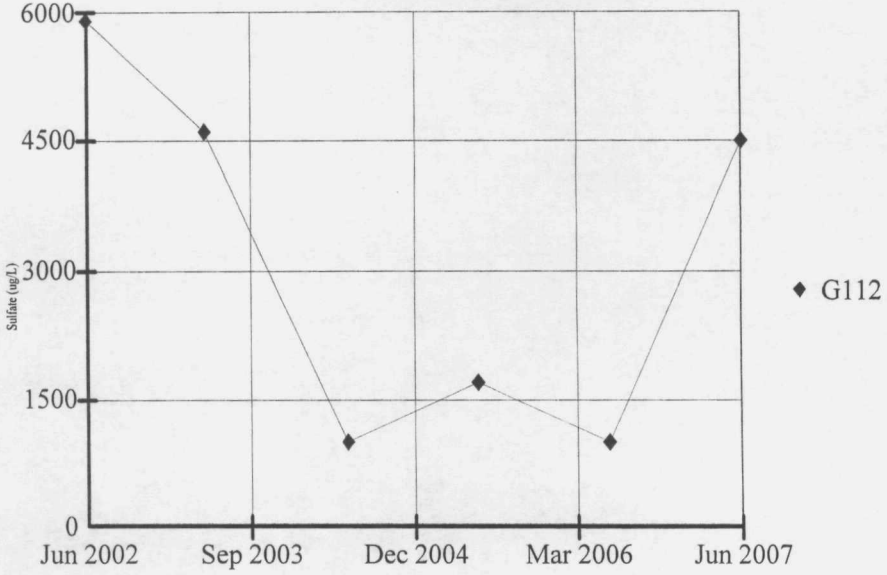
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:01 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

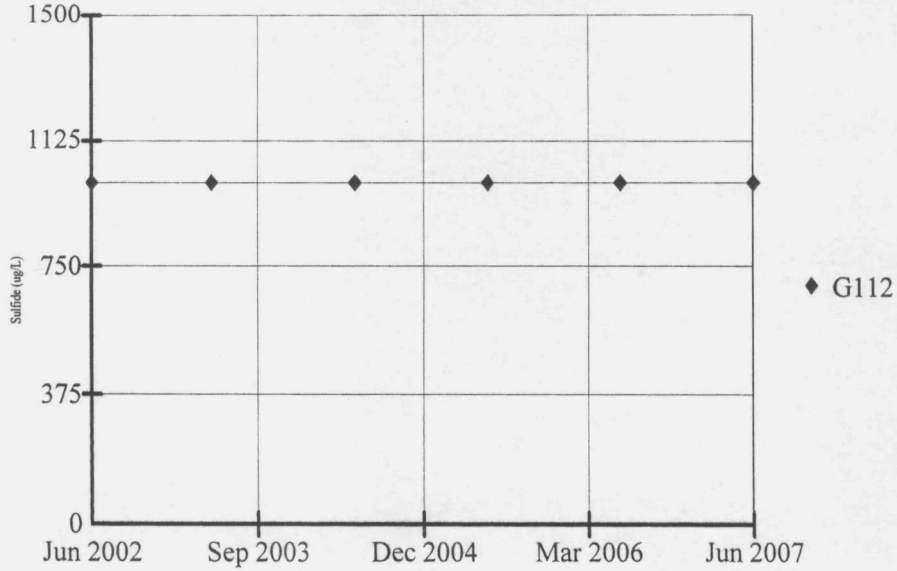
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:02 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

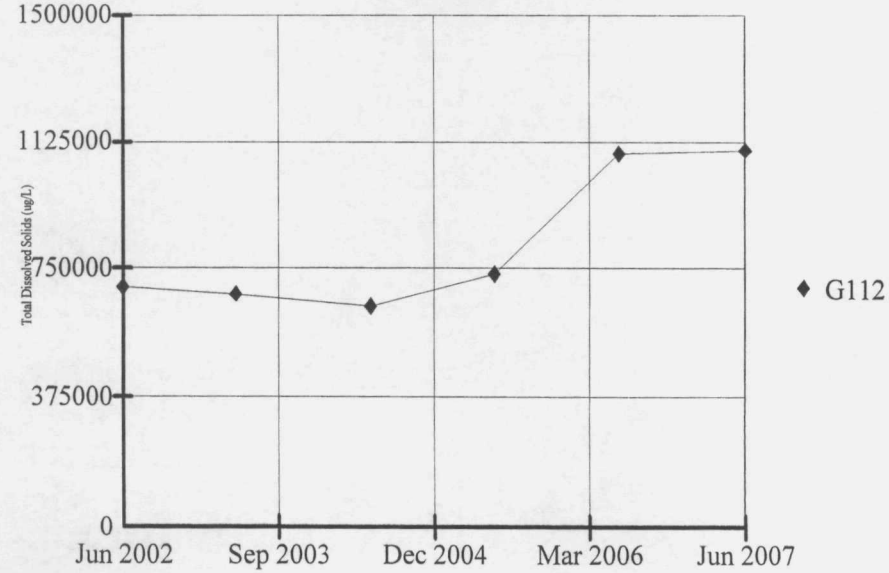
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 5:02 PM Client: Shaw Environmental, Inc. View: _Batch_

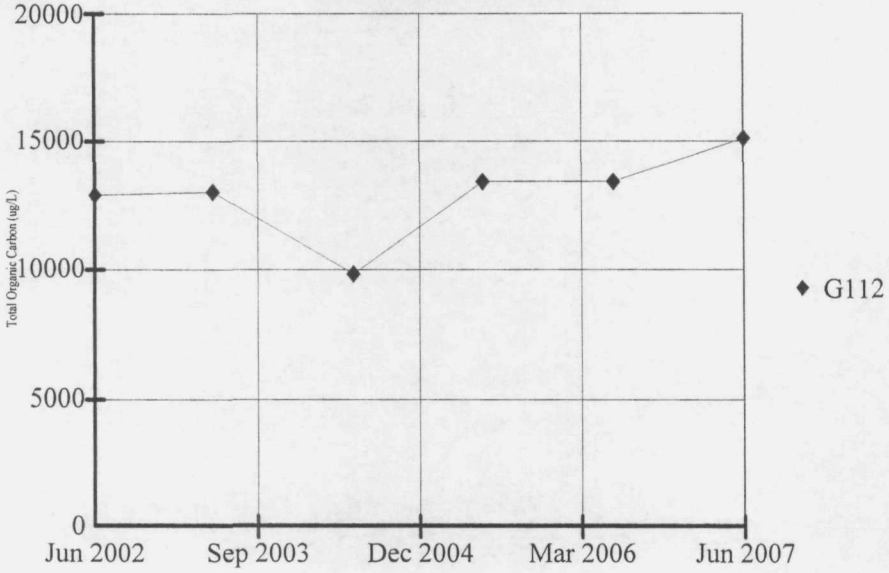
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:02 PM Client: Shaw Environmental, Inc. View: _Batch_

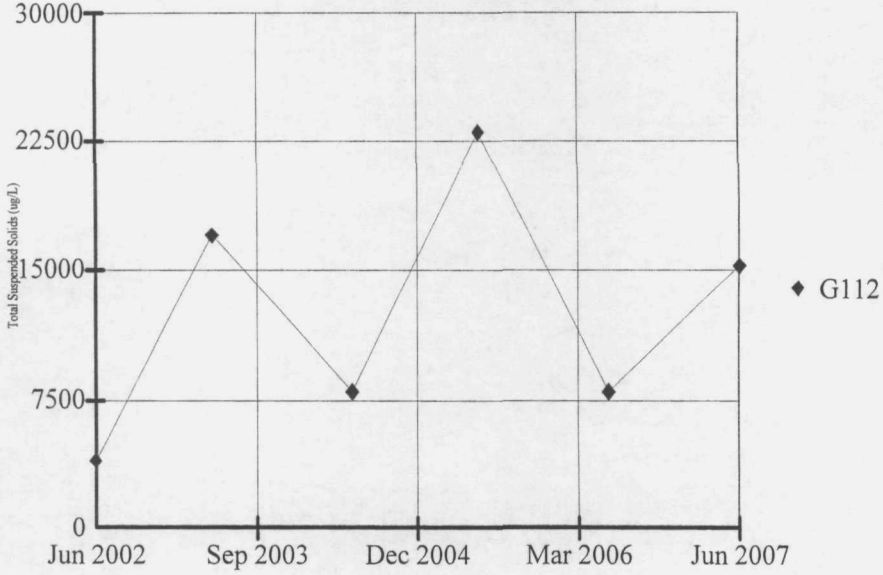
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 5:02 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

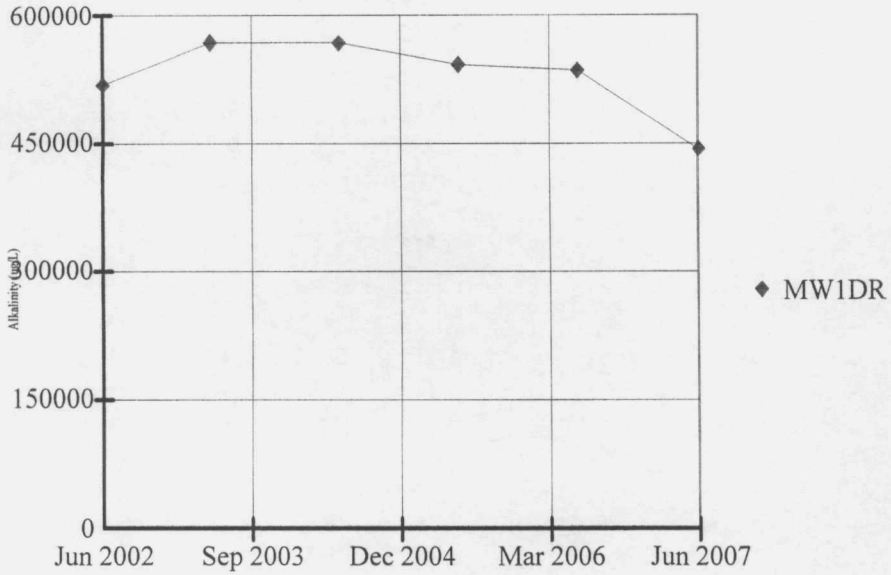
TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:02 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

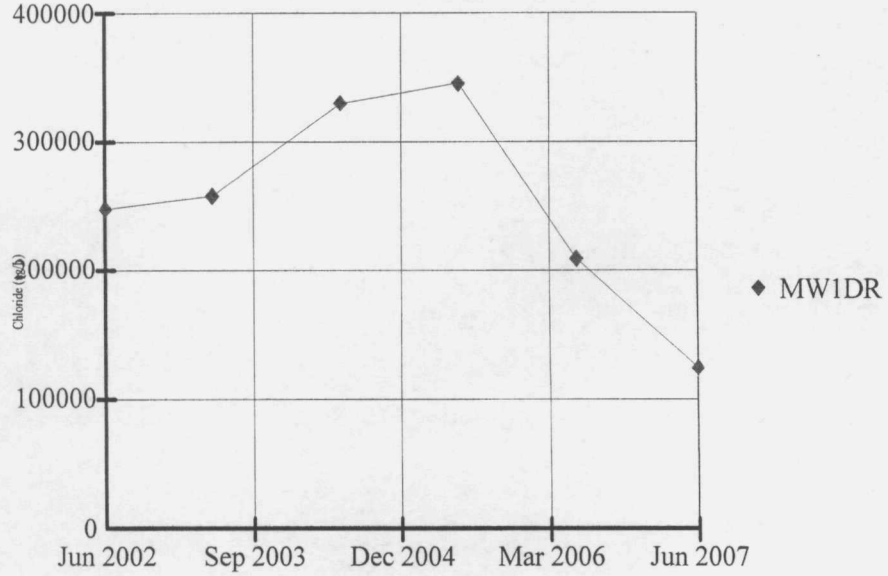
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 5:02 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

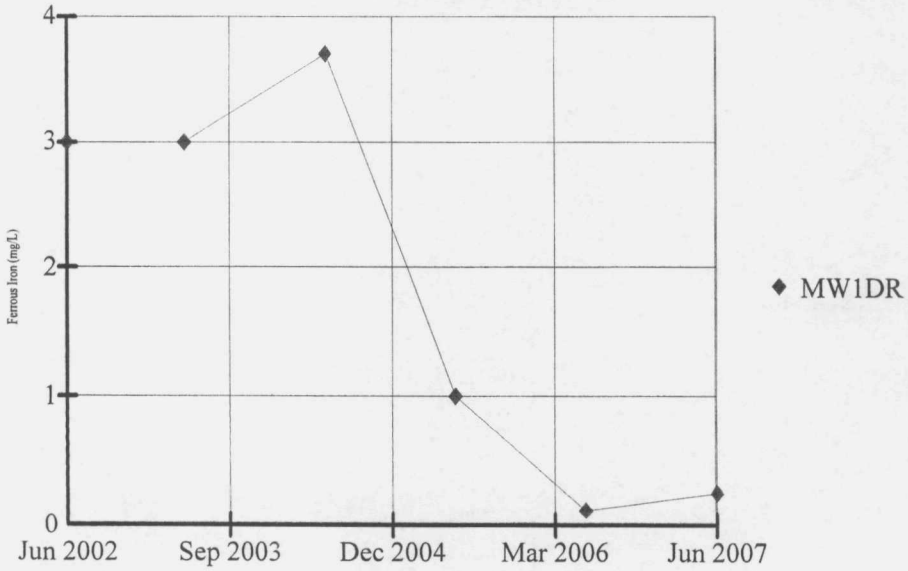
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:03 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

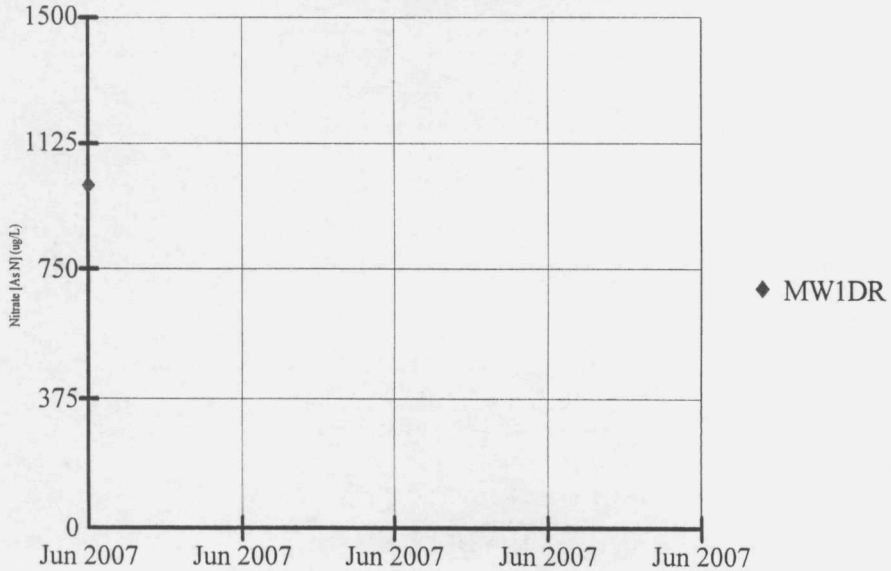
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 5:03 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

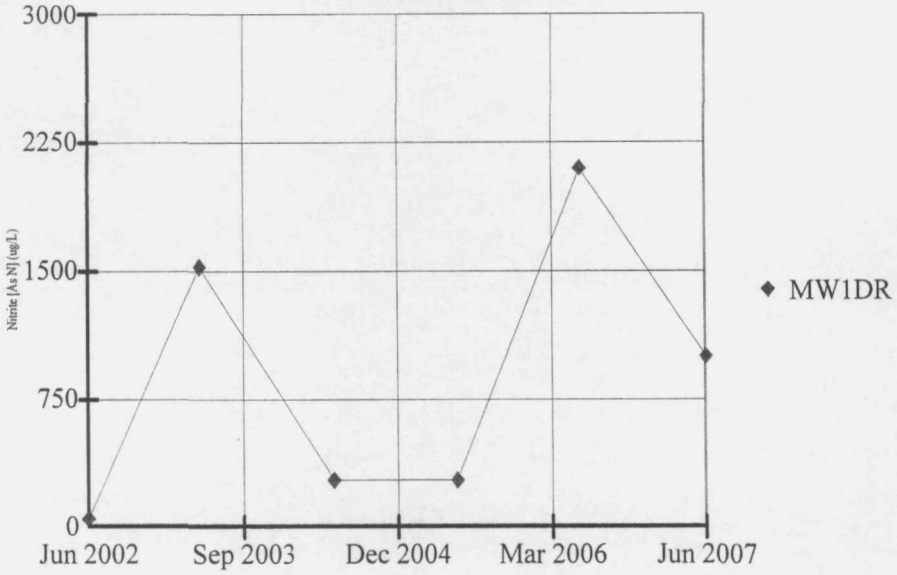
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:03 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

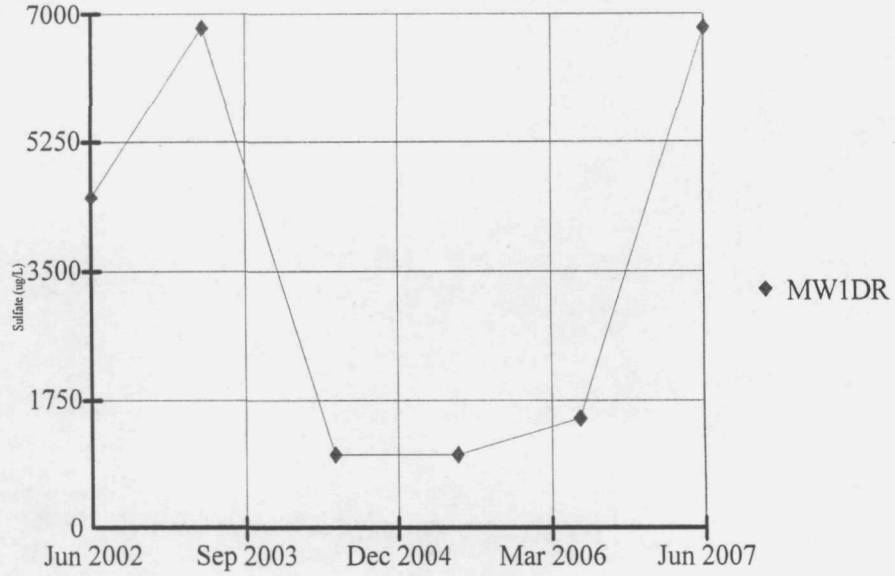
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:03 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

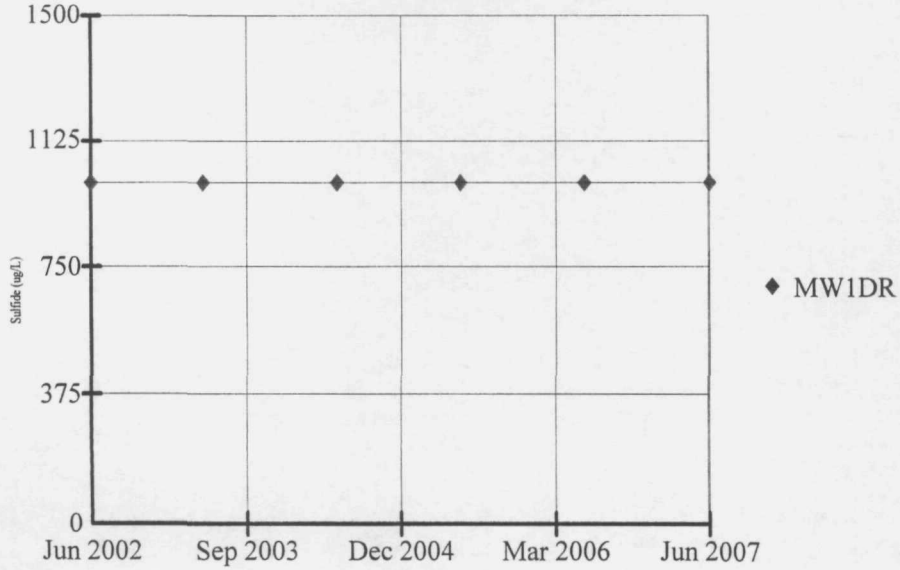
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:03 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

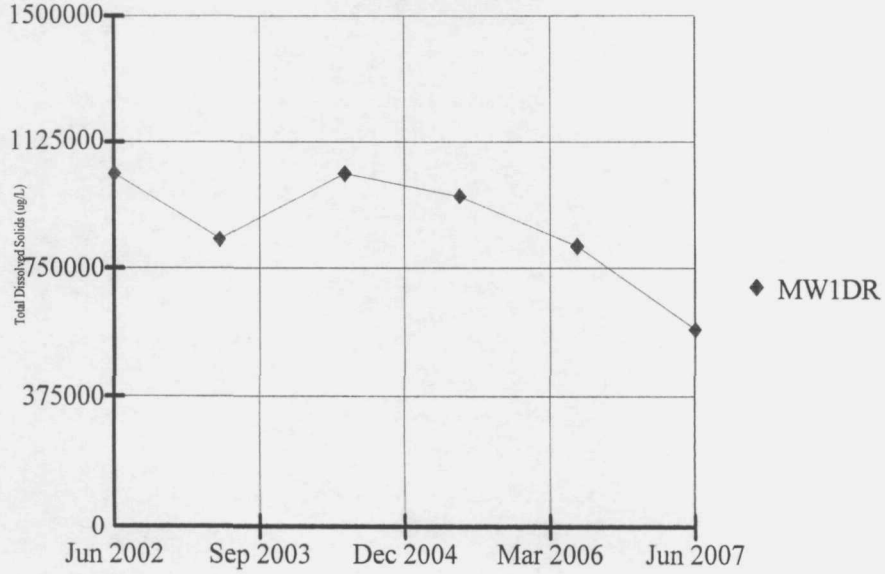
TIME SERIES



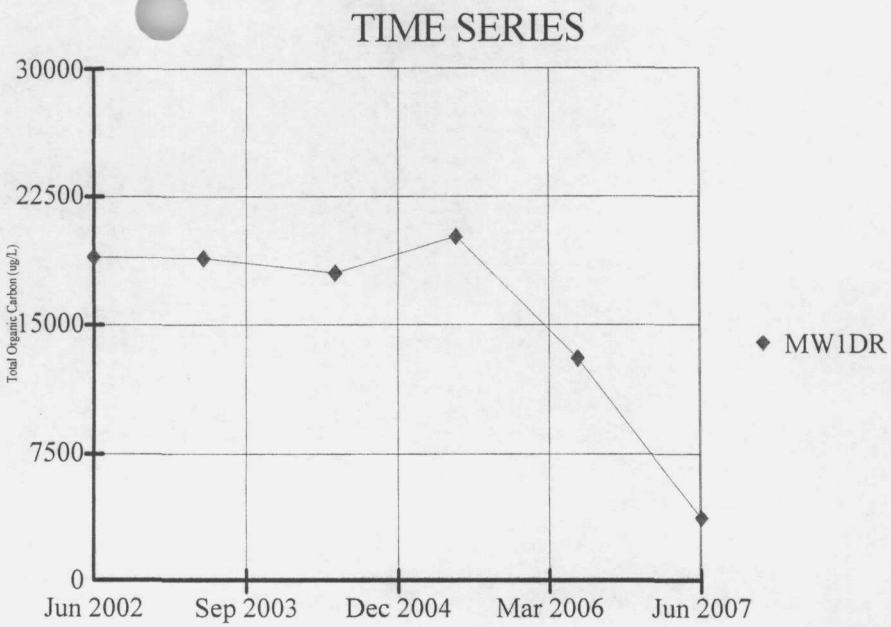
Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 5:03 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES

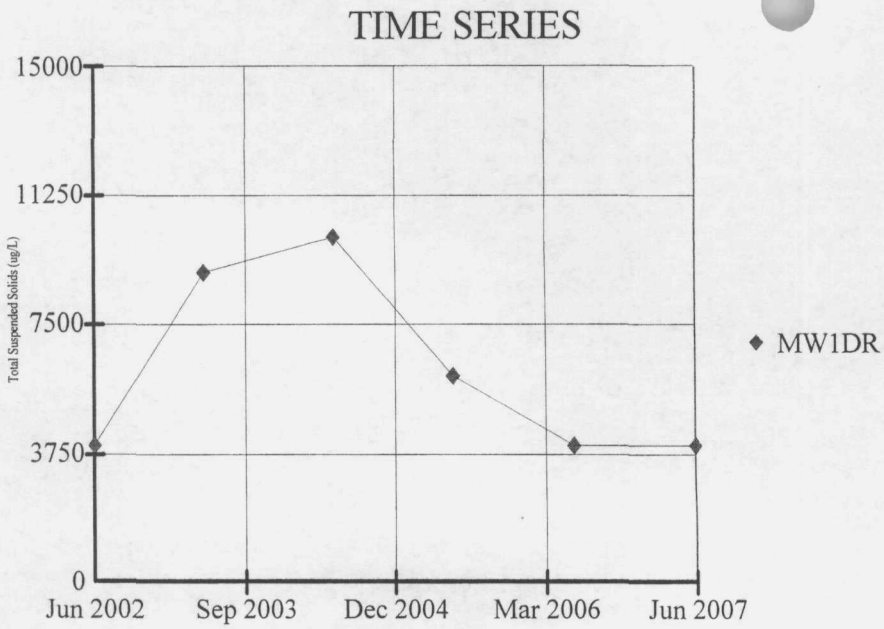


Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:03 PM Client: Shaw Environmental, Inc. View: _Batch_



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 5:03 PM Client: Shaw Environmental, Inc. View: _Batch_

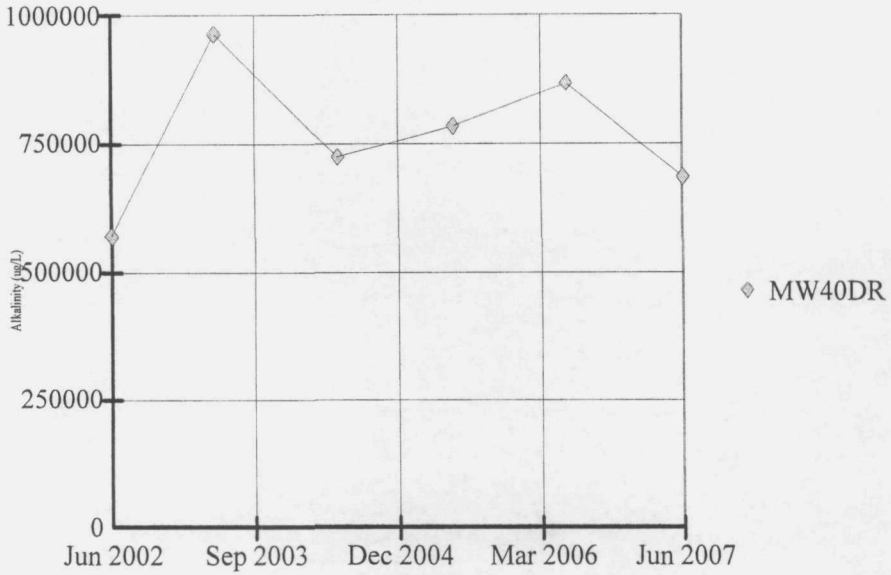
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:04 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

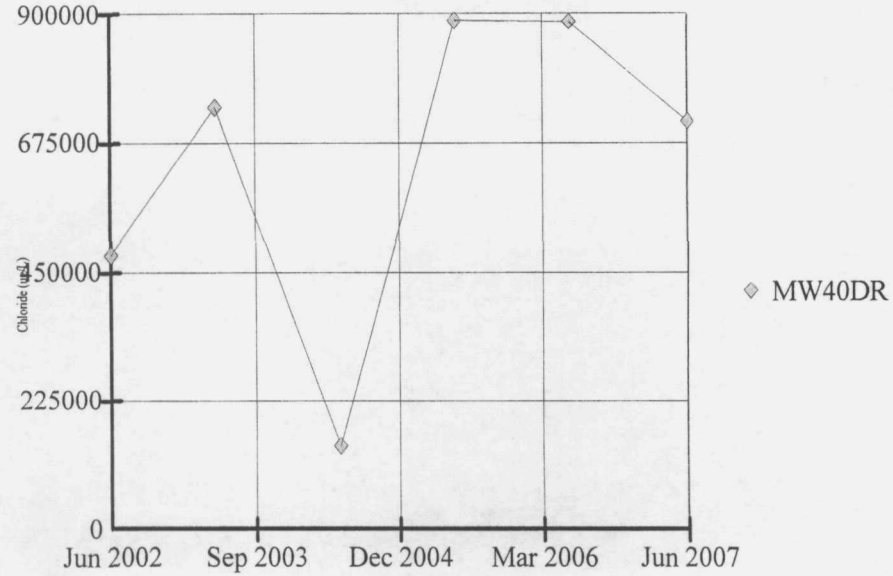
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 5:04 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

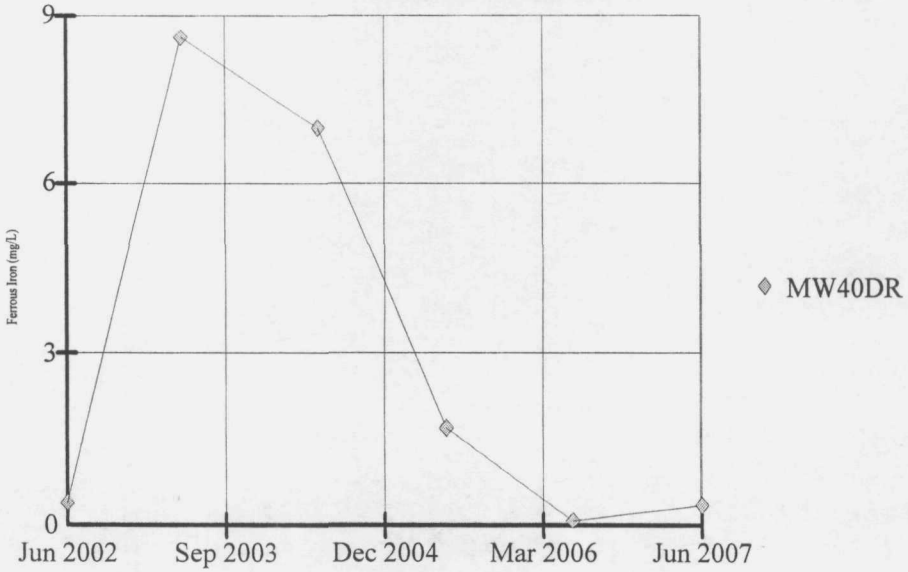
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:04 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

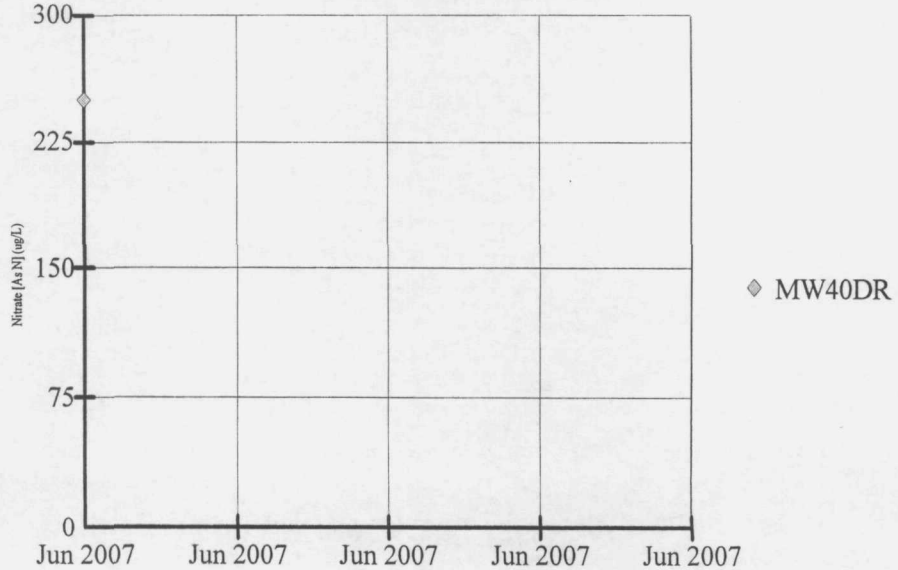
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 5:04 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:04 PM Client: Shaw Environmental, Inc. View: _Batch_

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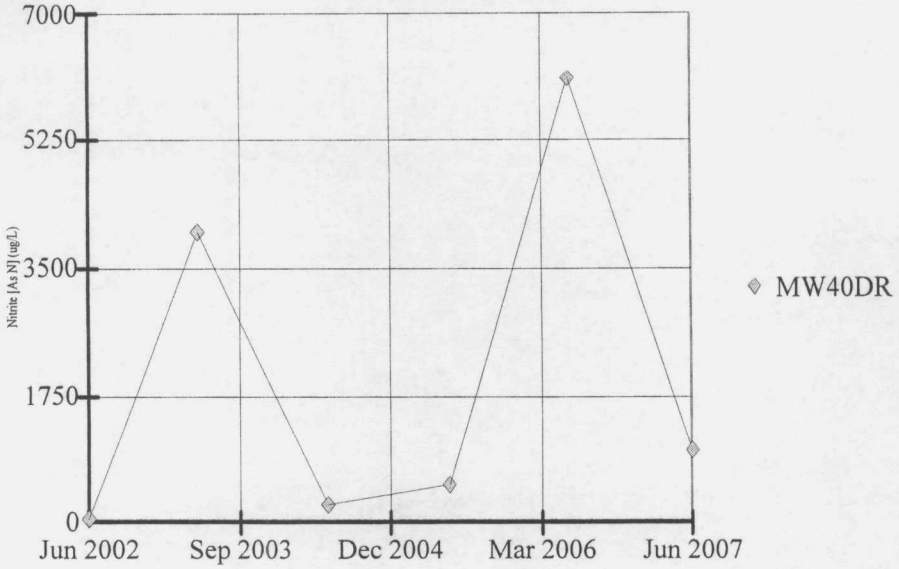
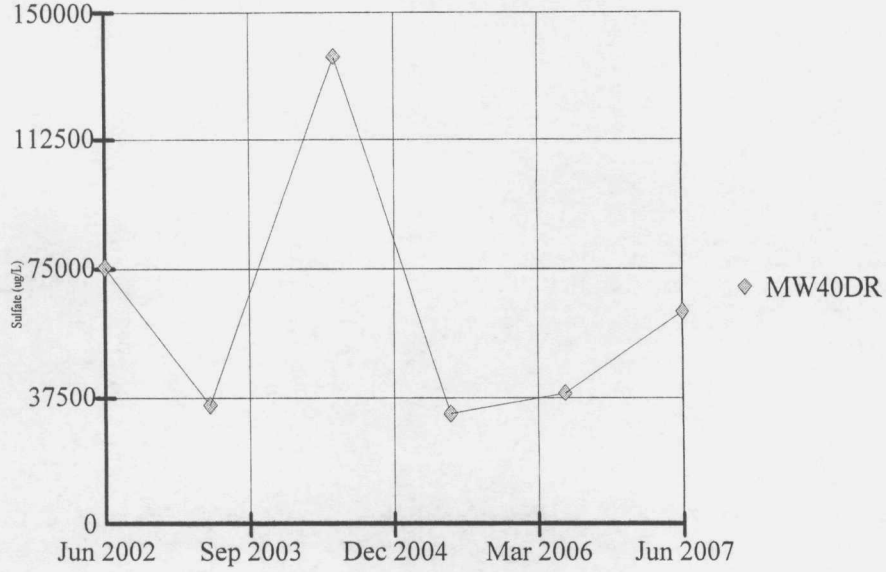
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:04 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

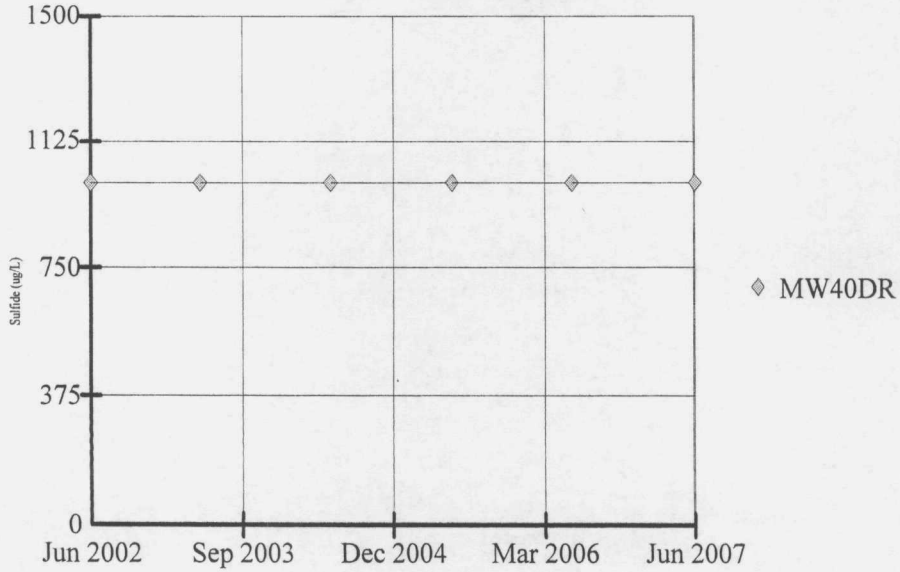
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:05 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

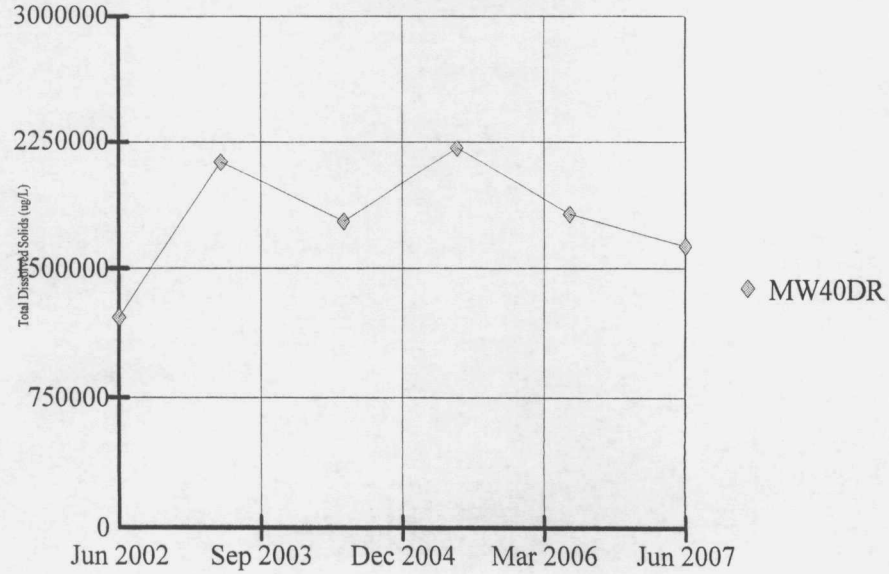
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 5:05 PM Client: Shaw Environmental, Inc. View: _Batch_

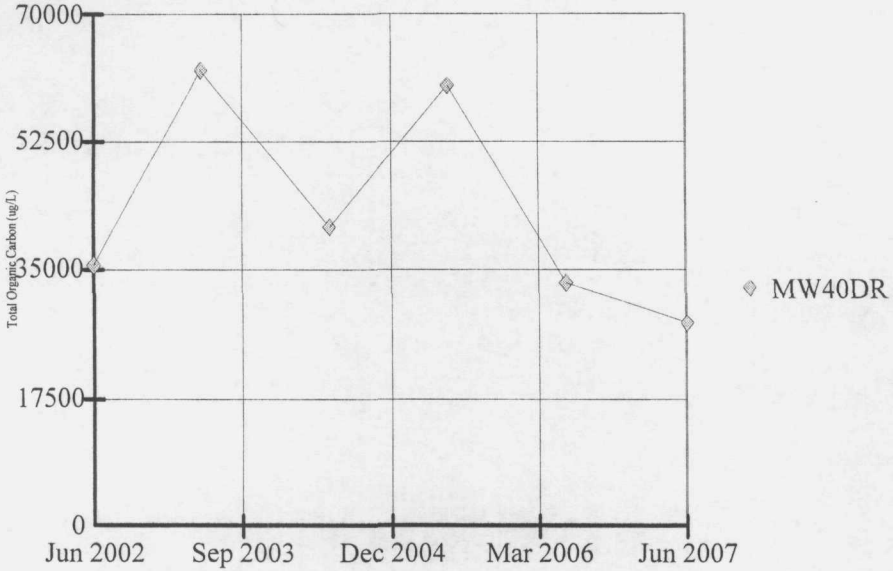
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:05 PM Client: Shaw Environmental, Inc. View: _Batch_

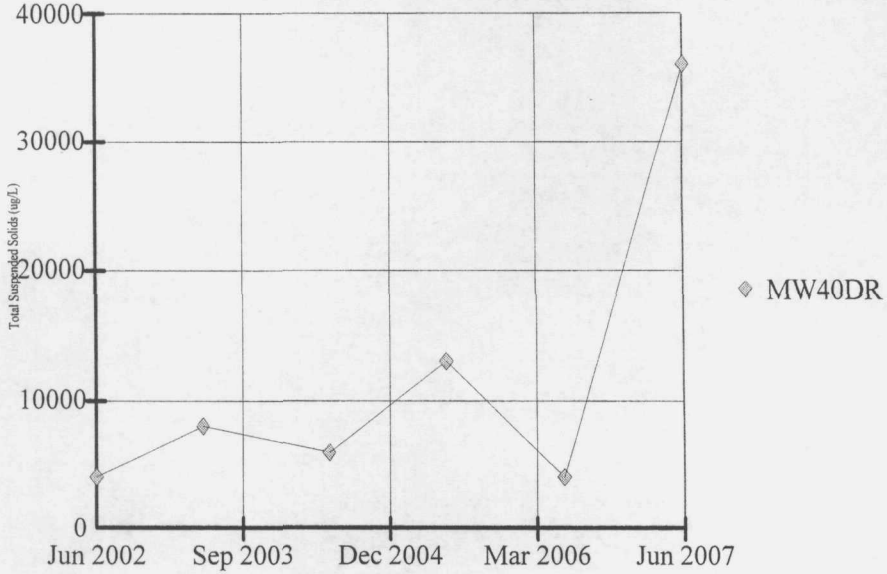
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 5:05 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:05 PM Client: Shaw Environmental, Inc. View: _Batch_

TRI-COUNTY LANDFILL
Deep Monitoring Wells - Analytical Data
JUNE 2007

Appendix F
June 2007

Tri-County Landfill
' ɒ Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	G112	Dissolved Oxygen (D.O.) (Field Test)	1.82	MG/L		NA	NA
6/19/2007	G112	Electrical Conductance (Field)	1463	UMHOS/CM		NA	NA
6/19/2007	G112	Field EH/ORP	-134.4	M.VOLTS		NA	NA
6/19/2007	G112	pH (Field)	7.12	S.U.		NA	6.5-9.0
6/19/2007	G112	Temperature, Field (°F)	56.1	°F		NA	NA
6/19/2007	G112	Turbidity	7.54	TEXT		NA	NA
6/19/2007	G112	Alkalinity, Total (As CaCO3)	514	MG/L		NA	NA
6/19/2007	G112	Chloride	28.4	MG/L		NA	200
6/19/2007	G112	Ferrous Iron	0.86	TEXT		NA	NA
6/19/2007	G112	Nitrate (As N)	1.0	MG/L-N	U	10	10
6/19/2007	G112	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/19/2007	G112	Sulfate	4.5	MG/L		NA	400
6/19/2007	G112	Sulfide	1000	UG/L	U	NA	NA
6/19/2007	G112	Total Dissolved Solids (TDS)	1100	MG/L		NA	1200
6/19/2007	G112	Total Organic Carbon (TOC)	15.1	MG/L		NA	NA
6/19/2007	G112	Total Suspended Solids (TSS)	15.2	MG/L		NA	NA

Appendix F
June 2007

Tri-County Landfill
p Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	MW1DR	Dissolved Oxygen (D.O.) (Field Test)	2.10	MG/L		NA	NA
6/20/2007	MW1DR	Electrical Conductance (Field)	860	UMHOS/CM		NA	NA
6/20/2007	MW1DR	Field EH/ORP	-154.1	M.VOLTS		NA	NA
6/20/2007	MW1DR	pH (Field)	7.49	S.U.		NA	6.5-9.0
6/20/2007	MW1DR	Temperature, Field (°F)	54.2	°F		NA	NA
6/20/2007	MW1DR	Turbidity	0.29	TEXT		NA	NA
6/20/2007	MW1DR	Alkalinity, Total (As CaCO3)	444	MG/L		NA	NA
6/20/2007	MW1DR	Chloride	124	MG/L		NA	200
6/20/2007	MW1DR	Ferrous Iron	0.25	TEXT		NA	NA
6/20/2007	MW1DR	Nitrate (As N)	1.0	MG/L-N	U	10	10
6/20/2007	MW1DR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/20/2007	MW1DR	Sulfate	6.8	MG/L		NA	400
6/20/2007	MW1DR	Sulfide	1000	UG/L	U	NA	NA
6/20/2007	MW1DR	Total Dissolved Solids (TDS)	571	MG/L		NA	1200
6/20/2007	MW1DR	Total Organic Carbon (TOC)	3.7	MG/L		NA	NA
6/20/2007	MW1DR	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/20/2007	MW1DR	1,1,1-Trichloroethane	1	ND	U	200	200
6/20/2007	MW1DR	1,1,2,2-Tetrachloroethane	1	ND	U	NA	NA
6/20/2007	MW1DR	1,1,2-Trichloroethane	1	ND	U	5	5
6/20/2007	MW1DR	1,1-Dichloroethane	1	ND	U	NA	NA
6/20/2007	MW1DR	1,1-Dichloroethene	1	ND	U	7	7
6/20/2007	MW1DR	1,2-Dichloroethane	1	ND	U	5	5
6/20/2007	MW1DR	1,2-Dichloropropane	1	ND	U	5	5
6/20/2007	MW1DR	2-Hexanone	10	ND	U	NA	NA
6/20/2007	MW1DR	Acetone	10	ND	U	NA	NA
0/2007	MW1DR	Benzene	1	ND	U	5	5
6/20/2007	MW1DR	Bromoform	1	ND	U	NA	NA
6/20/2007	MW1DR	Bromomethane	1	ND	U	NA	NA
6/20/2007	MW1DR	Carbon Disulfide	5	ND	U	NA	NA
6/20/2007	MW1DR	Carbon Tetrachloride	1	ND	U	5	5
6/20/2007	MW1DR	Chlorobenzene	1	ND	U	100	100
6/20/2007	MW1DR	Chloroethane	1	ND	U	NA	NA
6/20/2007	MW1DR	Chloroform	1	ND	U	NA	NA
6/20/2007	MW1DR	Chloromethane	1	ND	U	NA	NA
6/20/2007	MW1DR	cis-1,2-Dichloroethene	1	ND	U	70	70
6/20/2007	MW1DR	cis-1,3-Dichloropropene	1	ND	U	NA	NA
6/20/2007	MW1DR	Dibromochloromethane	1	ND	U	NA	NA
6/20/2007	MW1DR	Dichlorobromomethane	1	ND	U	NA	NA
6/20/2007	MW1DR	Ethylbenzene	1	ND	U	700	700
6/20/2007	MW1DR	Methyl Ethyl Ketone	10	ND	U	NA	NA
6/20/2007	MW1DR	Methyl Isobutyl Ketone	10	ND	U	NA	NA
6/20/2007	MW1DR	Methylene chloride	2	ND	U	5	5
6/20/2007	MW1DR	Styrene	1	ND	U	100	100
6/20/2007	MW1DR	Tetrachloroethene	1	ND	U	5	5
6/20/2007	MW1DR	Toluene	1	ND	U	1000	1000
6/20/2007	MW1DR	Total Xylenes	3	ND	U	10000	10000
6/20/2007	MW1DR	trans-1,2-Dichloroethene	1	ND	U	100	100
6/20/2007	MW1DR	trans-1,3-Dichloropropene	1	ND	U	NA	NA
6/20/2007	MW1DR	Trichloroethene	1	ND	U	5	5
6/20/2007	MW1DR	Vinyl chloride	1	ND	U	2	2

Appendix F
June 2007

Tri-County Landfill
[illegible]p Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	MW40DR	Dissolved Oxygen (D.O.) (Field Test)	1.37	MG/L		NA	NA
6/19/2007	MW40DR	Electrical Conductance (Field)	2240	UMHOS/CM		NA	NA
6/19/2007	MW40DR	Field EH/ORP	-160.2	M.VOLTS		NA	NA
6/19/2007	MW40DR	pH (Field)	6.97	S.U.		NA	6.5-9.0
6/19/2007	MW40DR	Temperature, Field (°F)	55.1	°F		NA	NA
6/19/2007	MW40DR	Turbidity	9.90	TEXT		NA	NA
6/19/2007	MW40DR	Alkalinity, Total (As CaCO3)	684	MG/L		NA	NA
6/19/2007	**MW40DR**	**Chloride**	**712**	**MG/L**		**NA**	**200**
6/19/2007	MW40DR	Ferrous Iron	0.37	TEXT		NA	NA
6/19/2007	MW40DR	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/19/2007	MW40DR	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/19/2007	MW40DR	Sulfate	62.5	MG/L		NA	400
6/19/2007	MW40DR	Sulfide	1000	UG/L	U	NA	NA
6/19/2007	**MW40DR**	**Total Dissolved Solids (TDS)**	**1630**	**MG/L**		**NA**	**1200**
6/19/2007	MW40DR	Total Organic Carbon (TOC)	27.7	MG/L		NA	NA
6/19/2007	MW40DR	Total Suspended Solids (TSS)	36.0	MG/L		NA	NA
6/19/2007	MW40DR	Aluminum, Total	33.4	UG/L		NA	NA
6/19/2007	MW40DR	Antimony, Total	6.0	UG/L	U	6	6
6/19/2007	MW40DR	Arsenic, Total	38.6	UG/L		50	50
6/19/2007	MW40DR	Barium, Total	632	UG/L		2000	2000
6/19/2007	MW40DR	Beryllium, Total	1.0	UG/L	U	4	4
6/19/2007	MW40DR	Cadmium, Total	1.0	UG/L	U	5	5
6/19/2007	MW40DR	Calcium, Total	162000	UG/L		NA	NA
6/19/2007	MW40DR	Chromium, Total	4.7	UG/L		100	100
6/19/2007	MW40DR	Cobalt, Total	3.0	UG/L	U	NA	1000
[illegible]9/2007	MW40DR	Copper, Total	4.0	UG/L	U	1300	650
6/19/2007	MW40DR	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/19/2007	**MW40DR**	**Iron, Total**	**15600**	**UG/L**		**NA**	**5000**
6/19/2007	MW40DR	Lead, Total	5.0	UG/L	U	15	7.5
6/19/2007	MW40DR	Magnesium, Total	121000	UG/L		NA	NA
6/19/2007	MW40DR	Manganese, Total	151	UG/L		NA	150
6/19/2007	MW40DR	Mercury, Total	0.400	UG/L	U	2	2
6/19/2007	MW40DR	Nickel, Total	42.9	UG/L		NA	100
6/19/2007	MW40DR	Potassium, Total	19400	UG/L		NA	NA
6/19/2007	MW40DR	Selenium, Total	10.0	UG/L	U	50	50
6/19/2007	MW40DR	Silver, Total	4.0	UG/L	U	NA	50
6/19/2007	MW40DR	Sodium, Total	241000	UG/L		NA	NA
6/19/2007	MW40DR	Thallium, Total	2.00	UG/L	U	2	2
6/19/2007	MW40DR	Vanadium, Total	3.0	UG/L	U	NA	NA
6/19/2007	MW40DR	Zinc, Total	5.0	UG/L	U	NA	5000
6/19/2007	MW40DR	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	MW40DR	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	MW40DR	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	MW40DR	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	MW40DR	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	MW40DR	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Acetone	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Benzene	ND	UG/L	U	5	5
6/19/2007	MW40DR	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Bromomethane	ND	UG/L	U	NA	NA
[illegible]19/2007	MW40DR	Carbon Disulfide	ND	UG/L	U	NA	NA
[illegible]/2007	MW40DR	Carbon Tetrachloride	ND	UG/L	U	5	5

Appendix F
June 2007

Tri-County Landfill
p Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	MW40DR	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	MW40DR	Chloroethane	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	MW40DR	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	MW40DR	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	MW40DR	Styrene	ND	UG/L	U	100	100
6/19/2007	MW40DR	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	MW40DR	Toluene	ND	UG/L	U	1000	1000
6/19/2007	MW40DR	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	MW40DR	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	MW40DR	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	MW40DR	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	MW40DR	Vinyl chloride	ND	UG/L	U	2	2

APPENDIX G

TRI-COUNTY LANDFILL
PRIVATE MONITORING WELLS ANALYTICAL DATA
JUNE 2007

Tri-County Landfill
r ate Monitoring Wells
Exceedences of Class I GWQS and MCL Limits
June 2007

Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/21/2007	PW07	Chloride	506	MG/L		NA	200
6/21/2007	PW23	Chloride	277	MG/L		NA	200

Notes:
Class I GWQS = Class I Groundwater Quality Standard
MCL = Federal Safe Drinking Water Act Maximum Contaminant Levels

Tri-County Landfill
r ate Monitoring Wells
Organic Exceedences
June 2007

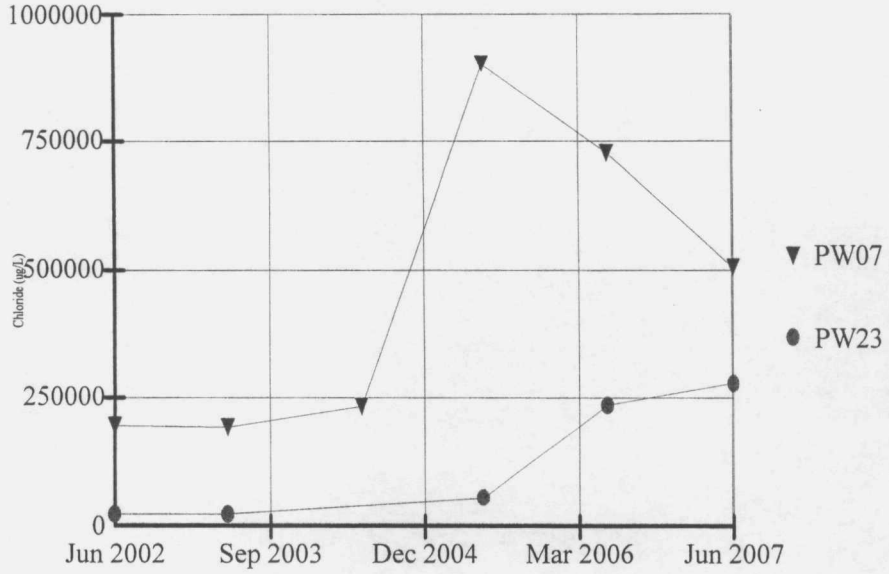
Sample Date	Well I.D.	Parameter	Result	Units	Qualifier	MCL	Class I GWQS
6/21/2007	PW07	Chloroethane	3	UG/L		NA	NA

Notes:
Class I GWQS = Class I Groundwater Quality Standard
MCL = Federal Safe Drinking Water Act Maximum Contaminant Levels

Private Monitoring Wells

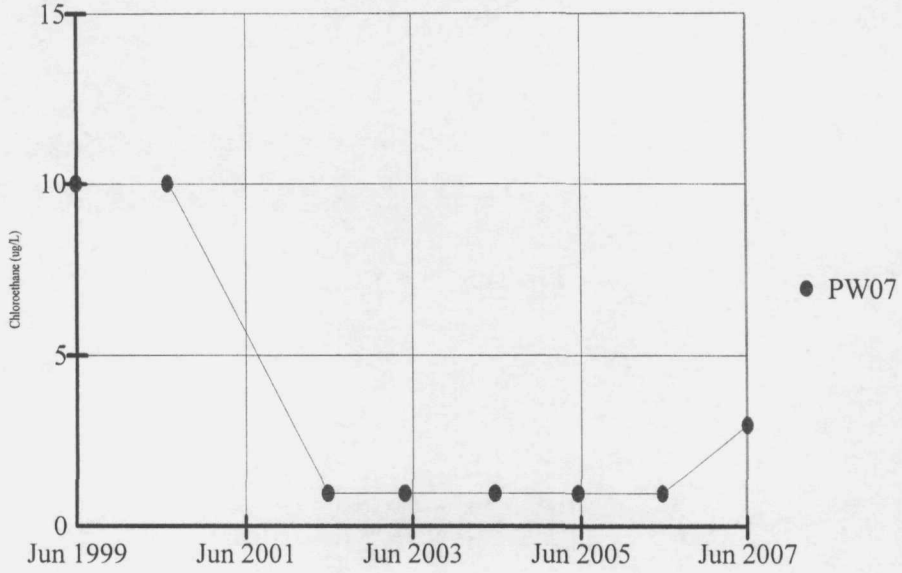
TRI-COUNTY LANDFILL
Time Trend Graphs - Detected Parameters
JUNE 2007

TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:37 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES

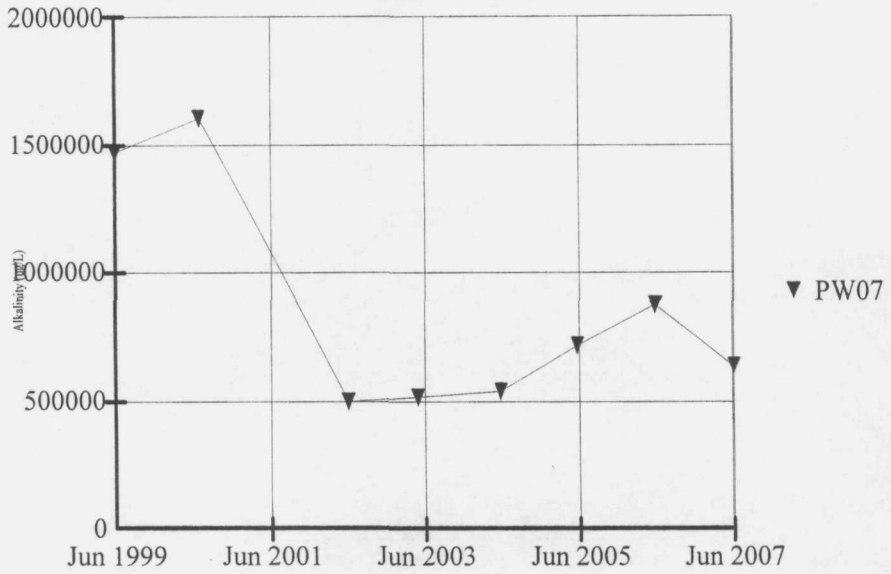


Constituent: Chloroethane (ug/L) Data File: VOC test
Date: 11/19/07, 5:35 PM Client: Shaw Environmental, Inc. View: _Batch_

Private Monitoring Wells

TRI-COUNTY LANDFILL
Time Trend Graphs - Indicator Parameters
JUNE 2007

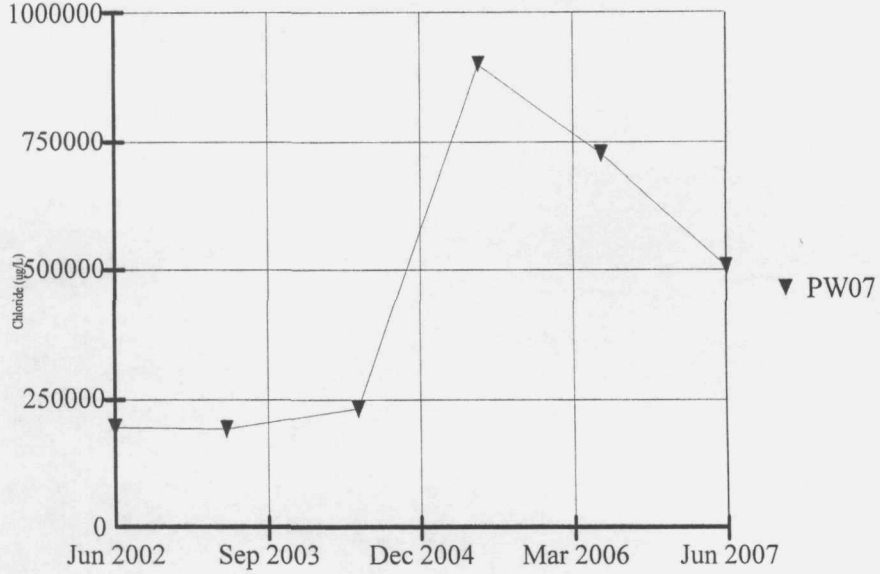
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 5:05 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



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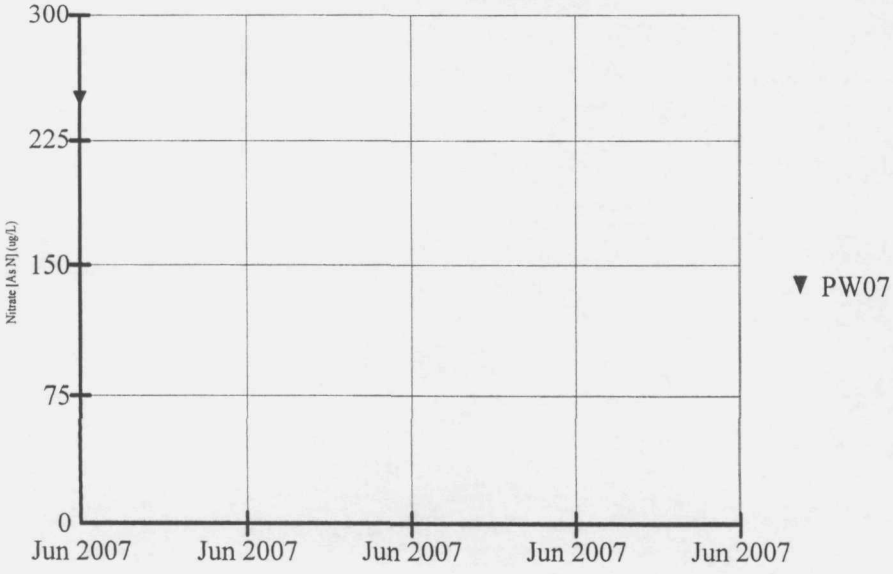
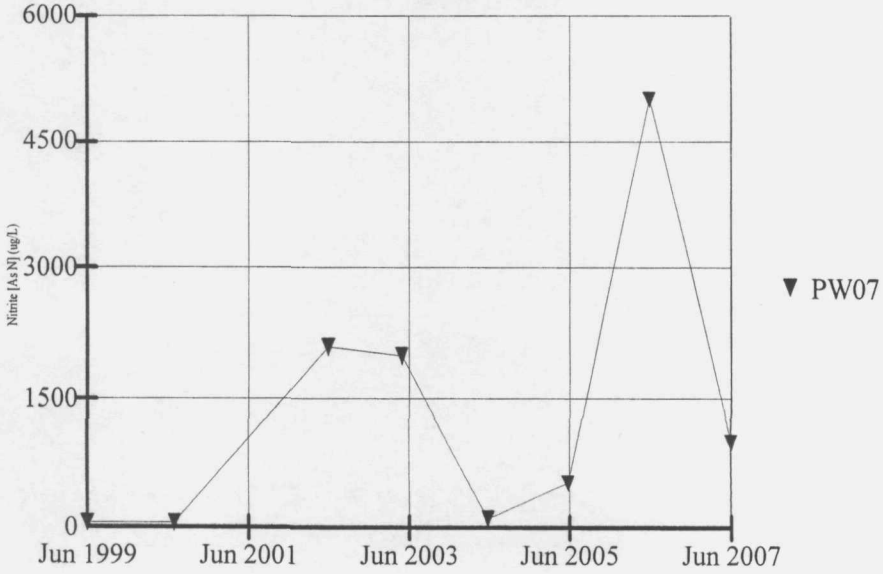


Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:06 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

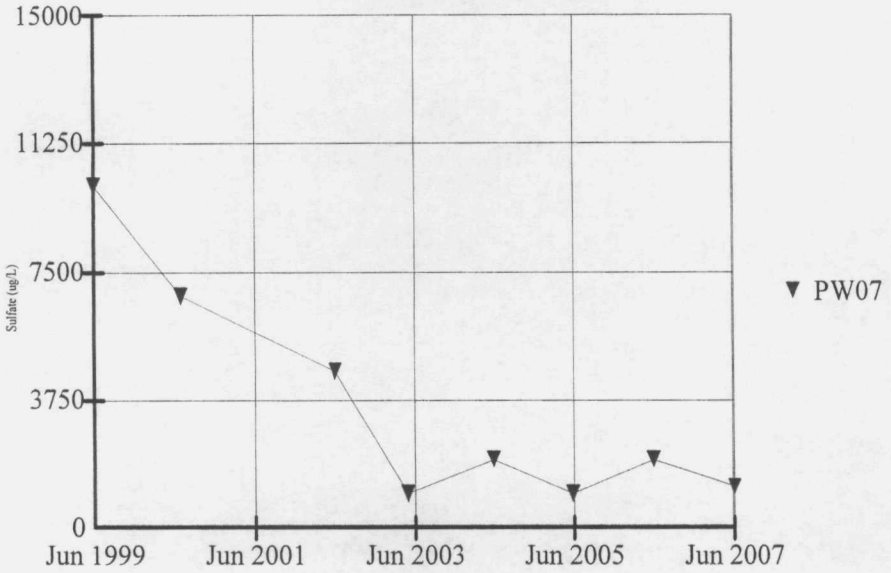
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:06 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

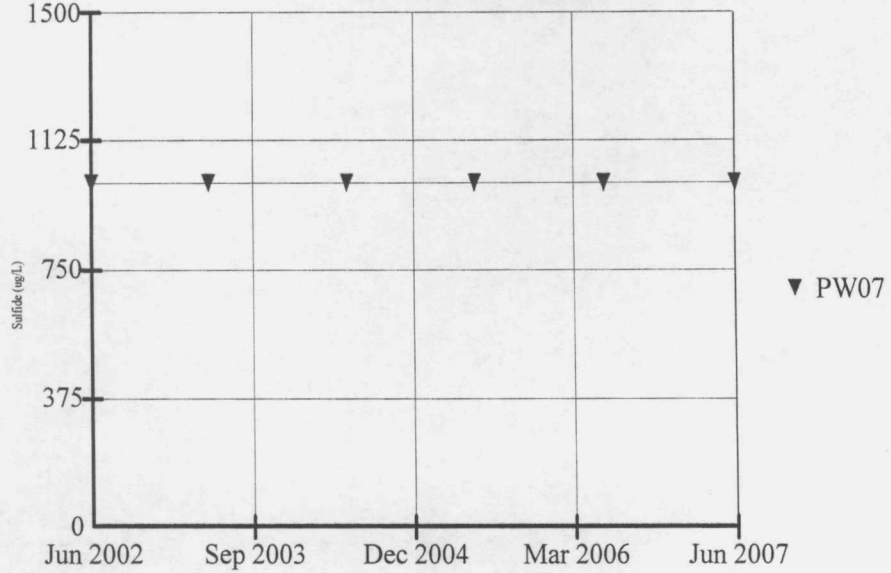
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:06 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

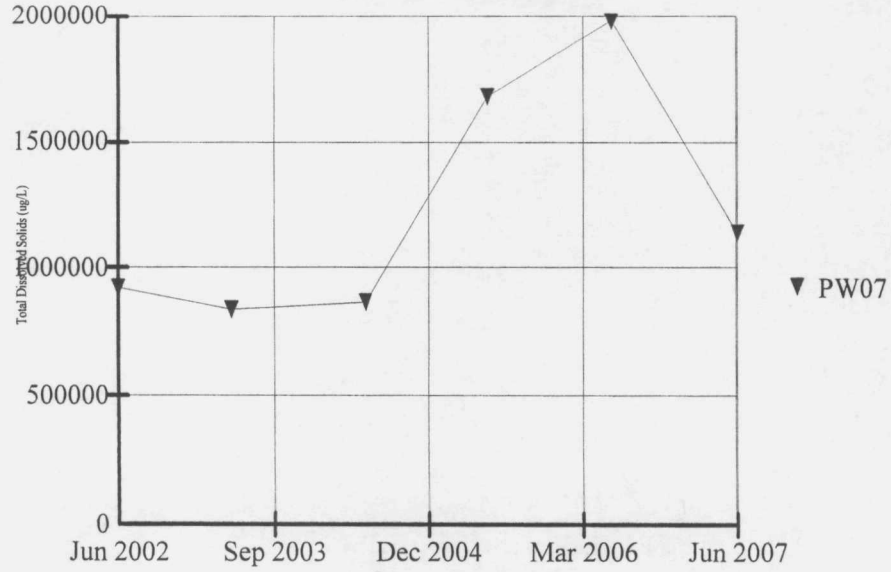
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 5:06 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

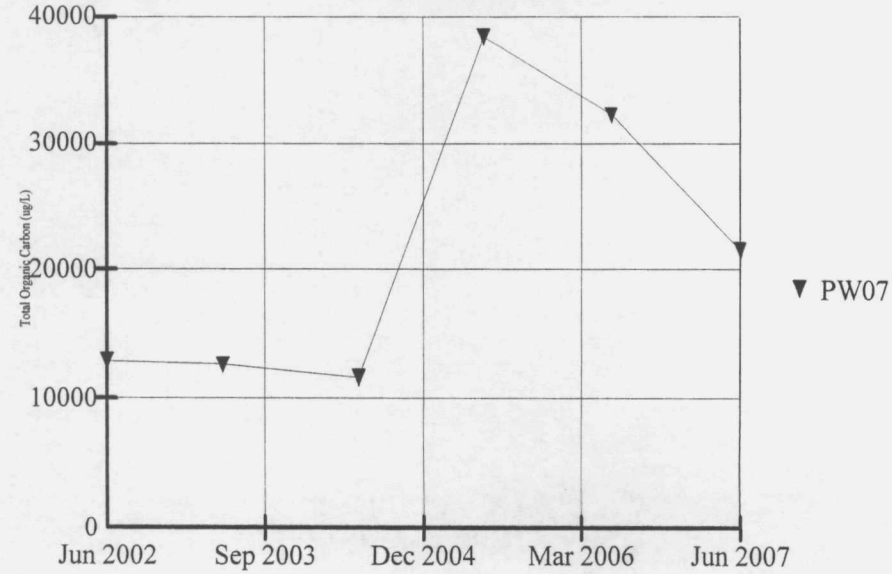
TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:06 PM Client: Shaw Environmental, Inc. View: _Batch_

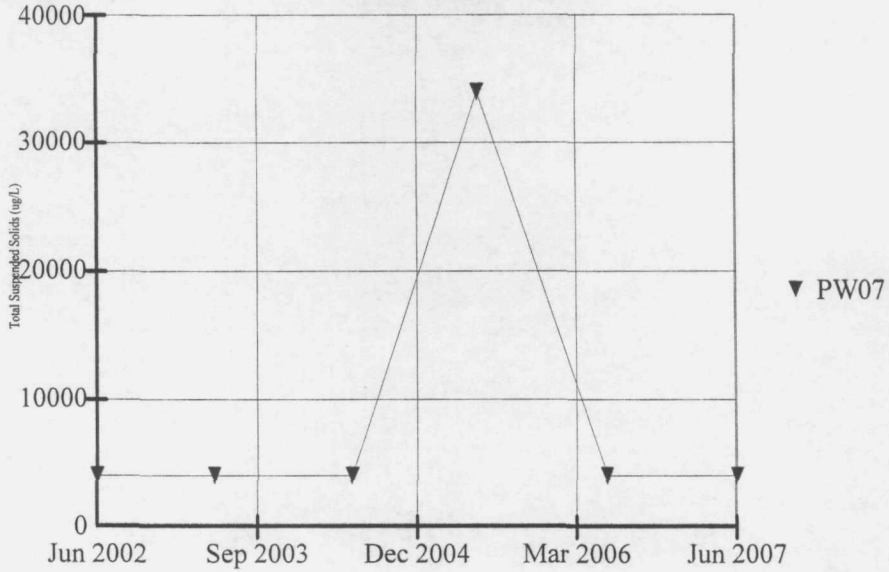
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



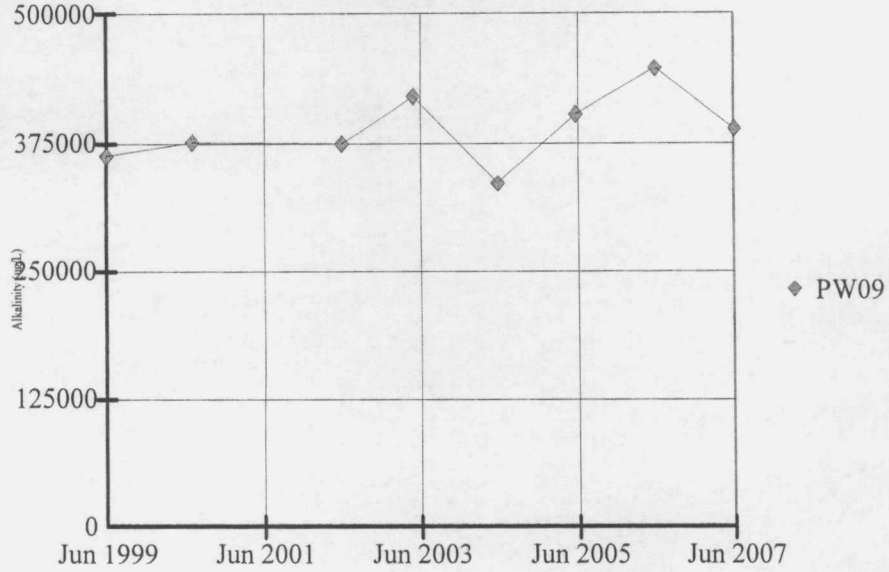
Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 5:06 PM Client: Shaw Environmental, Inc. View: _Batch_

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:07 PM Client: Shaw Environmental, Inc. View: _Batch_

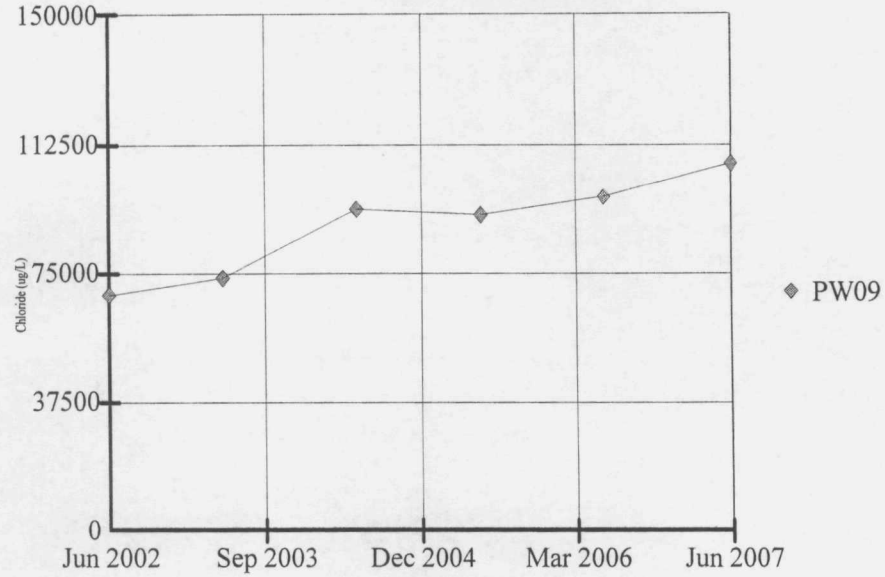
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 5:07 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

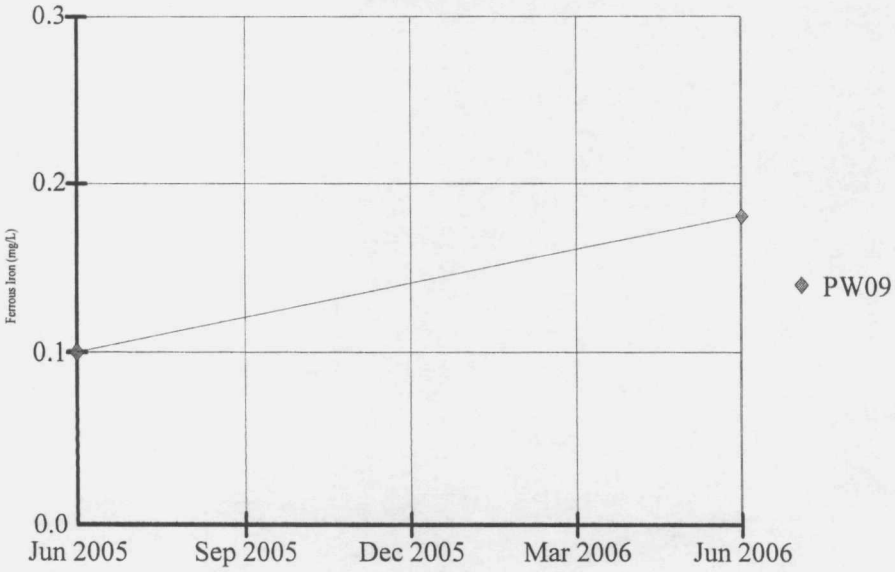
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:07 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
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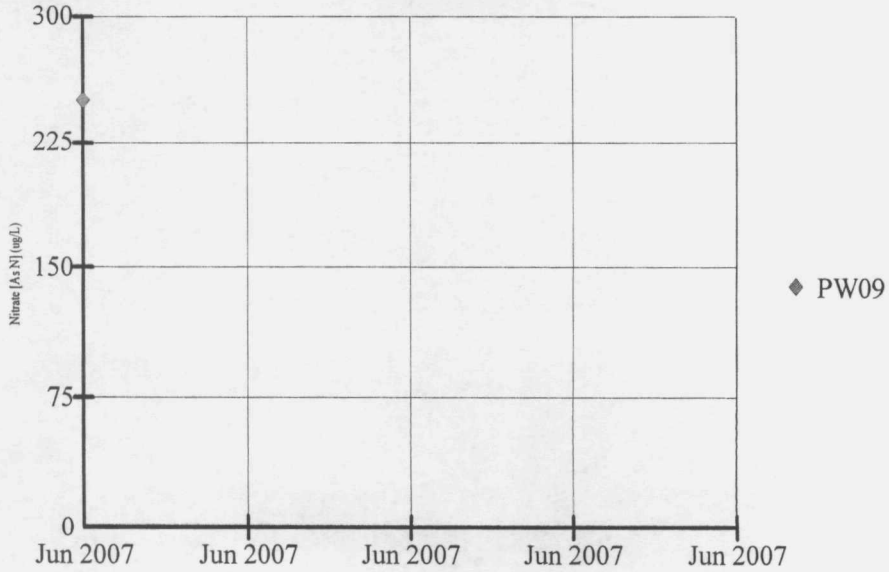
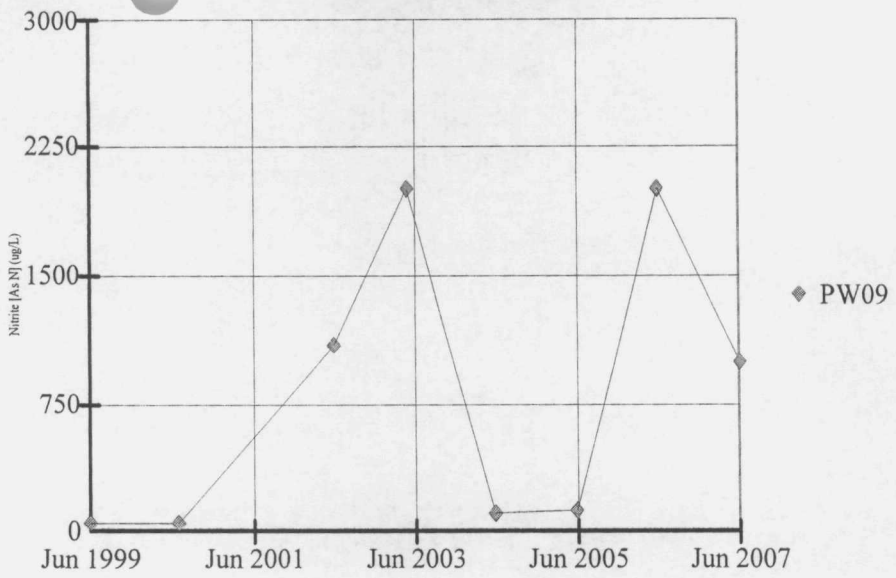
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:08 PM Client: Shaw Environmental, Inc. View: _Batch_

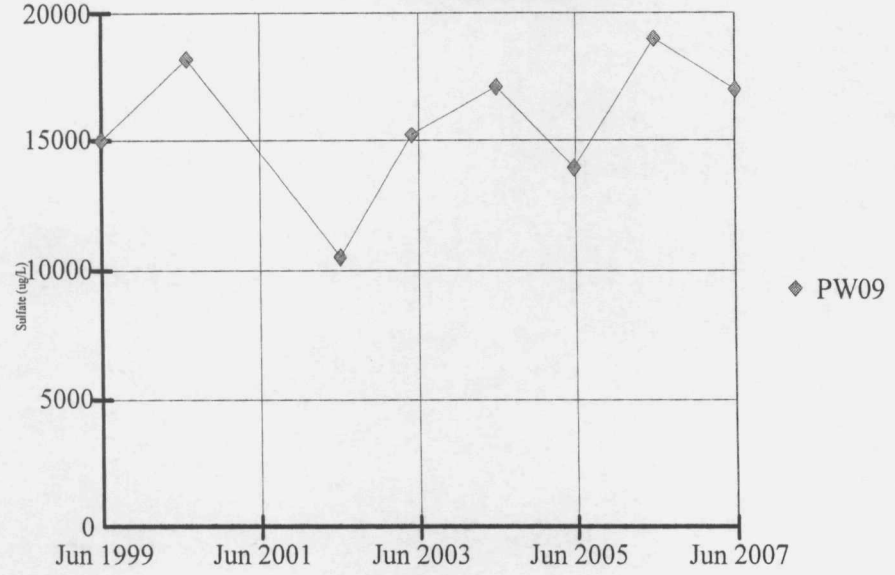
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:08 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:08 PM Client: Shaw Environmental, Inc. View: _Batch_

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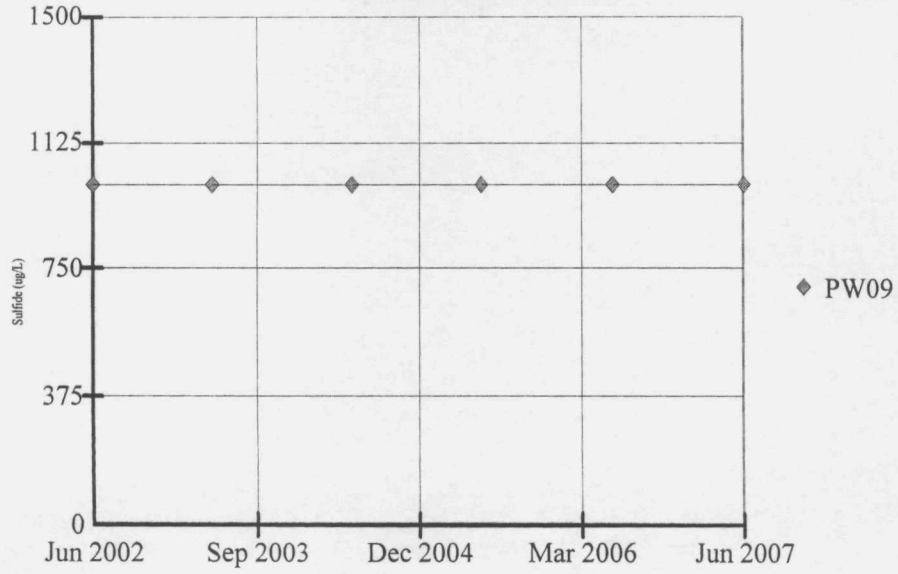
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 5:08 PM Client: Shaw Environmental, Inc. View: _Batch_

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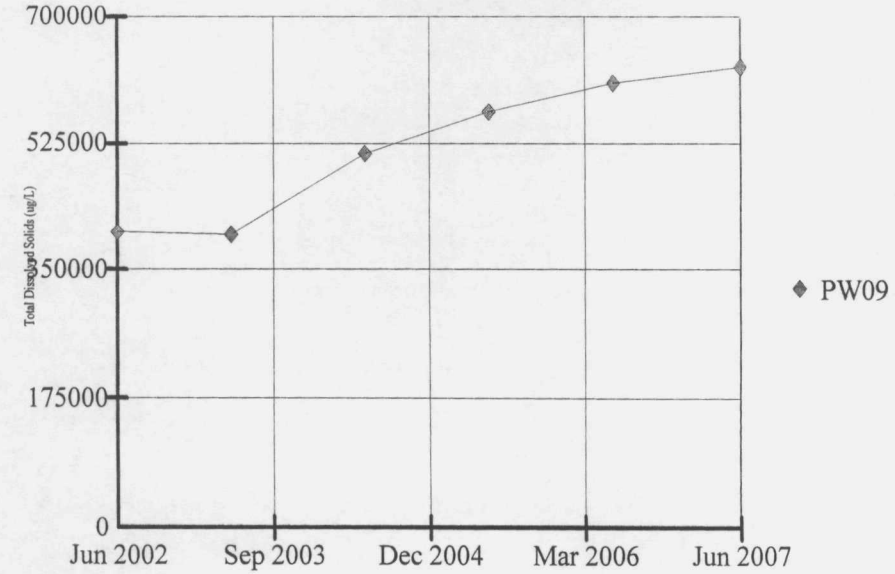
TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
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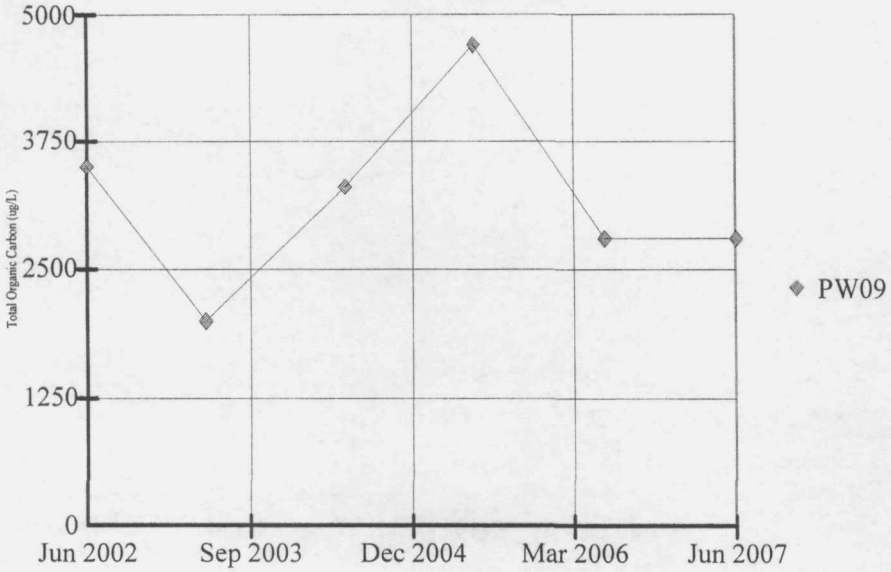
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
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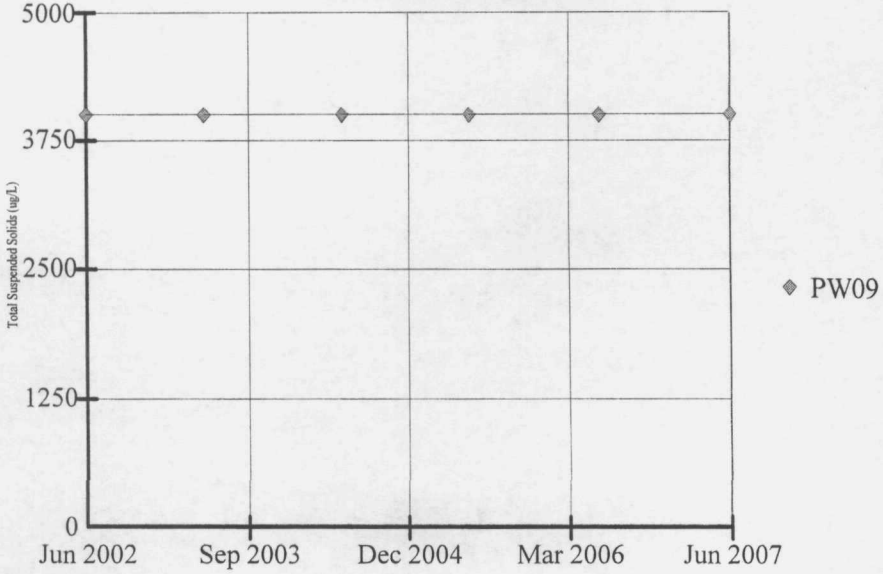
TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
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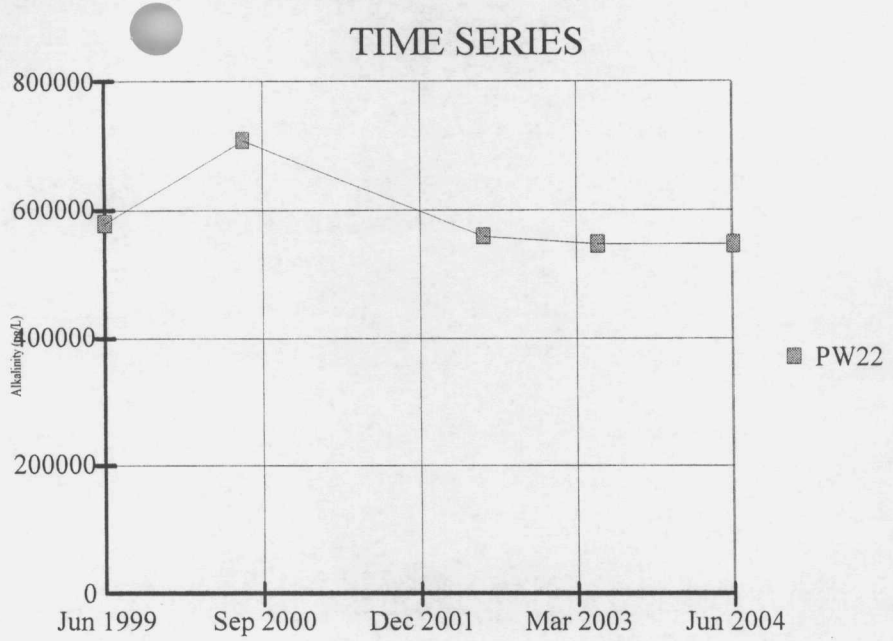

Constituent: Alkalinity (ug/L) Data File: metals test
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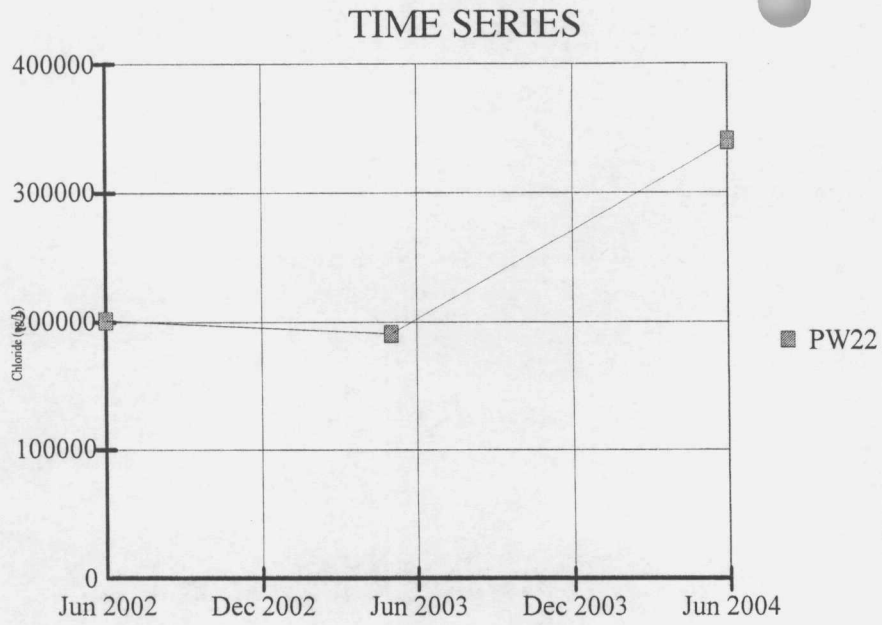
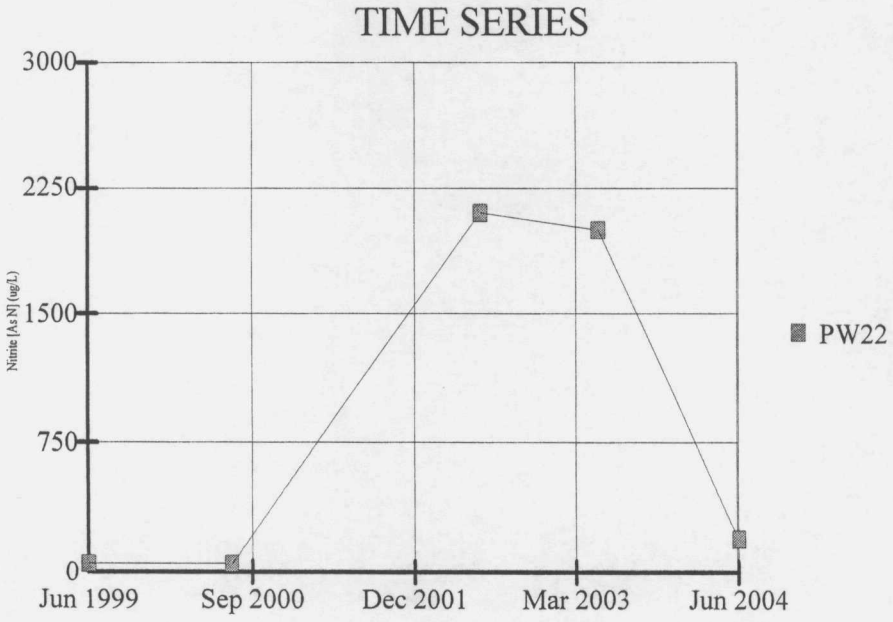


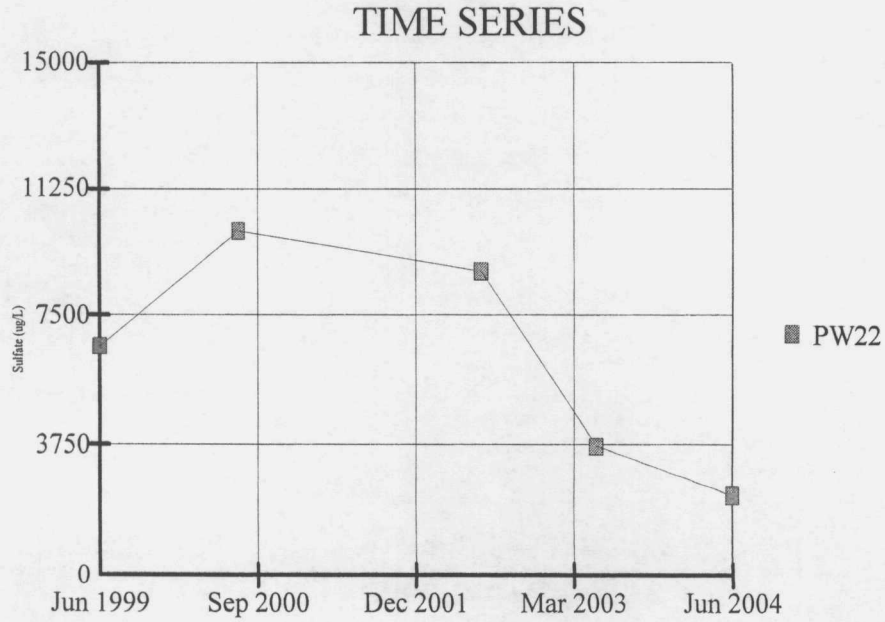
Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:09 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:09 PM Client: Shaw Environmental, Inc. View: _Batch_

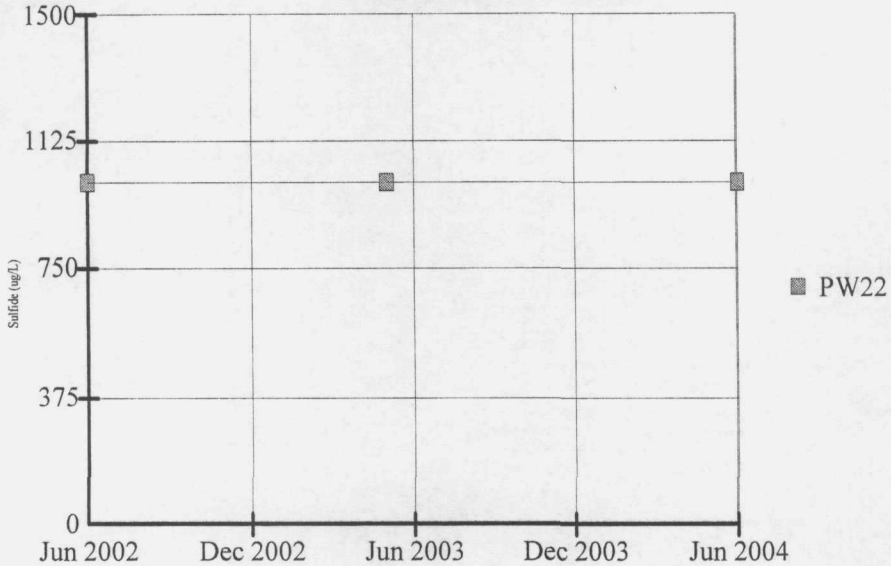
v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:09 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



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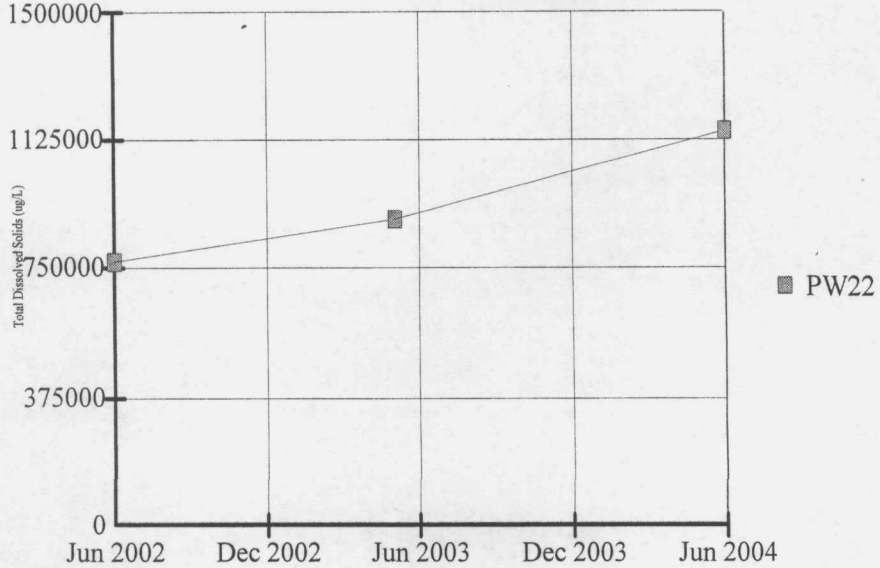
TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
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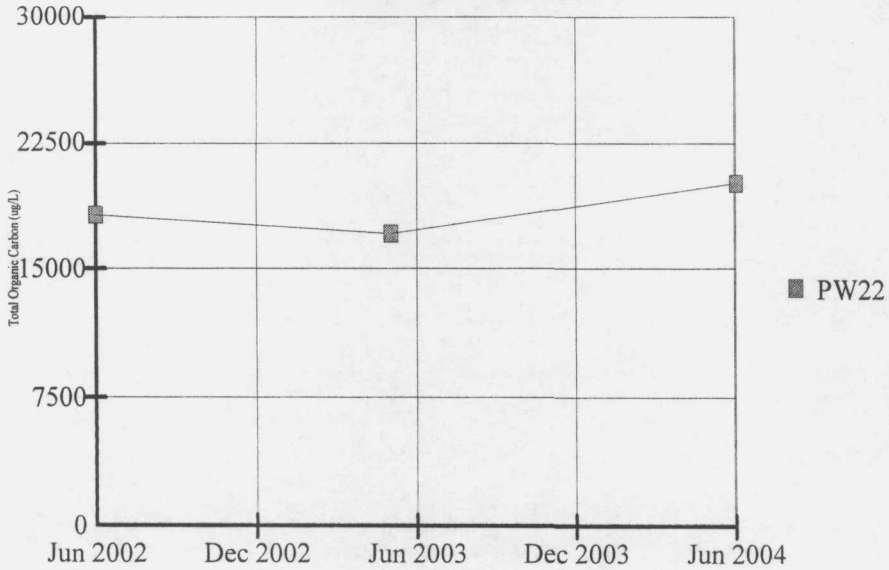
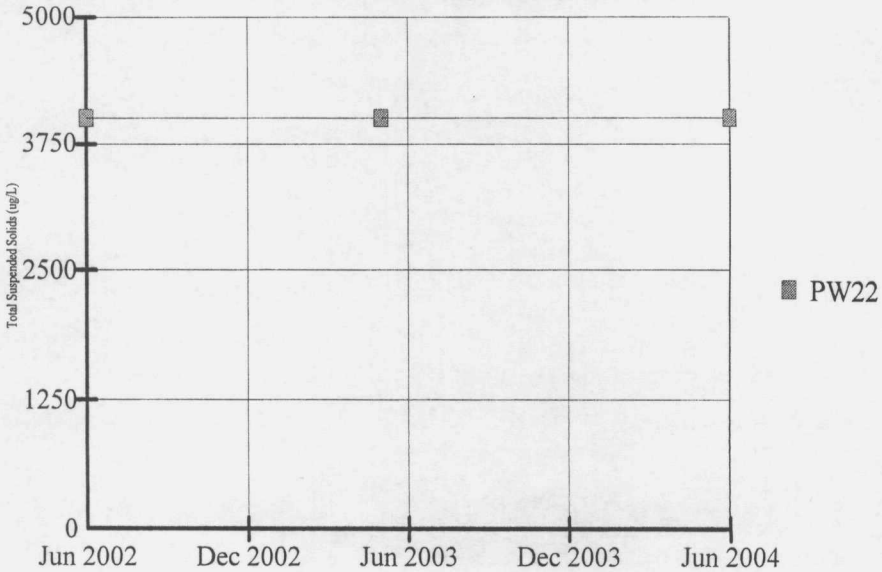
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 5:10 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

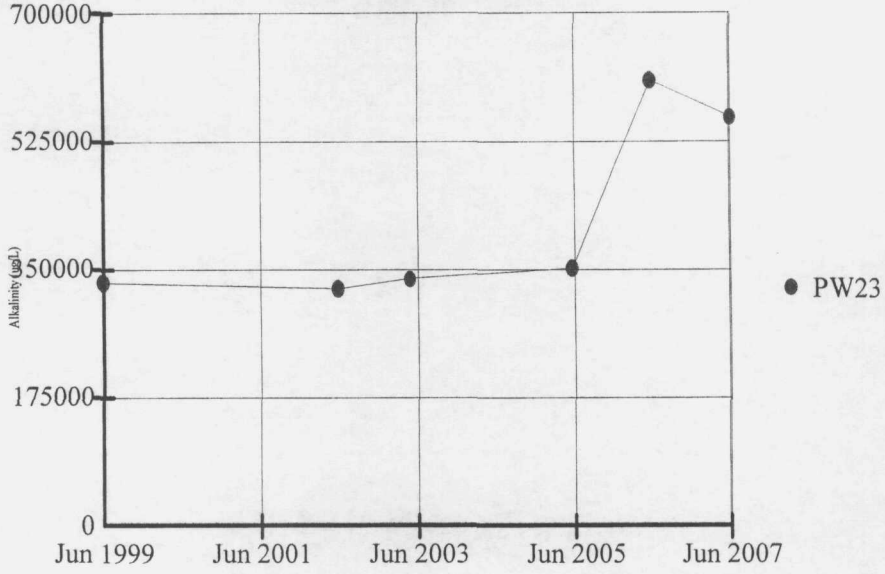
TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:10 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

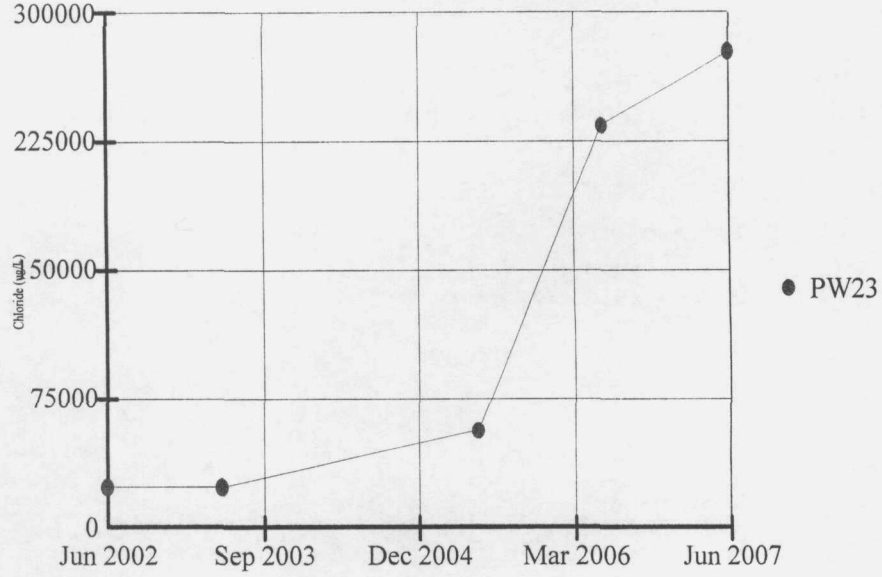
TIME SERIES



Constituent: Alkalinity (ug/L) Data File: metals test
Date: 11/19/07, 5:10 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

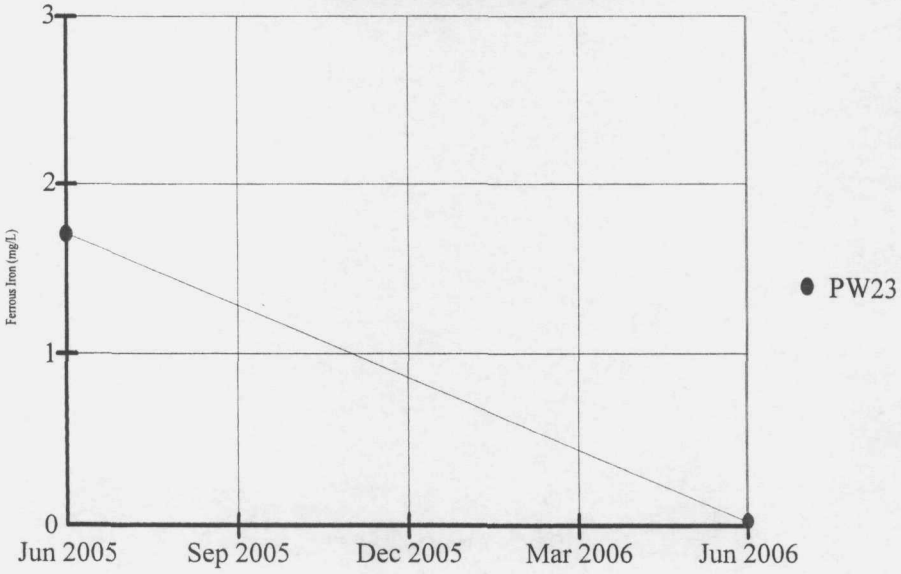
TIME SERIES



Constituent: Chloride (ug/L) Data File: metals test
Date: 11/19/07, 5:10 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

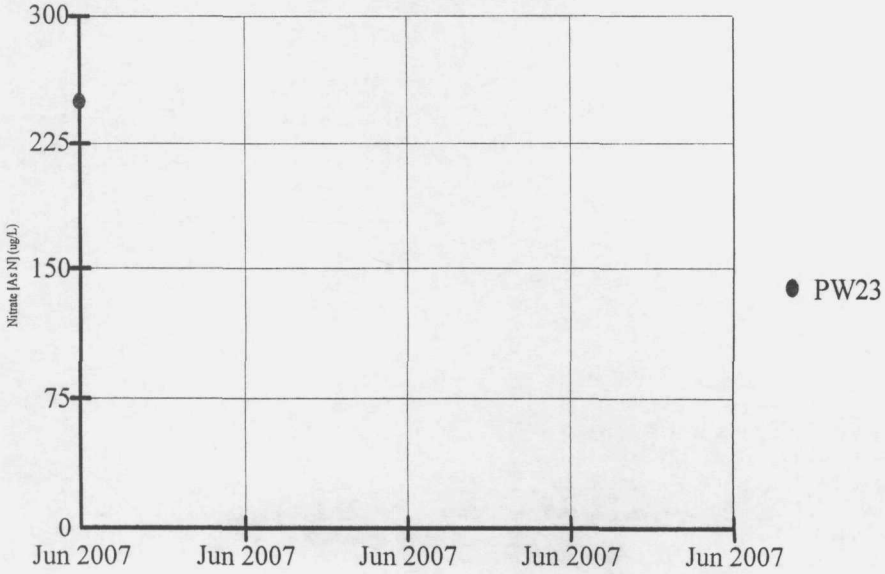
TIME SERIES



Constituent: Ferrous Iron (mg/L) Data File: metals test
Date: 11/19/07, 5:10 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

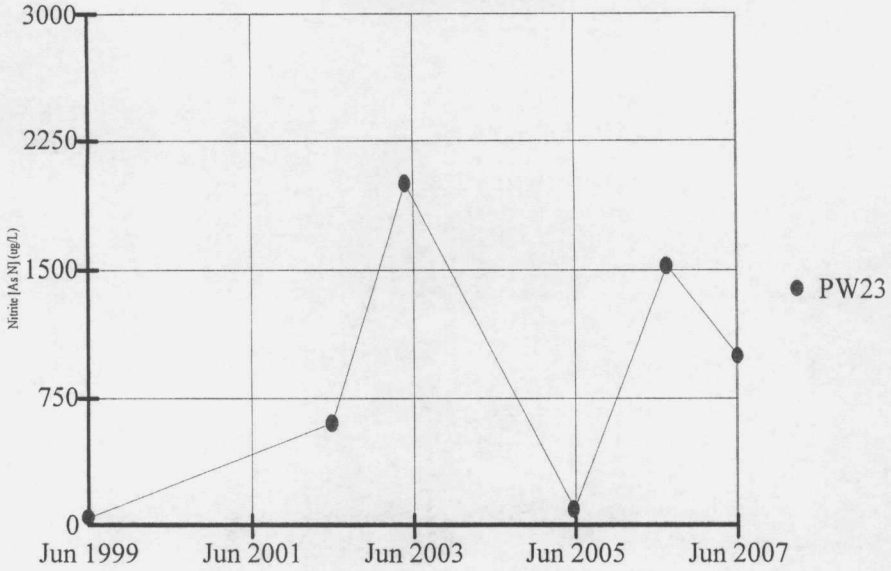
TIME SERIES



Constituent: Nitrate [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:10 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

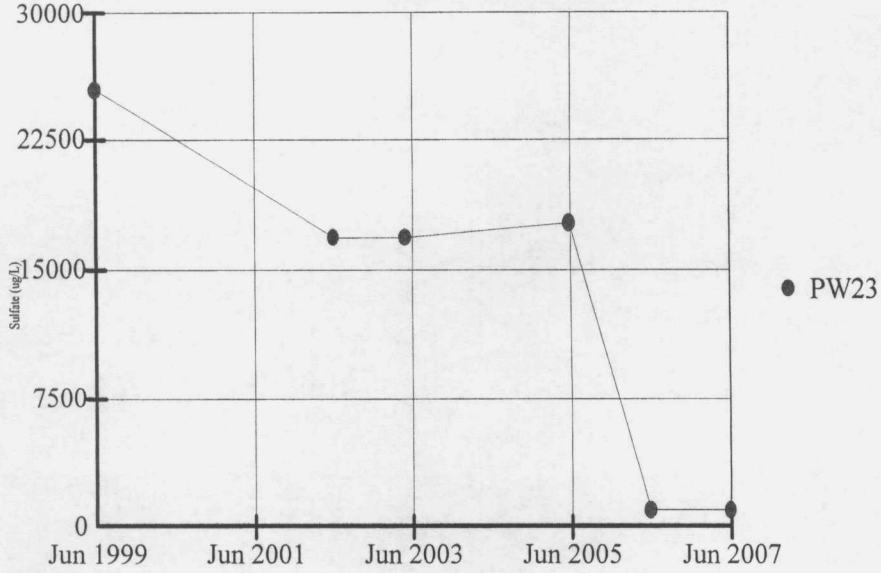
TIME SERIES



Constituent: Nitrite [As N] (ug/L) Data File: metals test
Date: 11/19/07, 5:11 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

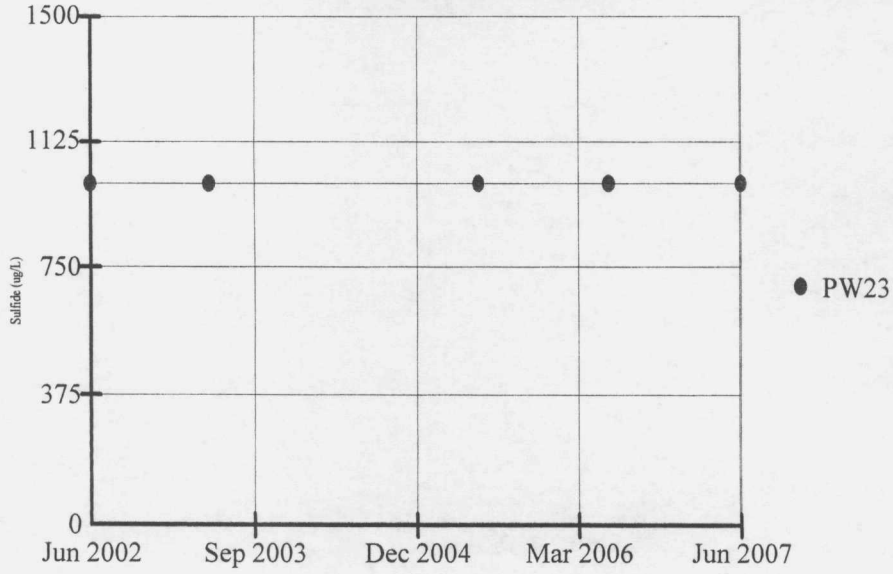
TIME SERIES



Constituent: Sulfate (ug/L) Data File: metals test
Date: 11/19/07, 5:11 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

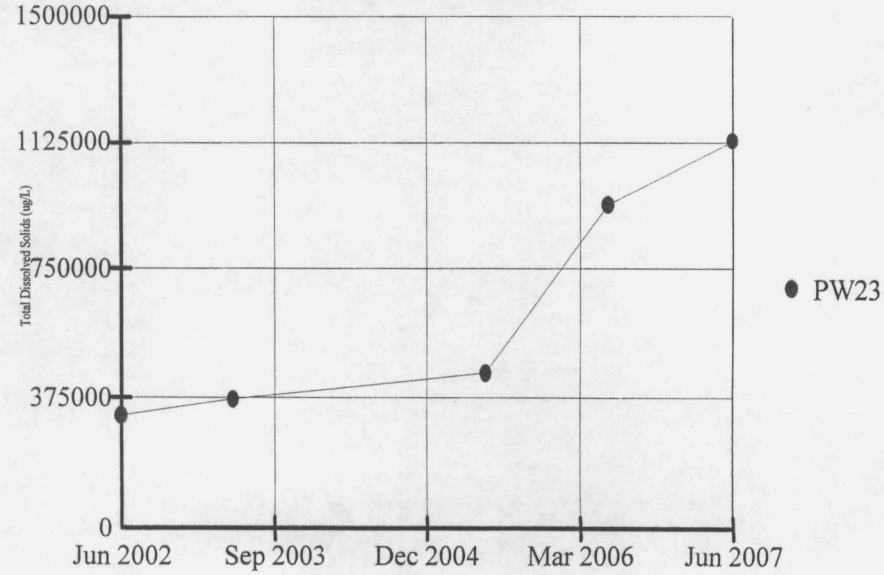
TIME SERIES



Constituent: Sulfide (ug/L) Data File: metals test
Date: 11/19/07, 5:11 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

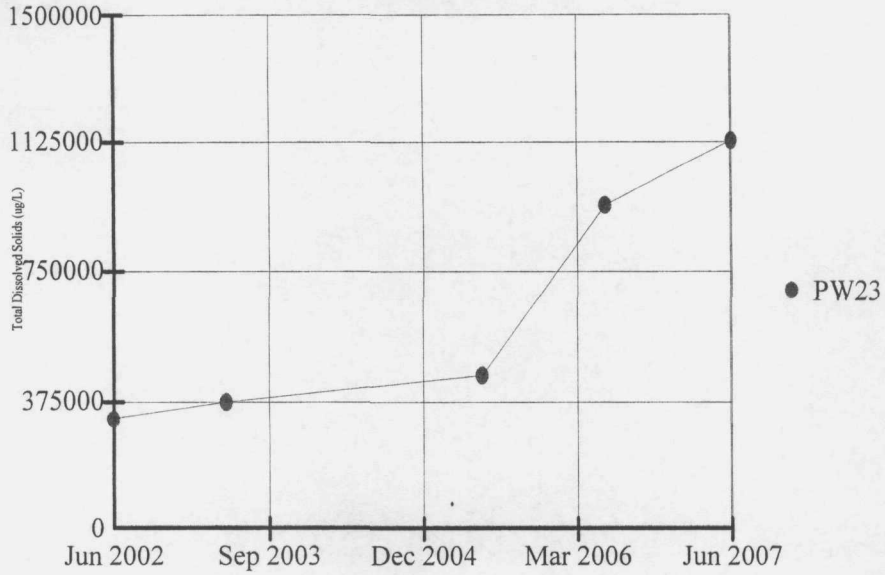
TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:11 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

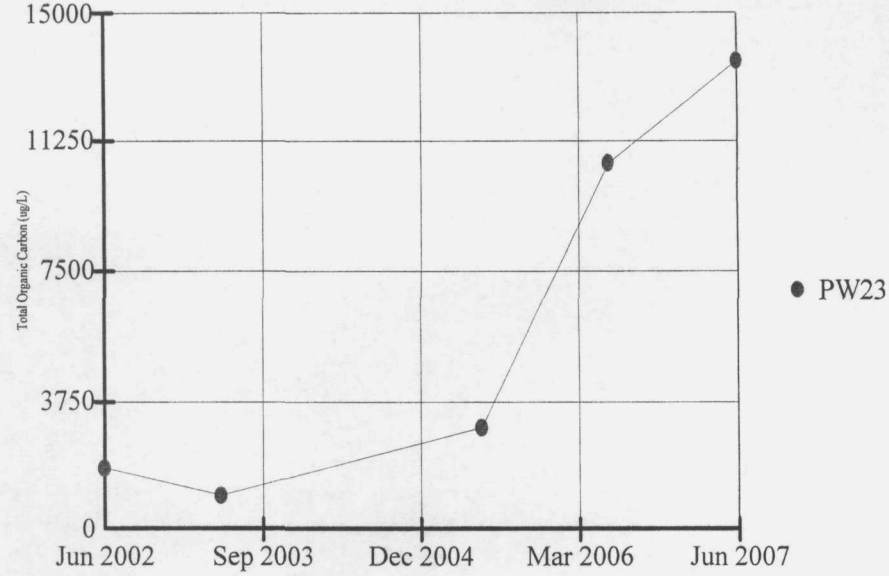
TIME SERIES



Constituent: Total Dissolved Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:11 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

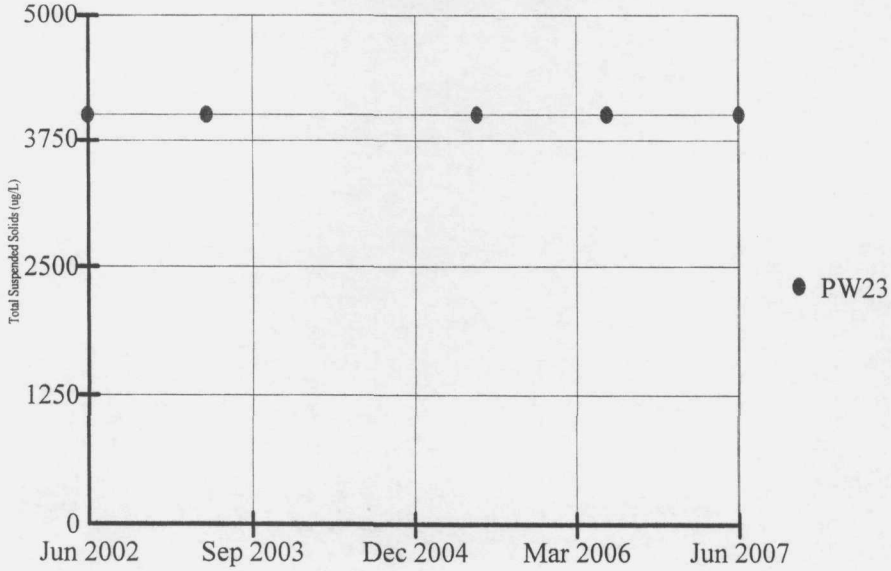
TIME SERIES



Constituent: Total Organic Carbon (ug/L) Data File: metals test
Date: 11/19/07, 5:11 PM Client: Shaw Environmental, Inc. View: _Batch_

v.8.7.009. For the statistical analyses of ground water by Shaw Environmental, Inc. only. EPA m.a. 0.01

TIME SERIES



Constituent: Total Suspended Solids (ug/L) Data File: metals test
Date: 11/19/07, 5:11 PM Client: Shaw Environmental, Inc. View: _Batch_

TRI-COUNTY LANDFILL
Private Monitoring Wells - Analytical Data
JUNE 2007

Appendix G
June 2007

Tri-County Landfill
Private Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	PW07	Dissolved Oxygen (D.O.) (Field Test)	2.0	MG/L		NA	NA
6/21/2007	PW07	Electrical Conductance (Field)	2179	UMHOS/CM		NA	NA
6/21/2007	PW07	Field EH/ORP	-93.7	M.VOLTS		NA	NA
6/21/2007	PW07	pH (Field)	7.18	S.U.		NA	6.5-9.0
6/21/2007	PW07	Temperature, Field (°F)	80.3	°F		NA	NA
6/21/2007	PW07	Turbidity	3.44	TEXT		NA	NA
6/21/2007	PW07	Alkalinity, Total (As CaCO3)	637	MG/L		NA	NA
6/21/2007	**PW07**	**Chloride**	**506**	**MG/L**		**NA**	**200**
6/21/2007	PW07	Ferrous Iron	0	TEXT		NA	NA
6/21/2007	PW07	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/21/2007	PW07	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/21/2007	PW07	Sulfate	1.2	MG/L		NA	400
6/21/2007	PW07	Sulfide	1000	UG/L	U	NA	NA
6/21/2007	PW07	Total Dissolved Solids (TDS)	1140	MG/L		NA	1200
6/21/2007	PW07	Total Organic Carbon (TOC)	21.5	MG/L		NA	NA
6/21/2007	PW07	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/21/2007	PW07	Aluminum, Total	30.0	UG/L	U	NA	NA
6/21/2007	PW07	Antimony, Total	6.0	UG/L	U	6	6
6/21/2007	PW07	Arsenic, Total	20.0	UG/L	U	50	50
6/21/2007	PW07	Barium, Total	5.0	UG/L	U	2000	2000
6/21/2007	PW07	Beryllium, Total	1.0	UG/L	U	4	4
6/21/2007	PW07	Cadmium, Total	1.0	UG/L	U	5	5
6/21/2007	PW07	Calcium, Total	701	UG/L		NA	NA
6/21/2007	PW07	Chromium, Total	3.0	UG/L	U	100	100
6/21/2007	PW07	Cobalt, Total	3.0	UG/L	U	NA	1000
6/21/2007	PW07	Copper, Total	9.2	UG/L		1300	650
6/21/2007	PW07	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/21/2007	PW07	Iron, Total	113	UG/L		NA	5000
6/21/2007	PW07	Lead, Total	5.0	UG/L	U	15	7.5
6/21/2007	PW07	Magnesium, Total	294	UG/L		NA	NA
6/21/2007	PW07	Manganese, Total	1.0	UG/L	U	NA	150
6/21/2007	PW07	Mercury, Total	0.400	UG/L	U	2	2
6/21/2007	PW07	Nickel, Total	21.5	UG/L		NA	100
6/21/2007	PW07	Potassium, Total	1370	UG/L		NA	NA
6/21/2007	PW07	Selenium, Total	10.0	UG/L	U	50	50
6/21/2007	PW07	Silver, Total	4.0	UG/L	U	NA	50
6/21/2007	PW07	Sodium, Total	630000	UG/L		NA	NA
6/21/2007	PW07	Thallium, Total	2.00	UG/L	U	2	2
6/21/2007	PW07	Vanadium, Total	3.0	UG/L	U	NA	NA
6/21/2007	PW07	Zinc, Total	5.0	UG/L	U	NA	5000
6/21/2007	PW07	1,1,1-Trichloroethane	1	UG/L	U	200	200
6/21/2007	PW07	1,1,2,2-Tetrachloroethane	1	UG/L	U	NA	NA
6/21/2007	PW07	1,1,2-Trichloroethane	1	UG/L	U	5	5
6/21/2007	PW07	1,1-Dichloroethane	1	UG/L	U	NA	NA
6/21/2007	PW07	1,1-Dichloroethene	1	UG/L	U	7	7
6/21/2007	PW07	1,2-Dichloroethane	1	UG/L	U	5	5
6/21/2007	PW07	1,2-Dichloropropane	1	UG/L	U	5	5
6/21/2007	PW07	2-Hexanone	10	UG/L	U	NA	NA
6/21/2007	PW07	Acetone	10	UG/L	U	NA	NA
6/21/2007	PW07	Benzene	1	UG/L	U	5	5
6/21/2007	PW07	Bromoform	1	UG/L	U	NA	NA
6/21/2007	PW07	Bromomethane	1	UG/L	U	NA	NA
6/21/2007	PW07	Carbon Disulfide	5	UG/L	U	NA	NA
6/21/2007	PW07	Carbon Tetrachloride	1	UG/L	U	5	5

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Tri-County Landfill
Private Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	PW07	Chlorobenzene	1	UG/L	U	100	100
6/21/2007	**PW07**	**Chloroethane**	**3**	**UG/L**		**NA**	**NA**
6/21/2007	PW07	Chloroform	1	UG/L	U	NA	NA
6/21/2007	PW07	Chloromethane	1	UG/L	U	NA	NA
6/21/2007	PW07	cis-1,2-Dichloroethene	1	UG/L	U	70	70
6/21/2007	PW07	cis-1,3-Dichloropropene	1	UG/L	U	NA	NA
6/21/2007	PW07	Dibromochloromethane	1	UG/L	U	NA	NA
6/21/2007	PW07	Dichlorobromomethane	1	UG/L	U	NA	NA
6/21/2007	PW07	Ethylbenzene	1	UG/L	U	700	700
6/21/2007	PW07	Methyl Ethyl Ketone	10	UG/L	U	NA	NA
6/21/2007	PW07	Methyl Isobutyl Ketone	10	UG/L	U	NA	NA
6/21/2007	PW07	Methylene chloride	2	UG/L	U	5	5
6/21/2007	PW07	Styrene	1	UG/L	U	100	100
6/21/2007	PW07	Tetrachloroethene	1	UG/L	U	5	5
6/21/2007	PW07	Toluene	1	UG/L	U	1000	1000
6/21/2007	PW07	Total Xylenes	3	UG/L	U	10000	10000
6/21/2007	PW07	trans-1,2-Dichloroethene	1	UG/L	U	100	100
6/21/2007	PW07	trans-1,3-Dichloropropene	1	UG/L	U	NA	NA
6/21/2007	PW07	Trichloroethene	1	UG/L	U	5	5
6/21/2007	PW07	Vinyl chloride	1	UG/L	U	2	2

Appendix G
June 2007

Tri-County Landfill
r ate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	PW09	Dissolved Oxygen (D.O.) (Field Test)	1.2	MG/L		NA	NA
6/21/2007	PW09	Electrical Conductance (Field)	945	UMHOS/CM		NA	NA
6/21/2007	PW09	Field EH/ORP	57.5	M.VOLTS		NA	NA
6/21/2007	PW09	pH (Field)	7.64	S.U.		NA	6.5-9.0
6/21/2007	PW09	Temperature, Field (°F)	64.8	°F		NA	NA
6/21/2007	PW09	Turbidity	3.26	TEXT		NA	NA
6/21/2007	PW09	Alkalinity, Total (As CaCO3)	389	MG/L		NA	NA
6/21/2007	PW09	Chloride	107	MG/L		NA	200
6/21/2007	PW09	Ferrous Iron	0	TEXT		NA	NA
6/21/2007	PW09	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/21/2007	PW09	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/21/2007	PW09	Sulfate	17.0	MG/L		NA	400
6/21/2007	PW09	Sulfide	1000	UG/L	U	NA	NA
6/21/2007	PW09	Total Dissolved Solids (TDS)	630	MG/L		NA	1200
6/21/2007	PW09	Total Organic Carbon (TOC)	2.8	MG/L		NA	NA
6/21/2007	PW09	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/21/2007	PW09	Aluminum, Total	30.0	UG/L	U	NA	NA
6/21/2007	PW09	Antimony, Total	6.0	UG/L	U	6	6
6/21/2007	PW09	Arsenic, Total	20.0	UG/L	U	50	50
6/21/2007	PW09	Barium, Total	132	UG/L		2000	2000
6/21/2007	PW09	Beryllium, Total	1.0	UG/L	U	4	4
6/21/2007	PW09	Cadmium, Total	1.0	UG/L	U	5	5
6/21/2007	PW09	Calcium, Total	84700	UG/L		NA	NA
6/21/2007	PW09	Chromium, Total	3.0	UG/L	U	100	100
6/21/2007	PW09	Cobalt, Total	3.0	UG/L	U	NA	1000
1/2007	PW09	Copper, Total	4.0	UG/L	U	1300	650
6/21/2007	PW09	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/21/2007	PW09	Iron, Total	317	UG/L		NA	5000
6/21/2007	PW09	Lead, Total	5.0	UG/L	U	15	7.5
6/21/2007	PW09	Magnesium, Total	61400	UG/L		NA	NA
6/21/2007	PW09	Manganese, Total	6.8	UG/L		NA	150
6/21/2007	PW09	Mercury, Total	0.400	UG/L	U	2	2
6/21/2007	PW09	Nickel, Total	5.2	UG/L		NA	100
6/21/2007	PW09	Potassium, Total	2300	UG/L		NA	NA
6/21/2007	PW09	Selenium, Total	10.0	UG/L	U	50	50
6/21/2007	PW09	Silver, Total	4.0	UG/L	U	NA	50
6/21/2007	PW09	Sodium, Total	33700	UG/L		NA	NA
6/21/2007	PW09	Thallium, Total	2.00	UG/L	U	2	2
6/21/2007	PW09	Vanadium, Total	3.0	UG/L	U	NA	NA
6/21/2007	PW09	Zinc, Total	37.4	UG/L		NA	5000
6/21/2007	PW09	1,1,1-Trichloroethane	1	UG/L	U	200	200
6/21/2007	PW09	1,1,2,2-Tetrachloroethane	1	UG/L	U	NA	NA
6/21/2007	PW09	1,1,2-Trichloroethane	1	UG/L	U	5	5
6/21/2007	PW09	1,1-Dichloroethane	1	UG/L	U	NA	NA
6/21/2007	PW09	1,1-Dichloroethene	1	UG/L	U	7	7
6/21/2007	PW09	1,2-Dichloroethane	1	UG/L	U	5	5
6/21/2007	PW09	1,2-Dichloropropane	1	UG/L	U	5	5
6/21/2007	PW09	2-Hexanone	10	UG/L	U	NA	NA
6/21/2007	PW09	Acetone	10	UG/L	U	NA	NA
6/21/2007	PW09	Benzene	1	UG/L	U	5	5
6/21/2007	PW09	Bromoform	1	UG/L	U	NA	NA
6/21/2007	PW09	Bromomethane	1	UG/L	U	NA	NA
6/21/2007	PW09	Carbon Disulfide	5	UG/L	U	NA	NA
/2007	PW09	Carbon Tetrachloride	1	UG/L	U	5	5

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June 2007

Tri-County Landfill
' ate Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	PW09	Chlorobenzene	1	UG/L	U	100	100
6/21/2007	PW09	Chloroethane	1	UG/L	U	NA	NA
6/21/2007	PW09	Chloroform	1	UG/L	U	NA	NA
6/21/2007	PW09	Chloromethane	1	UG/L	U	NA	NA
6/21/2007	PW09	cis-1,2-Dichloroethene	1	UG/L	U	70	70
6/21/2007	PW09	cis-1,3-Dichloropropene	1	UG/L	U	NA	NA
6/21/2007	PW09	Dibromochloromethane	1	UG/L	U	NA	NA
6/21/2007	PW09	Dichlorobromomethane	1	UG/L	U	NA	NA
6/21/2007	PW09	Ethylbenzene	1	UG/L	U	700	700
6/21/2007	PW09	Methyl Ethyl Ketone	10	UG/L	U	NA	NA
6/21/2007	PW09	Methyl Isobutyl Ketone	10	UG/L	U	NA	NA
6/21/2007	PW09	Methylene chloride	2	UG/L	U	5	5
6/21/2007	PW09	Styrene	1	UG/L	U	100	100
6/21/2007	PW09	Tetrachloroethene	1	UG/L	U	5	5
6/21/2007	PW09	Toluene	1	UG/L	U	1000	1000
6/21/2007	PW09	Total Xylenes	3	UG/L	U	10000	10000
6/21/2007	PW09	trans-1,2-Dichloroethene	1	UG/L	U	100	100
6/21/2007	PW09	trans-1,3-Dichloropropene	1	UG/L	U	NA	NA
6/21/2007	PW09	Trichloroethene	1	UG/L	U	5	5
6/21/2007	PW09	Vinyl chloride	1	UG/L	U	2	2

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June 2007

Tri-County Landfill
Private Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	PW23	Dissolved Oxygen (D.O.) (Field Test)	1.68	MG/L		NA	NA
6/21/2007	PW23	Electrical Conductance (Field)	1564	UMHOS/CM		NA	NA
6/21/2007	PW23	Field EH/ORP	-33.0	M.VOLTS		NA	NA
6/21/2007	PW23	pH (Field)	7.41	S.U.		NA	6.5-9.0
6/21/2007	PW23	Temperature, Field (°F)	68.6	°F		NA	NA
6/21/2007	PW23	Turbidity	5.73	TEXT		NA	NA
6/21/2007	PW23	Alkalinity, Total (As CaCO3)	558	MG/L		NA	NA
6/21/2007	**PW23**	**Chloride**	**277**	**MG/L**		**NA**	**200**
6/21/2007	PW23	Ferrous Iron	0	TEXT		NA	NA
6/21/2007	PW23	Nitrate (As N)	0.25	MG/L-N	U	10	10
6/21/2007	PW23	Nitrite (As N)	1.0	MG/L-N	U	1	NA
6/21/2007	PW23	Sulfate	1.0	MG/L	U	NA	400
6/21/2007	PW23	Sulfide	1000	UG/L	U	NA	NA
6/21/2007	PW23	Total Dissolved Solids (TDS)	1130	MG/L		NA	1200
6/21/2007	PW23	Total Organic Carbon (TOC)	13.6	MG/L		NA	NA
6/21/2007	PW23	Total Suspended Solids (TSS)	4.0	MG/L	U	NA	NA
6/21/2007	PW23	Aluminum, Total	30.0	UG/L	U	NA	NA
6/21/2007	PW23	Antimony, Total	6.0	UG/L	U	6	6
6/21/2007	PW23	Arsenic, Total	20.0	UG/L	U	50	50
6/21/2007	PW23	Barium, Total	5.0	UG/L	U	2000	2000
6/21/2007	PW23	Beryllium, Total	1.0	UG/L	U	4	4
6/21/2007	PW23	Cadmium, Total	1.0	UG/L	U	5	5
6/21/2007	PW23	Calcium, Total	2600	UG/L		NA	NA
6/21/2007	PW23	Chromium, Total	3.0	UG/L	U	100	100
6/21/2007	PW23	Cobalt, Total	3.0	UG/L	U	NA	1000
6/21/2007	PW23	Copper, Total	26.4	UG/L		1300	650
6/21/2007	PW23	Cyanide, Total	0.020	MG/L	U	0.2	0.2
6/21/2007	PW23	Iron, Total	68.0	UG/L		NA	5000
6/21/2007	PW23	Lead, Total	5.0	UG/L	U	15	7.5
6/21/2007	PW23	Magnesium, Total	2640	UG/L		NA	NA
6/21/2007	PW23	Manganese, Total	3.4	UG/L		NA	150
6/21/2007	PW23	Mercury, Total	0.400	UG/L	U	2	2
6/21/2007	PW23	Nickel, Total	19.5	UG/L		NA	100
6/21/2007	PW23	Potassium, Total	430	UG/L		NA	NA
6/21/2007	PW23	Selenium, Total	10.0	UG/L	U	50	50
6/21/2007	PW23	Silver, Total	4.0	UG/L	U	NA	50
6/21/2007	PW23	Sodium, Total	395000	UG/L		NA	NA
6/21/2007	PW23	Thallium, Total	2.00	UG/L	U	2	2
6/21/2007	PW23	Vanadium, Total	3.0	UG/L	U	NA	NA
6/21/2007	PW23	Zinc, Total	15.8	UG/L		NA	5000
6/21/2007	PW23	1,1,1-Trichloroethane	1	UG/L	U	200	200
6/21/2007	PW23	1,1,2,2-Tetrachloroethane	1	UG/L	U	NA	NA
6/21/2007	PW23	1,1,2-Trichloroethane	1	UG/L	U	5	5
6/21/2007	PW23	1,1-Dichloroethane	1	UG/L	U	NA	NA
6/21/2007	PW23	1,1-Dichloroethene	1	UG/L	U	7	7
6/21/2007	PW23	1,2-Dichloroethane	1	UG/L	U	5	5
6/21/2007	PW23	1,2-Dichloropropane	1	UG/L	U	5	5
6/21/2007	PW23	2-Hexanone	10	UG/L	U	NA	NA
6/21/2007	PW23	Acetone	10	UG/L	U	NA	NA
6/21/2007	PW23	Benzene	1	UG/L	U	5	5
6/21/2007	PW23	Bromoform	1	UG/L	U	NA	NA
6/21/2007	PW23	Bromomethane	1	UG/L	U	NA	NA
6/21/2007	PW23	Carbon Disulfide	5	UG/L	U	NA	NA
6/21/2007	PW23	Carbon Tetrachloride	1	UG/L	U	5	5

Appendix G
June 2007

Tri-County Landfill
r ıte Monitoring Wells

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	PW23	Chlorobenzene	1	UG/L	U	100	100
6/21/2007	PW23	Chloroethane	1	UG/L	U	NA	NA
6/21/2007	PW23	Chloroform	1	UG/L	U	NA	NA
6/21/2007	PW23	Chloromethane	1	UG/L	U	NA	NA
6/21/2007	PW23	cis-1,2-Dichloroethene	1	UG/L	U	70	70
6/21/2007	PW23	cis-1,3-Dichloropropene	1	UG/L	U	NA	NA
6/21/2007	PW23	Dibromochloromethane	1	UG/L	U	NA	NA
6/21/2007	PW23	Dichlorobromomethane	1	UG/L	U	NA	NA
6/21/2007	PW23	Ethylbenzene	1	UG/L	U	700	700
6/21/2007	PW23	Methyl Ethyl Ketone	10	UG/L	U	NA	NA
6/21/2007	PW23	Methyl Isobutyl Ketone	10	UG/L	U	NA	NA
6/21/2007	PW23	Methylene chloride	2	UG/L	U	5	5
6/21/2007	PW23	Styrene	1	UG/L	U	100	100
6/21/2007	PW23	Tetrachloroethene	1	UG/L	U	5	5
6/21/2007	PW23	Toluene	1	UG/L	U	1000	1000
6/21/2007	PW23	Total Xylenes	3	UG/L	U	10000	10000
6/21/2007	PW23	trans-1,2-Dichloroethene	1	UG/L	U	100	100
6/21/2007	PW23	trans-1,3-Dichloropropene	1	UG/L	U	NA	NA
6/21/2007	PW23	Trichloroethene	1	UG/L	U	5	5
6/21/2007	PW23	Vinyl chloride	1	UG/L	U	2	2

APPENDIX H

TRI-COUNTY LANDFILL
FIELD BLANKS AND TRIP BLANKS ANALYTICAL DATA
JUNE 2007

Attachment H
June 2007

Tri-County Landfill
Field Blanks and Trip Blanks

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	FB	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	FB	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	FB	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	FB	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	FB	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	FB	1,2,4-Trichlorobenzene	ND	UG/L	U	70	70
6/19/2007	FB	1,2-Dichlorobenzene	ND	UG/L	U	600	600
6/19/2007	FB	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	FB	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	FB	1,3-Dichlorobenzene	ND	UG/L	U	NA	NA
6/19/2007	FB	1,4-Dichlorobenzene	ND	UG/L	U	NA	NA
6/19/2007	FB	2,2'-Oxybis(1-Chloropropane)	ND	UG/L	U	NA	NA
6/19/2007	FB	2,4,5-Trichlorophenol	ND	UG/L	U	NA	NA
6/19/2007	FB	2,4,6-Trichlorophenol	ND	UG/L	U	NA	NA
6/19/2007	FB	2,4-Dichlorophenol	ND	UG/L	U	NA	NA
6/19/2007	FB	2,4-Dimethylphenol	ND	UG/L	U	NA	NA
6/19/2007	FB	2,4-Dinitrophenol	ND	UG/L	U	NA	NA
6/19/2007	FB	2,4-Dinitrotoluene	ND	UG/L	U	NA	NA
6/19/2007	FB	2,6-Dinitrotoluene	ND	UG/L	U	NA	NA
6/19/2007	FB	2-Chloronaphthalene	ND	UG/L	U	NA	NA
6/19/2007	FB	2-Chlorophenol	ND	UG/L	U	NA	NA
6/19/2007	FB	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	FB	2-Methylnaphthalene	ND	UG/L	U	NA	NA
6/19/2007	FB	2-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	FB	2-Nitrophenol	ND	UG/L	U	NA	NA
6/19/2007	FB	3,3'-Dichlorobenzidine	ND	UG/L	U	NA	NA
6/19/2007	FB	3-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	FB	4-Bromophenyl phenyl ether	ND	UG/L	U	NA	NA
6/19/2007	FB	4-Chloroaniline	ND	UG/L	U	NA	NA
6/19/2007	FB	4-Chlorophenyl phenyl ether	ND	UG/L	U	NA	NA
6/19/2007	FB	4-Nitroaniline	ND	UG/L	U	NA	NA
6/19/2007	FB	4-Nitrophenol	ND	UG/L	U	NA	NA
6/19/2007	FB	Acenaphthene	ND	UG/L	U	NA	NA
6/19/2007	FB	Acenaphthylene	ND	UG/L	U	NA	NA
6/19/2007	FB	Acetone	ND	UG/L	U	NA	NA
6/19/2007	FB	Alkalinity, Total (As CaCO3)	ND	MG/L	U	NA	NA
6/19/2007	FB	Aluminum, Total	ND	UG/L	U	NA	NA
6/19/2007	FB	Anthracene	ND	UG/L	U	NA	NA
6/19/2007	FB	Antimony, Total	ND	UG/L	U	6	6
6/19/2007	FB	Arsenic, Total	ND	UG/L	U	50	50
6/19/2007	FB	Barium, Total	ND	UG/L	U	2000	2000
6/19/2007	FB	Benzene	ND	UG/L	U	5	5
6/19/2007	FB	Benzo(a)anthracene	ND	UG/L	U	NA	NA
6/19/2007	FB	Benzo(a)pyrene	ND	UG/L	U	0	0.2
6/19/2007	FB	Benzo(b)fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	FB	Benzo(ghi)perylene	ND	UG/L	U	NA	NA
6/19/2007	FB	Benzo(k)fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	FB	Beryllium, Total	ND	UG/L	U	4	4
6/19/2007	FB	Bis(2-chloroethoxy) methane	ND	UG/L	U	NA	NA
6/19/2007	FB	Bis(2-chloroethyl) ether	ND	UG/L	U	NA	NA
6/19/2007	FB	Bis(2-ethylhexyl) phthalate	ND	UG/L	U	6	6
6/19/2007	FB	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	FB	Bromomethane	ND	UG/L	U	NA	NA
6/19/2007	FB	Butyl benzyl phthalate	ND	UG/L	U	NA	NA

Attachment H
June 2007

Tri-County Landfill
I Blanks and Trip Blanks

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	FB	Cadmium, Total	ND	UG/L	U	5	5
6/19/2007	FB	Calcium, Total	ND	UG/L	U	NA	NA
6/19/2007	FB	Carbazole	ND	UG/L	U	NA	NA
6/19/2007	FB	Carbon Disulfide	ND	UG/L	U	NA	NA
6/19/2007	FB	Carbon Tetrachloride	ND	UG/L	U	5	5
6/19/2007	FB	Chloride	ND	MG/L	U	NA	200
6/19/2007	FB	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	FB	Chloroethane	ND	UG/L	U	NA	NA
6/19/2007	FB	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	FB	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	FB	Chromium Total	ND	UG/L	U	100	100
6/19/2007	FB	Chrysene	ND	UG/L	U	NA	NA
6/19/2007	FB	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	FB	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	FB	Cobalt, Total	ND	UG/L	U	NA	1000
6/19/2007	FB	Copper, Total	ND	UG/L	U	1300	650
6/19/2007	FB	Cresol, 4,6-Dinitro-O-	ND	UG/L	U	NA	NA
6/19/2007	FB	Cresol, o-	ND	UG/L	U	NA	NA
6/19/2007	FB	Cresol, p-	ND	UG/L	U	NA	NA
6/19/2007	FB	Cresol, p-Chloro-m-	ND	UG/L	U	NA	NA
6/19/2007	FB	Cyanide, Total	ND	MG/L	U	0	0.2
6/19/2007	FB	Dibenzo(a,h)anthracene	ND	UG/L	U	NA	NA
6/19/2007	FB	Dibenzofuran	ND	UG/L	U	NA	NA
6/19/2007	FB	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	FB	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	FB	Diethyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	FB	Dimethyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	FB	Di-n-butyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	FB	Di-n-octyl phthalate	ND	UG/L	U	NA	NA
6/19/2007	FB	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	FB	Fluoranthene	ND	UG/L	U	NA	NA
6/19/2007	FB	Fluorene	ND	UG/L	U	NA	NA
6/19/2007	FB	Hexachlorobenzene	ND	UG/L	U	1	NA
6/19/2007	FB	Hexachlorobutadiene	ND	UG/L	U	NA	NA
6/19/2007	FB	Hexachlorocyclopentadiene	ND	UG/L	U	50	50
6/19/2007	FB	Hexachloroethane	ND	UG/L	U	NA	NA
6/19/2007	FB	Indeno(1,2,3-cd)pyrene	ND	UG/L	U	NA	NA
6/19/2007	FB	Iron, Total	ND	UG/L	U	NA	5000
6/19/2007	FB	Isophorone	ND	UG/L	U	NA	NA
6/19/2007	FB	Lead, Total	ND	UG/L	U	15	7.5
6/19/2007	FB	Magnesium, Total	ND	UG/L	U	NA	NA
6/19/2007	FB	Manganese, Total	ND	UG/L	U	NA	150
6/19/2007	FB	Mercury, Total	ND	UG/L	U	2	2
6/19/2007	FB	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	FB	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	FB	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	FB	Naphthalene	ND	UG/L	U	NA	NA
6/19/2007	FB	Nickel, Total	ND	UG/L	U	NA	100
6/19/2007	FB	Nitrate (As N)	ND	MG/L-N	U	10	10
6/19/2007	FB	Nitrite (As N)	ND	MG/L-N	U	1	NA
6/19/2007	FB	Nitrobenzene	ND	UG/L	U	NA	NA
6/19/2007	FB	N-Nitroso-Di-n-propylamine	ND	UG/L	U	NA	NA
6/19/2007	FB	N-nitrosodiphenylamine	ND	UG/L	U	NA	NA
6/19/2007	FB	Pentachlorophenol	ND	UG/L	U	1	1

Attachment H
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Tri-County Landfill
Blanks and Trip Blanks

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	FB	Phenanthrene	ND	UG/L	U	NA	NA
6/19/2007	FB	Phenol	ND	UG/L	U	NA	NA
6/19/2007	FB	Potassium, Total	ND	UG/L	U	NA	NA
6/19/2007	FB	Pyrene	ND	UG/L	U	NA	NA
6/19/2007	FB	Selenium, Total	ND	UG/L	U	50	50
6/19/2007	FB	Silver, Total	ND	UG/L	U	NA	50
6/19/2007	FB	Sodium, Total	ND	UG/L	U	NA	NA
6/19/2007	FB	Styrene	ND	UG/L	U	100	100
6/19/2007	FB	Sulfate	ND	MG/L	U	NA	400
6/19/2007	FB	Sulfide	ND	UG/L	U	NA	NA
6/19/2007	FB	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	FB	Thallium, Total	ND	UG/L	U	2	2
6/19/2007	FB	Toluene	ND	UG/L	U	1000	1000
6/19/2007	FB	Total Dissolved Solids (TDS)	ND	MG/L	U	NA	1200
6/19/2007	FB	Total Organic Carbon (TOC)	ND	MG/L	U	NA	NA
6/19/2007	FB	Total Suspended Solids (TSS)	ND	MG/L	U	NA	NA
6/19/2007	FB	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	FB	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	FB	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	FB	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	FB	Vanadium, Total	ND	UG/L	U	NA	NA
6/19/2007	FB	Vinyl chloride	ND	UG/L	U	2	2
6/19/2007	FB	Zinc, Total	ND	UG/L	U	NA	5000

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Tri-County Landfill
l Blanks and Trip Blanks

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	FB01	Alkalinity, Total (As CaCO3)	ND	MG/L	U	NA	NA
6/20/2007	FB01	Chloride	ND	MG/L	U	NA	200
6/20/2007	FB01	Nitrate (As N)	ND	MG/L-N	U	10	10
6/20/2007	FB01	Nitrite (As N)	ND	MG/L-N	U	1	NA
6/20/2007	FB01	Sulfate	1.3	MG/L		NA	400
6/20/2007	FB01	Sulfide	ND	UG/L	U	NA	NA
6/20/2007	FB01	Total Dissolved Solids (TDS)	ND	MG/L	U	NA	1200
6/20/2007	FB01	Total Organic Carbon (TOC)	ND	MG/L	U	NA	NA
6/20/2007	FB01	Total Suspended Solids (TSS)	ND	MG/L	U	NA	NA
6/20/2007	FB01	Aluminum, Total	52.1	UG/L		NA	NA
6/20/2007	FB01	Antimony, Total	ND	UG/L	U	6	6
6/20/2007	FB01	Arsenic, Total	ND	UG/L	U	50	50
6/20/2007	FB01	Barium, Total	ND	UG/L	U	2000	2000
6/20/2007	FB01	Beryllium, Total	ND	UG/L	U	4	4
6/20/2007	FB01	Cadmium, Total	ND	UG/L	U	5	5
6/20/2007	FB01	Calcium, Total	112	UG/L		NA	NA
6/20/2007	FB01	Chromium, Total	ND	UG/L	U	100	100
6/20/2007	FB01	Cobalt, Total	ND	UG/L	U	NA	1000
6/20/2007	FB01	Copper, Total	ND	UG/L	U	1300	650
6/20/2007	FB01	Cyanide, Total	ND	MG/L	U	0	0.2
6/20/2007	FB01	Iron, Total	ND	UG/L	U	NA	5000
6/20/2007	FB01	Lead, Total	ND	UG/L	U	15	7.5
6/20/2007	FB01	Magnesium, Total	ND	UG/L	U	NA	NA
6/20/2007	FB01	Manganese, Total	ND	UG/L	U	NA	150
[illegible]0/2007	FB01	Mercury Total	ND	UG/L	U	2	2
[illegible]0/2007	FB01	Nickel, Total	ND	UG/L	U	NA	100
6/20/2007	FB01	Potassium, Total	ND	UG/L	U	NA	NA
6/20/2007	FB01	Selenium, Total	ND	UG/L	U	50	50
6/20/2007	FB01	Silver, Total	ND	UG/L	U	NA	50
6/20/2007	FB01	Sodium, Total	ND	UG/L	U	NA	NA
6/20/2007	FB01	Thallium, Total	ND	UG/L	U	2	2
6/20/2007	FB01	Vanadium, Total	ND	UG/L	U	NA	NA
6/20/2007	FB01	Zinc, Total	ND	UG/L	U	NA	5000
6/20/2007	FB01	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/20/2007	FB01	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/20/2007	FB01	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/20/2007	FB01	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/20/2007	FB01	1,1-Dichloroethene	ND	UG/L	U	7	7
6/20/2007	FB01	1,2-Dichloroethane	ND	UG/L	U	5	5
6/20/2007	FB01	1,2-Dichloropropane	ND	UG/L	U	5	5
6/20/2007	FB01	2-Hexanone	ND	UG/L	U	NA	NA
6/20/2007	FB01	Acetone	ND	UG/L	U	NA	NA
6/20/2007	FB01	Benzene	ND	UG/L	U	5	5
6/20/2007	FB01	Bromoform	ND	UG/L	U	NA	NA
6/20/2007	FB01	Bromomethane	ND	UG/L	U	NA	NA
6/20/2007	FB01	Carbon Disulfide	ND	UG/L	U	NA	NA
6/20/2007	FB01	Carbon Tetrachloride	ND	UG/L	U	5	5
6/20/2007	FB01	Chlorobenzene	ND	UG/L	U	100	100
6/20/2007	FB01	Chloroethane	ND	UG/L	U	NA	NA
6/20/2007	FB01	Chloroform	ND	UG/L	U	NA	NA
6/20/2007	FB01	Chloromethane	ND	UG/L	U	NA	NA
6/20/2007	FB01	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
[illegible]/2007	FB01	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
[illegible]/2007	FB01	Dibromochloromethane	ND	UG/L	U	NA	NA

Attachment H
June 2007

Tri-County Landfill
Field Blanks and Trip Blanks

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	FB01	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/20/2007	FB01	Ethylbenzene	ND	UG/L	U	700	700
6/20/2007	FB01	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	FB01	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	FB01	Methylene chloride	ND	UG/L	U	5	5
6/20/2007	FB01	Styrene	ND	UG/L	U	100	100
6/20/2007	FB01	Tetrachloroethene	ND	UG/L	U	5	5
6/20/2007	FB01	Toluene	ND	UG/L	U	1000	1000
6/20/2007	FB01	Total Xylenes	ND	UG/L	U	10000	10000
6/20/2007	FB01	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/20/2007	FB01	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	FB01	Trichloroethene	ND	UG/L	U	5	5
6/20/2007	FB01	Vinyl chloride	ND	UG/L	U	2	2

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Tri-County Landfill
d Blanks and Trip Blanks

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/19/2007	Trip Blank	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/19/2007	Trip Blank	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/19/2007	Trip Blank	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	1,1-Dichloroethene	ND	UG/L	U	7	7
6/19/2007	Trip Blank	1,2-Dichloroethane	ND	UG/L	U	5	5
6/19/2007	Trip Blank	1,2-Dichloropropane	ND	UG/L	U	5	5
6/19/2007	Trip Blank	2-Hexanone	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Acetone	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Benzene	ND	UG/L	U	5	5
6/19/2007	Trip Blank	Bromoform	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Bromomethane	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Carbon Disulfide	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Carbon Tetrachloride	ND	UG/L	U	5	5
6/19/2007	Trip Blank	Chlorobenzene	ND	UG/L	U	100	100
6/19/2007	Trip Blank	Chloroethane	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Chloroform	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Chloromethane	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/19/2007	Trip Blank	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Dibromochloromethane	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Ethylbenzene	ND	UG/L	U	700	700
6/19/2007	Trip Blank	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Methylene chloride	ND	UG/L	U	5	5
6/19/2007	Trip Blank	Styrene	ND	UG/L	U	100	100
6/19/2007	Trip Blank	Tetrachloroethene	ND	UG/L	U	5	5
6/19/2007	Trip Blank	Toluene	ND	UG/L	U	1000	1000
6/19/2007	Trip Blank	Total Xylenes	ND	UG/L	U	10000	10000
6/19/2007	Trip Blank	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/19/2007	Trip Blank	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/19/2007	Trip Blank	Trichloroethene	ND	UG/L	U	5	5
6/19/2007	Trip Blank	Vinyl chloride	ND	UG/L	U	2	2

Attachment H
June 2007

Tri-County Landfill
d Blanks and Trip Blanks

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/20/2007	Trip Blank	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/20/2007	Trip Blank	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/20/2007	Trip Blank	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	1,1-Dichloroethene	ND	UG/L	U	7	7
6/20/2007	Trip Blank	1,2-Dichloroethane	ND	UG/L	U	5	5
6/20/2007	Trip Blank	1,2-Dichloropropane	ND	UG/L	U	5	5
6/20/2007	Trip Blank	2-Hexanone	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Acetone	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Benzene	ND	UG/L	U	5	5
6/20/2007	Trip Blank	Bromoform	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Bromomethane	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Carbon Disulfide	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Carbon Tetrachloride	ND	UG/L	U	5	5
6/20/2007	Trip Blank	Chlorobenzene	ND	UG/L	U	100	100
6/20/2007	Trip Blank	Chloroethane	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Chloroform	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Chloromethane	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/20/2007	Trip Blank	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Dibromochloromethane	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Ethylbenzene	ND	UG/L	U	700	700
6/20/2007	Trip Blank	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Methylene chloride	ND	UG/L	U	5	5
6/20/2007	Trip Blank	Styrene	ND	UG/L	U	100	100
6/20/2007	Trip Blank	Tetrachloroethene	ND	UG/L	U	5	5
6/20/2007	Trip Blank	Toluene	ND	UG/L	U	1000	1000
6/20/2007	Trip Blank	Total Xylenes	ND	UG/L	U	10000	10000
6/20/2007	Trip Blank	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/20/2007	Trip Blank	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/20/2007	Trip Blank	Trichloroethene	ND	UG/L	U	5	5
6/20/2007	Trip Blank	Vinyl chloride	ND	UG/L	U	2	2

Attachment H
June 2007

Tri-County Landfill
d Blanks and Trip Blanks

Sample Date	Well I.D.	Parameter	Result	units	Qualifier	MCL	Class I GWQS
6/21/2007	Trip Blank	1,1,1-Trichloroethane	ND	UG/L	U	200	200
6/21/2007	Trip Blank	1,1,2,2-Tetrachloroethane	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	1,1,2-Trichloroethane	ND	UG/L	U	5	5
6/21/2007	Trip Blank	1,1-Dichloroethane	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	1,1-Dichloroethene	ND	UG/L	U	7	7
6/21/2007	Trip Blank	1,2-Dichloroethane	ND	UG/L	U	5	5
6/21/2007	Trip Blank	1,2-Dichloropropane	ND	UG/L	U	5	5
6/21/2007	Trip Blank	2-Hexanone	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Acetone	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Benzene	ND	UG/L	U	5	5
6/21/2007	Trip Blank	Bromoform	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Bromomethane	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Carbon Disulfide	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Carbon Tetrachloride	ND	UG/L	U	5	5
6/21/2007	Trip Blank	Chlorobenzene	ND	UG/L	U	100	100
6/21/2007	Trip Blank	Chloroethane	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Chloroform	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Chloromethane	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	cis-1,2-Dichloroethene	ND	UG/L	U	70	70
6/21/2007	Trip Blank	cis-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Dibromochloromethane	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Dichlorobromomethane	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Ethylbenzene	ND	UG/L	U	700	700
6/21/2007	Trip Blank	Methyl Ethyl Ketone	ND	UG/L	U	NA	NA
21/2007	Trip Blank	Methyl Isobutyl Ketone	ND	UG/L	U	NA	NA
1/2007	Trip Blank	Methylene chloride	ND	UG/L	U	5	5
6/21/2007	Trip Blank	Styrene	ND	UG/L	U	100	100
6/21/2007	Trip Blank	Tetrachloroethene	ND	UG/L	U	5	5
6/21/2007	Trip Blank	Toluene	ND	UG/L	U	1000	1000
6/21/2007	Trip Blank	Total Xylenes	ND	UG/L	U	10000	10000
6/21/2007	Trip Blank	trans-1,2-Dichloroethene	ND	UG/L	U	100	100
6/21/2007	Trip Blank	trans-1,3-Dichloropropene	ND	UG/L	U	NA	NA
6/21/2007	Trip Blank	Trichloroethene	ND	UG/L	U	5	5
6/21/2007	Trip Blank	Vinyl chloride	ND	UG/L	U	2	2

APPENDIX I

TRI-COUNTY LANDFILL
ANALYTICAL SUMMARY TABLES
ELECTRONIC DELIVERABLE (CD)
JUNE 2007

SDMS US EPA Region V

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Appendix I – Analytical Summary Tables, Electronic Deliverables (on a CD)

☐ **Other:**

APPENDIX J

TRI-COUNTY LANDFILL
LABORATORY ANALYTICAL AND QUALITY CONTROL REPORTS
ELECTRONIC DELIVERABLE (CD)
JUNE 2007

SDMS US EPA Region V

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Appendix J – Laboratory Analytical & Quality Control Reports, Electronic Deliverables (on a CD)

☐ **Other:**

APPENDIX K

TRI-COUNTY LANDFILL
GROUNDWATER DATA VALIDATION
JUNE 2007

Data Validation Checklist

Date: 10/24/2007

Validator Name: Heather Powell-Olson

Client: Waste Management

Facility: Tri-County Landfill

Event: Annual 2007 Groundwater Monitoring Event

Laboratory: STL Buffalo and EMT Laboratories

Sampling Dates: June 18/07 through June 25/07

Sample Delivery Group: A07-6863; A07-7009; A07-7829

	Yes	No	NA
Were the correct analytical methodologies used?	[X]	[ ]	[ ]

List those parameters for which incorrect methodologies were employed on a separate sheet and attach it to this checklist.

Were holding times for analytical samples met?

List those parameters that were analyzed outside hold times on a separate sheet and attache to this checklist.

		Yes	No	NA
VOC	14 days	[ ]	[ ]	[X]
SVOC	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Pesticides/Herbicides/ PCBs	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Alkalinity	14 days	[X]	[ ]	[ ]
Sulfate	28 days	[X]	[ ]	[ ]
TOC	28 days	[X]	[ ]	[ ]
BOD	2 days	[ ]	[ ]	[X]
COD	28 days	[ ]	[ ]	[X]
Chloride	28 days	[X]	[ ]	[ ]
Cyanide, Total	14 days	[X]	[ ]	[ ]
Fluoride	28 days	[ ]	[ ]	[X]
Nitrogen, Ammonia	28 days	[ ]	[ ]	[X]
Phenols	28 days	[ ]	[ ]	[X]
Nitrogen, Nitrate	2 days	[X]	[ ]	[ ]
Nitrogen, Nitrate + Nitrite	28 days	[X]	[ ]	[ ]
TOX	28 days	[ ]	[ ]	[X]
TDS/TSS	7 days	[X]	[ ]	[ ]
Oil & Grease	28 days	[ ]	[ ]	[X]
Chromium, hexavalent	24 hrs	[ ]	[ ]	[X]

Data Validation Checklist

Holding Times Cont'd

Fecal Coliform	6 hrs	☐	☐	☒
Phosphorus	28 days	☐	☐	☒
Mercury	28 days	☒	☐	☐
Other Metals	6 Months	☒	☐	☐

Other parameters

List parameter and hold time. Note if hold time exceeded.

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks? List those parameters for which detections were found on a separate sheet and attach it to this checklist.	☐	☒	☐
Were surrogate recoveries within the appropriate control ranges? List those surrogates for which recoveries were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were laboratory control spikes within the appropriate control ranges? List those parameters for which spikes were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? List those parameters for which the RPD was greater than 20% on a separate sheet and attach it to this checklist.	☐	☐	☒

Notes:

Summary of Field Duplicate Results Compared to Sample Results
June 2007
Data Validation - Job Nos. A07-6863; A07-7009; A07-7829

Well I.D.	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW5IR	6/19/2007	A07-6863	07060522-06	<0.25
DUP	6/19/2007	A07-6863	07060522-07	2.02
RPD				156%

Well I.D.	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW12IR	6/19/2007	A07-6863	07060522-12	1.71
DUP	6/19/2007	A07-6863	07060522-13	<0.25
RPD				149%

Well I.D.	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW2SR	6/20/2007	A07-6863	07060553-02	9.27
DUP2	6/20/2007	A07-68653	07060553-02	7.3
RPD				24%

Notes:
RPD - Relative Percent Difference
Advisory acceptance limits for field duplicate RPD is <20%.
EMT Laboratory performed the short hold time analysis on the above samples.

Data Validation Checklist

Date: 10/25/2007

Validator Name: Heather Powell-Olson

Client: Waste Management

Facility: Tri-County Landfill

Event: Annual 2007 Groundwater Monitoring Event

Laboratory: STL Buffalo and EMT Laboratories

Sampling Dates: June 18/07 through June 25/07

Sample Delivery Group: A07-6865; A07-6948; A07-7106; A07-7828

	Yes	No	NA
Were the correct analytical methodologies used? List those parameters for which incorrect methodologies were employed on a separate sheet and attach it to this checklist.	[X]	[ ]	[ ]

Were holding times for analytical samples met? List those parameters that were analyzed outside hold times on a separate sheet and attache to this checklist.

		Yes	No	NA
VOC	14 days	[ ]	[ ]	[X]
SVOC	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Pesticides/Herbicides/ PCBs	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Alkalinity	14 days	[X]	[ ]	[ ]
Sulfate	28 days	[X]	[ ]	[ ]
TOC	28 days	[X]	[ ]	[ ]
BOD	2 days	[ ]	[ ]	[X]
COD	28 days	[ ]	[ ]	[X]
Chloride	28 days	[X]	[ ]	[ ]
Cyanide, Total	14 days	[ ]	[ ]	[X]
Fluoride	28 days	[ ]	[ ]	[X]
Nitrogen, Ammonia	28 days	[ ]	[ ]	[X]
Phenols	28 days	[ ]	[ ]	[X]
Nitrogen, Nitrate	2 days	[X]	[ ]	[ ]
Nitrogen, Nitrate + Nitrite	28 days	[X]	[ ]	[ ]
TOX	28 days	[ ]	[ ]	[X]
TDS/TSS	7 days	[X]	[ ]	[ ]
Oil & Grease	28 days	[ ]	[ ]	[X]
Chromium, hexavalent	24 hrs	[ ]	[ ]	[X]

Data Validation Checklist

Holding Times Cont'd

Fecal Coliform	6 hrs	☐	☐	☒
Phosphorus	28 days	☐	☐	☒
Mercury	28 days	☐	☐	☒
Other Metals	6 Months	☐	☐	☒

Other parameters

List parameter and hold time. Note if hold time exceeded.

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks? List those parameters for which detections were found on a separate sheet and attach it to this checklist.	☐	☒	☐
Were surrogate recoveries within the appropriate control ranges? List those surrogates for which recoveries were out of the control range on a separate sheet and attach it to this checklist.	☐	☐	☒
Were laboratory control spikes within the appropriate control ranges? List those parameters for which spikes were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? List those parameters for which the RPD was greater than 20% on a separate sheet and attach it to this checklist.	☐	☒	☐

Notes:

Field duplicate RPD for nitrite,nitrogen and nitrate, nitrogen is greater than advisory limot of 20% RPD. See attached summary sheet.

A07-7106: samples were received without a COC and no times listed on bottle labels. Logged under assumed sampled date of 6/25/07.

Chloride in G112 inconsistent with historical trends. Reanalysis performed and confirmed value.

TDS in MW1S and MW25S inconsistent with historical trends. Reanalysis performed and confirmed values.

Nitrate and nitrite were subcontracted to EMT to accommodate short hold times.

Summary of Field Duplicate Results Compared to Sample Results
June 2007
Data Validation - Job Nos. A07-6865; A07-6948; A07-7106; A07-7828

Well I.D.	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW5IR	6/19/2007	A07-6865	07060522-06	<0.25
DUP	6/19/2007	A07-6865	07060522-07	2.02
RPD				156%

Well I.D.	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW12IR	6/19/2007	A07-6865	07060522-12	1.71
DUP	6/19/2007	A07-6865	07060522-13	<0.25
RPD				149%

Well I.D.	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW2SR	6/20/2007	A07-6865	07060553-02	9.27
DUP2	6/20/2007	A07-6865	07060553-02	7.3
RPD				24%

Notes:
RPD - Relative Percent Difference
Advisory acceptance limits for field duplicate RPD is <20%.
EMT Laboratory performed the short hold time analysis on the above samples.

Data Validation Checklist

Date 10/25/2007

Validator Name Heather Powell-Olson

Client: Waste Management

Facility: Tri-County Landfill

Event: Annual 2007 Groundwater Monitoring Event

Laboratory: STL Buffalo and EMT Laboratories

Sampling Dates: June 18/07 through June 25/07

Sample Delivery Group: A07-6867; A07-6950; A07-7010; A07-7102; A07-7827

	Yes	No	NA
Were the correct analytical methodologies used? List those parameters for which incorrect methodologies were employed on a separate sheet and attach it to this checklist.	X		

Were holding times for analytical samples met? List those parameters that were analyzed outside hold times on a separate sheet and attache to this checklist.

		Yes	No	NA
VOC	14 days	X		
SVOC	7 days pre-extraction, 40 days post - extraction	X		
Pesticides/Herbicides/ PCBs	7 days pre-extraction, 40 days post - extraction			X
Alkalinity	14 days	X		
Sulfate	28 days	X		
TOC	28 days	X		
BOD	2 days			X
COD	28 days			X
Chloride	28 days	X		
Cyanide, Total	14 days	X		
Fluoride	28 days			X
Nitrogen, Ammonia	28 days			X
Phenols	28 days			X
Nitrogen, Nitrate	2 days	X		
Nitrogen, Nitrate + Nitrite	28 days	X		
TOX	28 days			X
TDS/TSS	7 days	X		
Oil & Grease	28 days			X
Chromium, hexavalent	24 hrs			X

Data Validation Checklist

Holding Times Cont'd

Fecal Coliform	6 hrs	☐	☐	☒
Phosphorus	28 days	☐	☐	☒
Mercury	28 days	☒	☐	☐
Other Metals	6 Months	☒	☐	☐

Other parameters

List parameter and hold time. Note if hold time exceeded.

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks? List those parameters for which detections were found on a separate sheet and attach it to this checklist.	☐	☒	☐
Were surrogate recoveries within the appropriate control ranges? List those surrogates for which recoveries were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were laboratory control spikes within the appropriate control ranges? List those parameters for which spikes were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? List those parameters for which the RPD was greater than 20% on a separate sheet and attach it to this checklist.	☐	☒	☐

Notes:

Alkalinity in MW5IR inconsistent with historical trends. Reanalysis performed and confirmed value.

TDS in MW40DR and MW5Ir inconsistent with historical trends. Reanalysis performed and confirmed values.

Chloride in MW5IR inconsistent with historical trends. Reanalysis performed and confirmed value.

TOC in MW10I inconsistent with historical trends. Reanalysis performed and confirmed value.

TSS in MW10S, MW38S and MW41S inconsistent with historical trends. Reanalysis performed and confirmed values.

Chloride and sulfate in MW41S inconsistent with historical trends. Reanalysis performed and confirmed values.

Chloride in MW38S inconsistent with historical trends. Reanalysis performed and confirmed value.

Nitrate and nitrite were subcontracted to EMT to accommodate short hold times.

Data Validation Checklist

Date: 10/24/2007

Validator Name: Heather Powell-Olson

Client: Waste Management

Facility: Tri-County Landfill

Event: Annual 2007 Groundwater Monitoring Event

Laboratory: STL Buffalo

Sampling Dates: June 18/07 through June 25/07

Sample Delivery Group: A07-6947

	Yes	No	NA
Were the correct analytical methodologies used? List those parameters for which incorrect methodologies were employed on a separate sheet and attach it to this checklist.	[X]	[ ]	[ ]

Were holding times for analytical samples met? List those parameters that were analyzed outside hold times on a separate sheet and attache to this checklist.

		Yes	No	NA
VOC	14 days	[X]	[ ]	[ ]
SVOC	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Pesticides/Herbicides/ PCBs	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Alkalinity	14 days	[X]	[ ]	[ ]
Sulfate	28 days	[X]	[ ]	[ ]
TOC	28 days	[X]	[ ]	[ ]
BOD	2 days	[ ]	[ ]	[X]
COD	28 days	[ ]	[ ]	[X]
Chloride	28 days	[X]	[ ]	[ ]
Cyanide, Total	14 days	[ ]	[ ]	[X]
Fluoride	28 days	[ ]	[ ]	[X]
Nitrogen, Ammonia	28 days	[ ]	[ ]	[X]
Phenols	28 days	[ ]	[ ]	[X]
Nitrogen, Nitrate	2 days	[ ]	[ ]	[X]
Nitrogen, Nitrate + Nitrite	28 days	[ ]	[ ]	[X]
TOX	28 days	[ ]	[ ]	[X]
TDS/TSS	7 days	[X]	[ ]	[ ]
Oil & Grease	28 days	[ ]	[ ]	[X]
Chromium, hexavalent	24 hrs	[ ]	[ ]	[X]

Data Validation Checklist

Holding Times Cont'd

Fecal Coliform	6 hrs	☐	☐	☒
Phosphorus	28 days	☐	☐	☒
Mercury	28 days	☐	☐	☒
Other Metals	6 Months	☐	☐	☒

Other parameters

List parameter and hold time. Note if hold time exceeded.

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks? List those parameters for which detections were found on a separate sheet and attach it to this checklist.	☐	☒	☐
Were surrogate recoveries within the appropriate control ranges? List those surrogates for which recoveries were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were laboratory control spikes within the appropriate control ranges? List those parameters for which spikes were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? List those parameters for which the RPD was greater than 20% on a separate sheet and attach it to this checklist.	☐	☐	☒

Notes:

TDS in MW1DR inconsistent with historical trends. Reanalysis performed and confirmed value.

TOC in MW1DR inconsistent with historical trends. Reanalysis performed and confirmed value.

Data Validation Checklist

Date: 10/24/2007

Validator Name: Heather Powell-Olson

Client: Waste Management

Facility: Tri-County Landfill

Event: Annual 2007 Groundwater Monitoring Event

Laboratory: STL Buffalo and EMT Laboratories

Sampling Dates: June 18/07 through June 25/07

Sample Delivery Group: A07-6949

	Yes	No	NA
Were the correct analytical methodologies used?	[X]	[ ]	[ ]

List those parameters for which incorrect methodologies were employed on a separate sheet and attach it to this checklist.

Were holding times for analytical samples met?

List those parameters that were analyzed outside hold times on a separate sheet and attache to this checklist.

		Yes	No	NA
VOC	14 days	[X]	[ ]	[ ]
SVOC	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Pesticides/Herbicides/ PCBs	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Alkalinity	14 days	[X]	[ ]	[ ]
Sulfate	28 days	[X]	[ ]	[ ]
TOC	28 days	[X]	[ ]	[ ]
BOD	2 days	[ ]	[ ]	[X]
COD	28 days	[ ]	[ ]	[X]
Chloride	28 days	[X]	[ ]	[ ]
Cyanide, Total	14 days	[ ]	[ ]	[X]
Fluoride	28 days	[ ]	[ ]	[X]
Nitrogen, Ammonia	28 days	[ ]	[ ]	[X]
Phenols	28 days	[ ]	[ ]	[X]
Nitrogen, Nitrate	2 days	[ ]	[ ]	[X]
Nitrogen, Nitrate + Nitrite	28 days	[ ]	[ ]	[X]
TOX	28 days	[ ]	[ ]	[X]
TDS/TSS	7 days	[X]	[ ]	[ ]
Oil & Grease	28 days	[ ]	[ ]	[X]
Chromium, hexavalent	24 hrs	[ ]	[ ]	[X]

Data Validation Checklist

Holding Times Cont'd

Fecal Coliform	6 hrs	☐	☐	☒
Phosphorus	28 days	☐	☐	☒
Mercury	28 days	☐	☐	☒
Other Metals	6 Months	☐	☐	☒

Other parameters

List parameter and hold time. Note if hold time exceeded.

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks? List those parameters for which detections were found on a separate sheet and attach it to this checklist.	☐	☒	☐
Were surrogate recoveries within the appropriate control ranges? List those surrogates for which recoveries were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were laboratory control spikes within the appropriate control ranges? List those parameters for which spikes were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? List those parameters for which the RPD was greater than 20% on a separate sheet and attach it to this checklist.	☐	☐	☒

Notes:

Data Validation Checklist

Date: 10/24/2007

Validator Name: Heather Powell-Olson

Client: Waste Management

Facility: Tri-County Landfill

Event: Annual 2007 Groundwater Monitoring Event

Laboratory: STL Buffalo

Sampling Dates: June 18/07 through June 25/07

Sample Delivery Group: A07-6963 (Water Levels at PZ29 and PZ32)

	Yes	No	NA
Were the correct analytical methodologies used? *List those parameters for which incorrect methodologies were employed on a separate sheet and attach it to this checklist.*	☐	☐	☒

Were holding times for analytical samples met?
List those parameters that were analyzed outside hold times on a separate sheet and attache to this checklist.

		Yes	No	NA
VOC	14 days	☐	☐	☒
SVOC	7 days pre-extraction, 40 days post - extraction	☐	☐	☒
Pesticides/Herbicides/ PCBs	7 days pre-extraction, 40 days post - extraction	☐	☐	☒
Alkalinity	14 days	☐	☐	☒
Sulfate	28 days	☐	☐	☒
TOC	28 days	☐	☐	☒
BOD	2 days	☐	☐	☒
COD	28 days	☐	☐	☒
Chloride	28 days	☐	☐	☒
Cyanide, Total	14 days	☐	☐	☒
Fluoride	28 days	☐	☐	☒
Nitrogen, Ammonia	28 days	☐	☐	☒
Phenols	28 days	☐	☐	☒
Nitrogen, Nitrate	2 days	☐	☐	☒
Nitrogen, Nitrate + Nitrite	28 days	☐	☐	☒
TOX	28 days	☐	☐	☒
TDS/TSS	7 days	☐	☐	☒
Oil & Grease	28 days	☐	☐	☒
Chromium, hexavalent	24 hrs	☐	☐	☒

Data Validation Checklist

Holding Times Cont'd

Fecal Coliform	6 hrs	☐	☐	☒
Phosphorus	28 days	☐	☐	☒
Mercury	28 days	☐	☐	☒
Other Metals	6 Months	☐	☐	☒

Other parameters

List parameter and hold time. Note if hold time exceeded.

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks? List those parameters for which detections were found on a separate sheet and attach it to this checklist.	☐	☐	☒
Were surrogate recoveries within the appropriate control ranges? List those surrogates for which recoveries were out of the control range on a separate sheet and attach it to this checklist.	☐	☐	☒
Were laboratory control spikes within the appropriate control ranges? List those parameters for which spikes were out of the control range on a separate sheet and attach it to this checklist.	☐	☐	☒
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? List those parameters for which the RPD was greater than 20% on a separate sheet and attach it to this checklist.	☐	☐	☒

Notes:

Water Levels at piezometers PZ29 and PZ32

Data Validation Checklist

Date: 10/24/2007

Validator Name: Heather Powell-Olson

Client: Waste Management

Facility: Tri-County Landfill

Event: Annual 2007 Groundwater Monitoring Event

Laboratory: STL Buffalo and EMT Laboratories

Sampling Dates June 18/07 through June 25/07

Sample Delivery Group: A07-7830

	Yes	No	NA
Were the correct analytical methodologies used?	[X]	[ ]	[ ]

List those parameters for which incorrect methodologies were employed on a separate sheet and attach it to this checklist.

Were holding times for analytical samples met?

List those parameters that were analyzed outside hold times on a separate sheet and attache to this checklist.

		Yes	No	NA
VOC	14 days	[ ]	[ ]	[X]
SVOC	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Pesticides/Herbicides/ PCBs	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Alkalinity	14 days	[ ]	[ ]	[X]
Sulfate	28 days	[ ]	[ ]	[X]
TOC	28 days	[ ]	[ ]	[X]
BOD	2 days	[ ]	[ ]	[X]
COD	28 days	[ ]	[ ]	[X]
Chloride	28 days	[ ]	[ ]	[X]
Cyanide, Total	14 days	[ ]	[ ]	[X]
Fluoride	28 days	[ ]	[ ]	[X]
Nitrogen, Ammonia	28 days	[ ]	[ ]	[X]
Phenols	28 days	[ ]	[ ]	[X]
Nitrogen, Nitrate	2 days	[X]	[ ]	[ ]
Nitrogen, Nitrate + Nitrite	28 days	[X]	[ ]	[ ]
TOX	28 days	[ ]	[ ]	[X]
TDS/TSS	7 days	[ ]	[ ]	[X]
Oil & Grease	28 days	[ ]	[ ]	[X]
Chromium, hexavalent	24 hrs	[ ]	[ ]	[X]

Data Validation Checklist

Holding Times Cont'd

Fecal Coliform	6 hrs	☐	☐	☒
Phosphorus	28 days	☐	☐	☒
Mercury	28 days	☐	☐	☒
Other Metals	6 Months	☐	☐	☒

Other parameters

List parameter and hold time. Note if hold time exceeded.

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks? List those parameters for which detections were found on a separate sheet and attach it to this checklist.	☐	☒	☐
Were surrogate recoveries within the appropriate control ranges? List those surrogates for which recoveries were out of the control range on a separate sheet and attach it to this checklist.	☐	☐	☒
Were laboratory control spikes within the appropriate control ranges? List those parameters for which spikes were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? List those parameters for which the RPD was greater than 20% on a separate sheet and attach it to this checklist.	☐	☒	☐

Notes:

Field duplicate RPD for nitrite,nitrogen and nitrate, nitrogen is greater than advisory limot of 20% RPD. See attached summary sheet.

Nitrate and nitrite were subcontracted to EMT to accommodate short hold times.

Summary of Field Duplicate Results Compared to Sample Results
June 2007
Data Validation - Job No. A07-7830

Well I.D.	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW5IR	6/19/2007	A07-7830	07060522-06	<0.25
DUP	6/19/2007	A07-7830	07060522-07	2.02
RPD				156%

Well I.D.	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW12IR	6/19/2007	A07-7830	07060522-12	1.71
DUP	6/19/2007	A07-7830	07060522-13	<0.25
RPD				149%

Notes:
RPD - Relative Percent Difference
Advisory acceptance limits for field duplicate RPD is <20%.
EMT Laboratory performed the short hold time analysis on the above samples.

Data Validation Checklist

Date: 10/24/2007

Validator Name: Heather Powell-Olson

Client: Waste Management

Facility: Tri-County Landfill

Event: Annual 2007 Groundwater Monitoring Event

Laboratory: STL Buffalo and EMT Laboratories

Sampling Dates: June 18/07 through June 25/07

Sample Delivery Group: A07-7831

	Yes	No	NA
Were the correct analytical methodologies used? List those parameters for which incorrect methodologies were employed on a separate sheet and attach it to this checklist.	[X]	[ ]	[ ]

Were holding times for analytical samples met?
List those parameters that were analyzed outside hold times on a separate sheet and attache to this checklist.

		Yes	No	NA
VOC	14 days	[ ]	[ ]	[X]
SVOC	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Pesticides/Herbicides/ PCBs	7 days pre-extraction, 40 days post - extraction	[ ]	[ ]	[X]
Alkalinity	14 days	[ ]	[ ]	[X]
Sulfate	28 days	[ ]	[ ]	[X]
TOC	28 days	[ ]	[ ]	[X]
BOD	2 days	[ ]	[ ]	[X]
COD	28 days	[ ]	[ ]	[X]
Chloride	28 days	[ ]	[ ]	[X]
Cyanide, Total	14 days	[ ]	[ ]	[X]
Fluoride	28 days	[ ]	[ ]	[X]
Nitrogen, Ammonia	28 days	[ ]	[ ]	[X]
Phenols	28 days	[ ]	[ ]	[X]
Nitrogen, Nitrate	2 days	[X]	[ ]	[ ]
Nitrogen, Nitrate + Nitrite	28 days	[X]	[ ]	[ ]
TOX	28 days	[ ]	[ ]	[X]
TDS/TSS	7 days	[ ]	[ ]	[X]
Oil & Grease	28 days	[ ]	[ ]	[X]
Chromium, hexavalent	24 hrs	[ ]	[ ]	[X]

Data Validation Checklist

Holding Times Cont'd

Fecal Coliform	6 hrs	☐	☐	☒
Phosphorus	28 days	☐	☐	☒
Mercury	28 days	☐	☐	☒
Other Metals	6 Months	☐	☐	☒

Other parameters

List parameter and hold time. Note if hold time exceeded.

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks? List those parameters for which detections were found on a separate sheet and attach it to this checklist.	☐	☒	☐
Were surrogate recoveries within the appropriate control ranges? List those surrogates for which recoveries were out of the control range on a separate sheet and attach it to this checklist.	☐	☐	☒
Were laboratory control spikes within the appropriate control ranges? List those parameters for which spikes were out of the control range on a separate sheet and attach it to this checklist.	☒	☐	☐
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? List those parameters for which the RPD was greater than 20% on a separate sheet and attach it to this checklist.	☐	☒	☐

Notes:

Field duplicate RPD for nitrite,nitrogen and nitrate, nitrogen is greater than advisory limot of 20% RPD. See attached summary sheet.

Nitrate and nitrite were subcontracted to EMT to accommodate short hold times.

Summary of Field Duplicate Results Compared to Sample Results
June 2007
Data Validation - Job No. A07-7831

Well I.D	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW12IR	6/19/2007	A07-7831	07060522-12	1.71
DUP	6/19/2007	A07-7831	07060522-13	<0.25
RPD				156%

Well I.D	Sample Date	STL Job No.	EMT Lab I.D. No.	Nitrogen, Nitrate(asN) (mg/L)
MW2SR	6/20/2007	A07-7831	07060523-02	9.28
DUP 2	6/20/2007	A07-7831	07060523-10	7.3
RPD				24%

Notes:
RPD - Relative Percent Difference
Advisory acceptance limits for field duplicate RPD is <20%.
EMT Laboratory performed the short hold time analysis on the above samples.

APPENDIX L

TRI-COUNTY LANDFILL
SUMMARY OF MONITORING DATA FOR LANDFILL GAS PROBES AND GAS WELLS
JUNE 2007

TRI COUNTY

File D Tr. Ch

Gas Probe Monitoring Data

Monitoring done with a GEM 2000

DATE	G P 01	HWY 25 BLACK JACKS G P 01	ARC DISPOSAL SOUTH FENCE GP-2	SOUTH West Gate GP 3	Waste West Parking lot GP 8	Flare Vac. BARO.
1/31/2007		0%	5.0%	0%	0%	15 / 30.85
2/1/2007		0%	35%	0%	0%	12 / 30.1
3/23/2007		0%	28%	0%	0%	5.4 / 30.85
4/20/2007		0%	6%	0%	0%	6.0 / 30.95
5/30/2007		0%	4%	0%	0%	5.7 / 30.8
6/29/2007		0%	0.5%	0%	0%	4.8 / 30.75
7/26/2007		0%	0 5%	0%	0%	3.3 / 30.7

MONTHLY MONITORING FORM
TRI-COUNTY/[redacted]S
LANDFILL GAS CONTROL SYSTEM
(REVISED 03/15/07)

Date: 03/21/07

Time: Start: 1210 End: 1615

Temperature (°F) [15] and Time: 50°F @ 1210

Barometric Pressure (in. Hg) [25]: Trend: F S R (circle one)

General Landfill Cap/Vegetation Conditions: Good Condition

Recent Precipitation: Currently raining - Some thunder, ground saturated

Monitored By: D Kidwell

Gas Detector Make and Model No.: GEM500

Serial No.: 639

Date Last Calibrated: 03/21/07 (field cal)

Gas Extraction Trench	Header Pressure (in H_2O)	Differential Press ~~Temp~~ (in H_2O)	Temp ~~Pressure~~ (°F ~~in H_2O~~)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2] (ft)
GW01	-2.8	0.0	48°F	0.0	8.2	17.9	4.4	69.5	20	NC	29.90
GW02	-2.6	-0.04	57	0.0	12.0	20.7	4.0	63.3	25	NC	30.41
GW03	-2.1	-0.05	56	0.0	8.1	18.3	4.2	69.4	20	NC	31.36
GW04	-2.4	-0.67	55	0.0	12.9	20.0	4.1	63.0	20	NC	33.58
GW05	-2.3	-0.11	54	0.0	17.0	19.9	3.7	59.4	20	NC	32.98
GW06	-1.8	0.0	53	0.0	0.0	4.8	12.6	82.6	Shut	NC	30.10
GW22	-0.3	0.0	57	0.0	34.5	18.2	3.1	44.2	20	NC	36.95
GW23	-0.3	0.0	65	0.0	35.5	19.6	3.0	41.8	20	NC	34.05
GW24	-0.4	0.0	72	0.0	1.5	0.8	17.8	79.9	20	NC	21.42
GW25	-0.5	-1.33	65	26	18.0	18.0	3.1	60.9	20	NC	28.00
GW26	-0.7	-2.72	63	38	35.0	20.0	3.5	41.5	30	NC	26.02
GW27	-0.7	0.0	72	39	1.4	0.8	18.0	72.8	20	NC	20.98
GW28	-1.0	0.0	57	33	24.9	20.2	4.0	50.9	100	NC	24.83

Monthly Monitoring Form
Tri-County/Elgin Landfills

Gas Extraction Trench	Header Pressure (in H_2O)	Differential Press ~~Temp (°F)~~	Temp ~~Trench Pressure (in H_2O)~~	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]
GW29	-1.2	+0.64	76°F	9	16.8	17.3	3.6	62.3	20	NC	27.27
GW30	-1.6	+0.10	62	2	17.2	16.4	3.5	62.9	20	NC	45.77
GW31	-1.9	0.0	68	0.0	11.8	12.7	7.6	67.9	20	NC	22.45
GW32	-2.3	0.0	62	0.0	12.1	16.8	3.4	67.7	20	NC	24.66
GW33	-2.5	~~0.0~~ +0.18	58	3	21.2	18.1	3.7	57.0	20	NC	44.30
GW34	-2.4	~~+0.18~~ +1.15	62	13	30.3	21.9	3.5	44.3	30	NC	41.65
GW35	-1.8	-0.08	57	0.0	23.6	20.0	3.2	53.2	30	NC	43.33
GW40	-1.6	+2.92	63	22	30.0	16.8	3.8	49.4	50	NC	47.12
GW41	-0.3	0.0	65	0.0	41.5	23.1	3.3	32.1	100	NC	48.28
GW42	-0.3	0.0	65	0.0	23.9	17.3	3.0	55.8	20	NC	34.05
GW43	-0.6	0.0	57	0.0	27.1	19.0	3.5	50.4	40	NC	40.97
GW44	-1.3	0.0	63	0.0	29.9	21.1	3.7	45.3	100	NC	48.28
GT01	-0.2	0.0	60	0.0	7.6	11.6	3.6	77.2	20	NC	See
GT02	-0.3	0.0	56	0.0	20.5	13.5	4.2	61.8	20	NC	Notes
GT03	-0.3	+0.36	68	0.0	31.5	16.4	3.1	49.0	20	NC	

Blower	Static Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Temp (°F)
Blower In	-3.9	0.0	23.6	17.0	5.4	54.0	10%	NC	48°F
Blower Out	+2.8	0.0	30.4	21.7	2.5	45.4	N/A		46°F

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.

(2) Depth to water (measure quarterly).

Note: Lubricate bearings/motors as necessary

Notes: Trenches are installed at slight angles. I could not get the water level probe to drop through the orific center. Could not get water levels.

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 04/13/07

Time: Start 1055 End 1400 Temp (°F) & Time: 40°F 1100

Barometric Pressure (in. Hg) [25]: 30.16 Trend: (I) S R (circle one)

General Landfill Cap Vegetation Conditions: Good

Recent Precipitation: 0.75 in.

Monitored By: Lamon Silvey

Gas Detector Make and Model No.: GFM 500 Serial No: 639

Date Meter Last Calibrated: 04/13/07 (Field calibration)

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open		Water Level[2]	Integrity (OK?)
								Old	New		
GW01	-1.3	50	0.0	1.3	14.1	3.7	80.9	20	NC		#1
GW02	-1.3	60	0.0	4.9	15.4	3.6	75.6	25	NC		#1
GW03	-1.3	60	0.0	1.0	12.9	5.7	80.4	20	NC		#1
GW04	-1.3	60	0.0	2.9	14.4	4.9	72.8	20	NC		OK
GW05	-1.1	53	0.0	5.3	15.6	4.2	74.9	20	NC		OK
GW06	-1.0	62	0.0	0.0	5.3	13.8	80.9	Shut	NC		#1 #2
GW22	-0.7	60	0.0	28.0	16.4	4.2	51.4	20	NC		OK
GW23	-0.2	55	0.0	25.5	12.6	3.4	53.5	20	NC		OK
GW24	-0.7	60	0.0	0.1	0.2	18.6	81.1	20	Closed		OK
GW25	-0.9	62	0.0	12.3	16.8	4.5	66.4	20	NC		OK
GW26	-0.3	64	0.0	30.2	19.7	3.6	46.5	30	NC		OK
GW27	-0.9	64	0.0	14.6	10.7	10.3	64.4	20	NC		OK
GW28	-1.2	60	0.0	22.9	20.5	4.3	52.3	100	NC		OK
GW29	-1.3	72	0.0	8.4	13.6	5.5	72.5	20	NC		OK
GW30	-1.2	56	0.0	15.3	16.5	3.4	64.8	20	NC		OK
GW31	-1.6	62	0.0	7.4	9.8	10.3	72.5	20	10		OK
GW32	-2.0	54	0.0	4.7	14.8	3.4	77.1	20	NC		OK
GW33	-1.3	60	0.0	14.8	12.5	3.7	64.0	20	NC		#1

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW34	-1.1	60	10	30.4	30.0	3.5	56.8	30	NC		OK
GW35	-0.9	52	12	15.1	19.0	3.3	59.6	30	NC		OK
GW40	-0.9	60	37	28.5	17.1	3.6	50.8	50	NC		#1
GW41	-0.7	62	0.0	42.5	22.3	3.5	36.7	100	NC		OK
GW42	-0.8	53	0.0	12.7	16.4	3.7	62.2	20	NC		#1
GW43	-0.8	54	0.0	22.5	19.0	3.6	44.9	40	NC		OK
GW44	-1.3	62	0.0	30.2	21.0	3.9	45.0	100	NC		OK

Gas Extraction Trench	Trench Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GT01	-0.7	50	0.0	0.6	4.3	12.4	82.7	20	NC		OK
GT02	-0.5	52	0.0	1.7	7.9	9.7	80.7	20	NC		OK
GT03	-0.7	55	0.0	21.5	15.6	4.0	58.9	20	NC		OK

Blower	Static Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	N_2 (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Temp (°F)	Integrity (OK?)
Blower In	-3.1	N/A	19.5	15.8	5.5	59.2	20	NC	56°F	OK
Blower Out	+1.5	0.0	22.1	17.5	3.9	56.5	100 ~~N/A~~	NC	56°F	OK

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measure quarterly).
(3) Lubricate bearings/motors as necessary
(4) Check Integrity of well riser

Comments: Notes #1 - Need another rubber cap for a probe nipple.
#2: Fixed a rubber seal by re-inserting it into the upper header.

Closed GW24 since CH4 was 0.1 and O_2 level 18.6%

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 05/07/07

Time: Start 1130 End 1400 Temp (°F) & Time: 80°F 1000

Barometric Pressure (in Hg) [25]: 29.20 Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Good condition / could use mowing.

Recent Precipitation: 0.1 < 1.0

Monitored By: D Kidwell

Gas Detector Make and Model No. GEM500 / GMI/1 Serial No: 639

Date Meter Last Calibrated: 05/07/07

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	-1.6	76	0.0	1.3	14.1	3.7	80.9	20	NC	N/A	✗ +
GW02	-1.7	76	0.0	4.9	15.9	3.6	75.6	25	NC		+
GW03	-1.6	76	0.0	1.0	12.9	5.7	80.4	20	Closed		✗
GW04	-1.6	75	0.0	2.9	14.4	4.9	77.8	20	NC		OK
GW05	-1.1	75	0.0	5.3	15.6	4.2	74.9	20	10		OK
GW06	-1.2	76	0.0	0.0	5.3	13.8	80.9	Closed	Closed		✗ +
GW22	-0.7	72	0.0	28.0	16.4	4.2	51.4	20	NC		OK
GW23	-0.7	72	10	25.5	17.6	3.4	53.5	20	NC		OK
GW24	-0.7	82	11	0.1	0.2	18.6	81.1	20	Closed		OK
GW25	-0.8	73	0.0	17.3	16.8	4.5	61.4	20	NC		OK
GW26	-0.9	85°F	38	30.1	19.7	3.5	46.7	30	NC		OK
GW27	-1.1	80°F	0.0	0.1	0.0	18.6	81.3	20	Closed		OK
GW28	-1.3	77°F	0.0 ~~21.1~~	21.7 ~~20.0~~	20.0 ~~3~~	3.8	54.5	100	NC		OK
GW29	-1.7	80	12	8.4	13.6	5.5	72.5	20	NC		OK
GW30	-2.1	76	18	15.3	16.5	3.4	64.5	20	NC		OK
GW31	-2.0	80	0.0	7.4	9.8	10.3	72.5	20	NC		OK
GW32	-2.9	80	0.0	4.7	14.8	3.4	77.1	20	NC		OK
GW33	-1.5	73	0.0	14.8	17.5	3.7	64.0	20	NC		+ (4)

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW34	-1.6	80	11	20.4	20.0	3.8	55.8	30	NC	N/A	OK
GW35	-1.3	76	12	18.1	19.0	3.3	59.6	30	NC		OK
GW40	-1.2	73	37	28.5	17.1	3.6	50.8	50	NC		+
GW41	-0.7	71	0.0	42.5	22.8	3.5	31.2	100	NC		OK
GW42	-0.8	76	0.0	17.7	16.4	3.7	62.2	20	NC		+
GW43	-1.1	68	0.0	27.5	19.0	3.6	49.9	40	NC		OK
GW44	-1.8	64	18	30.2	21.0	3.8	45.0	100	NC		OK

Gas Extraction Trench	Trench Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GT01	-0.7	76	32	0.6	4.3	12.4	82.7	20	NC	N/A	OK
GT02	-0.7	79	10	1.7	7.9	9.7	80.7	20	NC	N/A	OK
GT03	-0.6	76	18	21.5	15.6	4.0	58.9	20	NC	N/A	+

Blower	Static Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	N_2 (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Temp (°F)	Integrity (OK?)
Blower In	-4.2	N/A	19.5	15.8	5.5	59.2	10%	NC	68	OK ✗ +
Blower Out	+2.3	0.0	22.1	12.5	3.9	56.5	N/A ~~10%~~	NC	68	OK

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measure quarterly).
(3) Lubricate bearings/motors as necessary
(4) Check Integrity of well riser

Comments: ✗ - Needs new gate valve nipple fitting (need 4) - will replace next month
+ - replaced black tip covers - (9 ea)
GW31 - will ck well next month and may adjust or close if O_2 level remains -

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 06/27/07

Time: Start 1350 End 1645 Temp (°F) & Time: 90°F @ 1350

Barometric Pressure (in. Hg) [25]: _____ Trend: F S (R) (circle one)

General Landfill Cap/Vegetation Conditions: Good / getting high

Recent Precipitation: 4" yesterday

Monitored By: D Kidwell

Gas Detector Make and Model No.: GEM500 Serial No: _____

Date Meter Last Calibrated: 06/27/07

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open		Water Level[2]	Integrity (OK?)
								Old	New		
GW01	-1.8	100	0.0	7.1	21.3	0.3	71.3	20	NC		
GW02	-1.7	95	0.0	11.1	21.8	0.3	66.8	25	NC		
GW03	-1.6	95	0.0	0.0	0.0	19.4	80.6	Shut	NC		
GW04	-1.6	93	0.0	10.0	20.6	0.3	69.1	20	NC		
GW05	-1.2	92	0.0	12.8	20.9	0.3	66.0	20	NC		
GW06	-0.5	96	0.0	0.0	0.9	17.5	81.6	Shut	NC		
GW22	-0.2	89	0.0	33.4	16.7	3.0	46.9	20	NC		
GW23	-0.3	92	0.0	34.2	20.2	2.7	42.9	20	NC		
GW24	-0.3	97	0.0	1.2	0.9	18.2	79.7	20	NC		
GW25	-0.3	92	0.0	18.2	19.0	3.3	59.5	20	NC		
GW26	-0.5	87	0.0	33.4	21.2	3.3	42.1	30	NC		
GW27	-0.5	87	0.0	1.7	0.9	18.7	78.7	20	NC		
GW28	-0.7	82	0.0	22.4	19.1	3.5	55.0	100	NC		
GW29	-2.1	88	0.0	13.7	21.4	0.8	64.1	20	NC		
GW30	-2.3	93	0.0	13.7	20.9	0.3	65.1	20	NC		
GW31	-2.4	103	0.0	17.6	18.9	1.0	62.5	10	NC		
GW32	-2.8	97	0.0	15.7	20.7	0.4	63.2	20	NC		
GW33	-1.8	82	0.0	23.8	23.4	0.4	52.4	20	NC		

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open		Water Level[2]	Integrity (OK?)
								Old	New		
GW34	-1.6	79	0.0	33.9	27.5	0.4	38.2	30	NC		
GW35	-1.3	88	0.0	24.5	24.6	0.4	50.5	30	NC		
GW40	-1.2	73	0.0	39.5	22.3	0.4	37.8	50	NC		
GW41	-0.7	72	0.0	53.2	30.0	0.4	16.4	100	NC		
GW42	-1.3	74	0.0	22.7	27.2	1.1	49.0	20	NC		
GW43	-1.4	74	0.0	28.8	26.0	0.4	44.8	40	NC		
GW44	-2.1	74	0.0	38.0	28.6	0.4	33.0	10	NC		

Gas Extraction Trench	Trench Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open		Water Level[2]	Integrity (OK?)
								Old	New		
GT01	-0.2	87	0.0	5.2	12.1	3.2	79.5	20	—		
GT02	-0.2	91	0.0	17.5	12.7	4.0	65.8	20	—		
GT03	-0.2	91	0.0	16.7	14.4	3.7	65.2	20	—		

Blower	Static Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	N_2 (%)	Valve Settings[1] (%) Open		Temp (°F)	Integrity (OK?)
							Old	New		
Blower In	-4.3		35.3	25.7	0.4	38.6	10%	—	74°F	OK
Blower Out	+2.8		34.4	25.4	0.9	39.3	—	—	74°F	OK

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measure quarterly).
(3) Lubricate bearings/motors as necessary
(4) Check Integrity of well riser

Comments: _____

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 07/13/07

Time: Start 1340 End 1630 Temp (°F) & Time 80°F 1340

Barometric Pressure (in. Hg) [25]: _____ Trend: F S R (circle one)

General Landfill Cap/Vegetation Conditions: Slightly high vegetation. Otherwise landfill ok

Recent Precipitation: _____

Monitored By: D Kidwell

Gas Detector Make and Model No.: GEM500 Serial No: 639

Date Meter Last Calibrated: 07/13/07

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	-1.1	85	0.0	12.5	22.7	0.6	64.2	20	No	30.08'	ok
GW02	-1.1	85	0.0	18.1	23.3	0.3	58.3	25		30.54'	ok
GW03	-1.0	90	0.0	0.0	0.0	19.7	80.3	Shut		32.30'	ok
GW04	-1.0	88	0.0	13.2	24.2	0.4	62.2	20		33.63'	ok
GW05	-0.8	88	0.0	13.9	23.9	0.3	61.9	20		33.17'	ok
GW06	-0.5	90	0.0	0.0	1.3	17.4	81.3	Shut		30.30'	ok
GW22	-0.2	88	0.0	34.2	17.3	2.2	46.3	20		36.99'	ok
GW23	-0.2	86	0.0	34.4	20.4	2.6	42.6	20		34.40'	ok
GW24	-0.2	88	0.0	0.9	1.4	19.0	78.7	20		21.60'	ok
GW25	-0.2	88	0.0	19.4	18.5	2.6	59.5	20		28.72'	ok
GW26	-0.3	86	0.0	35.7	21.7	2.7	39.9	30		26.18'	ok
GW27	-0.3	86	0.0	1.4	1.0	18.3	79.3	20		21.00'	ok
GW28	-0.4	86	0.0	24.4	22.2	3.3	50.1	100		24.97'	ok
GW29	-1.0	84	0.0	16.9	18.2	3.0	61.9	20		27.39'	ok
GW30	-0.9	90	0.0	13.7	17.4	3.1	65.8	20		45.80'	ok
GW31	0.0	92	0.0	15.4	13.0	4.3	67.3	10		22.62'	ok
GW32	0.0	88	0.0	15.9	16.8	3.0	64.3	20		24.74'	ok
GW33	-0.7	80	0.0	24.2	17.4	3.2	55.2	20	↓	44.32'	ok

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	New	Water Level[2]	Integrity (OK?)
GW34	-1.0	82	0.0	35.2	22.3	3.5	39.0	30	NC	41.70	ok
GW35	-0.8	85	0.0	27.4	19.7	3.0	49.9	30		43.41	ok
GW40	-0.8	80	0.0	29.7	17.2	3.4	49.7	50		47.17	ok
GW41	-0.6	80	0.0	42.4	20.9	3.3	33.4	100		45.34	ok
GW42	-1.0	80	0.0	30.7	17.5	3.3	48.5	20		34.27	ok
GW43	-1.0	80	0.0	32.3	20.4	2.9	44.4	40		41.00	ok
GW44	-1.1	80	0.0	33.4	24.4	2.9	39.3	10		48.45	ok

Gas Extraction Trench	Trench Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	New	Water Level[2]	Integrity (OK?)
GT01	-0.2	84	0.0	9.4	10.9	4.2	75.5	20	NC	SN	ok
GT02	-0.2	84	0.0	26.6	13.4	4.2	55.8	20	NC	eC	ok
GT03	-0.3	86	0.0	32.4	15.7	3.7	48.2	20	NC	eS	ok

Blower	Static Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	N_2 (%)	Valve Settings[1] (%) Open Old	New	Temp (°F)	Integrity (OK?)
Blower In	-2.8	0.0	36.0	25.9	0.5	37.6	—	—	74	ok
Blower Out	+6.7	0.0	35.5	25.5	0.7	38.3	—	—	120	ok

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measure quarterly).
(3) Lubricate bearings/motors as necessary
(4) Check Integrity of well riser

Comments: The GT wells are slightly at an angle. Cannot get probe inside to get total depths.

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 08/15/07

Time: Start 1200 End 1240 Temp (°F) & Time: 80°F @ 1000

Barometric Pressure (in. Hg) [25]: _____ Trend: F S R (circle one)

General Landfill Cap/Vegetation Conditions: Getting overgrown

Recent Precipitation: Currently raining

Monitored By: DKidwell

Gas Detector Make and Model No.: GEM500 Serial No: 639

Date Meter Last Calibrated: 08/15/07

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	-1.9	80	0.0	9.2	20.6	2.4	67.8	20	NC		OK
GW02	-1.8	80	0.0	16.1	24.1	0.2	59.6	20	"		OK
GW03	-1.8	80	0.0	0.0	0.0	19.5	80.5	Shut	"		OK
GW04	-1.8	80	0.0	9.6	20.5	0.4	69.5	20	"		OK
GW05	-1.3	78	0.0	15.1	21.7	0.4	62.8	20	"		OK
GW06	-1.5	78	0.0	0.6	1.9	16.3	81.2	Shut	"		OK
GW22	-1.5	78	0.0	39.9	21.7	1.9	36.5	20	"		OK
GW23	-0.9	70	0.0	48.2	25.6	0.3	25.9	25	"		OK
GW24	-1.2	75	0.0	33.0	20.1	3.6	43.3	Shut	20		OK
GW25	-1.1	72	0.0	26.1	24.6	0.4	48.9	20	NC		OK
GW26	-1.3	74	0.0	44.7	28.6	0.6	26.1	40	"		OK
GW27	-1.3	80	0.0	0.1	0.0	19.5	80.4	Shut	"		OK
GW28	-1.5	74	0.0	35.4	31.3	0.4	32.9	100	"		OK
GW29	-2.0	80	0.0	17.6	22.9	1.3	58.2	20	"		OK
GW30	-2.1	78	0.0	18.9	22.3	0.3	58.5	20	"		OK
GW31	-2.4	83	0.0	41.1	24.7	1.7	32.5	15	20		OK
GW32	-2.6	80	0.0	0.0	0.0	19.6	80.4	20	Shut		See notes
GW33	-1.8	77	0.0	34.3	26.4	0.4	38.9	25	NC		OK

Gas Extraction Well	Header Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW34	-1.7	80	0.0	37.9	28.7	0.3	33.1	30	NC		OK
GW35	-1.5	78	0.0	38.9	27.5	0.3	33.3	25	"		OK
GW40	-1.3	72	0.0	44.1	24.0	0.4	31.5	50	"		OK
GW41	-1.3	74	0.0	56.1	31.0	0.3	12.6	100	"		OK
GW42	-1.4	74	0.0	37.4	25.5	0.3	36.8	20	"		See notes
GW43	-1.6	70	0.0	39.3	29.6	0.4	30.7	40	"		OK
GW44	-2.1	74	0.0	45.2	30.8	0.3	23.7	100	"		OK

Gas Extraction Trench	Trench Pressure (in H_2O)	Temp (°F)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GT01	-1.5	78	0.0	26.7	13.6	0.4	59.3	20	—		OK
GT02	-1.3	74	0.0	55.9	29.7	0.4	14.0	Shut	↑20%		OK
GT03	-1.3	80	0.0	52.2	30.6	0.2	17.0	20	—		OK

Blower	Static Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal ~~N_2~~ (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Temp (°F)	Integrity (OK?)
Blower In	-4.0	N/A	37.6	26.0	0.9	35.5	20	NC	78	OK
Blower Out	+2.2	0.0	37.3	25.7	1.1	35.9	—	—	116	OK

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measure quarterly).
(3) Lubricate bearings/motors as necessary
(4) Check Integrity of well riser

Comments: Spoke to Reid Root about these already. GW32 hose has a tare & needs replacing. I shut the system isolation v/v since the CH_4 read 0.0, so hole in the flex hose will not effect flare anyway. Also GW42 static pressure test barb has broken off and needs replacing.

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: [illegible]

Time: Start [illegible] End 1445 Temp (F) & Time: 89 0900

Barometric Pressure (in. Hg) 29.98 Trend: F S R (circle one)

General Landfill Cap Vegetation Conditions: Very Good (currently being mowed)

Recent Precipitation: [illegible]

Monitored By: D. Powell

Gas Detector Make and Model No.: GA III-500 Serial No: 639

Date Meter Last Calibrated: 09/25/07

Well ID	Temp (°F)	Header Pressure (in H_2O)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (scfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	77	-1.3	-0.1	.02	2	39.5	21.7	0.8	68.0	20		30.15'	OK
GW02	79	-1.2	-0.1	.01	1	12.8	22.1	1.3	63.8	25		30.51'	OK
GW03	75	-1.2	-0.1	.02	2	6.8	19.2	0.9	73.1	20		31.12'	OK
GW04	82	-1.2	-0.1	.01	1	9.7	20.4	0.6	69.3	20		32.47'	OK
GW05	79	-1.1	-0.2	.01	1	14.5	20.9	0.5	64.1	20		33.45'	OK
GW06	82	-0.8	-0.0	0.00	Ø	3.5	6.9	9.9	79.7	0		30.15'	OK
GW22	79	-0.9	-0.6	.08	4	36.8	22.7	0.7	39.8	20		36.75'	OK
GW23	86	-0.9	-0.3	.02	2	40.8	26.4	0.2	32.6	20		37.37	OK
GW24	90	-1.1	-0.1	0.00	Ø	19.0	9.2	11.1	60.7	16		22.10	OK
GW25	86	-0.9	-0.4	.02	2	24.9	26.4	0.5	48.2	20		27.08	OK
GW26	82	-1.1	-1.0	.10	4	32.6	27.7	0.8	38.9	50		25.80	OK
GW27	87	-1.1	0.0	0.00	Ø	8.5	7.3	15.2	69.0	0		21.72	OK
GW28	82	-1.1	-1.1	0.12	4	29.7	30.8	0.9	38.6	100		25.48	OK
GW29	90	-1.4	-0.3	.02	2	16.8	23.8	0.8	58.6	20		21.31	OK
GW30	90	-1.5	-0.1	.01	1	16.7	22.4	0.3	60.6	20		27.57	OK
GW31	86	-1.8	0.0	0.00	Ø	8.8	14.2	5.9	71.1	20		25.52	OK
GW32	83	-2.2	-0.9	0.29	7	13.6	22.2	0.8	63.4	30		25.75	OK

Monthly Monitoring Form
Tri-County Landfill

Well ID	Temp (°F)	Header Pressure (in H_2O)	Well Head Pressure (in H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW33	83	-0.5	-0.4	.02	2	27.1	26.7	0.6	45.6	20		44.30	OK
GW34	78	-1.1	-0.3	.50	9	34.8	29.7	0.5	35.0	30		42.85	OK
GW35	81	-0.7	-0.2	.04	3	33.0	27.7	0.3	34.0	25		43.59	OK
GW40	77	-0.8	-0.5	.50	9	38.2	23.9	0.5	37.4	46		47.17	OK
GW41	79	-0.9	-0.7	.25	6	51.9	30.6	0.5	17.0	100		41.50	OK
GW42	84	-0.9	-0.2	.01	1	31.9	26.4	0.4	41.3	20		35.67	OK
GW43	79	-1.1	-0.9	.07	3	32.5	29.3	0.5	37.4	40		46.53	OK
GW44	76	-1.6	-1.2	.26	6	39.1	30.4	0.9	29.6	100		47.00	OK

Gas Extraction Trench	Temp (°F)	Header Pressure (in H_2O)	Trench Pressure (in H_2O)	Differential Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
GT01	92	-1.0	0.6	.03	2	29.1	17.5	0.1	53.3	20		OK
GT02	92	-0.5	0.6	.02	2	51.5	28.6	0.2	19.7	20		OK
GT03	93	-0.9	0.0	.02	2	49.3	31.7	0.3	18.7	20		OK

Blower	Temp (°F)	Static Pressure (in H_2O)	Differential Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
Blower In	74	-35.5	n/a	n/a (scfm)	29.0	22.8	3.8	44.4	10		Good
Blower Out	112	+2.4	+.78	197	33.3	26.7	0.9	39.1	n/a	n/a	Good

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measure quarterly)
(3) Lubricate bearings/motors as necessary
(4) Check Integrity of well riser

Comments: GW41 - There is a glue like substance that sticks to water level probe when getting water level here.

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date 10/29/07

Time Start 1205 End

Temp (°F) & Time 48°F

Barometric Pressure (in. Hg). 30.51

Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Good

Recent Precipitation: Ø

Monitored By DK & VM

Gas Detector Make and Model No.: GEM 500 Serial No.

Date Meter Last Calibrated 10/29/07

Well ID	Temp (°F)	Header Pressure (in H_2O)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	63°	-0.2	0.0	0.02	2	23.4	22.1	3.1	46.4	20			OK
GW02	64°	-0.2 ~~0.0~~	0.0	0.00	~~Ø~~ Ø	16.3	28.1	2.2	53.4	20			OK
GW03	67°	-0.3	0.0	0.01	1	1.4	17.4	0.9	80.3	20			OK
GW04	66°	-0.2	0.0	0.04	3	20.6	31.7	0.6	42.1	20			OK
GW05	66°	-0.1	0.0 ~~0.2~~	0.01 ~~0.26~~	~~X~~ 1	20.5	28.9	0.6	50.0	20			See Note #1
GW06	71°	+0.1	+0.1	0.02	2	5.3	23.4	1.0	70.3	Ø			OK
GW22	64	-0.7 ~~0.0~~	-0.4	0.01	1	44.1	31.3	0.6	24.0	20			OK
GW23	65	-0.6	0.0	-0.02	2	52.5	37.7	0.4	9.4	20			OK
GW24	71	-0.8	+0.2	+0.04	3	35.0	22.1	2.9	40.0	20			See E-B
GW25	68	-0.8	-0.1	0.03	2	21.4	32.8	0.6	45.2	20			OK
GW26	64	-1.0	-0.9	0.08	4	34.2	36.1	0.9	28.8	50			OK
GW27	68	-1.2	0.0	0.0	Ø	0.3	0.3	18.9	80.5	Ø			OK
GW28	68	-1.4	-1.4	-0.18	6	31.4	39.8	1.2	22.6	100			OK
GW29	75	-1.8	-0.3	-0.09	4	18.6	29.3	1.4	50.7	20			#6
GW30	64	-2.1	-0.3	-0.04	3	18.1	29.8	0.7	51.4	20			OK
GW31	73	-2.5	-0.2	-0.02	2	12.3	20.9	2.0	64.8	20			OK
GW32	66	-3.0	-1.2	+0.13	2	14.0	29.0	1.2	55.8	30			OK

6

Monthly Monitoring Form
Tri County Landfill

Well ID	Temp (°F)	Header Pressure (in H_2O)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW33	66	-0.2	0	[illegible]	0	33.1	37.7	0.6	28.6	20			OK
GW34	66	-0.1	0.0	+0.27	5	42.7	46.7	0.4	16.2	30			Note #5
GW35	65	-0.1	+0.2	+0.08	2	36.7	37.3	0.3	25.7	25			OK Note #2
GW40	64	0.0	-0.0	+0.40	7	47.6	31.7	0.3	20.4	60			
GW41	65	-0.5	-0.3	0.24	5	68.0	31.5	0.5	0.0	100			OK Note #4
GW42	65	-0.0	+0.1	0.04	1	36.1	38.9	0.4	24.6	20			
GW43	62	-0.8	-0.6	0.07	2	38.7	32.2	0.4	28.7	50			OK
GW44	65	-1.5	-1.7	+0.55	9	46.8	42.3	0.9	10.0	10			OK

Gas Extraction Trench	Temp (°F)	Header Pressure (in H_2O)	Trench Pressure (in H_2O)	Differential Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
GT01	66	-0.0	0.0	0.0	0	31.3	25.6	0.5	42.6	20		OK
GT02	67	-0.7	0.0	0.0	0	43.5	31.1	0.5	24.9	20		OK
GT03	67	-0.6	0.0	0.0	0	42.6	39.1	0.4	12.9	20		OK

Blower	Temp (°F)	Static Pressure (in H_2O)	Differential Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
Blower In	65	-4.6	n/a	n/a	37.2	32.9	2.5	27.4	20		
Blower Out	104	+2.5			42.8	38.9	0.7	18.1	n/a	n/a	

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measure quarterly)
(3) Lubricate bearings motors as necessary
(4) Check integrity of well riser

Comments: Note #1 4" Flange on discharge valve has cracks. Note #2 Ferrico worked loose, we refitted it into position & tightened it down. Note #3 Ferrico worked loose, we refitted it & tightened. Note #4 Tightened the Ferrico. Note #5 Ferrico worked loose, we refitted it. Note #6 Ferrico worked loose, we repositioned it & tightened it down.

TRI-COUNTY LANDFILL

Gas Probe Monitoring Data

Monitoring done with a GEM-2000

DATE	G.P. 01	HWY 25 BLACK JACKS G.P. 01		ARC DISPOSAL SOUTH FENCE GP-2		SOUTH West Gate GP 3		Waste West Parking lot GP 8		Flare Vac. BARO.
9/28/2006		0%		1.5%		0%		0%		5.1 / 30.4
10/31/2006		0%		5.0%		0%		0%		5.5 / 30.8
11/30/2006		0%		25.0%		0%		0%		5.3 / 30.7
12/21/2006		0%		45.0%		0%		0%		9.3 / 30.85
1/31/2007		0%		5.0%		0%		0%		15 / 30.85
2/1/2007		0%		35%		0%		0%		12 / 30.1
3/23/2007		0%		28%		0%		0%		5.4 / 30.85
4/20/2007		0%		6%		0%		0%		6.0 / 30.95
5/30/2007		0%		4%		0%		0%		5.7 / 30.8
6/29/2007		0%		0.5%		0%		0%		4.8 / 30.75
7/26/2007		0%		0.5%		0%		0%		3.3 / 30.7
8/30/2007		0.00%		4.5%		0.00%		0.00%		4.3 / 30.8
9/27/2007		0.00%		78.0%		0.00%		0.00%		4.3 / 30.55
10/29/2007		0.00%		25.0%		0.00%		0.00%		5.6 / 31.05

Gas Probe Monitoring Data

Monitoring done with a N.P.204

DATE	HWY 25 BLACK JACKS	MW13IR	ARC DISPOSAL SOUTH FENCE MIDDLE	MW05IR	MW05SR	FIELD VACUUM W.C.
	A	B	C	D	E	
12/5/2001	0.00%	10%	0.00%	0.00%		10.0
12/28/2001	0.00%	10%	0.00%	0.00%		12.0
1/30/2001	0.00%	10%	0.00%	0.00%		9.0
2/28/2001	0.00%	15%	0.00%	0.00%	0.00%	7.0
3/23/2001	0.00%	20%	1.0%	0.00%	0.00%	6.4
4/30/2001	0.00%	20%	0.00%	0.00%	0.00%	2.4
5/22/2001	0.00%	20%	1.0%	0.00%	0.00%	3.4
Jun-01	0.00%	20%	1.0%	0.00%	0.00%	7.8
7/31/2001	0.00%	20%	1.0%	0.00%	0.00%	6.8
8/10/2001	0.00%	5%	%.5	0.00%	0.00%	6.4
9/5/2001	0.00%	5%	%.5	0.00%	0.00%	8.2
10/31/2001	0.00%	5%	%.5	0.00%	0.00%	6.2
11/30/2001	0.00%	4%	%.25	0.00%	0.00%	6.0
12/27/2001	0.00%	4%	%.25	0.00%	0.00%	10.0
1/28/2002	0.00%	4%	%.25	0.00%	0.00%	13.0
2/28/2002	0.00%	4%	%.5	0.00%	0.00%	8.5
3/20/2002	0.00%	15%	%.5	0.00%	0.00%	9.0
4/30/2002	0.00%	20.00%	0.00%	0.00%	0.00%	6.5
5/28/2002	0.00%	20.00%	0.00%	0.00%	0.00%	7.0
6/28/2002	0.00%	20.00%	0.00%	0.00%	0.00%	7.2

APPENDIX M

TRI-COUNTY LANDFILL
OPEN UTILITY FLARE LOG
2007

Personnel : Re d Roo

TRI-COUNTY LANDFILL
OPEN UTIL FLARE LOG

Date	Time	Temp.	Bar.	D. P.	Flow	%O2	%N2	%CH4	Vac	GAS Temp	Flare Temp.	Blower amps	Comments
01-Jan-07	800	30	30 3	0.5	109	0.6	41.2	32.6	9.2	45	1296	6.2	
3	800	28	30 8	0.5	109	1.6	46.9	28.9	9.4	50	1294	6.2	
5	800	45	30 3	0.5	109	1.4	45	29.1	9.3	50	1244	6.2	
8	700	20	30.45	0.45	104	1.2	42.9	27.9	15	45	1324	6	
9	700	20	30 6	0.45	104	1.3	43	27.5	15	45	1175	6.2	
11	700	30	30.55	0.45	104	1.1	43	28.2	15	45	1242	6.2	
12	530	40	30 6	0.45	104	0.93	44.5	26.8	15	50	1150	6.2	
16	800	10	31.05	0.45	104	1.3	43	27	15	45	1100	6.2	
18	600	20	30.35	0.45	104	1.4	45.3	26.8	15	45	1110	6.3	
19	700	15	30 9	0.45	104	1	43.7	27.7	15	40	1330	6.1	
22	1100	30	30.75	0.45	104	1.2	43.8	27.2	15	45	1290	6.2	
24	700	20	30 8	0.45	104	2.2	47.5	25.1	15	45	1244	6.2	
26	700	20	30 5	0.45	104	2	47.1	25.7	15	40	1218	6.2	
29	1100	25	30 5	0.55	115	1.9	44.8	28.9	15	40	1400	6.4	
30	800	5	30.35	0.55	115	1.8	44.6	28.2	15	40	1100	6.4	
31	700	0	30.35	0.55	115	2	45.5	27.1	16	40	1120	6.5	
01-Feb-07	800	15	30 4	0.55	115	0.76	41.4	30.3	14	40	1325	6.5	
2	800	50	30.35	0.6	120	0.88	43.2	29.1	15	40	1296	6.4	
5	800	-10	31 1	0.6	115	1.1	45.3	27.7	15	40	1210	6.5	
16	800	-2	30 9	0.55	109	1	43.9	27.9	13	35	1330	6.4	
19	900	18	30 4	0.5	95	1	43	26.9	6	45	1390	6.4	
21	700	26	30 7	0.4	95	1.2	44.3	26.2	6	40	1310	6.5	
01-Mar-07	800	36	30 1	0.5	109	1.2	43.6	33.2	12	40	1280	6	
2	800	28	29.65	0.5	109	1.4	45	30	13	40	1250	6.3	
5	800	25	30 9	0.5	109	1.5	45.3	28.9	13	40	1200	6.4	
7	800	25	30 9	0.4	95	0.99	40	34	10	40	1100	5.6	
8	800	20	31	0.4	95	1.1	42.3	31.9	10	40	1210	5.7	
9	600	25	30 8	0.5	109	1	44.3	32.3	7.5	40	1180	6	
13	700	40	30.55	0.5	109	1.1	44.8	31.7	7	45	1230	6.1	
14	600	40	30 5	0.5	109	1.2	45.1	30.8	7.2	45	1180	6.2	
16	800	20	30.95	0.3	88	1	39	33.5	5	40	1190	5.4	
19	900	35	30 5	0.3	88	0	37.5	33.5	4	40	1100	4	
20	1000	35	31 1	0.3	88	1	39	31.2	5	45	1296	5.2	
21	900	40	30.35	0.3	88	1.1	40.4	29.9	5	45	1286	5.4	
22	500	55	30.45	0.3	88	1.2	41	28.9	5	50	1305	5.5	
23	500	50	30 7	0.4	95	0.95	39.2	33.6	4.8	50	1211	5.8	

Personnel : Reid Root

TRI-COUNTY LANDFILL
OPEN UTI[illegible] FLARE LOG

Date	Time	Temp.	Bar.	D. P.	Flow	%O2	%N2	%CH4	Vac	GAS Temp	Flare Temp.	Blower amps	Comments
01-Apr-07	800	48	30.25	0.3	88	0.8	45.1	30.1	4.5	50	1188	5.8	
2	800	40	30.6	0.3	88	0.9	45.8	29.5	4.7	50	1200	5.8	
3	700	45	30.45	0.3	88	0.89	45.3	29.8	4.6	50	1225	5.8	
4	600	25	30.55	0.3	88	1	45.8	29.2	4.8	50	1215	5.8	
9	800	35	30.7	0.3	88	1.4	47.8	28	5.8	50	1097	5.8	
11	800	30	30.15	0.3	88	1.6	47	29.2	5.5	50	1197	5.7	
12	800	30	30.2	0.25	80	1.7	50	26.6	6.8	50	1240	5.6	
13	600	30	30.9	0.25	80	2.3	52	24.7	4.3	50	1150	5.3	
16	700	30	30.8	0.25	80	2.3	52.4	24.3	4.4	50	1070	5.4	
17	700	35	30.7	0.3	88	0.4	39.7	33.7	5	50	1164	5.5	
18	600	32	30.65	0.3	88	0.8	40.9	33.5	5.5	50	1145	5.7	
19	500	35	30.7	0.3	88	1	41.7	32.5	6	50	1190	5.8	
20	500	35	30.95	0.3	88	1.2	41	31.9	6	50	1175	5.8	
07-May-07	800	40	30.75	0.3	88	1.3	39.6	29.9	6	50	1188	5.8	
8	900	65	30.8	0.3	88	1.2	42.3	31.7	5	60	1100	5.5	
9	600	55	30.6	0.3	88	0.7	42.7	31.2	5.8	60	1276	5.5	
11	600	50	30.55	0.3	88	0.8	41.8	32.1	5.8	60	1202	5.5	
14	700	50	30.7	0.3	88	0.6	42.6	30.3	5.6	60	1190	5.6	
16	700	40	30.6	0.3	88	1	44	27.9	5.7	60	1100	5.6	
17	600	40	30.95	0.3	88	1.2	44.4	27	5.7	60	1080	5.6	
18	1000	50	31	0.3	88	1.2	44.6	27	5.8	60	1090	5.6	
21	800	50	30.85	0.3	88	1.2	44	27.7	5.9	60	1110	5.6	
22	600	60	30.8	0.3	88	1.2	45	26.1	5.8	60	1090	5.6	
23	700	60	30.9	0.3	88	1.2	45.6	25.2	5.8	60	1115	5.7	
24	600	65	30.9	0.3	88	1.4	45.7	25.1	5.9	60	1000	5.7	
25	700	50	30.95	0.3	88	0.6	40.8	33	5.5	60	1200	5.5	
29	1100	70	30.9	0.3	88	1.6	45.8	25	5.9	70	1010	5.6	
30	800	60	30.9	0.3	88	1.5	45.3	25.8	5.7	65	1000	5.6	
31	600	65	30.6	0.3	88	1.5	45	26.2	5.5	65	1020	5.6	
01-Jun-07	800	60	30.8	0.3	88	1.1	42.4	30.9	5.5	65	1205	5.7	
4	900	65	30.05	0.3	88	1.1	40.4	28.5	5.4	65	1100	5.7	
5	900	65	30.4	0.3	88	1.2	41.9	27.6	5.5	65	1115	5.7	
6	800	50	30.56	0.3	88	1.3	43.1	25.9	5.6	60	1010	5.7	
7	700	65	30.15	0.3	88	1.1	41.9	26.9	5.5	65	1111	5.7	
8	600	65	30.4	0.3	88	1.4	42.2	30.8	5.5	70	1185	5.7	
11	700	65	30.85	0.3	88	1.4	42.5	30	5.6	65	1110	5.7	
12	500	50	30.9	0.3	88	1.5	44	28.9	5.7	65	1000	5.7	
13	800	60	30.85	0.3	88	1.6	44.5	27.3	5.7	65	995	5.7	

Personnel : Reid Roo

TRI-COUNTY LANDFILL
OPEN UTI FLARE LOG

Date	Time	Temp.	Bar.	D. P.	Flow	%O2	%N2	%CH4	Vac	GAS Temp	Flare Temp.	Blower amps	Comments
14	700	60	30 7	0.3	88	1	45.1	30.1	5	70	1122	5.7	
15	800	70	30 7	0.3	88	1	45.3	30	5	70	1105	5.7	
18	800	70	30 5	0.3	88	1.1	43.5	32.3	4.9	70	1181	5.7	
19	700	65	30 5	0.3	88	1.1	45.1	30.1	4.9	70	1090	5.7	
20	600	50	30 9	0.3	88	1.1	44.8	30.1	5	68	1056	5.7	
21	700	80	30 8	0.3	88	1.1	43.9	31	5	70	1070	5.7	
22	600	55	30.35	0.3	88	1.2	43	30.6	5	65	1100	5.7	
25	800	70	30 8	0.3	88	0.9	43.7	30.4	4.7	70	833	5.7	
26	700	70	30.35	0.3	88	1.2	43.8	31	4.7	70	800	5.7	
27	800	65	30 8	0.3	88	1.1	43.4	31.1	4.7	70	1038	5.7	
28	0600	60	30 7	0.3	88	1	42.8	31.7	4.7	60	1090	5.7	
29	0800	50	30.35	0.3	88	1.2	44	30.1	5	55	905	5.7	
01-Jul-07	0800	50	30 9	0.3	88	1.3	45	29.9	5	60	900	5.7	
2	800	50	30.95	X	X	X	X	X	X	X	X	X	Flare was out low CH4
3	600	50	30.35	0.25	78	0.8	40.1	33.2	4.6	55	1000	5.6	
5	700	65	30.55	0.25	78	1.1	42.3	31	5	65	1000	5.6	
9	800	70	30.45	0.25	78	1.2	44	30.1	5.2	75	1111	5.6	
10	600	65	30.45	0.25	78	1.2	44.3	30	5.3	70	1010	5.6	
11	800	55	30 6	0.25	78	1.3	42.8	31.6	3.5	65	1219	5.3	
12	600	50	30.55	0.25	78	1.2	42.5	31.6	3.5	60	1200	5.3	
13	500	50	30 6	0.25	78	1.3	42.9	31.4	3.5	60	1135	5.3	
16	900	65	30 6	0.25	78	1.2	42.7	31.4	3.5	65	1120	5.3	
17	500	60	60 5	0.25	78	1.2	42.2	31.6	3.5	65	990	5.3	
19	300	55	60.45	0.25	78	0.9	39.7	34.2	3.6	70	1183	5.2	
20	300	60	30 8	0.25	78	1	39.9	33.7	3.7	70	1111	5.4	
23	500	50	30.85	0.25	78	1.1	40.2	32.1	3.8	60	1000	5.4	
24	900	65	30.8	0.25	78	1.2	40.6	31.7	3.9	65	1005	5.2	
25	700	65	30.7	0.25	78	1.3	40.1	33.3	3.3	72	1117	5.2	
26	600	60	30.6	0.25	78	1.3	40	33.7	3.1	70	1115	5.2	
27	700	60	30.6	0.25	78	1.1	39.7	34.1	3.1	70	1118	5.2	
30	500	65	30.6	0.25	78	1.1	40	34	3.1	70	1120	5.3	
31	700	70	30.6	0.25	78	1.2	40.4	33.8	3.3	70	1148	5.3	
01-Aug-07	300	75	30.65	0.25	78	1.2	40	34.1	3.3	75	1090	5.3	
2	300	75	30.6	0.20	70	1.2	40.8	33.7	3.3	75	1080	5.3	
3	500	60	30 6	0.20	70	1.2	40.9	33.4	3.3	75	1035	5.3	
6	700	65	30.45	0.20	70	1.1	40	34.1	3.2	75	1111	5.3	
7	600	60	30 4	0.20	70	1	36.3	35.8	3.5	75	1168	5.4	
8	700	65	30.45	0.20	70	1.1	37.3	34.8	3.6	75	1170	5.4	
9	600	65	30 4	0.20	70	1.1	37.3	34.9	3.6	75	1098	5.4	

Personnel : Re d Root

TRI-COUNTY LANDFILL
OPEN UTI[illegible] FLARE LOG

Date	Time	Temp.	Bar.	D. P.	Flow	%O2	%N2	%CH4	Vac	GAS Temp	Flare Temp.	Blower amps	Comments
10	300	68	30.6	0.20	70	1.3	39.2	31.9	3.7	75	1000	5.5	
13	300	65	30.85	0.20	70	1.1	37.2	35.3	4	75	1112	5.6	
14	300	58	30.55	0.20	70	1.3	37.6	35.3	4	75	1258	5.5	
15	700	65	30.55	0.20	70	1.3	38	34.9	4	75	1158	5.5	
16	900	65	30.55	0.20	70	1.3	38.6	34.1	4	75	1160	5.5	
17	700	58	30.7	0.20	70	0.9	38	34.7	4.5	75	1314	5.4	
20	700	65	30.45	0.20	70	1.1	37.5	35.7	4.8	75	1300	5.5	
21	700	70	30.5	0.20	70	1.3	38.5	33.5	4.8	75	1215	5.6	
22	600	70	30.5	0.20	70	1.4	39.2	32.1	4.9	75	1200	5.6	
23	600	65	30.5	0.20	70	0.7	38.2	35.3	4.1	75	1226	5.6	
27	700	60	30.7	0.20	70	1.1	37.7	35.2	4.1	75	1215	5.6	
28	600	60	30.6	0.20	70	1.1	37.6	35.5	4.1	75	1220	5.6	
29	600	60	30.6	0.20	70	1.1	37.9	35	4.2	75	1250	5.6	
30	500	55	30.8	0.20	70	1.2	38.2	33.8	4.3	75	1276	5.6	
31	700	50	30.9	0.20	70	1.3	39	33	4.4	75	1212	5.6	
01-Sep-07	800	50	30.9	0.30	85	0.7	39	34.3	4.8	75	1315	5.6	
6	600	65	30.55	0.30	85	0.9	39.6	34	4.8	70	1300	5.6	
7	500	70	30.4	0.30	85	0.7	38.9	34.8	4.7	75	1275	5.6	
10	700	55	30.75	0.30	85	1.4	39.1	34.1	4.5	70	1265	5.6	
11	600	45	30.5	0.30	85	1.2	37.9	34.9	4.5	65	1212	5.6	
12	500	40	30.7	0.30	85	1.4	39.3	33.5	4.6	60	1230	5.6	
13	700	40	30.7	0.30	85	0.7	37.5	35.3	4.4	70	1304	5.6	
14	500	50	30.5	0.30	85	0.7	36.2	35.8	4.3	70	1325	5.6	
24	700	60	30.7	0.30	85	0.8	37.4	34.8	4.4	75	1320	5.6	
25	900	65	30.55	0.30	85	1.4	39.3	33.9	4.5	75	1294	5.5	
26	700	50	30.65	0.30	85	1.6	39.8	33	4.6	70	1200	5.6	
27	600	40	30.55	0.30	85	1.1	37.2	35.7	4.3	65	1273	5.8	
28	700	55	30.6	0.30	85	1.1	37.8	35.1	4.4	65	1245	5.6	
01-Oct-07	0800	55	30.55	0.30	85	1.7	39.4	34.8	4.4	65	1278	5.6	
2	800	55	30.65	0.30	85	1.7	39.8	34.1	4.5	65	1240	5.6	
5	1000	70	30.75	0.30	85	1.8	39.9	33.9	4.6	70	1260	5.6	
8	800	70	30.55	0.30	85	1.8	36.6	35	5.1	75	1310	5.4	
9	800	50	30.6	0.30	85	0.7	37.6	34.8	5.2	65	1340	5.5	
10	800	45	30.5	0.30	85	1	37	35.2	5.2	68	1327	5.5	
11	700	40	30.6	0.30	85	0.9	38.2	34.3	5.3	65	1201	5.6	
12	800	40	30.6	0.30	85	1.1	36.8	36.2	5.5	65	1310	5.6	
15	600	45	30.55	0.30	85	1	36	36.8	5.5	60	1300	5.6	
16	600	55	30.45	0.30	85	1	35.7	36.9	5.4	65	1302	5.6	
17	700	40	30.55	0.30	85	0.9	36.7	34.3	5.5	60	1246	5.6	

Personnel : Re d Root

TRI-COUNTY LANDFILL
OPEN UTI[illegible] FLARE LOG

Date	Time	Temp.	Bar.	D. P.	Flow	%O2	%N2	%CH4	Vac	GAS Temp	Flare Temp.	Blower amps	Comments
18	1200	65	29.85	0.30	85	1.1	37.9	39.3	5.6	65	1365	5.6	
19	600	45	29.85	0.30	85	0.4	39.9	37.3	5.6	65	1300	5.6	
23	600	40	30.55	0.30	85	0 9	37.1	33.8	5.6	60	1222	5.6	
24	700	44	30.7	0.30	85	1.1	42	32.2	5.4	62	1300	5.7	
25	600	38	30.9	0.30	85	1.7	42.4	31.7	6.1	60	1300	5.7	
29	700	35	31.05	0.30	85	1.7	44.4	30.7	6.3	55	1210	5.7	
30	300	35	30.95	0.30	85	1.6	43.7	31.5	6.2	55	1215	5.7	
31				0.30	85	0.4	37.9	35	5.3	60	1333	5.7	
01-Nov-07				0.30	85	1.8	43	31.2	6.1	58	1297	5.8	

APPENDIX N

TRI-COUNTY LANDFILL
SAMPLE RESULTS OF GAS BURNED AT THE UTILITY FLARE
2006

Environmental Information Logistics, LLC
534 Duane Street
Glen Ellyn, Illinois 60137
Phone: (630) 428-2781
Fax: (630) 428-2782
Email: jamiea.eil@sbcglobal.net

March 15, 2007

Mr. Michael L. Peterson, P.E.
Waste Management - Closed Sites Management Group
N96W13600 County Line Road
Germantown, WI 53022

File

RE: Tri-County Elgin Landfill
2006 Annual Landfill Gas Sample

Dear Mr. Peterson:

Pursuant to the requirements of the Tri-County Operations and Maintenance plan, EIL sampled and analyzed the landfill gas in accordance with the Plan. Attached are the analytical results of the sampling.

Please retain a copy of this report as part of your air reporting file.

Please call if you have any questions.

Sincerely,
Environmental Information Logistics, LLC.

Jamie Auble
Project Manager

Attachment: Gas Sample Analytical Lab Report (1 copy)

Cc: Ed Doyle, EIL (1 copy of report)

Complete Report
131 pages

Method 25-C
Analytical Results

prepared for

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

2556 River Woods Drive
Naperville, IL 60565

by

Triangle Environmental Services, Inc.

We, the undersigned, certify to the best of our knowledge that all analytical data presented in this report have been checked for completeness; that the results are accurate, error-free, legible, and have been obtained in accordance with approved protocol; and that all deviations and analytical problems are summarized in the "Comments on the Analyses" page(s).

Reviewed by:

Donna Nolen-Weathington
Method 25 Supervisor

Approved by:

Wayne A. Stollings
President

Approved by:

John Y. Morimoto
QA Officer

Report
06326-25C

January 10, 2007

P.O. Box 13294 Research Triangle Park, NC 27709 (800) 367-4862

SCAQMD #94 LA 0401
NJ NELAP ID - NC004
PADEP Registration #68-3321

Triangle Environmental Services, Inc.
COMMENTS ON THE ANALYSES

Report #06326-25C for Environmental Information Logistics, LLC
Project ID: Tri-County

Tanks Received: 12/21/06

Samples Analyzed: 12/27/06-1/4/07 on Analyzer B
Client Chain-of-Custody forms: 1 p

Sample #1:

- Laboratory preshipment and receipt pressure and temperature readings were used for the tank pre- and post-test tank data, respectively. Also, laboratory receipt barometric pressure and temperature data were used to determine the water vapor fraction.

- The tank contents were diluted so as to bring the measured CO_2 and CH_4 concentrations within the Method 25 calibration range. The reported final tank pressure is the original final tank pressure multiplied by the dilution factor.

TRIANGLE ENVIRONMENTAL SERVICES, INC.

METHOD 25-C TABLE OF RESULTS

Name: Environmental Information Logistics, LLC
ID#06326-25C Analyzed: 12/27/06-1/4/07

Project ID: Tri-County

	Sample Description	Concentrations (ppm) CH4	CO2	As Carbon NMOC (ppm)	Mass Conc. (mg/cu.m)
1	TC-1	343347	288076	3000	1498

Correction of concentrations for the presence of air was not made

* Please refer to the "Comments on the Analyses" page of the report for additional information.

Triangle Environmental Services, Inc.
METHOD 25-C PROCEDURES

Report #06326-25C

CALIBRATION

The calibrations satisfy the requirements for Methods 25, 25-C, and 10-B.

Triplicate injections of a calibration gas mixture consisting of carbon monoxide (≈200 ppm), methane (≈50 ppm), carbon dioxide (≈10,000 ppm), and propane (≈20 ppm) are made immediately before and after each batch of samples. Daily response factors are calculated from the pre-batch integrated responses (average area count / concentration in ppmC) and must agree within 10% of the response factors of the initial calibrations. Further, the post-batch response factors must agree within 2% of the pre-batch response factors. Both criteria must be met before the analyses are considered valid.

ANALYSIS

All samples, which include the daily calibration gas mixture and sample tanks, are analyzed in triplicate using a computer-interfaced gas chromatograph equipped with an automated gas sampling system and a flame ionization detector (FID). CO, CH_4, and CO_2 are eluted from the Unibead 1S-Carbosieve G column and pass through the analytical oxidation and reduction catalyst to the FID. The column is then backflushed to elute the nonmethane organic (NMO) fraction, which passes through the analytical oxidation and reduction catalysts to the FID.

CALCULATIONS

Calculations are done in accord with USEPA Method 25-C procedures. A sample calculation for one of the samples is provided in the report.

EQUIPMENT

Tanks are at a minimum twice evacuated and filled with ambient air filtered through charcoal and are then evacuated to below 10 mm Hg and monitored for at least an hour to check that the tanks do not leak more than 1 mm Hg/hour. They are then pressurized to greater than ambient pressure with helium, analyzed to ensure < 2 ppmC NMO, and stored for later use. Prior to shipping, tanks are evacuated to ≈325 mm Hg absolute. The tank absolute pressure and temperature and the barometric pressure are recorded on a data sheet enclosed with the shipment. The absolute pressure can be verified by measurement in the field.

Sampling units are reconditioned by checking that all sections operate properly. The unit is flushed with zero air for at least thirty minutes before an aliquot of this flow is injected into the analyzer. If the total carbon concentration is below 10 ppm, the unit is made ready for use and stored for shipment.

Certifications:

South Coast Air Quality Management District: ID# 94 LA 0401
New Jersey NELAP ID: NC004
Pennsylvania DEP: Registration #68-3321

TRIANGLE ENVIRONMENTAL SERVICES, INC.

METHOD 25-C SAMPLE CALCULATION

Note: All pressure values have been converted when necessary to mm Hg and all temperature values to Kelvin.

Name: Environmental Information Logistics, LLC
ID#06326-25C Analyzed: 12/27/06-1/4/07

Project ID: Tri-County

Sample # 1 TC-1

D A T A

Tank N221:
Volume = 0.004464 cu.m

	Pressure (mm Hg)	Temp. (K)
Presampling	324.0	297.2
Postsampling	806.0	297.7
Final	20013.5	297.7
Barometric	756.0	
Water Vapor	23.1	

Water fraction = 0.0306

Calibration Data:

	CH4	CO2	NMOC
Response Factor (area units/ppmC)	319.6	325.4	315.8

Areas:

CH4	2,559,351	2,559,589	2,558,508
CO2	2,183,132	2,189,325	2,185,997
NMOC	21,419	22,008	22,852

C A L C U L A T I O N S

Measured Concentrations (ppmC):

Cm(CH4) = Area(CH4)/RF(CH4)
= 2559351 /319.6 = 8008.0
= 2559589 /319.6 = 8008.7
= 2558508 /319.6 = 8005.3

Cm(CO2) = Area(CO2)/RF(CO2)
= 2183132 /325.4 = 6709.1
= 2189325 /325.4 = 6728.1
= 2185997 /325.4 = 6717.9

Cm(NMOC) = Area(NMOC)/RF(NMOC)
= 21419 /315.8 = 67.8
= 22008 /315.8 = 69.7
= 22852 /315.8 = 72.4

TRIANGLE ENVIRONMENTAL SERVICES, INC. METHOD 25-C SAMPLE CALCULATION
ID#06326-25C

Pressure-Temperature Ratio, Q(i) = P(i)/T(i):

postsampling tank: Q(1) = 806 / 297.65 = 2.707878
presampling tank: Q(2) = 324 / 297.15 = 1.090358
final tank: Q(3) = 20013.48 / 297.65 = 67.23831

Volume Sampled (dscm) = 0.3857 x Tank Volume x [Q(1)-Q(2)]
= 0.3857 x .004464 x [2.7079 - 1.0904]
= 0.002785

Averages and % Relative Standard Deviations (%RSD) of Cm's are calculated.
(%RSD of C = %RSD of Cm)

Moisture Correction Factor, CF:

CF = 1 - Water fraction (Air correction will not be made)
= 1 - 0.0306 = 0.9694

Calculated Concentrations (ppm):

C(CH4) = Q(3)/[Q(1)-Q(2)] x Cm(CH4)/CF
= 67.2383/(2.7079 - 1.0904) x 8007.4/0.9694 = 343346.9

C(CO2) = Q(3)/[Q(1)-Q(2)] x Cm(CO2)/CF
= 67.2383/(2.7079 - 1.0904) x 6718.4/0.9694 = 288075.9

C(NMOC as Carbon) = Q(3)/[Q(1)-Q(2)] x Cm(NMOC)/(CF x Carbon Number)
= 67.2383/(2.7079 - 1.0904) x 70.0/(0.9694 x 1)
= 2999.8

Carbon Mass Concentration (mg/cu.m)
= (12.011 /24.056) x C(NMOC)
= 0.4993 x 2999.8 = 1497.8

Triangle Environmental Services, Inc.
METHOD 25-C SAMPLE QA/QC DATA

Report #06326-25C

DAILY ANALYZER CHECKS

10.2* **Daily Calibration**

Response Factor (RF) Checks

Requirement: Daily RF = Initial RF ± 10%

Triplicate injections of a mixture of CO, CH_4, CO_2, and C_3H_8 are made before and after each batch of samples.

See the individual sample data sheet for the daily response factor

10.1.2.3* **Initial Calibration/Linearity**

Triplicate injections of a calibration gas is made for each compound at three levels:

	Nominal Concentrations (ppm)			Initial RF for Analyzer A 5/16/01	Initial RF for Analyzer B 11/2/05
CO	200	1000	5000	207.69	328.77
CH_4	50	500	10,000	208.39	328.59
CO_2	50	500	10,000	210.35	328.21
propane	20	3000	10,000	219.42	331.11

INITIAL NMO ANALYZER PERFORMANCE CHECKS

10.1.2.1* **Oxidation Catalyst Efficiency Check** Analyzer A, 4/8/98; Analyzer B, 4/21/98

FID response with reduction catalyst in bypass mode = 0, 0

Requirement: <1%

10.1.2.2* **Reduction Catalyst Efficiency Check** Analyzer A, 4/8/98; Analyzer B, 4/21/98

Response of CH_4 with oxidation and reduction catalysts in series mode and response with both catalysts in bypass mode to be within 5% of the average:

1.05 x Average Response > Response > 0.95 x Average Response

or Higher Response/Lower Response < 1.105263

100.0%, 100.0% Requirement: <110.5%

* USEPA Method 25 Protocol (2000) Reference Number

Report #06326-25C

10.1.2.3* **Analyzer Linearity Check+NMO Calibration** Analyzer A, 5/16/01; Analyzer B, 1/26/05

	$100\times(1-RF/RF_{average})$	Requirement:
RF Value CO:	+2.167%, +0.76%	± 2.5%
RF Value CH_4:	+2.200%, +2.01%	± 2.5%
RF Value CO_2:	+1.491%, +2.43%	± 2.5%
RF Value NMO:	-1.922%, +0.73%	± 2.5%
% RSD Values:	1.69%, 0.49%	≤ 2%
$\frac{RF\ (NMO)}{RF\ (CO_2)}$ =	1.04, 1.03	1.0 ± 0.1

10.1.2.4* **System Performance Check** Analyzer A, 4/8/98; Analyzer B, 4/21/98, 5/1/98

	Measured Value, Expected Value		Requirement
	Analyzer A	Analyzer B	
Propane in Mix	19.6, 20.0	20.22, 20.0	± 5%
Hexane	50.6, 51.6	51.6, 51.6	± 5%
Toluene	20.3, 20.0	19.34, 20.0	± 5%
Methanol	104.5, 109.1	109.55, 109.0	± 5%

EQUIPMENT CHECKS

8.1.1* **Clean Sampling Equipment Check** (Method 25)

Sample Unit	< 10 ppmC total C	@ 100%
Tank	< 2 ppmC NMO	@ 100%

8.1.2* **Sample Tank Evacuation and Leak Check** (Method 25)

Tank evacuated to ≤ 10 mm Hg absolute pressure, monitored for > 1 hour, and passed for use if no pressure change (< 1 mm Hg/hr) is noted. (Method 25C: ± 2 mm Hg after 30 minutes)

10.3* **Sample Tank Volumes**

Tank weighed empty, filled with deionized distilled water (temperature recorded), and weighed to the nearest 2 g. Volume calculated based on density of water at that temperature and results recorded in permanent file.

* USEPA Method 25 Protocol (2000); Reference Number

Triangle Environmental Services, Inc.
CALIBRATION DATA FOR THE ANALYSES

Client: Environmental Information Logistics, LLC ID#06326-25C

Project ID: Tri-County

4-JAN-7: Analyzer B

Preanalysis Calibration

Compound	Conc.	Area(1)	Area(2)	Area(3)	Average	%RSD	RF	IRF	%Diff.
CO	203.0	64425	64410	64290	64375	0.1%	317.1	328.8	-3.5%
CH4	50.3	16035	16121	16068	16075	0.3%	319.6	328.6	-2.7%
CO2	10000.0	3255329	3255187	3251931	3254149	0.1%	325.4	328.2	-0.9%
C2+	60.3	18800	19297	19031	19043	1.3%	315.8	331.1	-4.6%

Postanalysis Calibration

Compound	Conc.	Area(1)	Area(2)	Area(3)	Average	RF(post)	RF(pre)	%Diff
CO	203.0	64624	64669	64655	64649	318.5	317.1	0.4%
CH4	50.3	16242	16256	16256	16251	323.1	319.6	1.1%
CO2	10000.0	3234433	3244186	3253845	3244155	324.4	325.4	-0.3%
C2+	60.3	19197	19167	19152	19172	317.9	315.8	0.7%

Sample # 1 N221

Conc. = concentration in ppmC, %RSD = % relative standard deviation,
RF = response factor = Average Area/Conc., IRF = response factor from initial calibration,
%Diff = %IRF/IRF for preanalysis, %(RF(post)-RF(pre))/RF(pre), Conc. = propane

Print Date: Fri Jan 05 14:44:14 2007 Page 1 of 1

Title :
Run File : C:\STAR\RECALCB\TES_B449.RUN
Method File : C:\STAR\RECALCB.MTH
Sample ID : 2- tank N221

Injection Date: 4-JAN-7 6:39 PM Calculation Date: 5-JAN-7 2:25 PM

Operator : Donna Nolen-Weathi
Workstation: MS-DOS_6
Instrument : Varian Star #1
Channel : A = M25

Detector Type: ADCB (10 Volts)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 16.002 min

********** Star Chromatography Workstation ******* Version 4.5 **********

Run Mode : Analysis - Subtract Blank Baseline
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	CO	0.1564	2.002	0.032	39	BP	2.3	
2	CH4	10234.5381	2.218	0.018	2559351	PV	4.2	UC
3	CO2	8731.4805	3.006	0.016	2183132	VB	8.0	U
4	C2H	85.4974	10.500	-0.100	21419	CR	0.0	UC
	Totals:	19051.6724		-0.034	4763941			

Status Codes:
U - User-defined peak endpoint(s)
C - Out of calibration range

Total Unidentified Counts : 0 counts

Detected Peaks: 4 Rejected Peaks: 0 Identified Peaks: 4

Multiplier: 1 Divisor: 1

Baseline Offset: -3 microVolts

Noise (used): 50 microVolts - monitored before this run

Could not format the injection information for this run.
Install the driver for the module at address 17 (type 8) to format this data.

Calib. out of range; No Recovery Action Specified

Error Log:

Could not format the error log for the module at address 17 (type 8).
Install the appropriate module driver to format this data.

ADC Board:

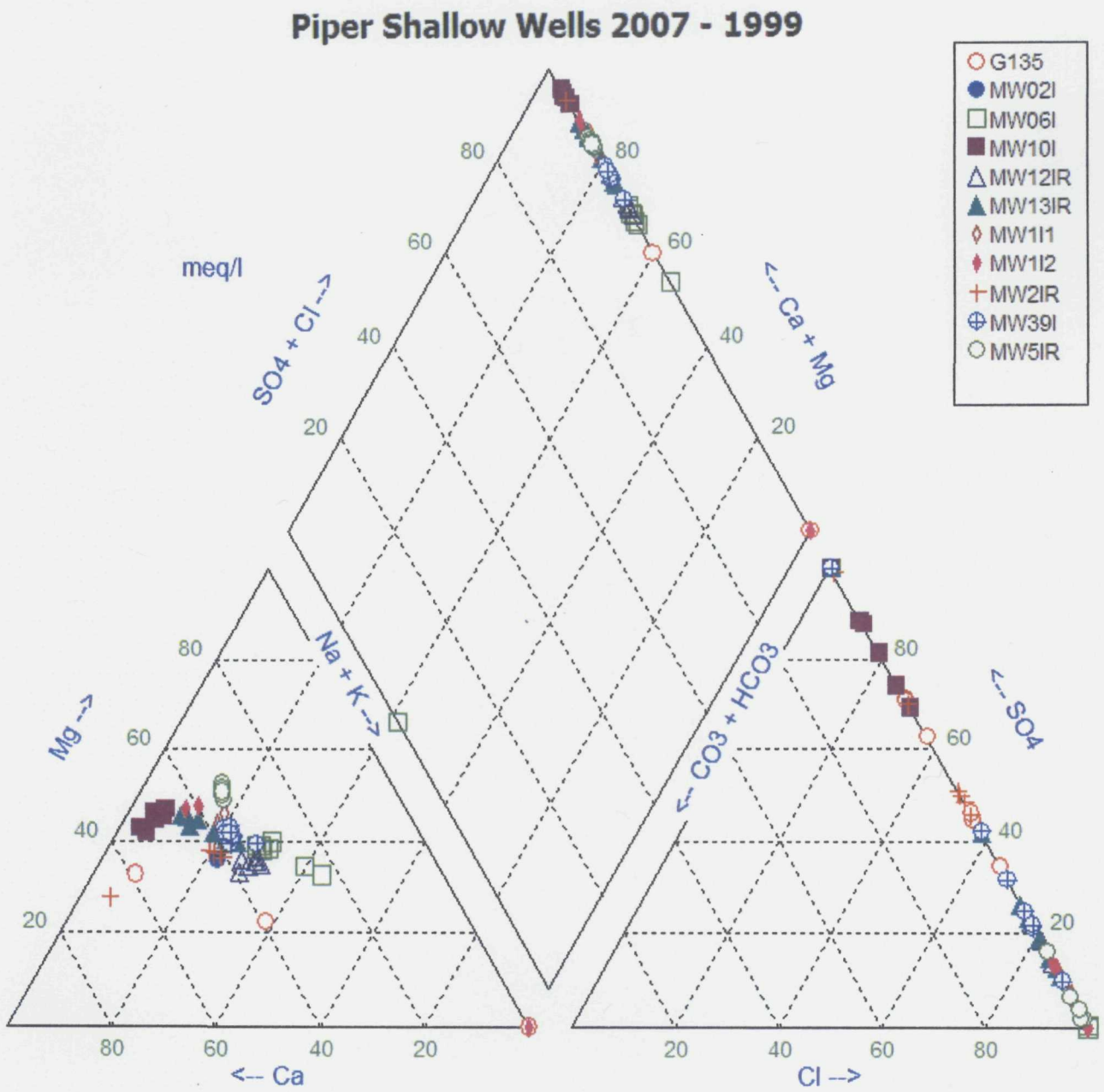
Original Notes:

Appended Notes:

****

APPENDIX O

TRI-COUNTY LANDFILL
PIPER DIAGRAMS
JUNE 2007



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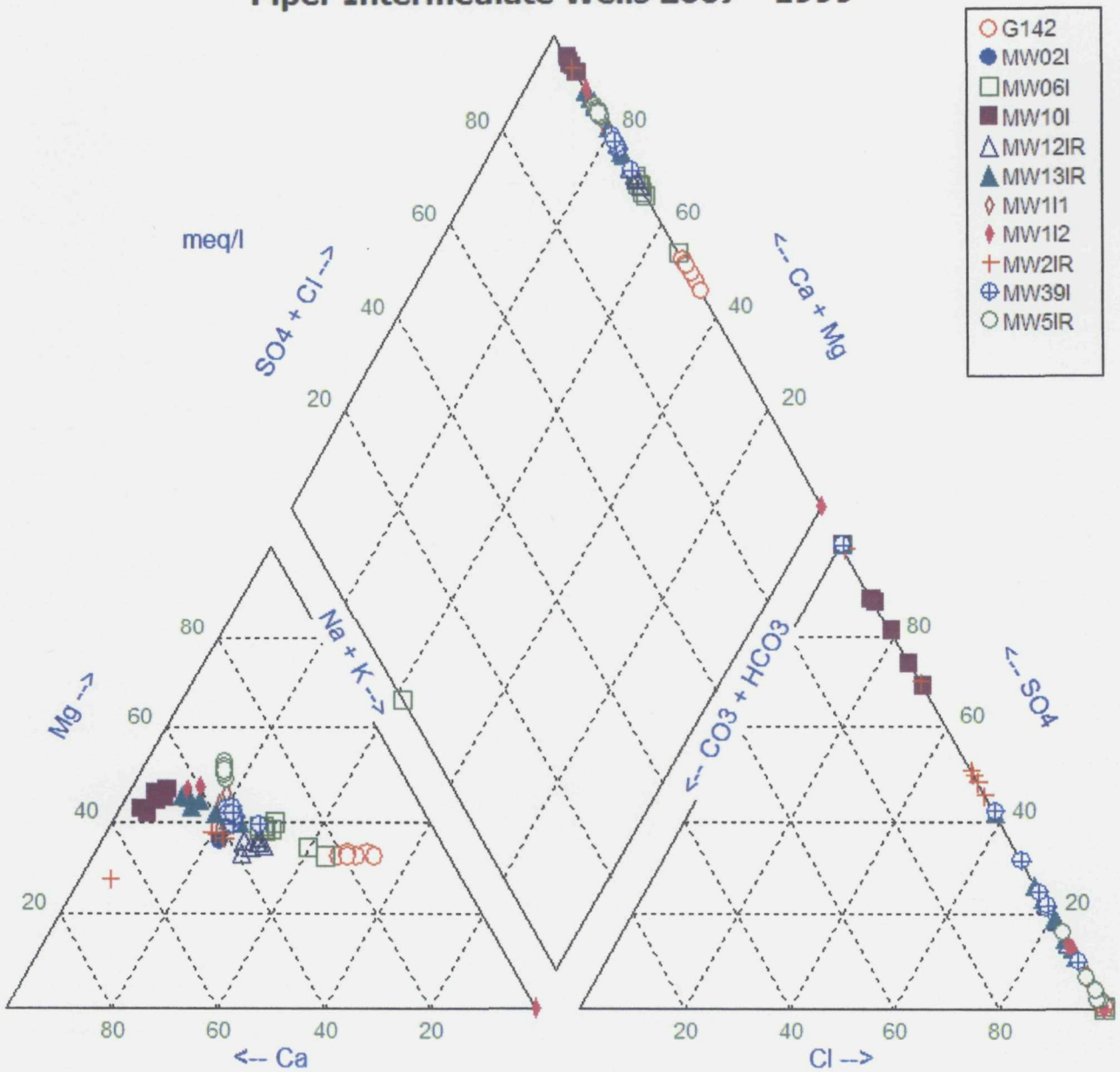
Piper Intermediate Wells 2007 - 1999



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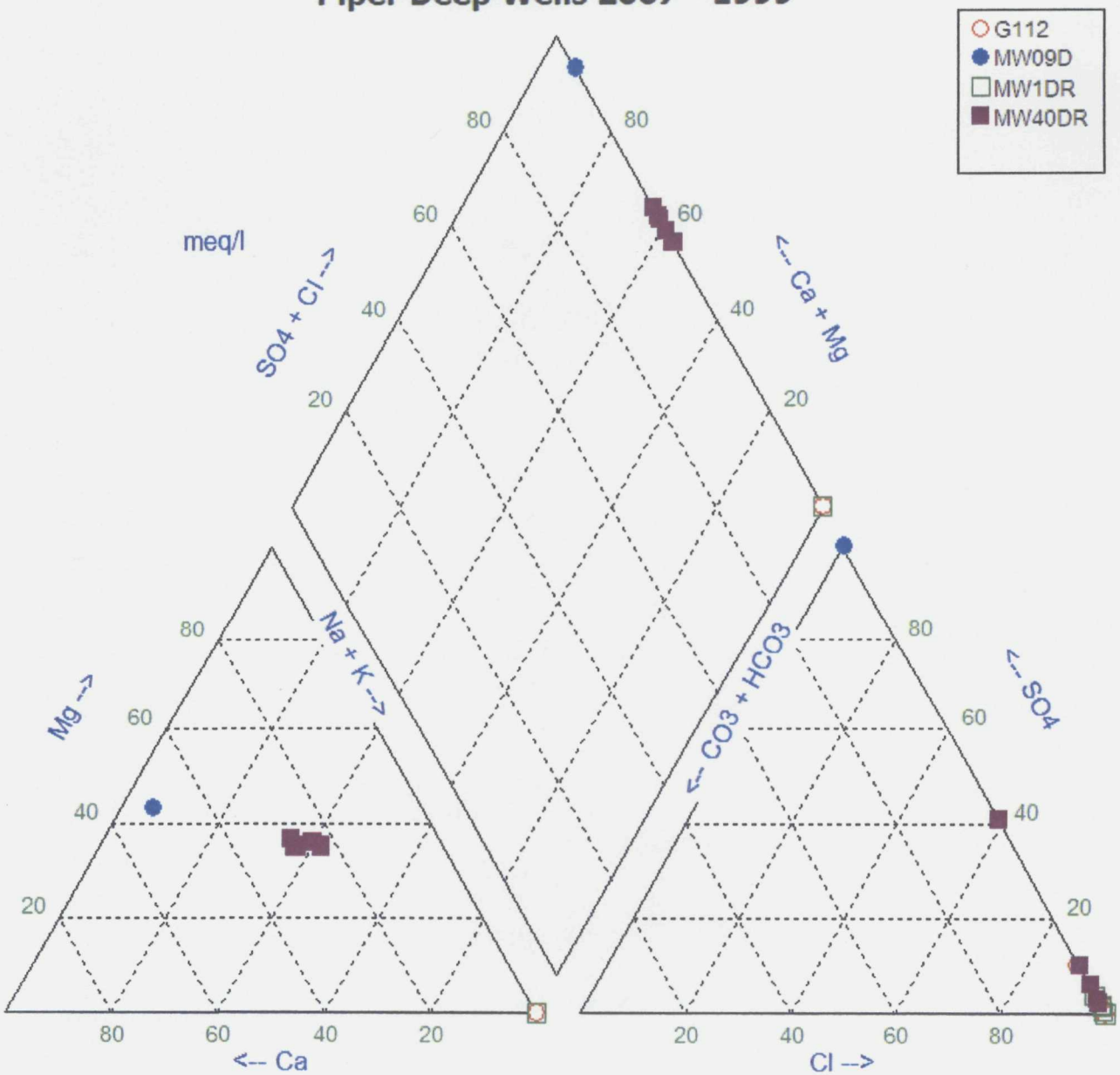
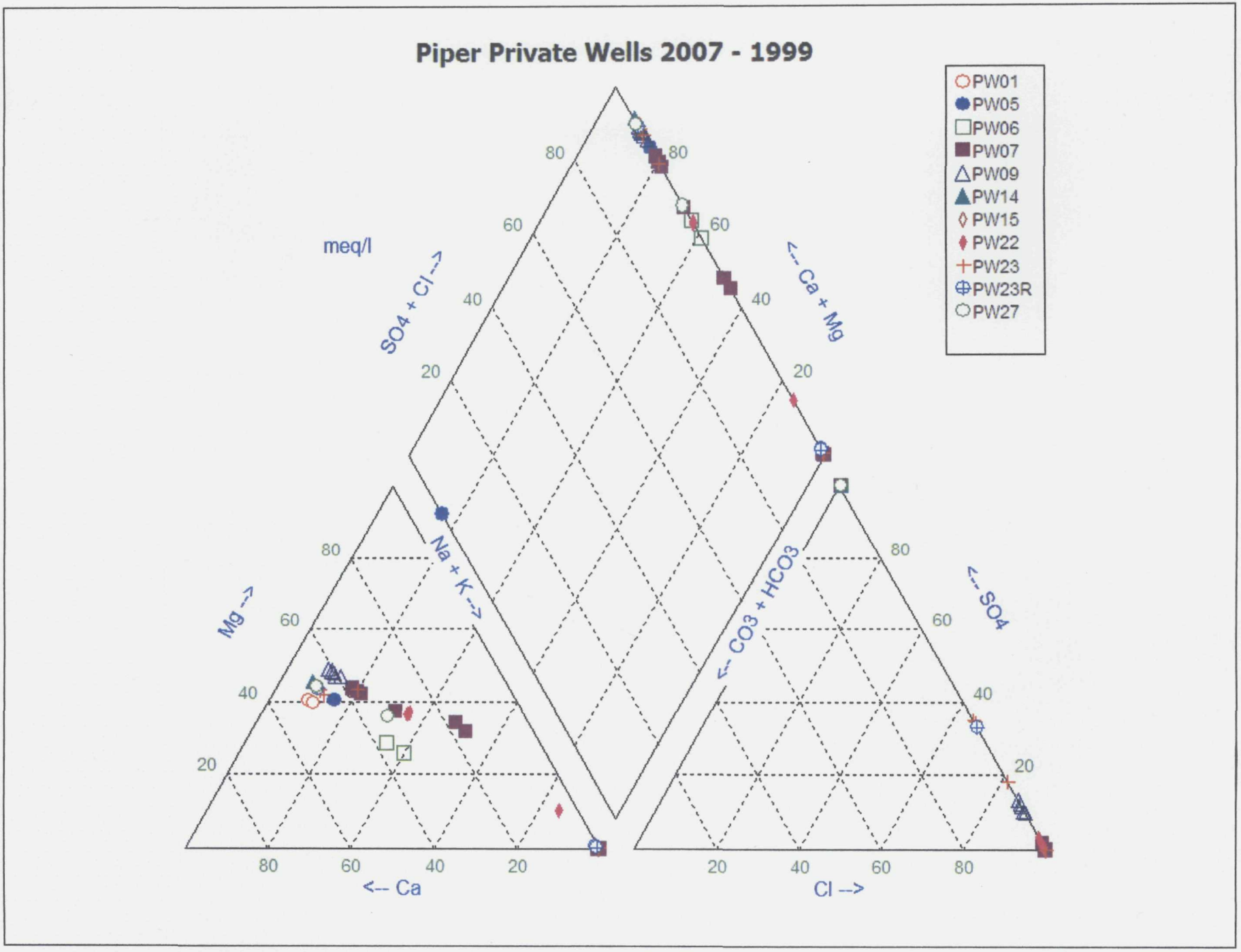
Piper Deep Wells 2007 - 1999





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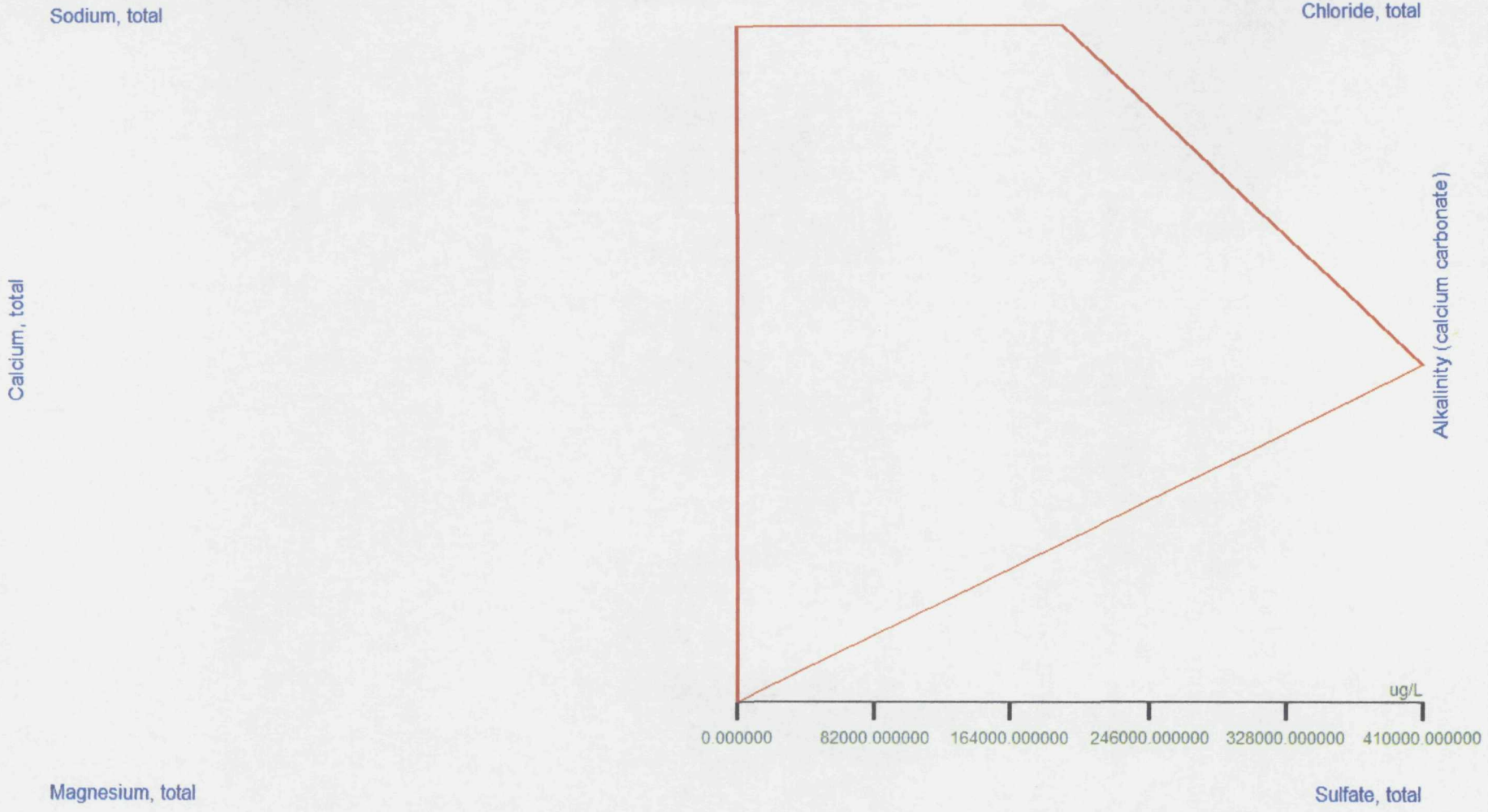
6/20/2007 G135 (ug/L)



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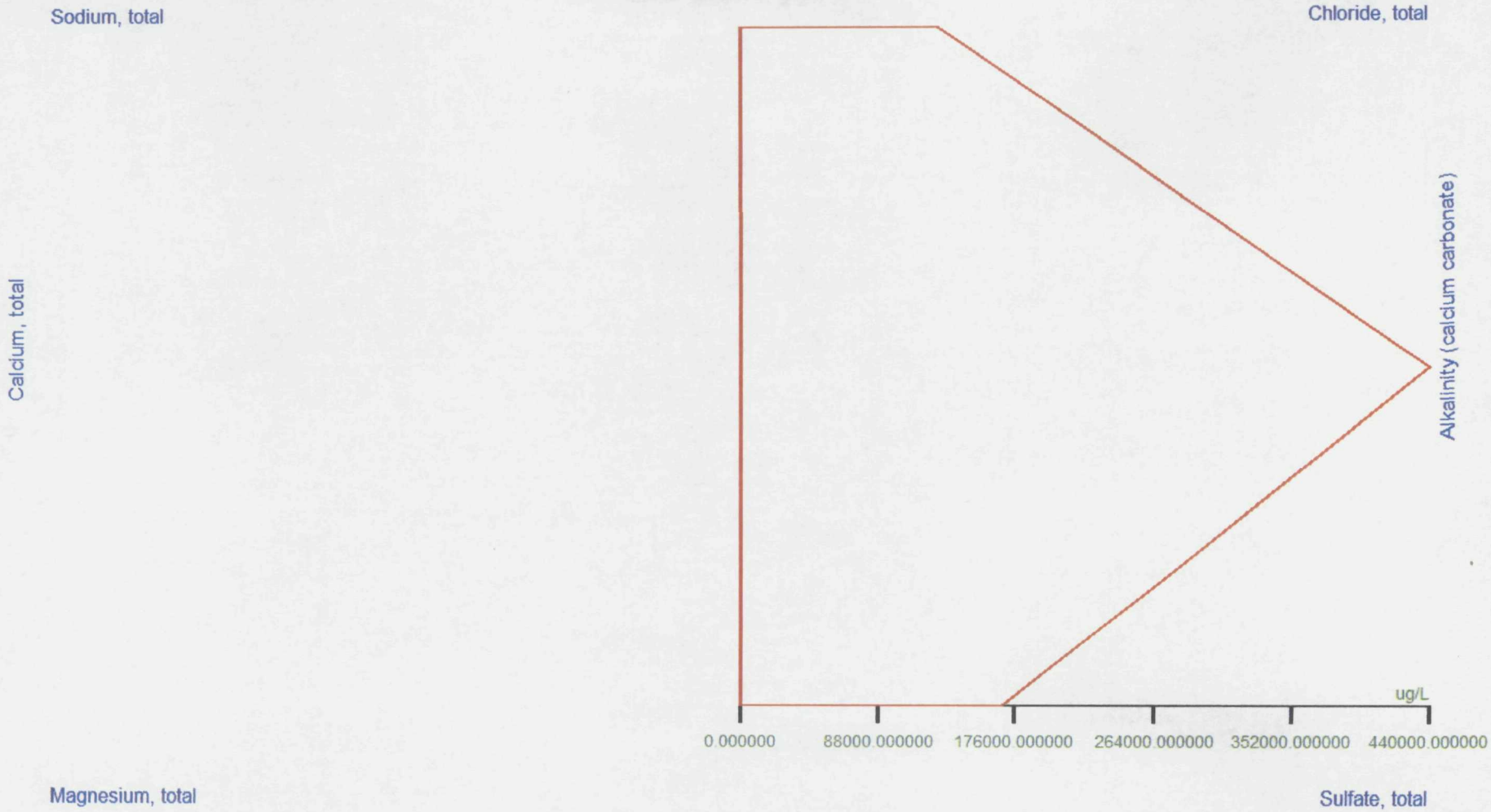

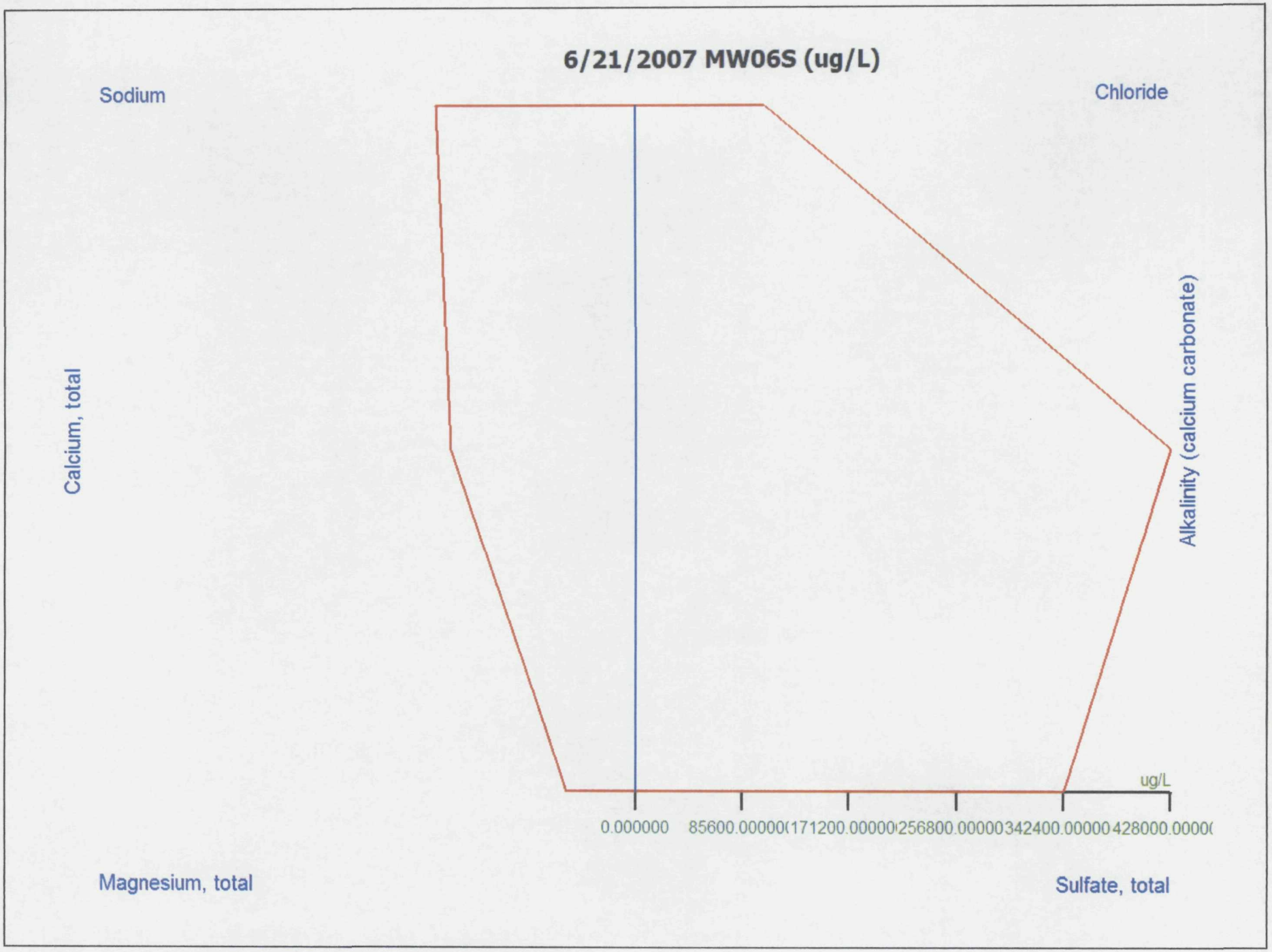

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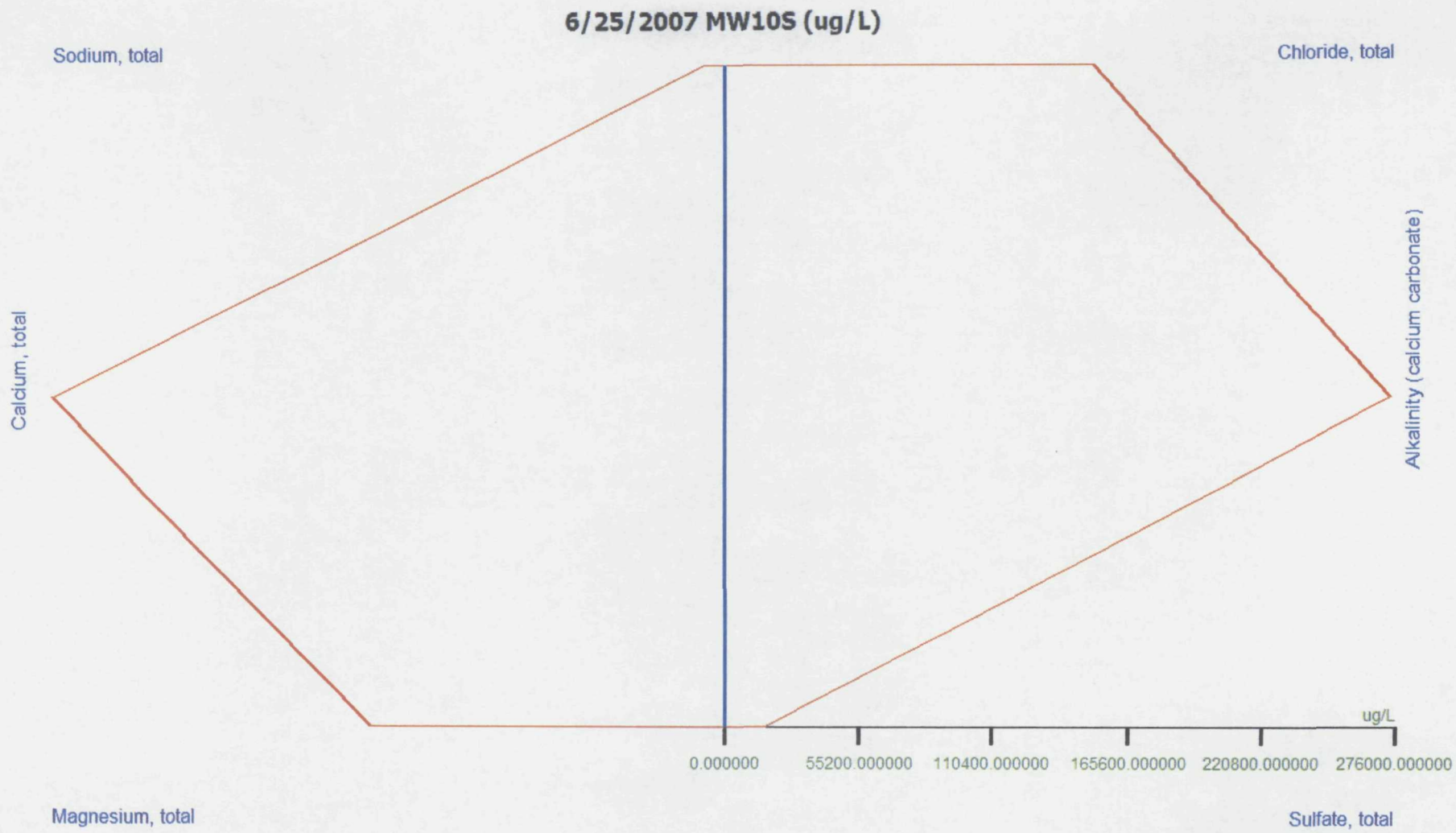

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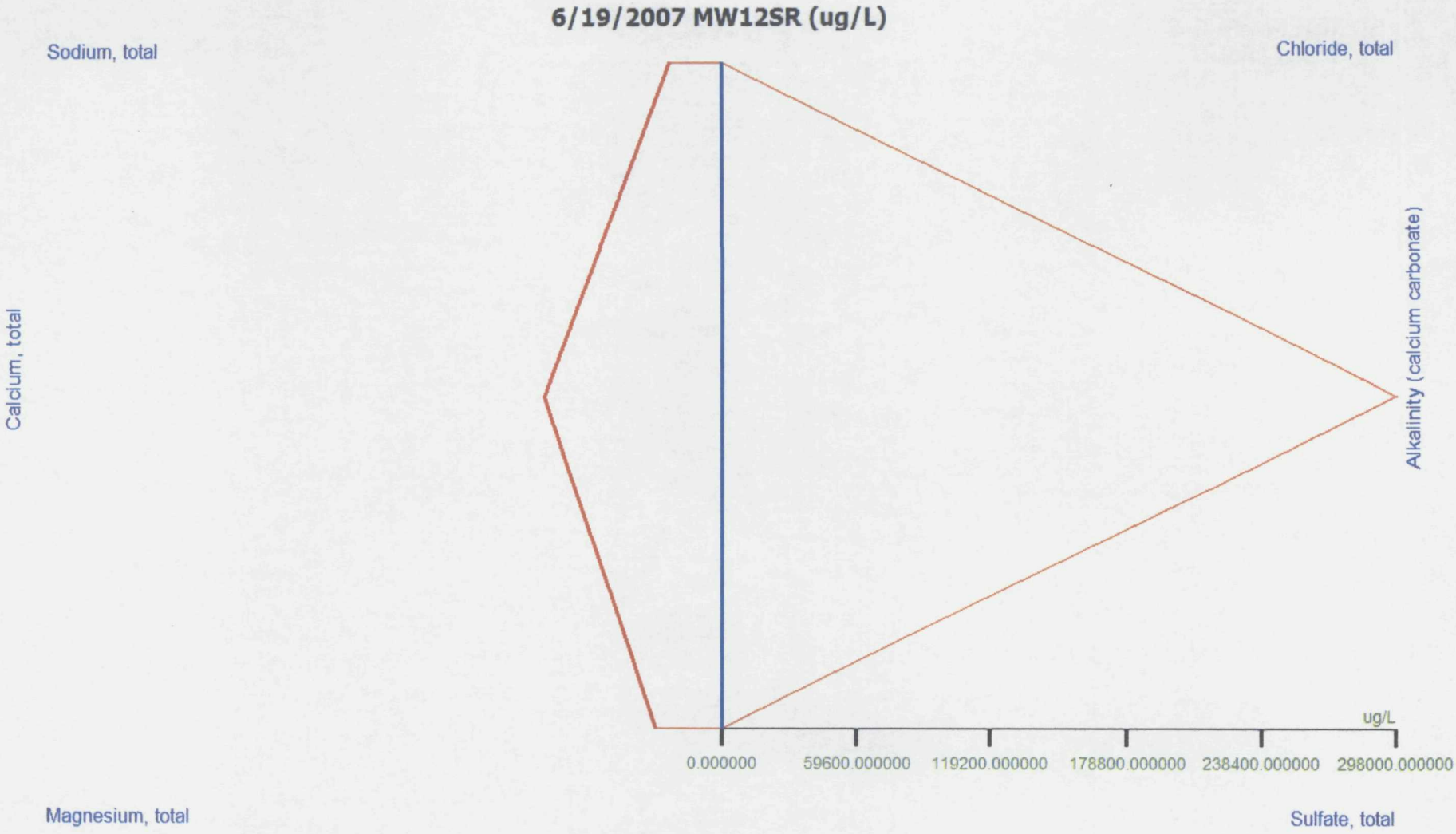

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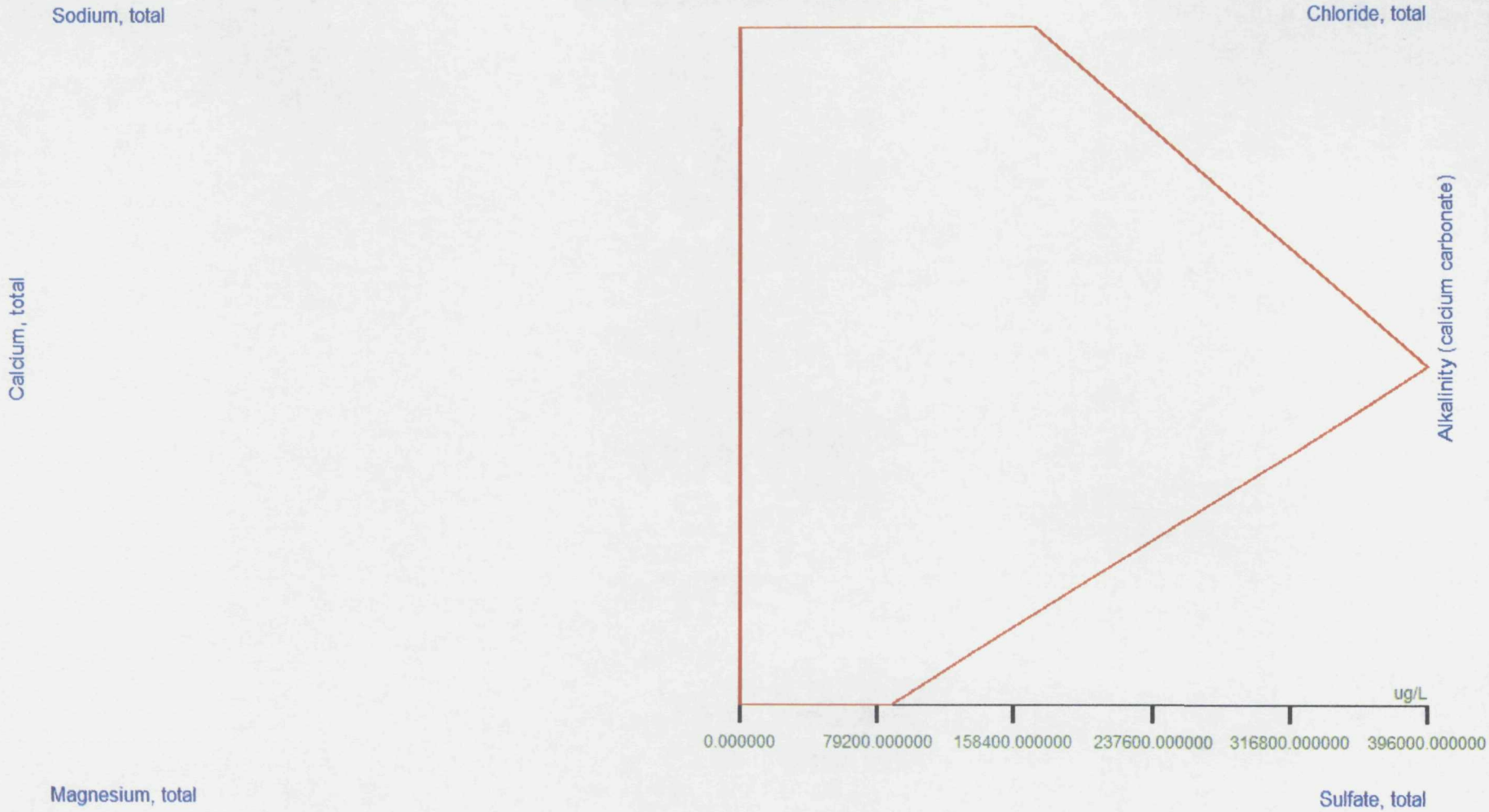

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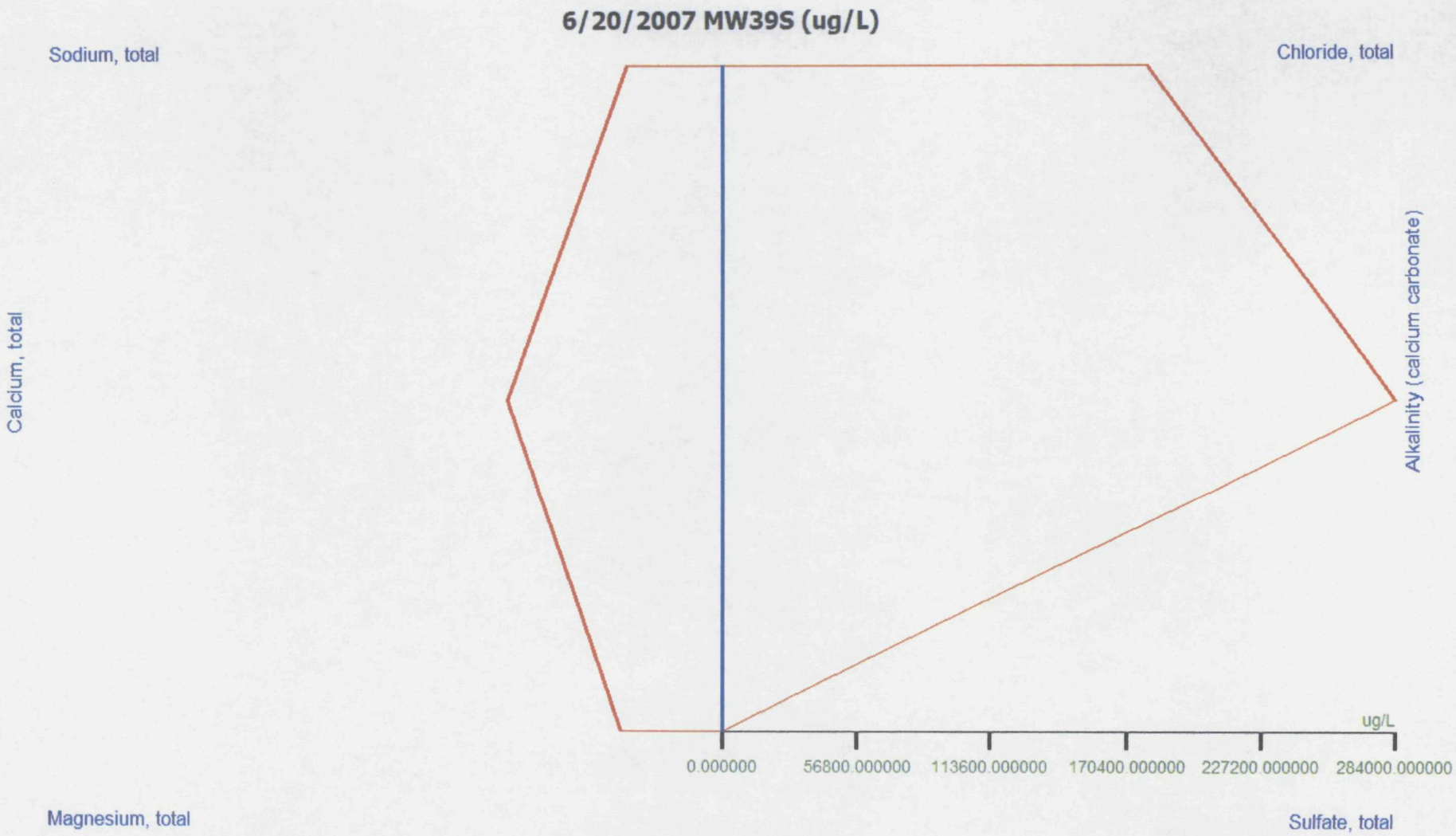

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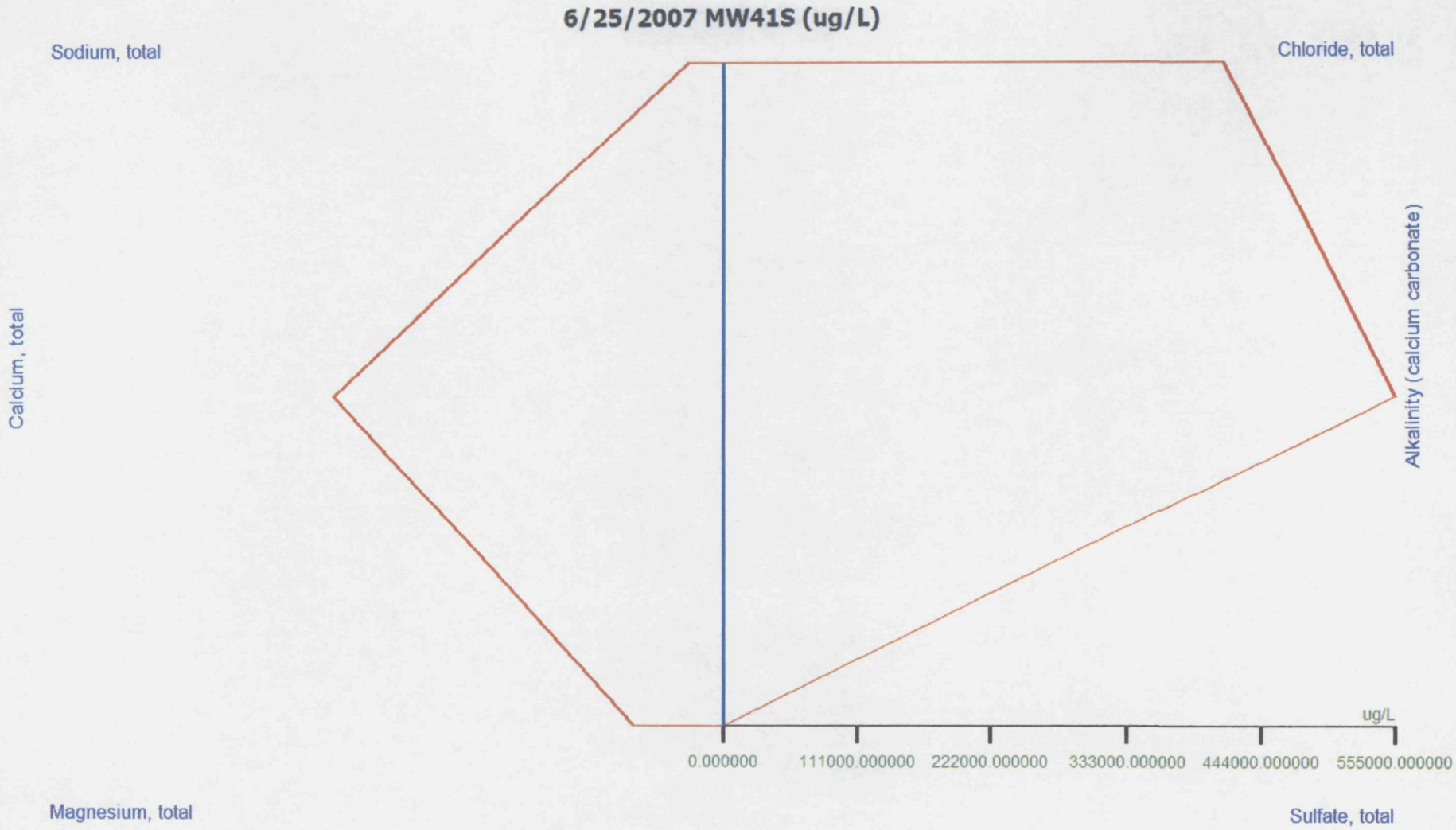

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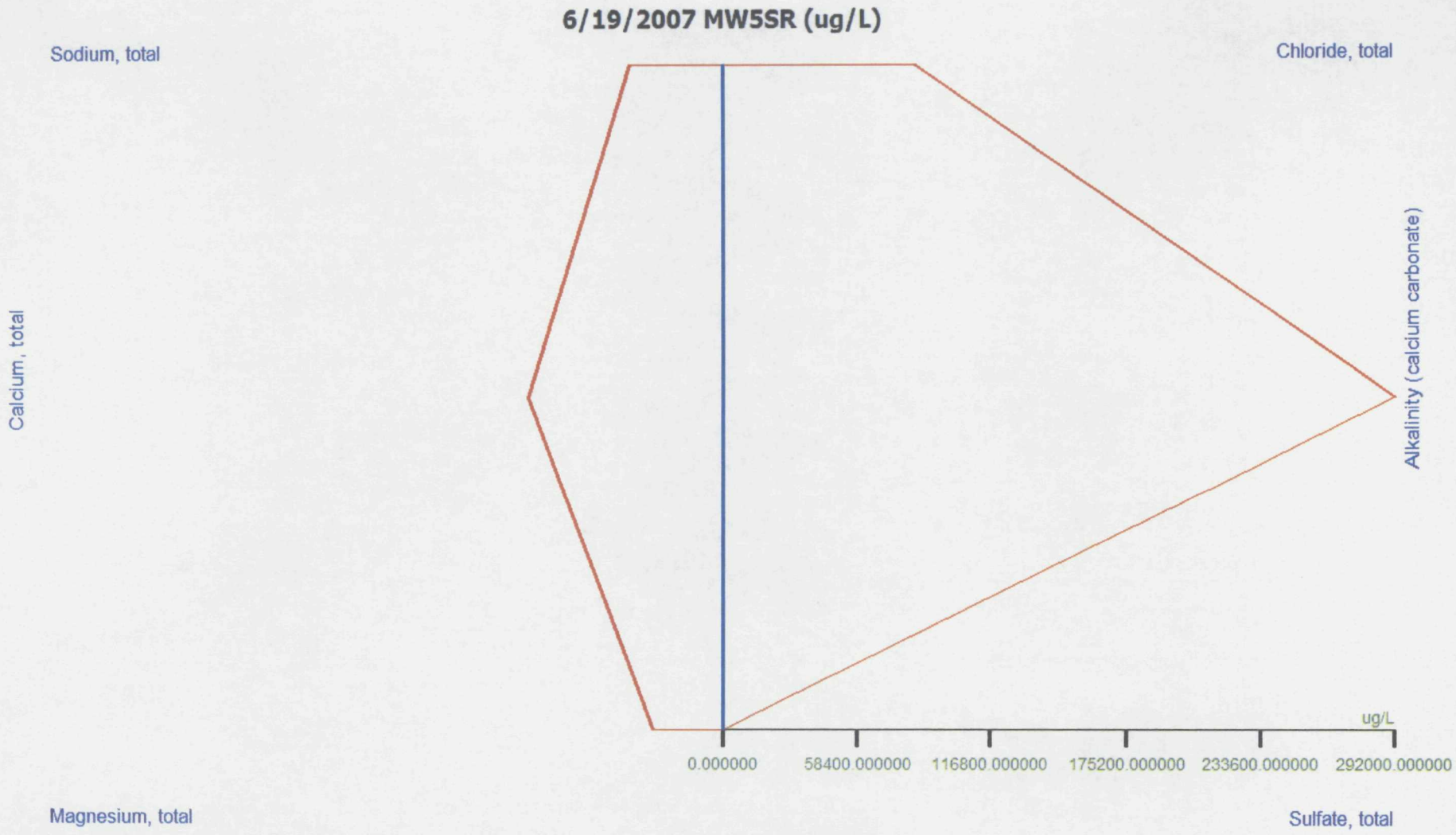

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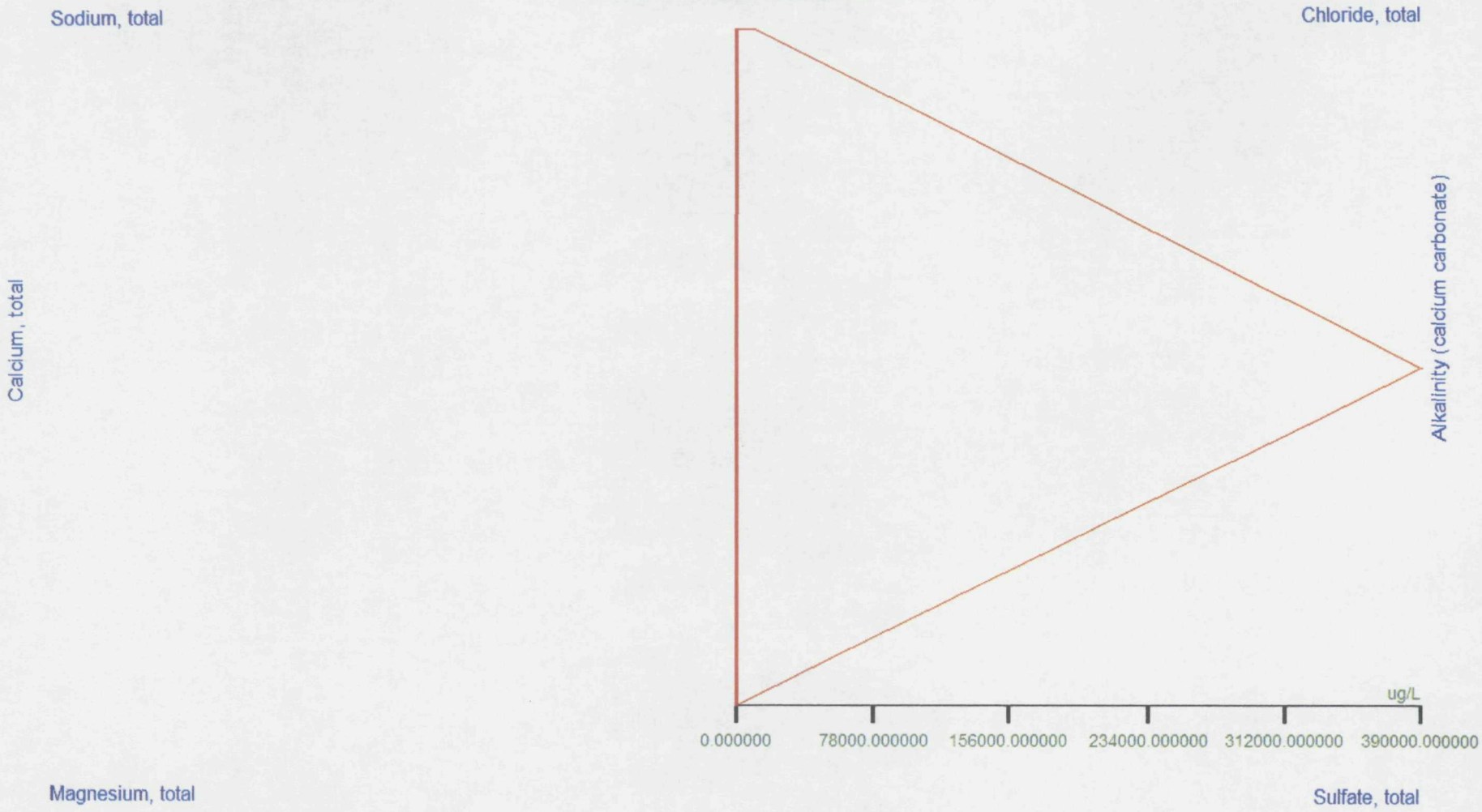

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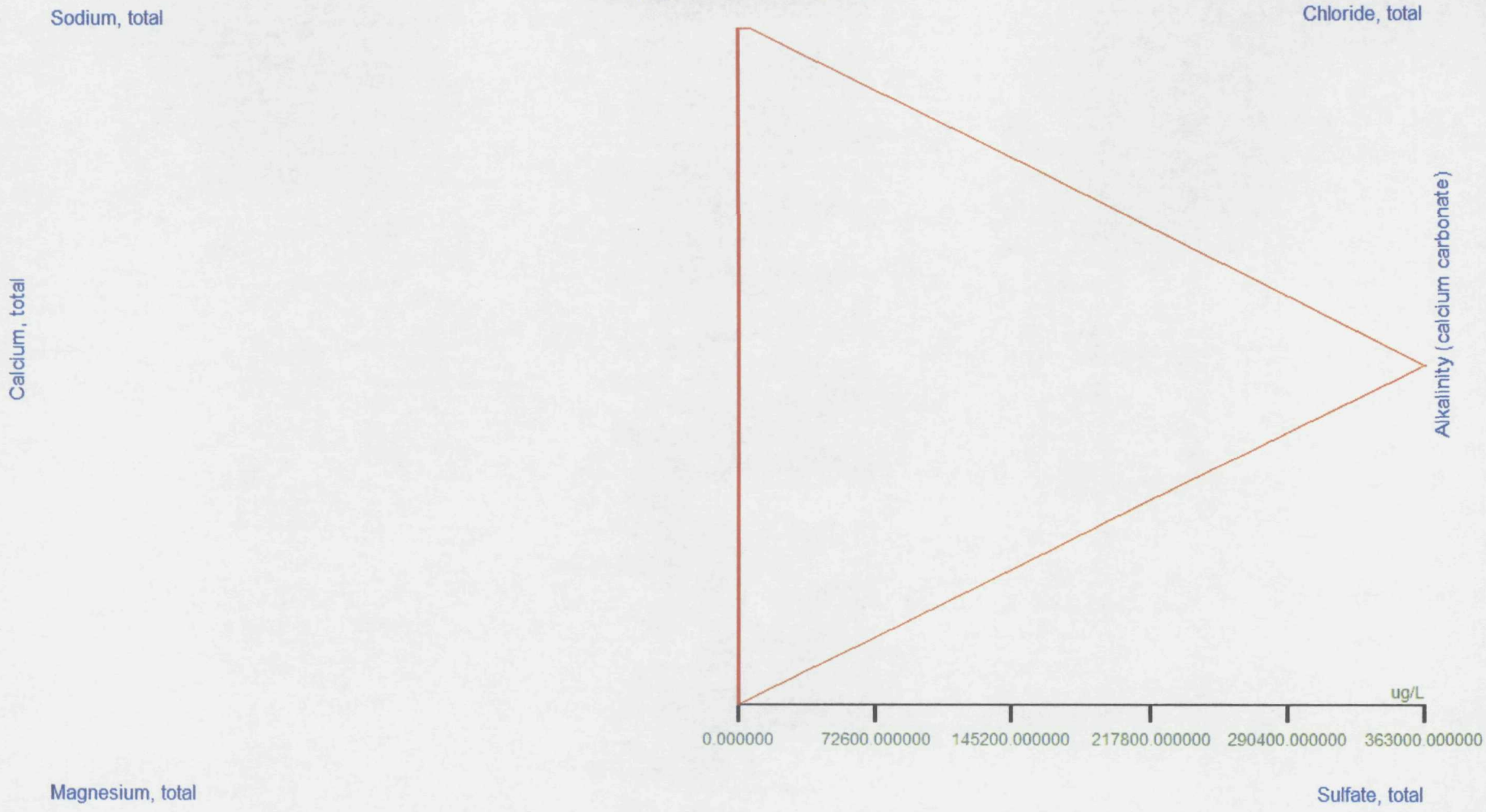

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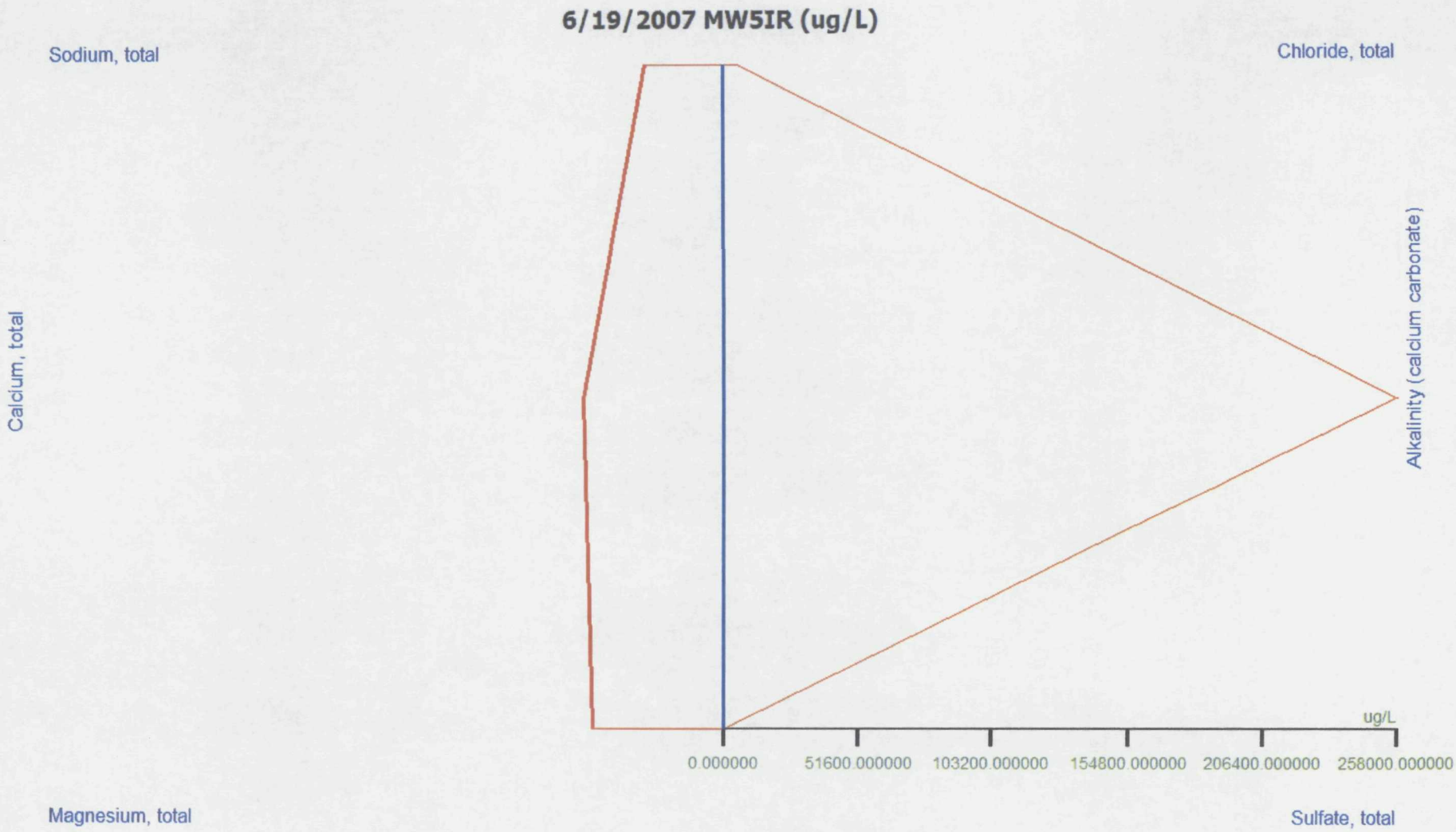

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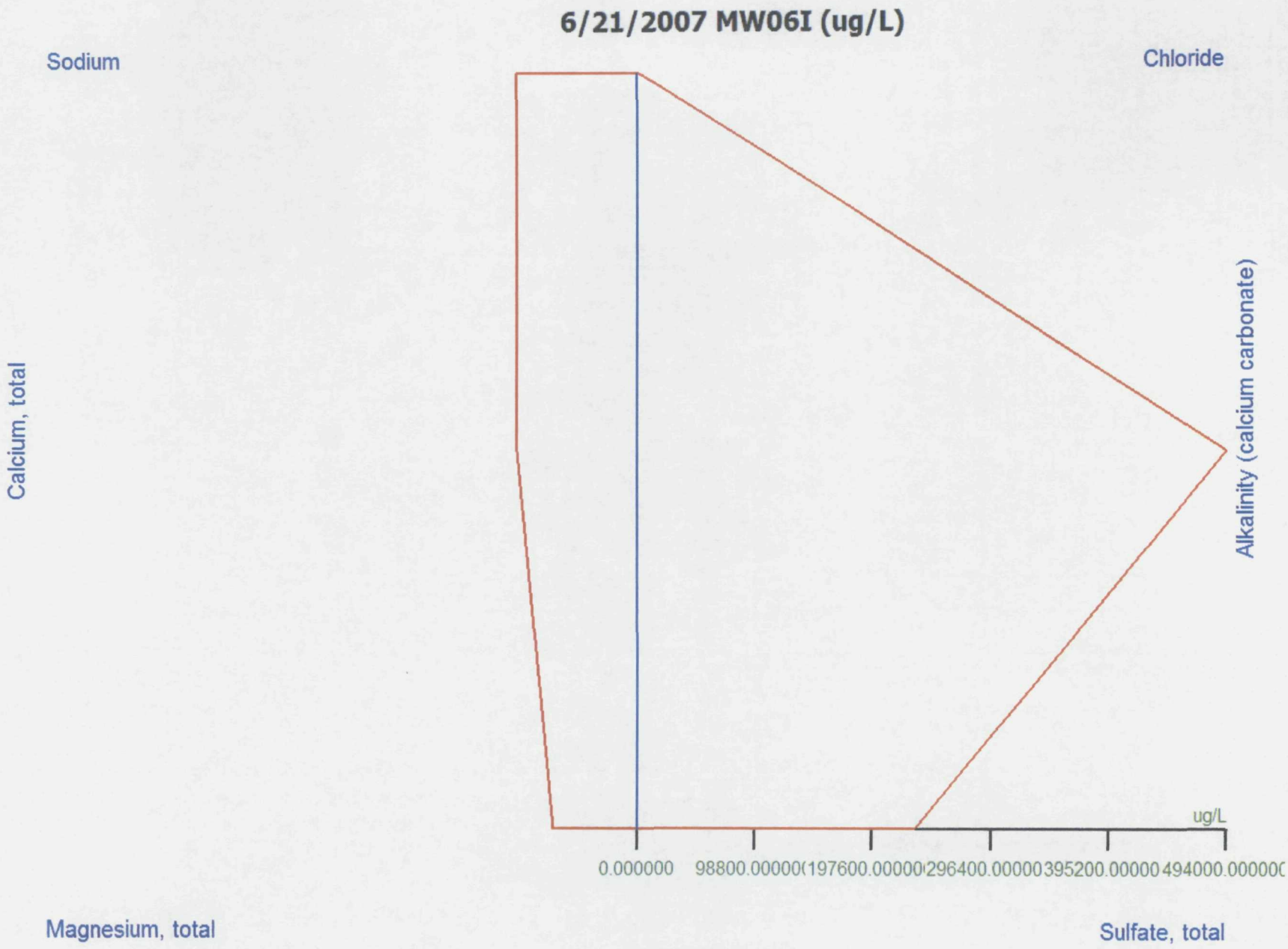

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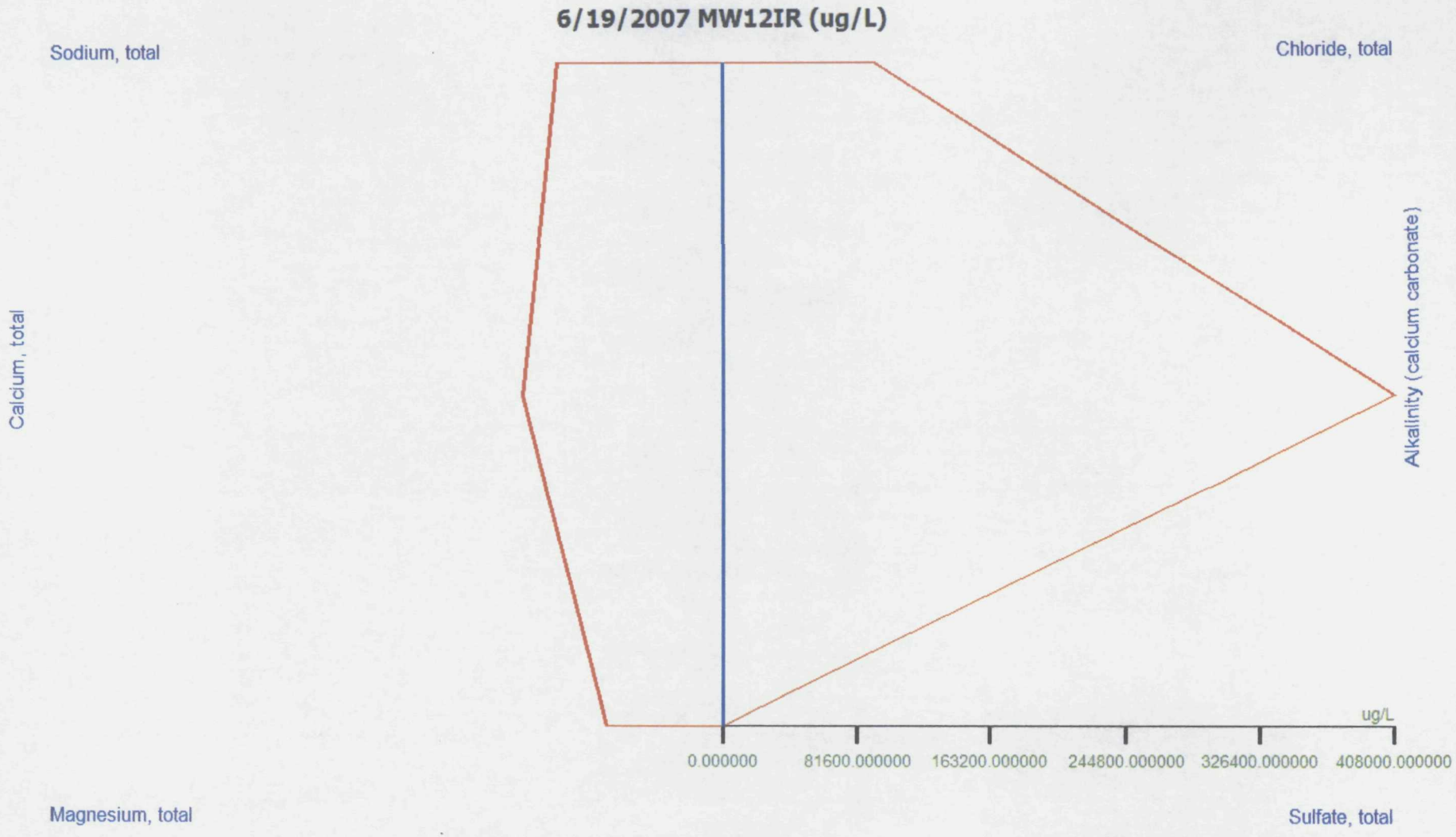

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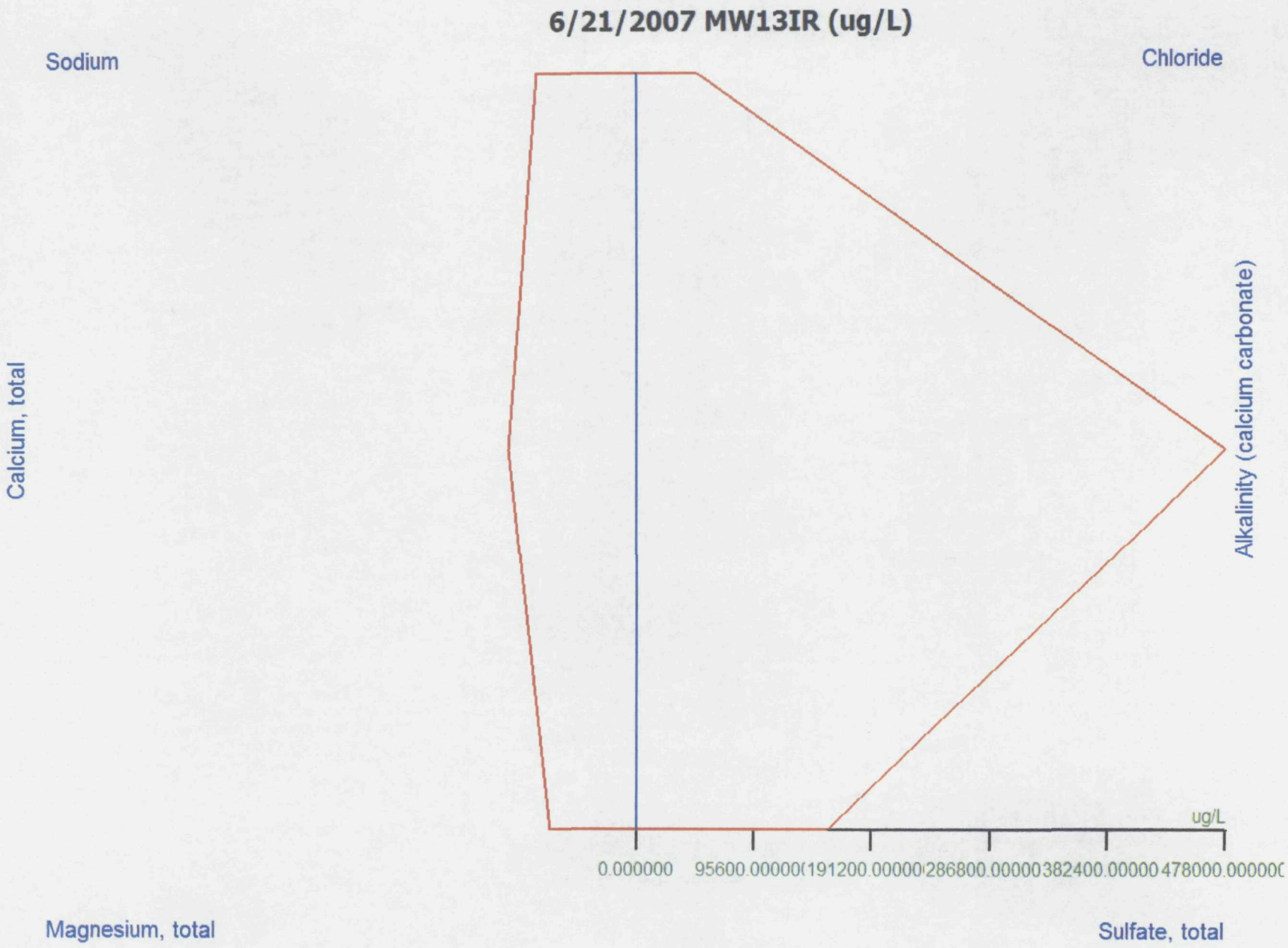

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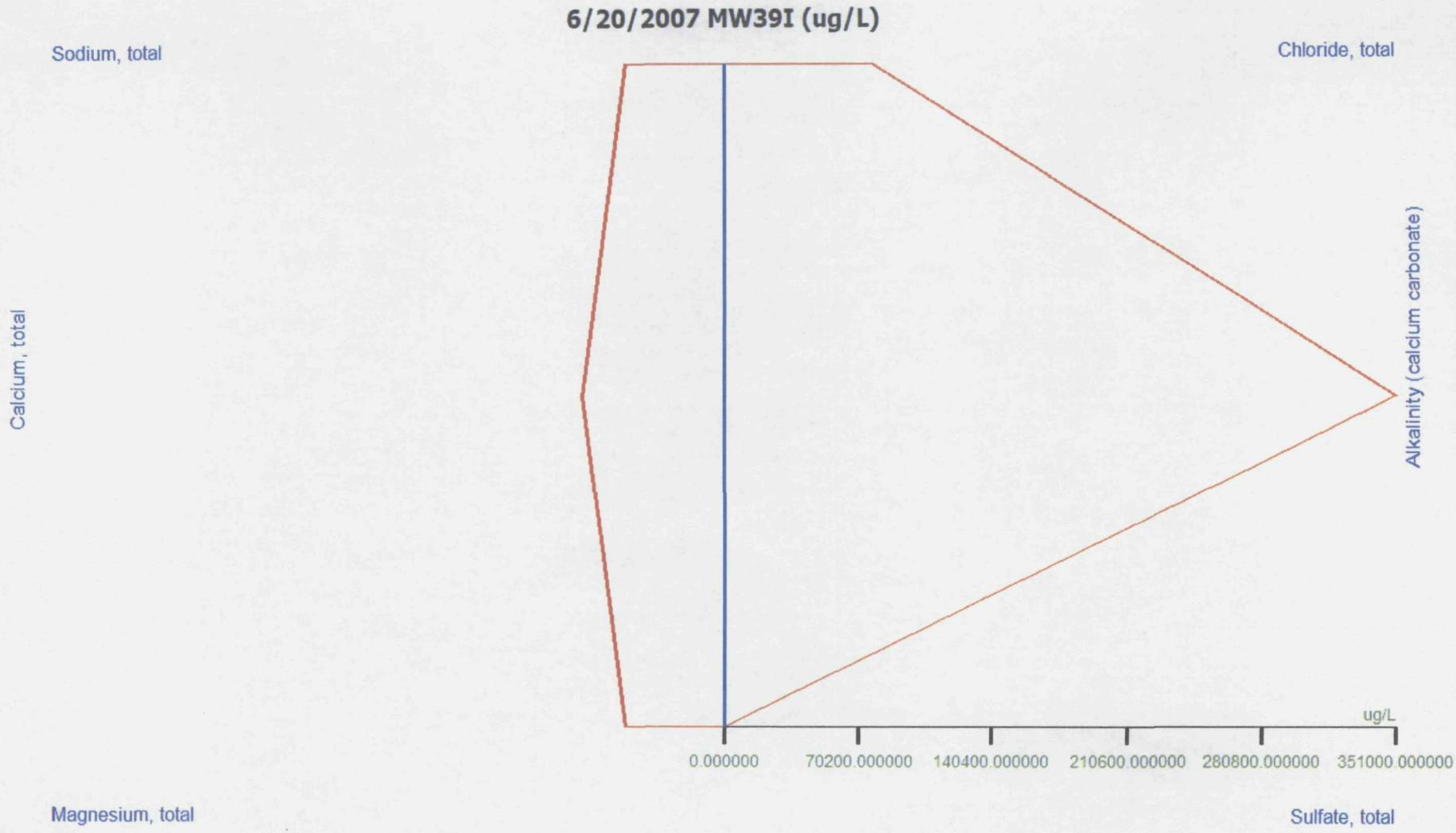

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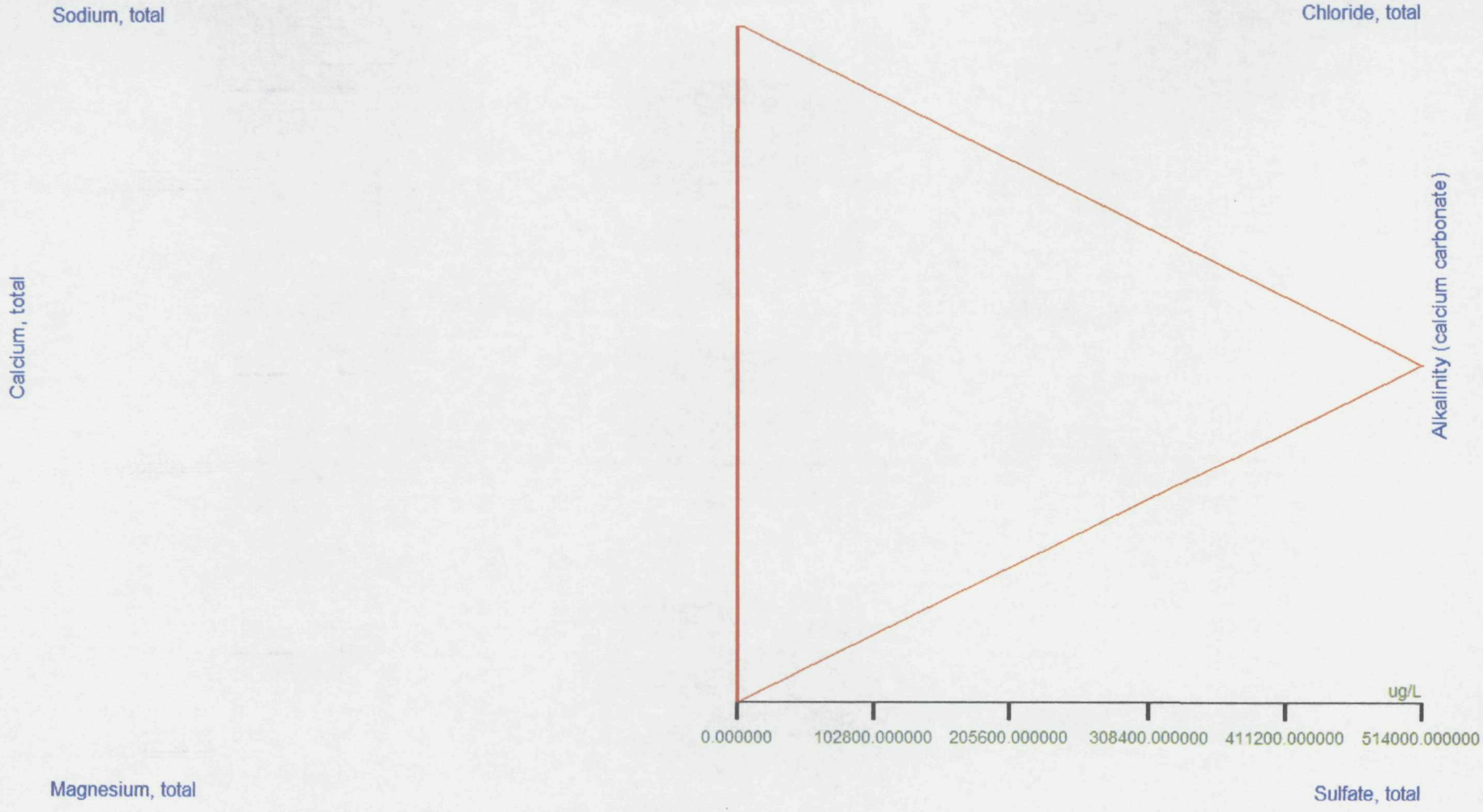
6/19/2007 G112 (ug/L)



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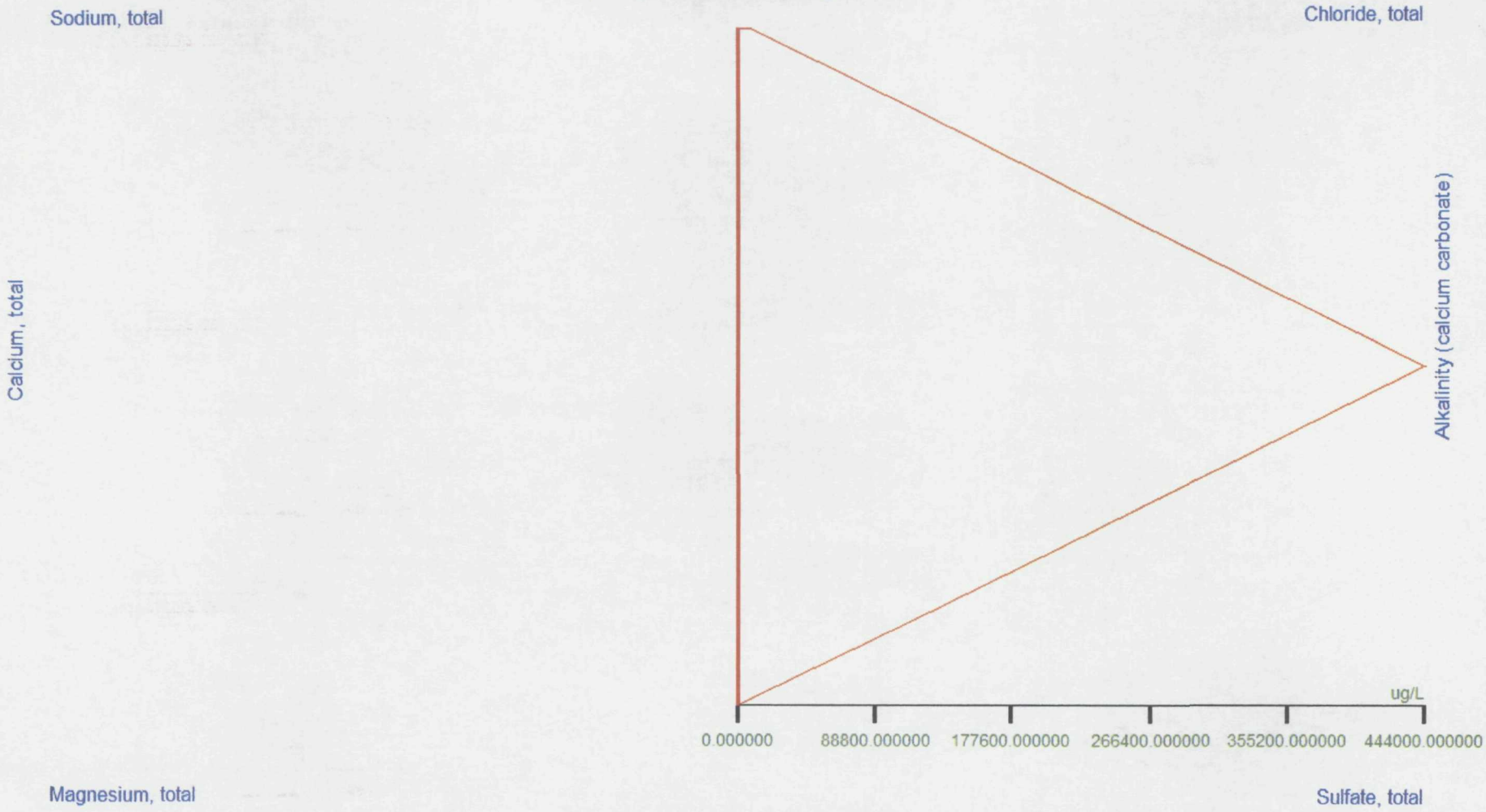

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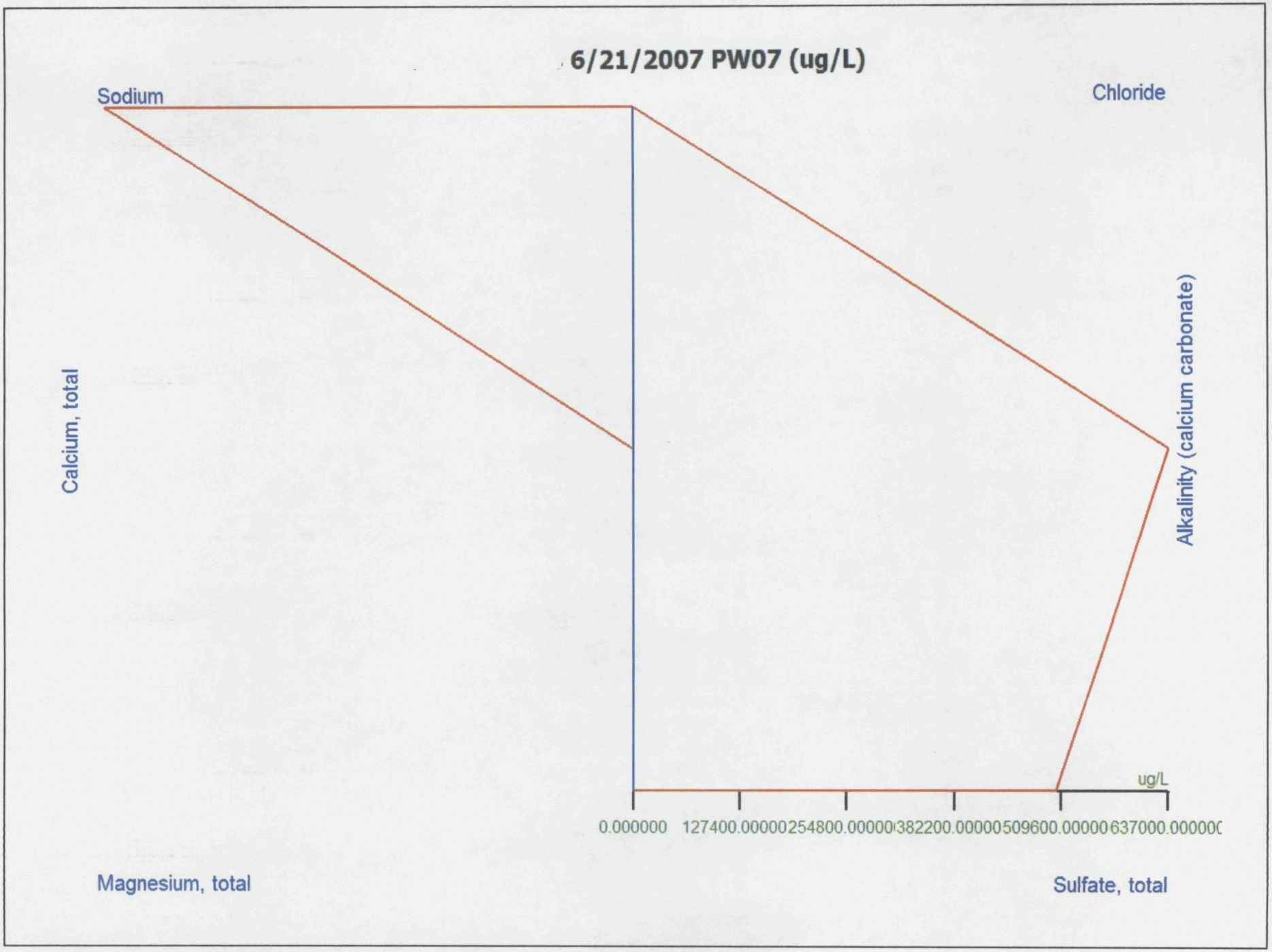

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