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June 4, 2010

Mr. John V. Fagiolo
Remedial Project Manager
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Region V – Remedial Response Branch
Office of Superfund
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Chicago, IL 60604

SUBJECT: Tri-County and Elgin Landfills - 2009 Annual Report
BT Squared Projects #3822 and #3897

Dear Mr. Fagiolo:

Enclosed is the 2009 Annual Report for the Tri-County and Elgin Landfills located in South Elgin, Kane County, Illinois. An electronic copy of the report is also provided on the enclosed compact disc (CD).

Please feel free to contact me if you have any questions.

Sincerely,
BT Squared, Inc.

Michael J. Prattke
Division Manager

Enclosure: 2009 Annual Report, Tri-County and Elgin Landfills

cc: Michael L. Peterson, WMII (1 copy and CD)
Eric Ballenger, RSI (1 copy and CD)

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SMART
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SOLUTIONS

2009 ANNUAL REPORT

Tri-County and Elgin Landfills

South Elgin, Kane County, Illinois

June 2010

Prepared For:

United States Environmental Protection Agency
Region V – Remedial Response Branch
Office of Superfund
77 W. Jackson Boulevard HSRL-6J
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BT SQUARED Projects #3822 and #3897

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1.0 INTRODUCTION

This annual progress report (Report) summarizes the operation and maintenance (O&M) activities performed by Waste Management of Illinois, Inc. (WMII) and Republic Services, Inc. (RSI, formerly Allied Waste [AWI], and previously Browning Ferris Industries [BFI]) at the Tri-County/Elgin Landfills Superfund site (Site) in Kane County, Illinois, during the period January 1, 2009 through December 31, 2009. The activities are related to the O&M of the remedial components at the Site, which include:

- Source Control Measures
  - O&M of the landfill gas collection and combustion system
  - Maintenance and monitoring of the landfill cap and Site access controls
- Groundwater Sampling and Analysis

The remedial components have been operational since 2001. The Tri-County and Elgin Landfills received construction completion on September 30, 2000, and November 1, 2001, respectively.

There were no workplans or other deliverables completed or submitted to the U.S. Environmental Protection Agency (USEPA) during 2009. These annual reports are reviewed by USEPA and are considered in their periodic reviews of the Site. The USEPA completed their second five-year review of the Site in 2009. The report was dated September 3, 2009.

2.0 SOURCE CONTROL MEASURES

The source control remedial components for the Site generally include the landfill gas collection and combustion system, the landfill cap, and Site access controls. The Tri-County and Elgin Landfills are adjacent but separate landfills and thus are operated and maintained independently, by different parties.

The Tri-County Landfill is approximately 46 acres and is maintained by WMII. WMII operates a hauling company on approximately 4 acres of that Site, and the cap in that area is modified asphalt technology for waste containment facilities (MATCON) pavement. The remainder of the cap area generally includes a geomembrane and 18 inches of cover soil to minimize infiltration. Surface water drainage from the paved area is directed through an oil-grit separator and then to perimeter ditches. Surface water from the other capped areas is channeled to an infiltration basin by perimeter drainageways.

Vacuum for the landfill gas collection system is generated by operation of a blower/flare station that is located in the southwest corner of the Tri-County Landfill. WMII engaged Hard Hat Services (HHS) and BT Squared, Inc., to perform O&M functions at the Tri-County portion of the Site during this reporting period. HHS was contracted for January through May 2009, and BT Squared performed O&M services of the source control measures from June through December 2009. That O&M role generally includes periodic monitoring of the landfill gas control system, site inspections, and compilation of this annual report for the Tri-County Landfill portion of the Site. WMII personnel from the adjacent Woodland Recycling and Disposal Facility (RDF) also support the O&M of the landfill gas control system on an as-needed basis.

Specific activities include periodic inspections of the landfill cap, perimeter access controls, stormwater control features, blower/flare station, 3 condensate knockouts, and monthly monitoring of 25 vertical landfill gas extraction wells, 3 horizontal trenches, and 4 perimeter landfill gas probes. The landfill gas at the blower flare station is sampled annually. The vegetation atop the cap is mowed to control growth of woody vegetative species, and the MATCON portion of the cap is maintained as needed. The Site features are shown on **Figure 1**.

The Elgin Landfill is approximately 20 acres and is maintained by RSI. The landfill cap generally includes a geomembrane and 18 inches of cover soil to minimize infiltration. Stormwater drains to two on-site detention ponds and then is transmitted off site by perimeter ditches. RSI engaged Landmarc Environmental Systems, LLC (Landmarc) to perform O&M functions at the Elgin portion of the Site during this reporting period. Their role there generally includes periodic monitoring of the landfill gas extraction points and gas probes on that landfill, and site inspections. RSI also engaged BT Squared to prepare this annual report to include the data from the Elgin portion of the Site.

Specific activities during this reporting period include quarterly inspections of the landfill cap, perimeter access controls, stormwater control features, condensate knockout/lift station, 2 monitoring control stations, 19 landfill gas extraction wells, and 5 perimeter landfill gas probes. The vegetation atop the cap is mowed to control the growth of woody species. The Site features are shown on **Figure 1**.

2.1 Progress Made During This Reporting Period

2.1.1 Tri-County Landfill

The landfill gas extraction points (wells and trenches) and blower/flare station were sampled monthly during this reporting period. In response to a request from WMII, USEPA approved a reduction in monitoring frequency to quarterly starting in 2010. The points are sampled using field instrumentation to monitor % methane, % oxygen, % carbon dioxide, pressure (as it relates to flow), and temperature. The data are included on the field sheets provided in **Appendix A**. The operation of the blower/flare is summarized in **Table 1**.

The perimeter landfill gas monitoring probes were also sampled monthly during this reporting period. In response to a request from WMII, USEPA approved a reduction in monitoring frequency to quarterly starting in 2010. The probes are sampled using field instrumentation to monitor % methane, % oxygen, % carbon dioxide, and pressure. The data are included on the field sheets provided in **Appendix A**.

A landfill gas sample was collected at the blower/flare station for laboratory analysis on December 16, 2009. The sample was sent to TestAmerica Los Angeles for analysis of hydrogen sulfide, non-methane organic hydrocarbon (NMOC), and organics (TO-15). The report from the laboratory is provided in **Appendix B**. WMII personnel from the adjacent Woodland RDF perform maintenance at the blower/flare station. The maintenance activities include routine cleaning and lubrication, as well as monitoring of condensate levels in the holding tank. Condensate is removed and disposed off site as necessary. Adjustments to the extraction points, collection system, or blower/flare are made as needed to maximize flare run times. Operational parameters are also described on the field sheets provided in **Appendix A**.

During the monthly site visits, the condition of the monitoring points, perimeter fence and access points (i.e., gates), and landfill cap are observed. Any deficiencies are noted and corrected as soon as practical.

Several minor issues with monitoring points were repaired during this reporting period, and several tree limbs were removed from atop the perimeter fencing. None of the limbs significantly damaged the fencing, and the fence maintained its function of restricting access to the Site. The MATCON portion of the cap was resurfaced and sealed during this reporting period, as part of routine maintenance. The oil-grit separator was also inspected. The unit appears to be functioning and no maintenance was necessary during this reporting period, other than routine replacement of sorbent booms. Results from site inspections are typically documented annually, but were not recorded during this reporting period as

a joint site inspection was performed in conjunction with USEPA on August 3, 2009, and the five-year review for the Site.

The soil/geomembrane cap appears to be functioning as designed, and there were no areas that required erosion repairs during this reporting period. The southern half of the cap vegetation was mowed in September 2009. Approximately 50% of the vegetated area is mowed annually to leave undisturbed area for bird nesting and to promote diversity in plant species atop the cap. Woody vegetation was cleared from the perimeter ditches atop the cap during this reporting period to maintain surface water flow.

2.1.2 Elgin Landfill

The landfill gas extraction points (wells) were sampled quarterly during this reporting period. The points are sampled using field instrumentation to monitor % methane, % oxygen, % carbon dioxide, pressure (as it relates to flow) and temperature. The data are included on the field reports provided in **Appendix C**.

The perimeter landfill gas monitoring probes were also sampled quarterly during this reporting period. The probes are sampled using field instrumentation to monitor % methane and pressure. The data are also included on the field logs provided in **Appendix C**.

During the quarterly site visits, the condition of the monitoring points, perimeter fence and access points (i.e., gates), landfill cap, and stormwater ponds are observed. Any deficiencies are noted and corrected as soon as practical. The results from the inspections are included on the forms provided in **Appendix C**.

2.2 Data Evaluation

2.2.1 Tri-County Landfill

The soil/geomembrane and MATCON caps appear to be functioning as designed, and there were no areas that required repair during this reporting period. Routine maintenance of the MATCON cap performed during this reporting period will continue to provide reduction in infiltration in the paved area.

Periodic removal of fallen tree limbs is necessary to maintain the integrity of the perimeter fencing. Given the location and condition of the Site, additional measures (i.e., removal of live trees) do not appear warranted.

The landfill gas collection system continues in continuous operation, but the relatively low volume of gas that is currently generated by waste decomposition, and is therefore available for the system to collect

and combust, presents operational challenges with regard to keeping the flare lit. Flows from the individual collection points are low, generally less than 5 cubic feet per minute (cfm), and total flow at the blower/flare is less than 100 cfm. Landfill gas quality, in terms of methane concentration, is at the low end of the operational range. Oxygen concentrations are generally maintained below 5% at each of the extraction points, but despite the geomembrane cap, oxygen levels increase and methane concentrations decrease when vacuum is increased at the extraction points. Several extraction wells are typically closed because of the low gas production.

Landfill gas quality, as defined by results from annual analysis for organics, NMOC, and hydrogen sulfide, is not remarkable. The results indicate low concentrations of multiple organic compounds, with total xylenes being the most prevalent. Hydrogen sulfide was not detected, and the total NMOC (as methane) was in the normal range for landfill gas.

Data from sampling of the perimeter gas probes indicate the presence of landfill gas above the Lower Explosive Limit (LEL) of methane, or 5% gas, at one point. This probe (GP2) is located at the property line adjacent to the ARC Disposal property, and the results are likely related to buried waste in the vicinity of the probe and further south of the site under the vacant buildings. There is generally little or no positive pressure associated with the methane concentration, thus gas migration is not likely significant. As a precaution, the probe was connected to the landfill gas collection system so that a slight vacuum is maintained at the probe. Methane is not typically identified at the other probes.

The monitoring points are in acceptable condition and necessary minor repairs to wells, hoses, and valves were made in a timely manner, so that it did not materially affect the operation of the collection and combustion system.

2.2.2 Elgin Landfill

The quarterly inspection reports from this reporting period do not identify any issues with cap vegetation, perimeter fencing, gates, slopes, ponds or swales. No repairs were necessary during this reporting period.

Operational data from landfill gas extraction points and associated control points (knockouts, lift stations, control stations, and cleanouts) do not indicate any significant issues with system operation. As with the data from Tri-County, landfill gas production (i.e., flow) is low, and gas quality is poor. Several extraction wells are typically closed because of the low gas production. The wells and system are operated appropriately given those constraints.

Data from sampling of the perimeter gas probes do not indicate the presence of landfill gas above the LEL of methane, 5% gas, or with significant pressure.

The monitoring points are in acceptable conditions and no repairs were needed during this reporting period.

2.3 Projected Activities

Continued O&M of the remedial components described above.

2.4 Summary of Meetings

Representatives of WMII, RSI, and USEPA met at the Site on August 3, 2009, to perform a joint inspection as part of the second five-year review for the Site. USEPA issued the results of that review in a report dated September 3, 2009.

2.5 Conclusions

According to the second five-year review report, and associated site inspection on August 3, 2009, the landfill covers were in good condition with adequate grass cover. No evidence of erosion, cracking, or sliding was observed. No deep rooting vegetative species were observed on the cap. MATCON pavement was in good shape and well maintained with no significant problems. Perimeter fencing and surface drainage channels were in good condition.

The landfill cap is performing as designed in reducing infiltration at the Site. The perimeter fencing, gates, and signage are also functioning as designed, as there were no incidences of trespass or damage to Site components.

The landfill gas collection system continues in continuous operation, but the relatively low volume of gas that is currently generated by waste decomposition, and is therefore available for the system to collect and combust, presents operational challenges with regard to keeping the flare lit. Gas quality, in terms of methane concentration, is at the low end of the operational range. The landfill gas system is currently functioning as designed, but may be approaching the time where the flare may not be able to be operated continuously.

Data from periodic monitoring of perimeter gas probes indicate that off-site landfill gas migration is not an issue.

2.6 Recommendations

Considering the low volume and quality of landfill gas currently generated by waste decomposition at the Site, timed or periodic operation of the blower/flare should be considered.

In association with the noted decrease in landfill gas quality over time, annual laboratory analysis of the landfill gas could be discontinued.

3.0 GROUNDWATER CONTROL MEASURES

The Record of Decision (ROD) for the Site originally required that an active groundwater collection and treatment system be installed to meet groundwater standards. However, based on projections made from sampling results during the Pre-Design Investigation (PDI), contaminant concentrations in groundwater were expected to achieve groundwater standards within a reasonable period of time through natural attenuation. Natural attenuation, which includes biodegradation and dispersion, is supported by implementation of the source control measures (cap and landfill gas extraction systems) at the Site. This change in remedy was documented in an Explanation of Significant Differences (ESD) to the ROD, and formed the basis for deferring the groundwater collection component of the remedy to allow for a period of observation.

In accordance with that approach, a groundwater monitoring plan for the Site was prepared to meet the following objectives: 1) provide early warning of a significant increase in groundwater contamination caused by a release of hazardous substances, pollutants, or contaminants from the Site after the Remedial Action (RA) and during the 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 environment downgradient of the Site.

Requirements for the long-term groundwater monitoring on the Tri-County Landfill portion of the Site are detailed in a January 2002 document entitled “Remedial Action Long-Term Groundwater Monitoring Program.” The requirements for the Elgin Landfill are included as a chapter in the document entitled “Operation and Maintenance Plan, Elgin Landfill Superfund Site,” dated March 2003. The sampling and analytical program is summarized in **Table 2**. The locations of the wells sampled are shown on **Figure 2**.

3.1 Site Geology

A brief summary of the Site geology and hydrogeology, as originally presented in the PDI report dated February 1996, is presented here for reference.

> Unconsolidated deposits at the site range in thickness from 70 and 90 feet. The deposits consist of two distinct geologic units deposited during the Wisconsinian 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.

3.2 Site Hydrogeology – Sample Locations

The hydrogeology of the Site 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.

As shown on **Figure 2**, there are a total of 29 wells sampled for the Tri-County Landfill including:

- Eleven groundwater wells designated as MW1S, MW2SR, MW5SR, MW6S, MW10S, MW12SR, MW25S, MW38S, MW39S, MW41S, and G135, and two piezometers designated as PZ29 and PZ32 in the shallow zone.
- Ten groundwater wells designated as MW1I1, MW1I2, MW2IR, MW5IR, MW6I, MW10I, MW12IR, MW13IR, MW39I, and G142 in the intermediate zone.
- Three groundwater wells designated as MW1DR, MW40DR, and G112 in the deep zone (bedrock aquifer).
- Three private wells including the water supply wells at the Woodland Recycling and Disposal Facility (PW-07), Chicago Stone (PW-09), and WMII repair facility (PW-23).

As shown on **Figure 2**, there are a total of 16 wells sampled for the Elgin Landfill including:

- Six groundwater wells designated as MW9S, MW20S, MW21S, MW24S, MW36S, and MW37S in the shallow zone.
- Six groundwater wells designated as MW9I, MW22I, MW23I, MW36I, MW38I, and G141 in the intermediate zone.
- Four groundwater wells designated as MW9D, MW36D, MW38D, and G111 in the deep zone (bedrock aquifer).

Thus, there are a total of 19 sampling locations in the shallow zone, 16 sampling locations in the intermediate zone, and 7 points in the deep zone, not including the 3 private wells that are also likely located in the bedrock aquifer, included in the annual groundwater sampling program for the Site.

3.3 Progress Made During This Reporting Period

The 2009 annual groundwater monitoring event at the Site was performed from June 9-11, 2009, for the Tri-County Landfill and June 23-25, 2009, for the Elgin Landfill. As described above, individual wells at the Site are identified as being associated with either the Tri-County or Elgin Landfills. Environmental Monitoring and Technologies (EMT) of Morton Grove, Illinois, sampled the wells associated with the Tri-County Landfill. Herst and Associates of St. Charles, Missouri, sampled wells associated with the Elgin Landfill. Laboratory analysis of samples was provided by TestAmerica of Buffalo, New York, except that nitrate analysis is performed locally by EMT (for Tri-County wells) and Heritage Environmental Services (for Elgin wells) to meet the short holding times associated with that parameter.

Samples are collected from the wells and analyzed on site for a variety of field parameters. A summary of the groundwater wells sampled, including the hydrostratigraphic unit and the required analysis for each well, is provided in **Table 2**. Analyses are categorized as volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and cyanide, and indicator parameters. The individual parameter lists for these groups are shown in **Tables 3** through **6**, respectively.

Please note that wells MW36S and MW37S, associated with the Elgin Landfill, were dry during this sampling period, thus no water elevation was measured and no sample was collected. Also, there was no sample collected for nitrate/nitrite analysis at well G111.

3.3.1 Groundwater Level Measurements

The depth to groundwater and the respective groundwater elevations for this sampling event are provided in **Tables 7** and **8**. The water elevations for the Tri-County Landfill wells were measured prior to beginning groundwater sampling on June 9, 2009. Water elevations are also taken at the time the samples are collected. These measurements are also provided in the tables. Water elevations for the Elgin Landfill wells were taken during sampling on June 23-25, 2009.

3.3.2 Groundwater Sampling

The groundwater monitoring wells associated with the Tri-County Site were sampled using low flow sampling techniques and the wells are generally equipped with dedicated sampling equipment. At the

five wells (MW1S, MW10S, MW25S, MW38S, and MW41S) that are not fitted with dedicated sampling equipment, a peristaltic pump and new tubing is used to collect the samples.

The groundwater monitoring wells associated with the Elgin Landfill were generally sampled using Micropurge techniques. Four of the wells (MW36I, MW38I, G141, and G111) sampled for the Elgin Site are equipped with dedicated sampling equipment. The remaining wells were sampled using a peristaltic pump, bladder pump, or a disposable polypropylene bailer.

Field sampling activities were documented on the field information forms/logs, which are included as an attachment to the electronic copies of the laboratory data reports. The laboratory data reports are included on a compact disc (CD) that is enclosed with this report. 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. For wells sampled using low flow procedures, measurements were recorded at approximate five-minute intervals during purging. 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). Consistent with prior sampling events, field sampling personnel identified six wells at Tri-County, and five wells at Elgin where turbidity readings were above, or did not stabilize below 10 NTUs.

Groundwater samples were collected in bottles provided by the laboratory and placed in insulated coolers on ice for shipment to the laboratory. Chain-of-Custody Forms were completed for each sample cooler. Copies of the Chain-of-Custody Forms are also included in the laboratory data packages on the CD.

3.3.3 Analytical Results

Summary tables are provided for the laboratory and field data in **Appendix D**. The tables include:

- Shallow Well Laboratory and Field Data, Tri-County and Elgin Landfills
- Intermediate Well Laboratory and Field Data, Tri-County and Elgin Landfills
- Deep Well Laboratory and Field Data, Tri-County and Elgin Landfills
- Private Well Laboratory and Field Data
- Quality Control Sample Results

An electronic data deliverable, provided by TestAmerica, of the analytical results is provided on a CD that is included with this report. The CD also includes copies of the laboratory data packages for the samples collected during this reporting period for the Tri-County and Elgin Landfills.

3.3.4 Data Quality

3.3.4.1 Laboratory Quality Control

Laboratory analytical results associated with the 2009 groundwater monitoring event 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 that evaluation are summarized on the worksheets provided in **Appendix E**.

3.3.4.2 Quality Control Samples

There were a total of 5 field blanks, 9 trip blanks, 1 equipment blank, and 5 duplicate samples analyzed by the laboratory to assess data quality during this sampling period. The data from analysis of these samples are included in **Appendix D**. Analysis of the equipment blank and field blanks did not identify any compounds at concentrations that would indicate a potential impact on the data quality of the samples from the monitoring wells. There were no VOCs identified above the reporting limits in the trip blanks.

Duplicate samples were taken at wells MW9D, MW21S, MW12IR, MW6I, and MW2SR during this sampling period. Data reproducibility are evaluated using quantified results for inorganic or indicator parameters, since no VOCs were reported from analysis of the samples. The results from analysis of the data from duplicate samples compared to the well data indicated a range of reproducibility in the results. In some cases (i.e., MW12IR and MW2SR), data reproducibility was well within the expected range (0 - 20%). For example, the relative percent difference (RPD) for select inorganic parameters (total dissolved solids [TDS], alkalinity, and chloride) at MW12IR ranged between 0.6% (TDS) and 2.4% (chloride). At MW2SR, the RPD for these parameters ranged from 0.3% (alkalinity) to 12.5% (chloride). At other wells, the RPD was outside the expected range for one or more of the identified parameters. For example, at MW21S, the RPD ranged from 27% (alkalinity) to 58% (TDS). At MW9D, the RPD for these parameters ranged from 0% (alkalinity) to 119% (chloride). At MW6I, the RPD for these parameters ranged from 0.4% (TDS) to 200% (chloride). It should be noted that the data for several of these parameters are qualified by the laboratory and variations in quantification of inorganic parameters is not expected to affect results from other analyte groups (i.e., VOCs).

Three samples were collected for analysis as a matrix spike/matrix spike duplicate (MS/MSD) during this reporting period. The samples were taken at wells MW2IR, MW6S, and MW-9I. The results from analysis are provided with the laboratory data packages, on the enclosed CD. The recoveries and RPD of the duplicates were generally within acceptable ranges, thus there do not appear to be any significant matrix interferences that would materially impact the data from analysis of groundwater samples at the Site. The only exceptions were that analysis of the MS/MSD on the sample from MW2IR had a low recovery for iron, and the MSD performed on the sample from MW5SR had an elevated recovery for calcium. In both instances, the associated laboratory control sample had acceptable recovery indicating a sample matrix effect.

3.3.4.3 Result Quantification

A number of samples were diluted by the laboratory to quantify the results. These results are qualified with a "D flag." In this case, the associated detection limits and reporting limits are increased by the dilution factor. There were also a number of compounds identified at concentrations below the reporting limit (RL) or site quantification limit (SQL). These concentrations are qualified as estimated and identified with a "J flag." There are several cases in the Tri-County analytical program where the SQL was above the Federal Safe Drinking Water Act Maximum Contaminant Levels (MCLs) and/or the Illinois Class I Groundwater Quality Standards (ILGWQS; 35 Illinois Administrative Code 620.410), which were used as screening criteria for the groundwater data. The specific parameters include arsenic, mercury, thallium, bis(2-ethylhexyl)phthalate, hexachlorobenzene, benzo(a)pyrene, and pentachlorophenol.

3.3.4.4 Completeness

The data provided by the laboratories from this reporting period were compared to the sampling and analytical requirements identified in **Table 2**. The data were complete except for the two wells that were dry (MW36S and MW37S), and the nitrate/nitrite results for well G111.

3.3.4.5 Turbidity

Turbidity measurements taken during well purging and at the time of sampling were above 10 NTUs at 11 points during this sampling period. Each of these wells has been in place for more than 10 years, and sampled on multiple occasions, thus incomplete well development is not likely a contributing factor. These sample locations included 2 points in the deep zone (PW09 and G111), 7 points in the intermediate zone (G142, MW5IR, MW2IR, MW12IR, MW10I, MW22I, and MW23I), and 2 points in the shallow zone (MW20S and MW24S). The NTU measurements there range from 11.6 to 12.8 in the deep zone, 10.53 to 179 in the intermediate zone, and 19.9 to 24.9 in the shallow zone. Although the highest measurements are from wells in the intermediate zone, these points are distributed among the three

groundwater zones and two landfill monitoring programs, with different sampling teams, thus the turbidity is likely due to natural conditions in the area and cannot be avoided.

3.3.4.6 Data Anomalies

Preliminary review of the data from analysis of the sample for metals analysis collected at MW20S indicated that chromium, nickel, and arsenic results were higher than in the past. BT Squared requested that the laboratory, TestAmerica, review the results from that fraction of the analysis. The laboratory generally confirmed the results, and no changes to the laboratory report were warranted.

3.2 Data Evaluation

3.2.1 Groundwater Elevation Data

Groundwater elevation data are used to compile the groundwater flow maps presented as **Figures 3** and **4** for the shallow and intermediate units. Consistent with prior interpretations of groundwater elevations, groundwater flow in the shallow and intermediate zones is primarily toward the north and west in the north area of the Site, and to the south in the southern area of the Site.

Water elevations between the defined hydrostratigraphic units are also evaluated for vertical gradients to assess the connectivity between the identified groundwater bearing zones. Based on data from the nested wells (MW1, MW2, MW5, MW6, MW10, and MW12), there is a potential for downward groundwater flow between the shallow and intermediate units south of the Tri-County Landfill, but the measurements indicate that the units are likely separated by a layer of low permeability soil that restricts vertical groundwater flow. Horizontal groundwater flow in this area dominates as indicated by the relatively steep gradient. There are also downward gradients from the intermediate to the deep units in this area based on the data from the nested wells (MW1 and MW12). Again, vertical groundwater flow appears to be restricted by a layer of fine grain soil in this area.

Data from the area to the north of the Elgin Landfill (MW-9, MW36, and MW38 nests) also indicate a potential for downward groundwater flow between the shallow and intermediate units. The vertical gradients are not as strong as in the area to the south of the Tri-County Landfill, but are present between the shallow and intermediate, and intermediate and deep units. The observation that wells MW36S and MW37S were dry during this sampling event is consistent with this conclusion. Horizontal groundwater flow likely dominates in this area as well, as indicated by the identified gradient.

Water elevations taken during the initial round of measurements and at the time of sampling for the Tri-County Landfill are generally consistent. The difference in measurements is greater than 0.2 feet in only four cases, and three instances were related to wells in the shallow zone. There is no general pattern in the differences, in that the later measurements are not generally higher or lower. It is likely that the difference is related to measurement error and not to changes in the water elevation in the wells.

3.2.2 Groundwater Quality Data

The summary tables provided in **Appendix D** identify the concentrations of the analytical results and measurements of the field parameters from the 2009 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). These values were used as screening criteria for the groundwater data. Those parameters whose measured concentrations were greater than the MCLs and/or Class I ILGWQSs are shown in bold and summarized in the tables in the appendices and identified in **Table 9** for the Tri-County wells, **Table 10** for the private wells, and **Table 11** for the Elgin wells. It should be noted that there were no VOCs or SVOCs identified above the screening criteria (MCLs or Class I ILGWQS) in the samples collected during this reporting period. The only results that exceeded the screening criteria were field parameters (i.e., pH), indicator parameters (i.e., chloride, TDS, and nitrate), and metals (iron, chromium, manganese, nickel, and arsenic). Each of the exceedances is described below. To assist in data evaluation, time-concentration graphs were prepared for each laboratory parameter, except nitrate, that exceeded the screening criteria. The graphs are presented in **Appendix F**.

3.2.3 Field Parameters

pH

The pH values as measured in the field exceeded the range specified as a Class 1 ILGWQS (6.5 – 9.0 s.u.) at 9 of the 14 wells sampled for the Elgin Landfill during this period. The reported pH values ranged from 3.49 (MW9S on June 23, 2009) to 9.8 s.u. (MW21S on June 25, 2009). BT Squared personnel contacted Herst & Associates (Herst) to assess the potential cause of the anomalous readings. Generally, the lower pH readings were taken on June 23 and June 24, and the higher values on June 25, 2009. The anomalous data are distributed in shallow (2), intermediate (4), and deep (3) wells. Herst reported that they identified the problem in the field and used a different field meter on June 25, 2009. Despite daily meter calibration and acceptable end of day checks, it is obvious that the data are not accurate and likely due to a meter malfunction. Data from other parameters (field and laboratory) at these sample points are within historical ranges, and pH data from other points within the identified

groundwater zones (at the Tri-County Landfill) are consistent with past data and not in exceedance of the screening criteria.

Readings exceeding the screening criteria are not indicative of a health concern. There is no MCL for pH, thus the exceedances are related only to the Class 1 ILGWQS.

3.2.4 Indicator Parameters

Chloride

Chloride concentrations exceeded the screening criteria in samples collected from seven wells during this sampling period (Tri-County: MW6S, G142, MW12IR, and G112; and Elgin: MW20S, MW36I, and G111).

These results are from analysis of samples from wells that are distributed geographically and within each of the identified groundwater zones at the Site: shallow (MW6S and MW20S), intermediate (G142, MW12IR, and MW36I), and deep (G111 and G112).

Review of the time-concentration plots for chloride at well MW6S, in the shallow zone, indicates that the concentration continues to decrease over time. There are not enough data to assess a potential trend at MW20S. In the intermediate groundwater zone, the chloride concentration continues to decrease at well G142, which historically has the highest concentration in this zone at the Site. The chloride concentration also continues to decease at well MW36I, and the chloride concentration at MW12IR is lower than that reported last year. In the deep zone, the concentration at well G112 is higher than past results, but the chloride concentration continues to decrease at other wells in the deep zone (i.e., G111 and MW40DR).

Note that chloride is a public welfare parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. There is no MCL for chloride, thus the exceedances are related only to the Class 1 ILGWQS.

TDS

TDS concentrations exceeded the screening criteria in samples collected from six wells during this sampling period (Tri-County: G142, MW12IR, and G112; and Elgin: MW20S, MW36I, and G111).

These results are from analysis of samples from wells that are distributed geographically and within each of the identified groundwater zones at the Site: shallow (MW20S), intermediate (G142, MW12IR, and MW36I) and deep (G111 and G112).

Review of the time-concentration plots for TDS at well MW20S, in the shallow zone, indicates that the concentration from 2009 is lower than the result from the prior year. In the intermediate groundwater zone, the TDS concentrations at G142 are lower than in past years. The data from analysis of the sample from MW12IR are slightly higher than in the past, but no trend is apparent. There appears to be a downward trend over time in TDS concentration at well MW36I. In the deep zone, the concentration at well G112 is higher than past results, but the TDS concentration continues to decrease at other wells in the deep zone (i.e., MW40DR). The TDS concentration at well G111 is consistent with values reported for the last 5 years, and no trend is apparent during that period.

Note that TDS is a public welfare parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. There is no MCL for TDS, thus the exceedances are related only to the Class 1 ILGWQS.

Nitrate

Nitrate concentrations exceeded the screening criteria in a sample collected from one well during this sampling period (Tri-County: MW41S). This well is located in the shallow groundwater zone, and there were no other exceedances of the screening criteria at this well. Based on these observations, a time-concentration plot was not prepared for this parameter. It should be noted that the current result (15.9 milligrams per liter [mg/l]) is lower than each of the results from the last 5 years. Those concentrations range from 23.4 mg/l to 71.2 mg/l.

3.2.5 Metals

Iron

Iron concentrations exceeded the screening criteria in samples collected from ten wells during this sampling period (Tri-County: MW6S, MW2IR, MW5IR, MW6I, MW10I, and MW12IR; and Elgin: MW20S, MW22I, MW36I, and G111).

These results are from analysis of samples from wells that are distributed geographically and within each of the identified groundwater zones at the Site: shallow (MW6S and MW20S), intermediate (MW2IR, MW5IR, MW6I, MW10I, MW12IR, MW22I, and MW36I), and deep (G111).

Review of the time-concentration plots for iron at wells MW6S and MW20S, in the shallow zone, indicates that the concentrations are decreasing over time. In the intermediate groundwater zone, where most of the exceedances for iron are present, there is no evidence of increasing trends in the results. In the deep zone, the concentration at well G111 is higher than past results, but the iron concentration continues to decrease at other wells in the deep zone (i.e., W40DR).

Iron is a public welfare parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. There is no MCL for iron, thus the exceedances are related only to the Class 1 ILGWQS.

Chromium

Chromium concentrations exceeded the screening criteria in samples collected from two wells during this sampling period (Tri-County: MW12IR and Elgin: MW20S). The results exceeded the MCL and Class 1 ILGWQS (0.1 mg/l).

These results are from analysis of samples from wells that are distributed geographically and within two of the identified groundwater zones at the Site: shallow (MW20S) and intermediate (MW12IR).

Review of the time-concentration plots for chromium at well MW20S, in the shallow zone, indicates that the 2009 concentration is higher than the 2008 result. In the intermediate groundwater zone, the chromium result at MW12IR is higher than recent results, but lower than data from analysis of samples collected in the past. There are not enough data to assess the significance of the current values. Results from analysis of samples collected as a result of future annual events will be assessed to determine the significance of these results.

Manganese

Manganese concentrations exceeded the screening criteria in samples collected from 13 wells during this sampling period (Tri-County: MW5SR, MW6S, MW12SR, MW39S, MW41S, MW10I, MW12IR, MW39I, and MW40DR; and Elgin: MW20S, MW24S, MW22I, and MW36I).

These results are from analysis of samples from wells that are distributed geographically and within each of the identified groundwater zones at the Site: shallow (MW5SR, MW6S, MW12SR, MW39S, MW41S, MW20S, and MW24S), intermediate (MW10I, MW12IR, MW39I, MW22I, and MW36I), and deep (MW40DR).

Review of the time-concentration plots for manganese at wells in the shallow zone, where most of the exceedances are present, indicates that the concentrations are stable or decreasing over time. In the intermediate groundwater zone, there is no evidence of increasing trends in the results. In the deep zone, the concentration at well MW40DR is higher than past results, but the manganese concentration continues to decrease at other wells in the deep zone (i.e., MW36D and MW38D). Results from analysis of samples collected as a result of future annual events will be assessed to determine the significance of the current result.

Manganese is a public welfare parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. There is no MCL for manganese, thus the exceedances are related only to the Class 1 ILGWQS.

Nickel

Nickel concentrations exceeded the screening criteria in samples collected from two wells during this sampling period (Tri-County: MW12IR and Elgin: MW20S).

These results are from analysis of samples from wells that are distributed geographically and within two of the identified groundwater zones at the Site: shallow (MW20S) and intermediate (MW12IR).

Review of the time-concentration plots for nickel at well MW20S, in the shallow zone, indicates that the 2009 concentration is higher than past results, but lower than other historical values from other wells in the shallow unit (i.e., MW24S). There is no apparent trend in the results. In the intermediate groundwater zone, the nickel result at MW12IR is higher than past results, but there are not enough data to assess the significance of the current value. Results from analysis of samples collected as a result of future annual events will be assessed to determine the significance of the current results.

Nickel is a public welfare parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. There is no MCL for nickel, thus the exceedances are related only to the Class 1 ILGWQS.

Arsenic

Arsenic concentrations exceeded the screening criteria in samples collected from two wells during this sampling period (Tri-County: MW2IR and Elgin: MW20S). The results exceeded the MCL (0.01 mg/l), but not the Class 1 ILGWQS (0.05 mg/l).

These results are from analysis of samples from wells that are distributed geographically and within two of the identified groundwater zones at the Site: shallow (MW20S) and intermediate (MW2IR).

Review of the time-concentration plots for arsenic at well MW20S, in the shallow zone, indicates that the 2009 concentration is higher than the 2008 result, but lower than other historical values. In the intermediate groundwater zone, the arsenic result at MW2IR is higher than past results, but there are not enough data to assess the significance of the current value. It should be noted that the laboratory reporting limit for the Tri-County data (0.02 mg/l) is higher than one of the screening criteria (MCL = 0.01 mg/l). Only quantified results above the reporting limit are evaluated as exceedances of the screening criteria.

3.2.6 Private Wells

There were no VOCs identified above the screening criteria in any of the three private wells sampled in the vicinity of the Site. The results from analysis of the sample from PW07 at the Woodland RDF exceeded the screening criteria for four parameters: arsenic, chloride, iron, and TDS. The results from analysis of the sample from PW23, the well at the WMII maintenance facility, exceeded the criteria for one parameter: chloride. Only the result for arsenic at PW07 is associated with a potential health impact and the current result (0.028 mg/l) is above the MCL (0.01mg/l), but below the Class I ILGWQS (0.05 mg/l).

It should be noted that PW07 is posted as a non-potable well, thus it is not utilized as a drinking water source.

3.2.7 Natural Attenuation Parameters

The results from this reporting period were reviewed to assess the potential for natural attenuation. Relevant field parameters or laboratory results include: dissolved oxygen (DO), oxidation reduction potential (Eh/ORP), metals (manganese and iron), sulfate, and nitrate/nitrite. Iron analysis is performed as both a field parameter (ferrous iron) and by the laboratory (total iron).

DO results taken as field measurements range from 0.5 to 11.0 mg/l during this sampling period. There were only three results that were less than 1 mg/l, and each of those results were from wells associated with the Elgin Landfill in the intermediate zone. The DO results are generally higher in the deep and shallow zones, and higher in the wells sampled for the Elgin Landfill (north area of Site). Most of the results are greater than 2 mg/l, which indicates that there is sufficient oxygen present in groundwater to promote aerobic natural degradation.

Eh/ORP field measurements are generally negative, with the highest negative values reported from analysis of samples taken from wells in the intermediate zone. The highest positive results are from well samples from the deep zone. The highest concentration of ferrous iron was reported at a well located in the shallow zone, where concentrations are more consistently present than in the intermediate or deep zone.

Laboratory results for metals (iron and manganese), sulfate and nitrate/nitrite are all generally consistent with an aerobic environment away from the waste mass and limited areas in proximity to the waste where conditions are reducing/anaerobic. The reducing environment may mobilize natural metals in soil (i.e., iron and manganese), but when exposed to an aerobic environment, these metals will oxidize. There is no evidence of areas of severe reducing conditions where sulfate and nitrate would be reduced. These conditions are expected to support natural attenuation and degradation of organic compounds.

3.3 Projected Activities

Continued groundwater sampling and analysis in accordance with the current plan, unless recommendations identified herein are approved by USEPA. The annual groundwater sampling event is anticipated to occur in June 2010.

3.4 Summary of Meetings

Representatives of WMII, RSI, and USEPA met at the Site on August 3, 2009, to perform a joint inspection as part of the second five-year review for the Site. USEPA issued the results of that review in a report dated September 3, 2009.

3.5 Conclusions

The data from analysis of samples collected from groundwater wells in association with the Tri-County and Elgin Landfills during this reporting period (2009) is acceptable for use.

The data from this sampling period are generally consistent with data from prior annual sample events. There were no concentrations of VOCs, SVOCs, mercury or cyanide identified above the Federal Safe Drinking Water Act Maximum Contaminant Levels (MCLs) or the Illinois Class I Groundwater Quality Standards (ILGWQS; 35 Illinois Administrative Code 620.410) in well samples collected during this sampling period.

Groundwater elevation measurements from this reporting period are consistent with past data, in that groundwater flow in the shallow and intermediate zones is primarily horizontal – toward the north and

west in the north area of the Site, and to the south in the southern area of the Site. Data from measurements at nested wells indicate downward gradients between the identified hydrostratigraphic units at the Site, where vertical flow is impeded by fine grain (low permeability) soil. This interpretation is not sensitive to slight variations in groundwater elevation measurements that may have occurred due to the period of time that elapsed between when the measurements were taken for the two landfills.

The results from analysis of samples from three private wells in the vicinity of the Site do not indicate site-related impacts. Although the arsenic concentration at PW07 during this reporting period was above the MCL, the well is not used as a potable water source. No additional action is warranted.

Turbidity in well samples above 10 NTUs appears to be naturally occurring and not directly impacting the results. No changes to the sampling procedures are warranted.

Natural attenuation continues to be effective in reducing the concentration of organic contaminant concentrations in the vicinity of the Site. While there may be areas in the vicinity of the waste mass where anaerobic (reducing) conditions exist in groundwater, the data described above indicate that groundwater conditions further away from the waste mass are aerobic. These conditions promote biodegradation of a wide range of organic compounds.

3.6 Recommendations

Review current reporting limits for arsenic, mercury, thallium, bis(2-ethylhexyl)phthalate, hexachlorobenzene, benzo(a)pyrene, and pentachlorophenol for the Tri-County program to assess if laboratory detection limits are sufficient so that the reporting limits could be lowered to be consistent with current MCLs.

Due to the lack of VOCs being identified above the screening criteria at the Site, laboratory analysis for SVOCs, mercury, and cyanide could be omitted from the list of parameters for which laboratory analysis is required at the Site.

4.0 COMMUNITY RELATIONS

A notice was published in the Elgin Courier News on August 24, 2009, stating that a five-year review for the Site was being conducted. The notice invited the public to submit comments to the USEPA. As of September 2009, no comments from the community were received by the USEPA.

WMII maintains contact with the Wildlife Habitat Council and has implemented recommendations from that organization to improve wildlife habitat at the Tri-County Landfill. The work includes a mowing schedule to promote diversity of vegetative species and minimize disturbance to nesting birds, and installation of birdhouses for purple martins, bluebirds, and wood ducks.

5.0 2010 ACTIVITIES

Continued groundwater sampling and analysis in accordance with the current plan, unless recommendations identified herein are approved by the USEPA.

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Table 1
Tri-County / Elgin Landfills
Flare Operational Data

Date	Differential Pressure (in. water)	Gas Flow (cfm)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Balance (%)	Runtime (Hours)	Notes
01/28/2009	0.15	69	31.4	23.8	3.7	41.9	878.3	
02/26/2009	0.16	73	32.6	24.7	2.4	40.3	694.3	
03/31/2009	0.18	82	32.7	25.6	3.1	38.7	791	
04/29/2009	0.14	60	27.8	21.3	2.8	47.7	696.5	
05/21/2009	0	0	0.2	0	19.7	79.9	504.7	Blower off
06/25/2009	0.051	50	37.7	29.5	1.9	36.2	720.1	
07/16/2009	0.288	80	32.3	23.8	1.0	42.8	461.5	
08/19/2009	1.614	75	37.1	26.3	0.0	36.4	815.5	
09/16/2009	1.664	87	33.0	25.1	0.7	41.4	666.8	
10/22/2009	NR	NR	10.1	19.5	9.1	61.2	746.9	
11/18/2009	0.250	80	30.0	24.3	1.0	45.0	600.3	
12/16/2009	0.250	65	8.5	7.0	14.3	70.6	621.9	

Notes:
cfm = cubic feet per minute
NR = No reading

Prepared by: GK
Checked by: GS

Table 2
Groundwater Monitoring Schedule and Required Parameters
Tri-County/Elgin Landfills / BT Squared Projects #3822 and #3897

Landfill	Well	Hydrostatic Unit Location	VOC	SVOC	Metals and Cyanide	Indicator Parameters	Water Levels
Tri-County	G135	Shallow				A	A
Tri-County	MW1S	Shallow				A	A
Tri-County	MW2SR	Shallow	A		A	A	A
Tri-County	MW5SR	Shallow	A		A	A	A
Tri-County	MW6S	Shallow	A	A	A	A	A
Tri-County	MW10S	Shallow	A		A	A	A
Tri-County	MW12SR	Shallow	A	A	A	A	A
Tri-County	MW25S	Shallow				A	A
Tri-County	MW38S	Shallow	A		A	A	A
Tri-County	MW39S	Shallow	A		A	A	A
Tri-County	MW41S	Shallow	A		A	A	A
Tri-County	PZ29	Shallow-Piezometer					A
Tri-County	PZ32	Shallow-Piezometer					A
Tri-County	G142	Intermediate	A		A	A	A
Tri-County	MW1I1	Intermediate	A			A	
Tri-County	MW1I2	Intermediate	A			A	
Tri-County	MW2IR	Intermediate	A		A	A	A
Tri-County	MW5IR	Intermediate	A		A	A	A
Tri-County	MW06I	Intermediate	A		A	A	A
Tri-County	MW10I	Intermediate	A		A	A	A
Tri-County	MW12IR	Intermediate	A	A	A	A	A
Tri-County	MW13IR	Intermediate	A	A	A	A	A
Tri-County	MW39I	Intermediate	A		A	A	A
Tri-County	G112	Deep				A	A
Tri-County	MW1DR	Deep	A			A	A
Tri-County	MW40DR	Deep	A		A	A	A
Tri-County	PW07	Private Well	A		A	A	
Tri-County	PW09	Private Well	A		A	A	
Tri-County	PW23	Private Well	A		A	A	
Elgin	MW9S	Shallow	A			A	A
Elgin	MW20S	Shallow	A		A	A	A
Elgin	MW21S	Shallow	A		A	A	A
Elgin	MW24S	Shallow	A		A	A	A
Elgin	MW36S	Shallow	A		A	A	A
Elgin	MW37S	Shallow	A		A	A	A
Elgin	MW9I	Intermediate	A			A	A
Elgin	MW22I	Intermediate	A	A	A	A	A
Elgin	MW23I	Intermediate	A	A	A	A	A
Elgin	MW36I	Intermediate	A		A	A	A
Elgin	MW38I	Intermediate	A		A	A	A
Elgin	G141	Intermediate	A		A	A	A
Elgin	MW9D	Deep	A				A
Elgin	MW36D	Deep	A		A	A	A
Elgin	MW38D	Deep	A		A	A	A
Elgin	G111	Deep	A		A	A	A

NOTES:
A = sampled annually
VOCs = volatile organic compounds
SVOCs = semi-volatile organic compounds
PW07 - located in sink of bathroom at office at Woodland.
PW09 - located in bathroom next to break room at Elgin Chicago Stone across from landfill.
PW23 - hose mounted to wall in Repair Bay.

Table 3
Parameter List – Volatile Organic Compound Analysis
Tri-County/Elgin Landfills / BT Squared Projects #3822 and #3897

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

NOTES:
µg/l = micrograms per liter
SQL = Site Quantitation Limit as identified in the 2008 Annual Report

Table 4
Parameter List – Semi-Volatile Organic Compound Analysis
Tri-County/Elgin Landfills / BT Squared Projects #3822 and #3897

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

Table 4
Parameter List – Semi-Volatile Organic Compound Analysis
Tri-County/Elgin Landfills / BT Squared Projects #3822 and #3897

Parameter Name	SQL	Units
Dimethylphthalate	10	µg/l
Fluoranthene	10	µg/l
Fluorene	10	µg/l
Hexachlorobenzene	10	µg/l
Hexachlorobutadiene	40	µg/l
Hexachlorocyclopentadiene	10	µg/l
Hexachloroethane	10	µg/l
Indeno(1,2,3-cd)Pyrene	10	µg/l
Isophorone	10	µg/l
n-Nitrosodipropylamine	10	µg/l
n-Nitrosodiphenylamine	10	µg/l
Naphthalene	10	µg/l
Nitrobenzene	10	µg/l
Pentachlorophenol	50	µg/l
Phenanthrene	10	µg/l
Phenol	10	µg/l
Pyrene	10	µg/l

NOTES:
µg/l = micrograms per liter
SQL = Site Quantitation Limit as identified in the 2008 Annual Report

Table 5
Parameter List – Metals & Cyanide Analysis
Tri-County/Elgin Landfills / BT Squared Projects #3822 and #3897

Parameter Name	SQL	Units
Aluminum (total)	30	µg/l
Antimony (total)	6	µg/l
Arsenic (total)	20	µg/l
Barium (total)	5	µg/l
Beryllium (total)	1	µg/l
Cadmium (total)	1	µg/l
Calcium (total)	40	µg/l
Chromium (total)	3	µg/l
Cobalt (total)	3	µg/l
Copper (total)	4	µg/l
Iron (total)	60	µg/l
Lead (total)	5	µg/l
Magnesium (total)	50	µg/l
Manganese (total)	1.2	µg/l
Mercury (total)	0.4	µg/l
Nickel (total)	4	µg/l
Potassium (total)	150	µg/l
Selenium (total)	10	µg/l
Silver (total)	4	µg/l
Sodium (total)	1,000	µg/l
Thallium (total)	2	µg/l
Vanadium (total)	3	µg/l
Zinc (total)	5	µg/l
Cyanide (total)	20	µg/l

NOTES:
µg/l = micrograms per liter
SQL = Site Quantitation Limit as identified in the 2008 Annual Report

Table 6
Parameter List – Indicator Analysis
Tri-County/Elgin Landfills / BT Squared Projects #3822 and #3897

Parameter Name	SQL	Units
Alkalinity, total (as CaCO3)	1,000	µg/l
Chloride (total)	1,000	µg/l
N-Nitrate (total)	50	µg/l
N-Nitrite (total)	50	µg/l
Sulfate (total)	1,000	µg/l
Sulfide (total)	1,000	µg/l
Total Suspended Solids	4,000	µg/l
Total Dissolved Solids	10,000	µg/l
Total Organic Carbon	1,000	µg/l
Ferrous Iron	NA	µg/l

NOTES:
µg/l = micrograms per liter
SQL = Site Quantitation Limit as identified in the 2008 Annual Report

Table 7
Tri-County Landfill
Groundwater Elevations

Well ID	Date	Groundwater Zone	Top of Casing Elevation (ft MSL)	Depth to Water (ft)	Groundwater Elevation (ft MSL)	06/09/2009 Depth to Water (ft)	06/09/2009 Groundwater Elevation (ft MSL)
G135	06/11/2009	Shallow	759.16	19.95	739.21	20.00	739.16
MW1S	06/11/2009	Shallow	741.14	3.09	738.05	3.85	737.29
MW2SR	06/09/2009	Shallow	759.26	19.50	739.76	19.49	739.77
MW5SR	06/11/2009	Shallow	748.17	7.83	740.34	7.60	740.57
MW6S	06/10/2009	Shallow	743.96	3.03	740.93	2.87	741.09
MW10S	06/11/2009	Shallow	756.64	12.98	743.66	12.93	743.71
MW12SR	06/09/2009	Shallow	757.37	17.33	740.04	17.36	740.01
MW25S	06/11/2009	Shallow	749.22	11.44	737.78	11.43	737.79
MW38S	06/11/2009	Shallow	755.03	10.67	744.36	10.68	744.35
MW39S	06/11/2009	Shallow	739.45	4.57	734.88	4.35	735.10
MW41S	06/11/2009	Shallow	757.34	17.46	739.88	17.44	739.90
PZ29	06/09/2009	Shallow	757.48	7.70	749.78	7.70	749.78
PZ32	06/09/2009	Shallow	760.74	21.06	739.68	21.06	739.68
G142	06/10/2009	Intermediate	758.49	21.03	737.46	21.70	736.79
MW1I1	06/10/2009	Intermediate	740.97	14.00	726.97	13.94	727.03
MW1I2	06/10/2009	Intermediate	741.30	12.26	729.04	12.30	729.00
MW2IR	06/09/2009	Intermediate	759.15	25.09	734.06	25.09	734.06
MW5IR	06/09/2009	Intermediate	746.87	13.90	732.97	13.95	732.92
MW6I	06/10/2009	Intermediate	743.94	12.66	731.28	12.62	731.32
MW10I	06/11/2009	Intermediate	756.12	21.88	734.24	21.91	734.21
MW12IR	06/09/2009	Intermediate	757.28	22.79	734.49	22.77	734.51
MW13IR	06/10/2009	Intermediate	757.60	23.81	733.79	23.89	733.71
MW39I	06/11/2009	Intermediate	738.91	12.48	726.43	12.42	726.49
G112	06/10/2009	Deep	758.68	34.55	724.13	34.63	724.05
MW1DR	06/10/2009	Deep	742.39	13.45	728.94	13.43	728.96
MW40DR	06/09/2009	Deep	757.43	27.72	729.71	27.70	729.73

Notes:
ft MSL = feet above Mean Sea Level
Top of Casing Elevations for PZ29, PZ32, G112 and MW1DR taken from the 2003 Annual Groundwater Monitoring Report submitted to EPA, June 11, 2004.

Table 8
Elgin Landfill
Groundwater Elevations

Well ID	Date	Groundwater Zone	Groundwater Elevation (ft MSL)
MW9S	06/23/2009	Shallow	737.28
MW20S	06/25/2009	Shallow	736.91
MW21S	06/25/2009	Shallow	736.16
MW24S	06/25/2009	Shallow	739.59
G141	06/24/2009	Intermediate	733.18
MW9I	06/23/2009	Intermediate	737.24
MW22I	06/24/2009	Intermediate	733.18
MW23I	06/24/2009	Intermediate	734.05
MW36I	06/24/2009	Intermediate	734.17
MW38I	06/23/2009	Intermediate	738.81
G111	06/24/2009	Deep	730.28
MW9D	06/23/2009	Deep	736.93
MW36D	06/24/2009	Deep	731.77
MW38D	06/23/2009	Deep	732.71

Notes:
ft MSL = feet above Mean Sea Level

Table 9
Tri-County Landfill
Exceedances of EPA MCL and/or Illinois Class I Groundwater Quality Standards
Monitoring Wells

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW5SR	**06/11/2009**	**Manganese**	**0.387**	**0.0010**		**MG/L**		**0.15**
MW6S	**06/10/2009**	**Chloride**	**200**	**2.5**	**D08**	**MG/L**		**200**
MW6S	**06/10/2009**	**Iron**	**9.43**	**0.060**	**B1, B**	**MG/L**		**5**
MW6S	**06/10/2009**	**Manganese**	**0.211**	**0.0010**		**MG/L**		**0.15**
MW12SR	**06/09/2009**	**Manganese**	**0.359**	**0.0010**		**MG/L**		**0.15**
MW39S	**06/11/2009**	**Manganese**	**0.506**	**0.0010**		**MG/L**		**0.15**
MW41S	**06/11/2009**	**Manganese**	**0.697**	**0.0010**		**MG/L**		**0.15**
MW41S	***06/11/2009***	***Nitrate***	***15.9***	***0.5***		***MG/L***	***10***	***10***
G142	**06/10/2009**	**Chloride**	**500**	**5.0**	**D08**	**MG/L**		**200**
G142	**06/10/2009**	**Total Dissolved Solids**	**1620**	**10.0**		**MG/L**		**1200**
MW2IR	*06/09/2009*	*Arsenic*	*0.0382*	*0.0200*	*CF6*	*MG/L*	*0.01*	*0.05*
MW2IR	**06/09/2009**	**Iron**	**10.1**	**0.060**		**MG/L**		**5**
MW5IR	**06/09/2009**	**Iron**	**6.24**	**0.060**		**MG/L**		**5**
MW6I	**06/10/2009**	**Iron**	**5.61**	**0.060**	**B1, B**	**MG/L**		**5**
MW10I	**06/11/2009**	**Iron**	**6.39**	**0.060**		**MG/L**		**5**
MW10I	**06/11/2009**	**Manganese**	**0.221**	**0.0010**		**MG/L**		**0.15**
MW12IR	**06/09/2009**	**Chloride**	**420**	**5.0**	**D08**	**MG/L**		**200**
MW12IR	***06/09/2009***	***Chromium***	***0.151***	***0.0030***		***MG/L***	***0.1***	***0.1***
MW12IR	**06/09/2009**	**Iron**	**10**	**0.060**		**MG/L**		**5**
MW12IR	**06/09/2009**	**Manganese**	**0.249**	**0.0010**		**MG/L**		**0.15**
MW12IR	**06/09/2009**	**Nickel**	**1.1**	**0.0040**		**MG/L**		**0.1**
MW12IR	**06/09/2009**	**Total Dissolved Solids**	**1540**	**10.0**		**MG/L**		**1200**
MW39I	**06/11/2009**	**Manganese**	**0.32**	**0.0010**		**MG/L**		**0.15**
G112	**06/10/2009**	**Chloride**	**430**	**5.0**	**D08**	**MG/L**		**200**
G112	**06/10/2009**	**Total Dissolved Solids**	**1420**	**10.0**		**MG/L**		**1200**
MW40DR	**06/09/2009**	**Manganese**	**0.157**	**0.0010**		**MG/L**		**0.15**

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
B1 = Analyte was detected in the associated Method Blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
CF6 = Results confirmed by reanalysis.
D08 = Dilution required due to high concentration of target analyte.

Table 10
Tri-County Landfill
Exceedances of EPA MCL and/or Illinois Class I Groundwater Quality Standards
Private Wells

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
PW07	*06/10/2009*	*Arsenic*	*0.028*	*0.0200*		*MG/L*	*0.01*	*0.05*
PW07	**06/10/2009**	**Chloride**	**680**	**5.0**	**D08**	**MG/L**		**200**
PW07	**06/10/2009**	**Iron**	**11.4**	**0.060**	**B1, B**	**MG/L**		**5**
PW07	**06/10/2009**	**Total Dissolved Solids**	**2110**	**20.0**	**D08**	**MG/L**		**1200**
PW23	**06/10/2009**	**Chloride**	**250**	**2.5**	**D08**	**MG/L**		**200**

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
B1 = Analyte was detected in the associated Method Blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
D08 = Dilution required due to high concentration of target analyte.

Table 11
Elgin Landfill
Exceedances of EPA MCL and/or Illinois Class I Groundwater Quality Standards
Monitoring Wells

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW9S	**06/23/2009**	**pH, Field**	**3.49**	**0.00**		**SU**		**6.5-9.0**
MW20S	*06/25/2009*	*Arsenic*	*0.0163*	*0.00007*		*MG/L*	*0.01*	*0.05*
MW20S	**06/25/2009**	**Chloride**	**560**	**2.8**	**D08**	**MG/L**		**200**
MW20S	***06/25/2009***	***Chromium***	***0.547***	***0.0009***		***MG/L***	***0.1***	***0.1***
MW20S	**06/25/2009**	**Iron**	**6.04**	**0.019**		**MG/L**		**5**
MW20S	**06/25/2009**	**Manganese**	**0.334**	**0.0002**		**MG/L**		**0.15**
MW20S	**06/25/2009**	**Nickel**	**0.18**	**0.0013**		**MG/L**		**0.1**
MW20S	**06/25/2009**	**Total Dissolved Solids**	**2010**	**8.0**	**D08**	**MG/L**		**1200**
MW21S	**06/25/2009**	**pH, Field**	**9.8**	**0.00**		**SU**		**6.5-9.0**
MW24S	**06/25/2009**	**Manganese**	**0.31**	**0.0002**		**MG/L**		**0.15**
G141	**06/24/2009**	**pH, Field**	**6.18**	**0.00**		**SU**		**6.5-9.0**
MW9I	**06/23/2009**	**pH, Field**	**4.76**	**0.00**		**SU**		**6.5-9.0**
MW22I	**06/24/2009**	**Iron**	**5.85**	**0.019**		**MG/L**		**5**
MW22I	**06/24/2009**	**Manganese**	**0.16**	**0.0002**		**MG/L**		**0.15**
MW23I	**06/24/2009**	**pH, Field**	**5.38**	**0.00**		**SU**		**6.5-9.0**
MW36I	**06/24/2009**	**Chloride**	**310**	**2.8**	**D08**	**MG/L**		**200**
MW36I	**06/24/2009**	**Iron**	**9.25**	**0.019**		**MG/L**		**5**
MW36I	**06/24/2009**	**Manganese**	**0.265**	**0.0002**		**MG/L**		**0.15**
MW36I	**06/24/2009**	**pH, Field**	**6.02**	**0.00**		**SU**		**6.5-9.0**
MW36I	**06/24/2009**	**Total Dissolved Solids**	**1210**	**4.0**		**MG/L**		**1200**
G111	**06/24/2009**	**Chloride**	**370**	**2.8**	**D08**	**MG/L**		**200**
G111	**06/24/2009**	**Iron**	**10.8**	**0.019**		**MG/L**		**5**
G111	**06/24/2009**	**pH, Field**	**6.38**	**0.00**		**SU**		**6.5-9.0**
G111	**06/24/2009**	**Total Dissolved Solids**	**1270**	**8.0**	**D08**	**MG/L**		**1200**
MW36D	**06/24/2009**	**pH, Field**	**6.18**	**0.00**		**SU**		**6.5-9.0**
MW38D	**06/23/2009**	**pH, Field**	**4.38**	**0.00**		**SU**		**6.5-9.0**

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.

Bold indicates exceedance of ILGWQS.

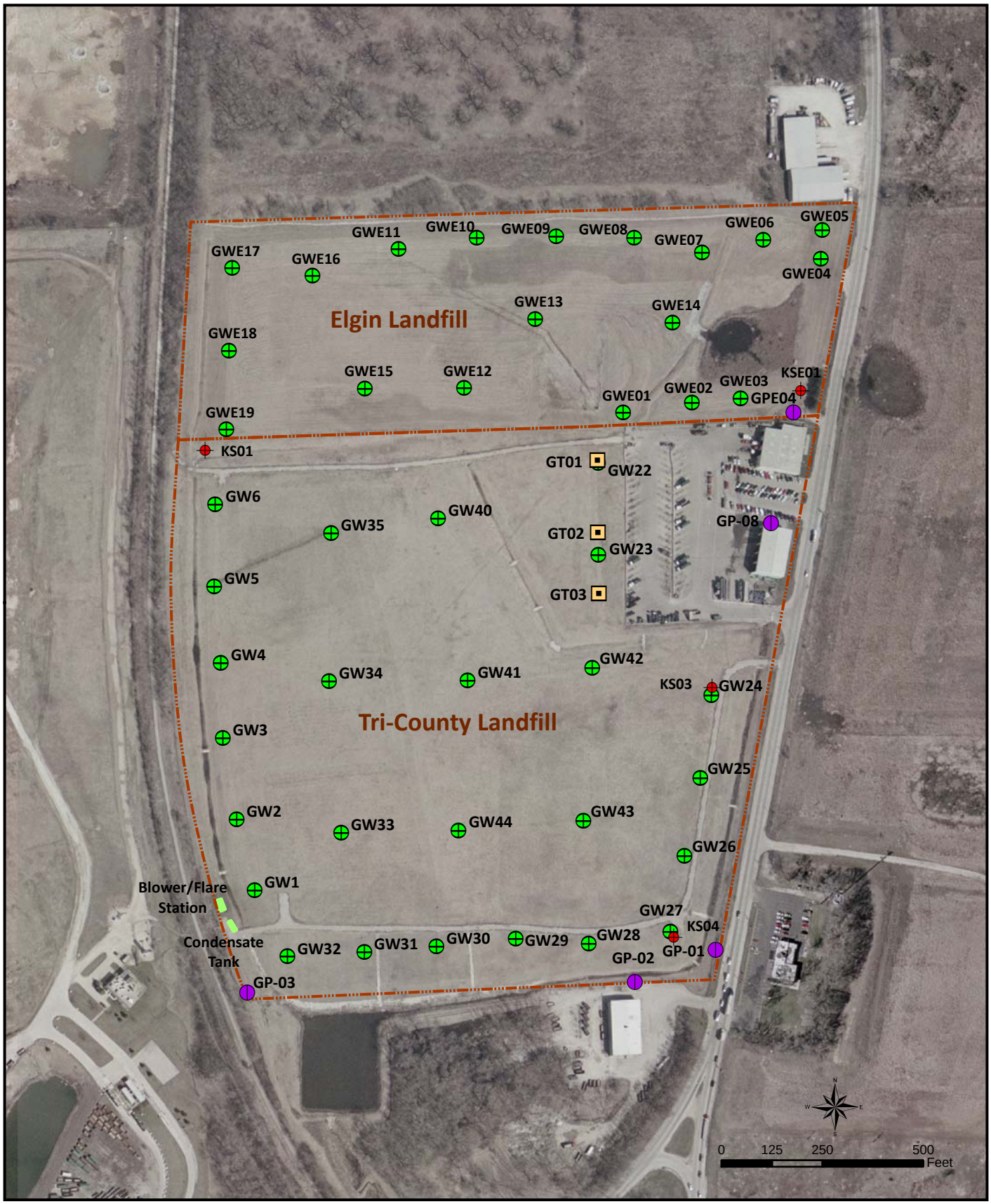
Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
D08 = Dilution required due to high concentration of target analyte.

FIGURES

1 Site Features – Landfill Gas Control System
2 Groundwater Monitoring Well Locations
3 Groundwater Flow – Shallow Unit
4 Groundwater Flow – Intermediate Unit



Base image: USGS digital orthophoto, 2005

Legend

GWE01 Gas Well Location and Number

GP-01 Gas Probe Location and Number

GT01 Gas Trench Location and Number

KS01 Knockout Location and Number

Property Boundary

Blower/Flare Station and Condensate Tank

Figure 1

Site Features

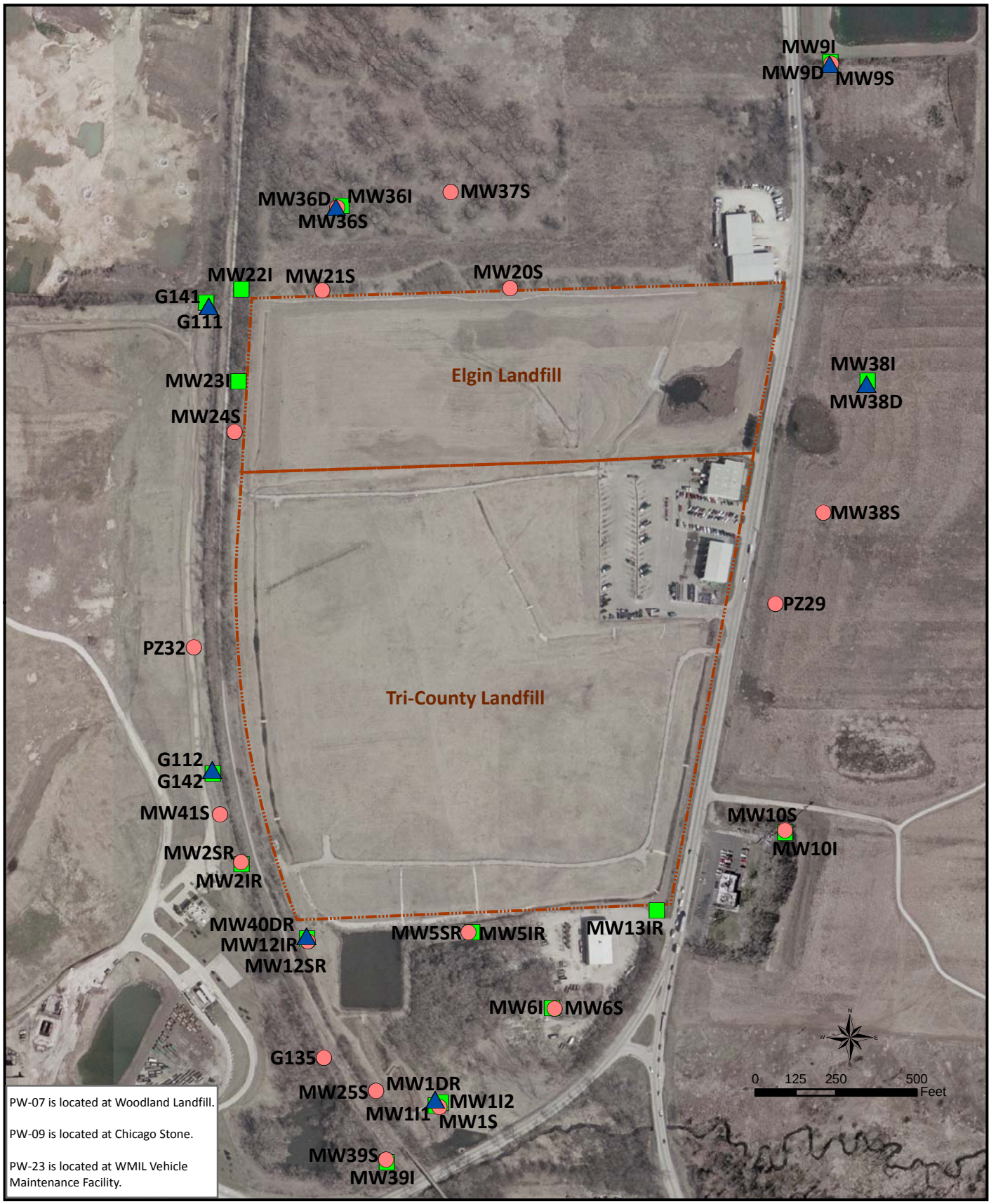
Landfill Gas Control System

Tri-County / Elgin Landfills

Town of St. Charles, Kane County, Illinois

BT SQUARED

June 2010



Base image: USGS digital orthophoto, 2005

Figure 2

Groundwater Monitoring Well Locations

Tri-County / Elgin Landfills

Town of St. Charles, Kane County, Illinois

Legend

MW1S Shallow Hydrostratigraphic Unit Well Location and Number

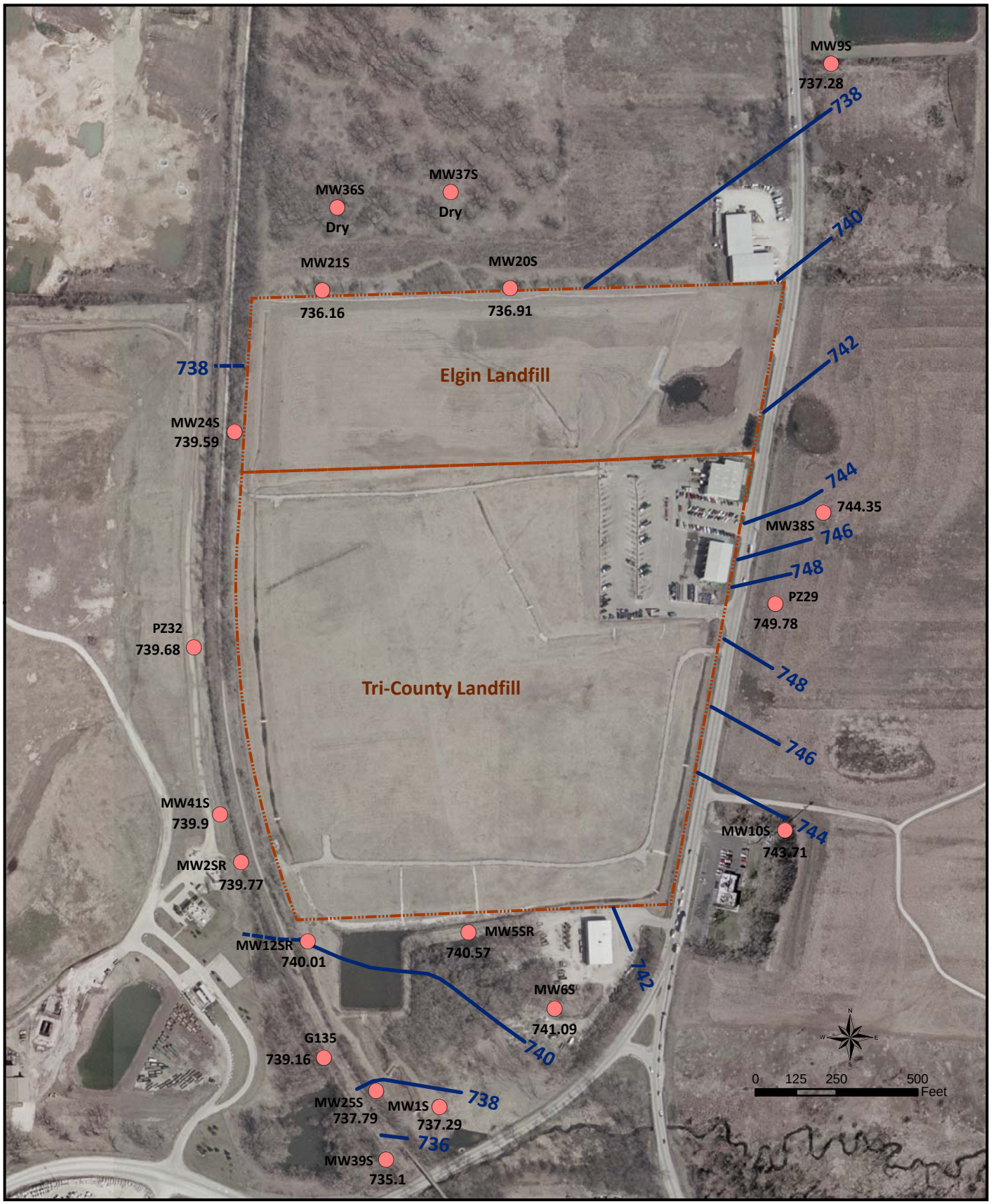
G142 Intermediate Hydrostratigraphic Unit Well Location and Number

G112 Deep Hydrostratigraphic Unit Well Location and Number

Property Boundary

BT SQUARED

June 2010



Base image: USGS digital orthophoto, 2005

Legend

MW1S — Shallow Hydrostratigraphic Unit Well Location, Well Number and Groundwater Elevation (737.29)

728 — Groundwater Contour and Elevation (dashed where inferred)

Property Boundary

Figure 3

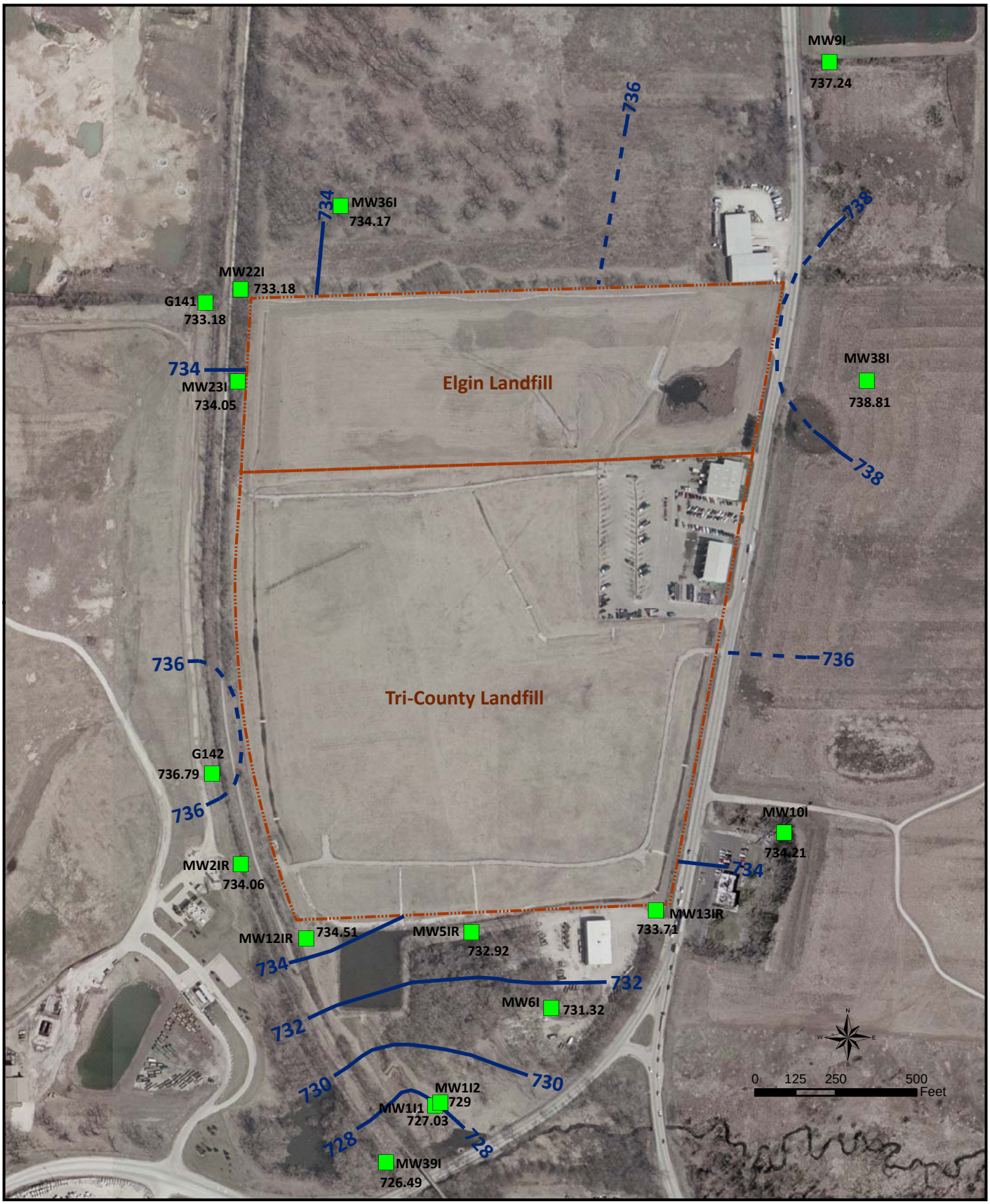
Groundwater Flow
Shallow Unit, June 2009

Tri-County / Elgin Landfills

Town of St. Charles, Kane County, Illinois

BT SQUARED

June 2010



Base image: USGS digital orthophoto, 2005

Figure 4

Groundwater Flow Intermediate Unit, June 2009

Tri-County / Elgin Landfills

Town of St. Charles, Kane County, Illinois

BT SQUARED

June 2010

Legend

G142	Intermediate Hydrostratigraphic Unit
736.79	Well Location, Well Number and Groundwater Elevation
728	Groundwater Contour and Elevation (dashed where inferred)
	Property Boundary

APPENDIX A

Monthly Monitoring Logs – Tri-County Landfill Gas Control System

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 1/28/09

Time: Start 0930 End 1545 Temp (°F) & Time: 0930 19°F

Barometric Pressure (in. Hg): 29.95 Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Snow Covered

Recent Precipitation:

Monitored By: Gary Sterkel

Gas Detector Make and Model No.: GEM 2000 Serial No: GEM 10248

Date Meter Last Calibrated: 1/19/09

Well ID	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	-0.02	-0.02	0.04	2	0.02	0.6	19.9	79.3	X		NR	OK
GW02	-9.34	-3.17	2.83	5	8.8	23.8	2.1	65.8	X		28.56	OK
GW03	-0.30	-1.76	1.59	5	8.1	22.8	1.1	68.0	X		29.08	OK
GW04	-0.02	-1.79	1.45	5	19.1	25.6	6.3	49.5	X		30.85	OK
GW05	-0.04	-0.64	0.56	5	36.5	28.4	2.4	33.9	X		30.89	OK
GW06	-0.02	-0.06	0.01	1	37.9	24.8	1.8	36.2	X		NR	OK
GW22	-0.08	-0.07	0.05	3	64.9	28.9	0.7	5.6	X		NR	OK
GW23	+0.08	+0.11	0.10	3	27.4	14.7	11.7	46.2	X		NR	OK
GW24	+0.63	+0.02	0.02	1	47.8	22.6	3.3	25.5	X		18.55	OK
GW25	-0.13	-0.10	0.03	1	40.6	27.1	0.4	31.6	X		NR	OK
GW26	-0.18	-0.16	0.04	1	64.9	31.5	0.8	2.7	X		NR	OK
GW27	-0.52	-0.38	0.04	2	19.7	13.3	12.5	53.2	X		NR	OK
GW28	-9.52	-0.20	8.53	5	39.2	30.9	2.4	27.6	X		NR	OK
GW29	-0.28	-0.26	0.03	1	19.6	26.5	3.8	51.4	X		NR	OK
GW30	-0.01	-0.05	0.03	1	0	0.2	20.4	79.4	X		NR	OK
GW31	-0.45	-6.53	5.40	5	19.2	20.3	2.9	58.1	X		NR	OK
GW32	-0.06	-0.24	0.15	3	13.2	24.1	2.8	60.4	X		NR	OK

Monthly Monitoring Form
Tri-County Landfill

Date: 1/28/09

Well ID	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	-0.29	-0.75	0.25	4	26.7	29.0	1.9	42.8	X		NR	OK
GW34	-0.24	-0.02	0.19	3	0	0.3	19.9	79.6	X		NR	OK
GW35	-0.03	-0.18	0.03	1	44.6	31.9	0.6	23.2	X		NR	OK
GW40	-0.01	-0.03	0.01	1	38.7	25.1	1.5	34.8	X		NR	OK
GW41	-0.75	-8.22	7.36	5	60.6	32.8	0.9	5.9	X		NR	OK
GW42	-0.06	-0.06	0	1	36.5	27.6	1.4	34.6	X		NR	OK
GW43	-0.55	-1.18	0.50	4	42.2	30.6	0.8	26.4	X		NR	OK
GW44	-0.52	-1.28	0.78	3	43.3	32.3	3.9	21.3	X		NR	OK

Gas Extraction Trench	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	+0.03	+0.02	0.07	2	55.6	24.8	0.1	19.4	X		OK
GT02	+0.05	+0.02	0.07	2	39.6	19.3	0.9	41.3	X		OK
GT03	-0.08	-0.07	0.02	1	42.9	19.4	1.4	36.2	X		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	38	42	n/a	n/a	31.6	24.7	3.3	39.2	X		OK
Blower Out	n/a	3	0.15	19	31.4	23.8	3.7	41.9	n/a	n/a	OK

Hours: 51651.2

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: Water levels done on Wells Frozen in December

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: 1/19/09

Sampling Date: 1/26/09

Monitored by: Gary Stenkel

Barometric pressure (inches Hg) & Trend: 29.96 Falling

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0	73.8	0.4	Buried under large snow pile
Carbon Dioxide (CO_2)	0	23.1	10.2	
Oxygen (O_2)	19.9	1.1	4.2	
Pressure/Vacuum (inches water)	0	-0.10	-0.04	

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 2/26/09

Time: Start 0910 End 1500 Temp (°F) & Time: 34°F 0910

Barometric Pressure (in. Hg): 29.05 Trend: (F) S R (circle one)

General Landfill Cap/Vegetation Conditions: Good Frozen

Recent Precipitation: 2/26/09 Rain

Monitored By: Gary Starkel

Gas Detector Make and Model No.: Gem 2000 Serial No: GM102448

Date Meter Last Calibrated: 2/2/09

Well ID	Header Pressure (in H_20)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	-0.25	+0.02	0.19	3	2.8	20.0	0.3	76.8	X		NR	Ok
GW02	-0.23	+0.04	0.31	2	4.1	20.9	0.4	74.5	X		NR	OK
GW03	-0.12	+0.05	0.09	1	3.8	19.6	1.6	75.1	X		NR	OK
GW04	-0.12	-0.04	0.19	3	8.1	23.4	0.4	68.2	X		NR	OK
GW05	-0.16	+0.06	0.16	2	17.2	24.9	1.5	56.6	X		NR	OK
GW06	+0.06	-0.10	0.12	2	6.1	21.0	1.6	71.6	X		NR	OK
GW22	-0.55	-0.47	0.04	1	41.3	23.5	2.7	32.7	X		NR	OK
GW23	-0.94	-0.93	0.04	1	41.6	25.3	1.6	31.3	X		NR	OK
GW24	-0.13	-0.08	0.03	1	14.0	7.1	15.0	64.0	X		NR	OK
GW25	-0.09	-0.13	0.05	1	0	0.8	18.4	80.8	X		NR	Broken Riser Pipe
GW26	-0.08	-0.12	0.04	1	13.3	7.9	15.1	63.7	X		NR	OK
GW27	-0.23	-0.19	0.02	1	2.8	2.4	18.3	76.0	X		NR	OK
GW28	-0.50	-0.49	0.01	1	5.1	5.3	17.0	72.6	X		NR	OK
GW29	-0.03	-0.01	0.02	1	5.0	5.3	16.3	75.4	X		NR	OK
GW30	-0.03	-0.02	0.02	1	0	0.2	20.0	79.9	X		NR	OK
GW31	-0.73	-0.22	0.64	4	12.6	17.5	2.2	62.7	X		NR	OK
GW32	-0.17	-0.13	0.04	1	8.9	20.7	1.3	69.2	X		NR	OK

Monthly Monitoring Form
Tri-County Landfill

Date: 2/26/09

Well ID	Header Pressure (in H_20)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW33	+0.03	+0.04	0.08	1	20.5	26.4	0.9	52.4	x		NR	OK
GW34	+0.09	-0.12	0.12	3	40.1	31.7	1.0	27.7	x		NR	OK
GW35	-0.35	-0.35	0.07	1	34.6	27.7	1.1	34.6	x		NR	OK
GW40	-0.18	-0.23	0.35	3	56.0	25.9	1.3	16.9	x		NR	OK
GW41	-0.09	-0.01	0.12	3	60.5	31.3	1.5	6.8	x		NR	OK
GW42	-0.33	-0.36	0.02	1	15.9	18.4	4.4	61.6	x		NR	OK
GW43	-0.72	-0.76	0.04	1	34.4	26.5	1.4	37.9	x		NR	OK
GW44	-1.54	-2.33	0.83	5	37.9	30.8	0.4	30.9	x		NR	OK

Gas Extraction Trench	Header Pressure (in H_20)	Trench Pressure (in H_20)	Differential Pressure (in H_20)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
GT01	-0.86	-0.84	0.04	1	34.5	21.8	1.1	42.5	x		OK
GT02	-0.64	-0.62	0.04	1	22.5	15.5	2.3	59.4	x		OK
GT03	-0.43	-0.36	0.05	1	2.9	7.1	10.7	77.8	x		OK

Blower	Temp (°F)	Static Pressure (in H_2O)	Differential Pressure (in H_20)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
Blower In	39	42	n/a	n/a	34.4	25.8	1.0	38.7	x		OK
Blower Out	n/a	-1.93	0.16	73	32.6	24.7	2.4	40.3	n/a	n/a	

Hours: 52345.5

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: _____

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: 2/2/09

Sampling Date: 2/26/09

Monitored by: Gary Falling

Barometric pressure (inches Hg) & Trend: 29.05

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0	18.9	0	under 8' snow pile from parking lot
Carbon Dioxide (CO_2)	0.4	3.1	4.7	
Oxygen (O_2)	19.8	14.8	15.0	
Pressure/Vacuum (inches water)	0	-0.2	0	

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 3/31/09

Time: Start 0915 End _____ Temp (°F) & Time: 50°@1200

Barometric Pressure (in. Hg): 28.79 Trend: (F) S R (circle one)

General Landfill Cap/Vegetation Conditions: Good

Recent Precipitation: Raining

Monitored By: Gary Starkol

Gas Detector Make and Model No.: GEM 2000 Serial No: GM 10248107

Date Meter Last Calibrated: 3/31/09

Well ID	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	-0.09	-0.11	0.14	3	3.7	22.2	2.3	72.2	X		(1) 27.68	ok
GW02	-0.07	-0.03	0.07	3	4.1	22.9	0.9	72.1	X		28.48	ok
GW03	-0.05	-0.10	0.11	2	4.6	21.2	4.5	70.1	X		28.72	ok
GW04	-0.03	-0.04	0.15	3	9.8	24.4	2.0	63.9	X		30.60	Needs stopper
GW05	-0.02	-0.06	0.08	2	18.1	26.6	1.9	53.8	X		30.58	ok
GW06	-0.04	-0.26	0.27	4	7.5	22.9	3.7	66.1	X		28.32	ok
GW22	-0.04	-0.05	0.01	1	43.9	25.1	1.5	29.5	X		44.66	ok
GW23	-0.39	-0.40	0.02	2	45.4	26.5	1.9	25.8	X		36.68	Needs soil at base.
GW24	-0.05	-0.04	0.01	1	41.2	19.8	4.1	34.6	X		17.89	ok
GW25	-0.24	-0.16	0.01	1	3.4	9.8	2.2	84.7	X		21.52	disconnected upon arrival, reconnected
GW26	-0.02	-0.07	0.03	2	59.2	29.4	0.9	10.5	X		24.13	fixed ferrico
GW27	-0.07	-0.05	0.02	2	14.1	9.5	13.9	62.8	X		17.64	Needs soil, depression standing water
GW28	-0.29	-0.34	0.05	2	34.3	31.0	0.4	34.6	X		24.34	ok
GW29	-0.15	-0.2	0.2	2	21.9	27.2	0.7	50.3	X		27.13	Needs soil around base
GW30	-0.06	-0.02	0.01	1	0.3	3.6	5.6	90.5	X		22.82	ok
GW31	-0.57	-0.15	0.51	5	15.3	19.1	3.7	62.4	X		dry	ok
GW32	-0.03	-0.05	0.01	1	10.1	21.2	2.2	66.8	X		21.72	ok

Monthly Monitoring Form
Tri-County Landfill

Date: 3/31/09

Well ID	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		Water Level[2]	Integrity (OK?)
									Old	New		
GW33	-0.24	-0.28	0.02	2	18.1	26.1	1.3	54.6	X		Dry	Bandit needs tightening
GW34	-0.22	-0.65	0.47	5	34.8	31.6	1.5	32.3	X		42.88	Tightened fernco
GW35	-0.64	-0.64	0.01	1	29.9	31.0	1.8	37.5	X		42.82	Fixed fernco
GW40	-0.08	-0.45	0.43	5	53.2	26.2	1.8	19.0	X		47.12	ok
GW41	-0.41	-0.14	0.16	3	57.6	31.8	1.3	9.2	X		Dry (2)	Fixed fernco
GW42	-0.59	-0.56	0.02	2	25.1	24.9	1.5	48.4	X		32.96	Fixed fernco
GW43	-0.34	-0.24	0.05	2	35.0	27.7	0.8	36.4	X		38.75	Needs soil standing water
GW44	-2.45	-1.30	1.39	6	34.1	30.6	2.4	33.1	X		45.45	Band-it needs tightening

Gas Extraction Trench	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		Integrity (OK?)
									Old	New	
GT01	-0.35	-0.32	0.01	1	27.4	21.1	0.9	50.2	X		ok
GT02	-0.27	-0.17	0.1	2	9.7	15.5	3.2	71.8	X		ok
GT03	-0.15	-0.2	0.03	2	8.4	14.5	3.4	73.9	X		Needs new port band

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		Integrity (OK?)
									Old	New	
Blower In	48	42	n/a	n/a	34.8	27.1	1.9	36.1	X		ok
Blower Out	n/a	2	0.18	82	32.7	25.6	3.1	38.7	n/a	n/a	ok

Hours: 53136.5

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments:

(1) GW01 Water level taken 4/29/09

(2) Water level tape came out of well with sticky goop on it.

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: 3/31/09

Sampling Date: 3/31/09

Monitored by: Gary Sterkal

Barometric pressure (inches Hg) & Trend: 28.79 falling

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0	68.9	0	0
Carbon Dioxide (CO_2)	0.1	2.9	1.7	2.7
Oxygen (O_2)	20.6	1.9	18.6	18.8
Pressure/Vacuum (inches water)	0	-0.02	0	0

needs cap

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 4/29/09

Time: Start 9:45am End 1:45 Temp (°F) & Time: 54° @ 9am

Barometric Pressure (in. Hg): 29.40 Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Good

Recent Precipitation: Rain last weekend 4/25 to 4/27

Monitored By: Larson

Gas Detector Make and Model No.: GEM 2000 Serial No: GM10248107

Date Meter Last Calibrated: 4/22/09 + 4/29/09

Well ID	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	-0.51	-0.09	0.38	4	1.6	19.7	0	78.7	20		NR	OK
GW02	-0.43	-0.13	0.25	4	3.5	20.5	0	76.0	20		NR	OK
GW03	-0.40	-0.09	0.20	4	2.3	17.4	1.7	78.6	20		NR	OK
GW04	-0.34	-0.08	0.16	3	5.6	20.8	0.2	73.5	20		NR	OK
GW05	-0.33	-0.13	0.20	4	11.9	22.8	0	65.4	20		NR	OK
GW06	-0.21	-0.04	0.19	3	4.4	19.1	1.0	75.5	0		NR	OK
GW22	-0.72	-0.43	0.02	2	38.1	22.6	0.9	38.4	20		NR	OK
GW23	-0.76	-0.30	0.02	2	37.3	25.0	0	37.4	20		NR	OK
GW24	-1.19	-0.03	0.01	1	42.8	21.3	3.4	32.8	20		NR	OK
GW25	-0.71	-0.39	0.01	1	37.2	24.1	0.6	37.9	20		NR	OK
GW26	-0.74	-0.51	0.02	2	44.6	22.2	2.9	26.4	30		NR	OK
GW27	-0.80	-0.70	0.02	2	18.7	11.1	11.3	59.4	20		NR	OK
GW28	-2.23	-0.86	0.03	2	33.6	28.3	0.9	37.2	100		NR	OK
GW29	-3.22	-0.42	0.04	2	14.2	23.0	0.1	62.7	20		NR	OK
GW30	-3.45	-0.03	0.04	2	0	0.3	20.0	79.6	20		NR	OK
GW31	-3.87	-0.32	0.90	6	9.8	14.7	3.7	71.8	20		NR	OK
GW32	-4.13	-0.11	0.09	3	6.9	18.9	0	74.2	20		NR	OK

Monthly Monitoring Form
Tri-County Landfill

Date: 4/29/09

Well ID	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	-0.41	-0.31	0.01	1	18.9	23.6	0.7	56.9	20		NR	OK
GW34	-0.34	-0.12	0.01	1	0	0.3	18.9	80.5	20		NR	OK
GW35	-0.26	-0.04	0.01	1	25.8	27.5	0.5	45.9	20		NR	OK
GW40	-0.25	-0.07	0.14	3	51.9	23.4	0	24.8	20		NR	OK
GW41	-0.81	-0.51	0.28	4	57.3	29.6	0	12.9	100		NR	OK
GW42	-0.59	-0.11	0.02	2	0	0.2	20.0	79.8	20		NR	OK
GW43	-1.27	-0.77	0.16	3	35.2	26.0	0	38.4	40		NR	OK
GW44	-2.31	-1.88	0.37	4	34.1	28.5	0	37.6	100		NR	OK

Gas Extraction Trench	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	-0.70	-0.10	0.02	2	2.4	12.2	1.5	83.9	20		OK
GT02	-0.73	-0.06	0.03	2	6.5	15.3	1.8	76.1	20		OK
GT03	-0.84	-0.12	0.03	2	21.1	20.5	0.4	57.8	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	52	-4.92	n/a	n/a	29.6	23.2	1.0	46.2	20		OK
Blower Out	n/a	2.0	0.14	60	27.8	21.3	2.8	47.7	n/a	n/a	OK

Hours: 53,833.0

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: GW 42 need hose barb cap.

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: 4/29/09

Sampling Date: 4/29/09

Monitored by: Larson

Barometric pressure (inches Hg) & Trend: 29.40 S

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0	15.8	0	0
Carbon Dioxide (CO_2)	0.6	1.9	3.8	2.9
Oxygen (O_2)	17.7	2.3	15.5	18.0
Pressure/Vacuum (inches water)	0	-0.33	-0.01	0

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 5/21/09

Time: Start 10:30 End _____ Temp (°F) & Time: 75°F 11am

Barometric Pressure (in. Hg): 29.25 Trend: (F) S R (circle one)

General Landfill Cap/Vegetation Conditions: Good cover growing

Recent Precipitation: None

Monitored By: Gary Sterkel

Gas Detector Make and Model No.: GEM 2000 Serial No: GM08418

Date Meter Last Calibrated: 5/18/09

Well ID	Header Pressure (in H_20)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	-0.12	-0.16	0.02	2	33.1	27.6	0.5	38.8	X		NR	ok
GW02	-0.12	-0.15	0.05	2	40.6	29.5	0.4	29.5	X		NR	ok
GW03	-0.12	-0.11	0.02	2	40.9	29.8	0.5	28.8	X		NR	ok
GW04	-0.14	-0.13	0.03	2	49.6	25.2	0.6	25.4	X		NR	ok
GW05	-0.19	-0.20	0.03	2	51.3	25.3	0.7	22.8	X		NR	ok
GW06	-1.17	-1.19	0.04	2	54.3	24.8	0.6	29.9	X		NR	ok
GW22	-0.38	-0.4	0.02	1	52.7	28.9	0.7	17.4	X		NR	ok
GW23	-0.46	-0.44	0.02	1	59.3	28.3	0.5	12.5	X		NR	ok
GW24	-0.06	-0.11	0.04	2	43.7	22.6	3.0	30.0	X		NR	ok
GW25	-0.32	-0.39	0.04	2	43.9	25.6	0.8	29.8	X		NR	ok
GW26	-0.31	-0.32	0.04	2	66.4	29.0	0.8	2.8	X		NR	ok
GW27	-0.15	-0.14	0.02	1	44.5	24.4	2.4	28.3	X		NR	ok
GW28	-0.38	-0.37	0.02	1	41.3	31.5	0.6	26.9	X		NR	ok
GW29	-0.46	-0.42	0.03	2	22.0	25.1	0.6	52.1	X		NR	ok
GW30	-0.04	-0.05	0.02	1	38.9	29.1	0.7	30.5	X		NR	ok
GW31	-0.31	-0.28	0.02	1	39.5	29.2	0.6	30.5	X		NR	ok
GW32	-0.23	-0.21	0.03	2	39.9	29.4	0.6	30.0	X		NR	ok

Monthly Monitoring Form
Tri-County Landfill

Date: 5/21/09

Well ID	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	-0.25	-0.23	0.04	2	21.1	22.9	1.1	54.7	X		NR	ok
GW34	-0.02	-0.17	0.14	3	12.6	18.6	0.7	68.3	X		NR	Hose broken need new hose
GW35	-0.25	-0.24	0.03	2	33.9	28.1	0.9	36.6	X		NR	ok
GW40	-0.25	-0.3	0.00	0	54.7	24.3	0.6	19.8	X		NR	ok
GW41	-0.26	-0.33	0.03	2	55.8	31.1	0.6	11.5	X		NR	ok
GW42	-0.32	-0.31	0.03	2	9.2	16.6	0.7	73.4	X		NR	ok
GW43	-0.34	-0.35	0.03	2	37.9	27.1	0.6	33.9	X		NR	ok
GW44	-0.29	-0.33	0.04	2	39.0	30.9	0.6	29.1	X		NR	ok

Gas Extraction Trench	Header Pressure (in H_20)	Trench Pressure (in H_20)	Differential Pressure (in H_20)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
GT01	-0.35	-0.34	0.02	2	53.8	30.2	0.6	15.1	X		ok
GT02	-0.19	-0.15	0.02	2	22.6	20.0	0.6	56.7	X		ok
GT03	-0.18	-0.19	0.01	1	54.2	30.7	0.6	15.2	X		ok

Blower	Temp (°F)	Static Pressure (in H_2O)	Differential Pressure (in H_20)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	O_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
Blower In	—	0	n/a	n/a	37.2	25.5	0	37.2	X		ok
Blower Out	n/a	0	0	0	0.2	0	19.7	79.9	n/a	n/a	ok

Hours: 54337.7

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: Blower off

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: 5/18/09

Sampling Date: 5/21/09

Monitored by: Gary Sterkel

Barometric pressure (inches Hg) & Trend: 29.25 falling

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0	19.4	0	0
Carbon Dioxide (CO_2)	0	4.3	2.3	0.6
Oxygen (O_2)	19.9	0.8	16.4	19.1
Pressure/Vacuum (inches water)	0	-0.16	0	0

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 8/25/09

Time: Start 10:30 End 14:30 Temp (°F) & Time: 90.0° F

Barometric Pressure (in. Hg): 29.04 Trend: (F) S R (circle one)

General Landfill Cap/Vegetation Conditions: Tall grass (2-4'), good cover over surface, no visible bare spots

Recent Precipitation: None

Monitored By: S. Smith, BT²

Gas Detector Make and Model No.: GEM2000 Serial No: GM07178

Date Meter Last Calibrated: Field calibrated 6/25: CH_4 = 50.0%, CO_2 = 35.0%, O_2 = 20.9%

Well ID	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	-0.4	-0.4	+0.002	1	4.6	19.8	0.1	75.5	100	2/9	27.78	OK	1
GW02	-0.5	-0.4	+0.006	1	5.3	17.7	0.8	72.6	100	100	27.94	OK	2
GW03	-0.5	-0.4	+0.004	1	~~8~~ 5.9	19.1	1.2	73.6	100%	2/9	28.31	OK	1
GW04	-0.4	-0.4	+0.112	1	5.0	17.6	1.3	76.1	100	2/9	28.51	OK	1
GW05	-0.7	-0.3	+0.359	2	8.8	18.7	1.6	70.9	100	5/9	30.20	OK	1
GW06	-0.3	-0.3	+0.004	1	22.0	23.0	0.0	55.1	100	100	29.78	OK	1
GW22	-0.7	-0.7	+0.189	2	44.3	22.4	0.9	32.4	2/9	100	45.73	OK	2
GW23	-0.7	-0.9	+0.370	2	41.1	25.5	0.0	25.2	2/9	6/9	36.55	OK	2
GW24	-0.8	-1.0	+2.290 ~~+2.500~~	4	~~30~~ 32.1 ~~28.1~~	17.9	6.1	43.5	100	100	18.20	OK	1
GW25	-0.9	-0.8	+0.171	2	43.5	25.5	0.9	29.8	100	100	21.15	OK	1
GW26	-0.3	-0.2	+0.007	1	57.1	27.4	1.3	14.4	2/9	100	23.80	OK	2
GW27	-0.3	-0.6	+0.010	1	43.6	23.2	2.2	31.3	100	100	15.35	OK	1
GW28	-2.0	-1.7	+1.373	3	39.9	31.3	0.1	28.2	2/9	100	23.20	OK	2
GW29	-2.2	-2.1	+2.126	4	16.9 ~~16.8~~	28.9	0.5	58.7	2/9	100	26.31	OK	2
GW30	-3.1	-2.6	+2.702 ~~+0~~	X0	0.0	0.1	20.8	79.1	100	0	23.30	OK	1
GW31	-0.8	-0.6	+0.019	1	30.5	28.2	0.9	30.1	100	100	Dry	OK	2
GW32	-3.1	-3.3	+2.980	5	11.4	19.4	0.4	68.9	100	100	22.08	OK	1

Contact - Reid Root at [illegible] - Woodland BY starting

Monthly Monitoring Form
Tri-County Landfill

Date: _____

Well ID	Header Pressure (in H_20)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)	
GW33	-0.6	-0.4	+0.255	2	24.3	23.6	0.0	52.1	2/9	100	Dry	OK	2
GW34	-0.4	-0.3	+0.019	1	13.1	18.5	0.8	69.2	2/9	2/9	42.90	NO	2
GW35	-0.3	-0.3	+0.316	2	37.8	27.5	0.2	34.3	2/9	100	42.95	OK	2
GW40	-0.3	-0.3	+0.003	1	57.5	23.5	0.3	18.4	5/9	100	47.13	OK	2
GW41	-0.2	-0.3	+0.072	1	61.1	30.5	0.1	8.2	100	100	~48.70	OK	2
GW42	-1.0	-0.8	+0.673 ~~+0.632~~	3	49.5	24.7	3.5	22.2	100	100	32.61	OK	2
GW43	-0.3	-0.3	+0.085	1	41.1	27.7	0.3	30.8	5/9	100	38.62	OK	2
GW44	-1.8	-1.8	+0.577	3	38.6	29.3	0.1	32.1	100	100	45.85	OK	2

Gas Extraction Trench	Header Pressure (in H_20)	Trench Pressure (in H_20)	Differential Pressure (in H_20)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
GT01	-1.0	-0.8	+0.780	3	48.1	26.1	0.2	25.3	2/9	6/9	OK
GT02	-0.8	-0.6	+0.710	3	25.5	16.0	2.0	56.5	2/9	2/9	OK
GT03	-0.7	-0.6	+0.640	3	19.6	13.4	0.0	67.1	2/9	2/9	OK

Blower	Temp (°F)	Static Pressure (in H_2O)	Differential Pressure (in H_20)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
Blower In	85	40	n/a	n/a	38.4	25.0	1.1	35.4	10/13	10/13	OK
Blower Out	n/a	+1.8	+0.051	50	37.7	24.5	1.4	36.2	n/a	n/a	OK

Hours: 55057.8

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: 100% = 9/9

GW34 - Extraction hose cracked and broken open. Shut off well.

~~[illegible]~~ Pilot temp = 1152 Pilot Tmr = 5m Blower amps = 4.43

1 - "new" well type Int pipe dia 1.94" - orifice 0.5"

2 - "old" well type Int pipe dia 7.5" - orifice 1"

Liquid levels measured from top of valve camlock on "old" and top of orifice flange on "new"

Tri-County Landfill

Gas Probe Monitoring Data

Probe locations are circled

Instrument/Serial Number: GEM 2000

Last Calibration Date: Field calibrated 6/25/09

Sampling Date: 6/25/09

Monitored by: S. Smith, BT²

Barometric pressure (inches Hg) & Trend: 29.04" Hg (↓)

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0.0	13.1	0.0	0.0
Carbon Dioxide (CO_2)	0.2	5.2	3.7	3.6
Oxygen (O_2)	20.2	1.0	15.0	17.6
Pressure/Vacuum (inches water)	0.00	+0.02	0.00	0.00

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 7/16/09

Time: Start 11:10 End 14:20 Temp (°F) & Time: 75.9°F @ 10:52 am

Barometric Pressure (in. Hg): 29.16" Hg Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Tall grass (2-9"), good surface cover, dry

Recent Precipitation: None — dry conditions

Monitored By: S. Smith, BT2

Gas Detector Make and Model No.: GEM2000 Serial No: GM07178

Date Meter Last Calibrated: 7/16/09 — CH_4 = 50.0%, CO_2 = 35.0%, O_2 = 20.9%

Well ID	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	-0.4	-0.3	+0.005	1	4.5	19.5	6.2	79.8	2/9	2/9	—	OK
GW02	-0.1	-0.1	-0.412	2	3.7	19.7	0.0	76.5	2/9	2/9	—	OK
GW03	0.0	-0.1	-0.539	3	14.5 ~~13.8~~	20.6 ~~19.7~~	0.8 ~~1.3~~	64.2 ~~64.8~~	2/9	5/9	—	OK
GW04	-0.1	-0.1	-0.550	3	4.2	18.0	0.3	77.5	2/9	3/9	—	OK
GW05	-0.1	-0.4	-0.535	3	9.0	20.2	0.0	70.8	3/9	2/9	—	OK
GW06	-0.4	-0.3	-0.238	2	16.3	21.8	0.0	62.1	9/9	5/9	—	OK
GW22	-0.4	-0.4	+0.127	1	43.2	22.4	0.9	33.6	9/9	9/9	—	OK
GW23	-0.6	-0.6	+0.007	1	48.2	25.6	0.0	26.2	6/9	9/9	—	OK
GW24	-0.1	-0.3	+0.027 ~~+0.027~~	1	0.2	0.3	20.7	78.8	9/9	0/9	—	OK
GW25	-0.1	-0.4	+0.027 ~~-0.419~~	1	37.0	24.1	0.1	36.9	9/9	9/9	—	OK
GW26	-0.4	-0.3	+0.014	1	49.7	23.4	3.5	23.5	9/9	9/9	—	OK
GW27	-0.5	-0.7	+0.111	1	38.0	21.7	3.5	36.8	9/9	9/9	—	OK
GW28	-2.1	-2.2	+0.038	1	34.4	31.1	0.2	34.2	9/9	9/9	—	OK
GW29	-2.4 ~~-2.8~~	-2.5 ~~2.7~~	+0.089 ~~+2.647~~	1 ~~109~~	20.2 ~~3.6~~	25.3 ~~2.0~~	0.8 ~~18.9~~	53.6 ~~76.0~~	9/9 ~~7/9~~	9/9	—	~~OK~~
GW30	-2.8 ~~0.0~~	-2.7 ~~0.3~~	+2.647 ~~+0.014~~	3 ~~16~~	3.6 ~~35.5~~	2.0 ~~27.0~~	18.9 ~~0.0~~	76.0 ~~37.4~~	7/9 ~~9/9~~	7/9 ~~9/9~~	—	~~OK~~
GW31	-3.0	-3.1	+2.402	4	15.1	15.8	5.4	63.8	9/9	9/9	—	OK
GW32	-3.4	-3.4	+3.120	5	10.6	19.0	0.2	70.1	9/9	9/9	—	OK

Monthly Monitoring Form
Tri-County Landfill

Date: 7/16/09

Well ID	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	-0.5	-0.5	+0.012	1	21.9	23.4	0.0	55.2	9/9	9/9	—	OK
GW34	-0.1	0.0	-0.493	2	1.1	0.9	19.9	78.1	1/9	0/9	—	OK
GW35	-0.1	-0.1	+0.08	1	39.1	27.7	0.3	32.8	9/9	9/9	—	OK
GW40	-0.3	-0.3	+0.004	1	57.6	24.0	0.1	18.4	9/9	9/9	—	OK
GW41	-0.1	-0.2	+0.023	1	59.9	29.6	0.3	10.6	9/9	9/9	—	OK
GW42	0.0	-0.1	-0.328	80	0.0	0.4	20.4	79.2	0/9	0/9	—	OK
GW43	-0.4	-0.5	+0.022	1	42.1	27.2	0.2	30.8	9/9	9/9	—	OK
GW44	-2.4	-2.5	+0.776	4	38.7	29.4	0.1	31.5	9/9	9/9	—	OK

Gas Extraction Trench	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	0.0	0.0	-0.425	2	20.2	14.8	0.0	65.0	2/9	6/9	OK
GT02	0.0	-0.5 ~~-0.35~~	+0.154 ~~-0.637~~	1 ~~0~~	37.7	22.1	0.0	40.4	2/9 ~~—~~	~~9~~ 5/9	OK
GT03	-0.3	-0.7	+0.009	1	32.6	23.5	1.0	42.7	7/9 ~~—~~	~~9~~ 9/9	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	81	-4.6	n/a	n/a	33.4	25.0	0.2	41.3	10/12	10/12	OK
Blower Out	n/a	+2.0	~~+2.5~~ +0.288	80	32.3	23.8	1.0	42.8	n/a	n/a	OK

Hours: 55519.3

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: GW-34 - Extraction well hose has been repaired.
GW-~~29~~ 30 - Shutoff valve stuff. Needs to be taken apart and cleaned out/fixed.

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: 7/16/09

Sampling Date: 7/16/09

Monitored by: S. Smith BT2

Barometric pressure (inches Hg) & Trend: 29.16" Hg (S)

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0.0	6.4 ~~0.8~~	0.0	0.0
Carbon Dioxide (CO_2)	0.1	~~0.6~~ 0.9	10.0	10.0
Oxygen (O_2)	20.7	~~15.2~~ 17.1	8.8	9.3
Pressure/Vacuum (inches water)	0.00	0.00	0.00	0.00

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 8/19/09

Time: Start 10:40 End 13:50 Temp (°F) & Time: 75° F @ 09:52 am

Barometric Pressure (in. Hg): 29.12" Hg (GEM) Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Very dry, tall grass/weeds

Recent Precipitation: None — very dry conditions

Monitored By: S. Smith, BTR

Gas Detector Make and Model No.: GEM2000 Serial No: GM07178

Date Meter Last Calibrated: 8/19/09 → CH_4 = 50.0%, CO_2 = 35.0%, O_2 = 20.9%

Well ID	Header Pressure (in H_20)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	0.0	0.0	-0.216	1	6.5	21.6	0.0	71.9	2/9	2 →	—	OK
GW02	-0.1	-0.1	~~+0.011~~ -0.005	1	9.4	21.6	0.0	69.1	5/9	5/9	—	OK
GW03	0.0	0.0	-0.216	1	8.0	19.2	0.0	72.7	3/9	3/9	—	OK
GW04	0.0	0.0	-0.366	2	20.1	22.1	0.0	57.8	0%	9/9 100%	—	OK
GW05	0.0	0.0	-0.143	1	26.5	23.5	0.0	49.7	4/9	100	—	OK
GW06	0.0	0.0	-0.128	1	14.7	20.9	0.0	64.4	100	100	—	OK
GW22	-0.1 ~~+0.093~~	-0.1	0.00	0	50.1 ~~49.~~	24.1	0.0	26.0	100	100	—	OK
GW23	+0.1 ~~+0.128~~	0.0	-0.037 ~~+0.005~~	1	53.0	26.9	0.0	20.1	100	100	—	OK
GW24	0.0	0.0	-1.723	~~X~~0	0.3	1.1	18.3	80.4	0 →	→	—	OK
GW25	-1.2	-1.4	-0.346	2	33.5	24.6	0.0	41.8	100 →	→	—	OK
GW26	-1.7	-1.8	-0.143	1	58.2	26.8	0.9	13.8	100 →	→	—	OK
GW27	-3.1	-3.6	+0.107	1	36.5	21.7	2.9	38.8	100 →	→	—	OK
GW28	-7.0	-7.5	-0.623	3	33.7	30.7	0.0	35.7	100 →	→	—	OK
GW29	-2.8	-2.9	-7.290	5	21.7	26.3	0.4	51.7	100 →	→	—	OK
GW30	-1.0	-1.1	-1.233	3	46.7	29.5	0.0	25.1	7/9 →	9/9 →	—	OK
GW31	0.0	0.0	-12.282	0	0.0	0.1	20.5	78.5	8/9	closed	—	OK
GW32	-1.4	-1.4	-11.875	0	18.8	17.9	2.8	60.5	100 →	→	—	OK

Monthly Monitoring Form
Tri-County Landfill

Date: 8/19/09

Well ID	Header Pressure (in H_2O)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW33	~~-0.4~~ -14.8	~~-0.4~~ -15.6	+15.682	5	14.4	21.0	0.0	64.6	100	0/9	—	OK
GW34	-1.0	-0.9	-0.268	2	29.6	24.0	0.0	51.6	100	→	—	OK
GW35	+0.1	+0.1	-0.246	2	42.6	28.1	0.0	29.6	100	100	—	OK
GW40	+0.017	+0.1	-0.175	2	58.5	29.4	0.0	16.9	100	100	—	OK
GW41	-0.9	-0.7	-0.535	3	62.1	29.4	0.0	8.4	100	→	—	OK
GW42	~~-0.104~~ -0.1	0.0	-0.258	~~X~~ 0	0.0	1.6	17.9	80.5	0%	0%	—	OK
GW43	-1.5	-1.7	-0.192	2	40.4	28.1	0.0	31.4	100	→	—	OK
GW44	-3.8	-4.0	-3.702	4	40.1	28.5	0.0	31.6	100	→	—	OK

Gas Extraction Trench	Header Pressure (in H_2O)	Trench Pressure (in H_2O)	Differential Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
GT01	~~+0.089~~ +0.017	-0.1	~~-0.0~~ -0.092	2	41.6	27.4	0.1	31.3	100%	→	OK
GT02	~~+0.011~~ +0.011	0.0	-0.055	1	26.0	22.4	0.0	51.4	5/9	100%	OK
GT03	+0.007	-0.1	+0.002	1	14.4	16.5	1.0	68.1	4/9	100%	OK

Blower	Temp (°F)	Static Pressure (in H_2O)	Differential Pressure (in H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Integrity (OK?)
Blower In	79	-3.4	n/a	n/a	37.0	~~33.6~~ 26.3	2.2	41.4	5/12	~~8/12~~ 6/12	OK
Blower Out	n/a	+13.7	~~+1.6~~ +1.614	75	37.1	26.3	0.0	36.4	n/a	n/a	OK

Hours: 56334.8

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: Pilot temp. = 1340°F Blower amps = 7.78

GW-32 — Blue valve doesn't turn correctly. Needs to be taken apart and checked.

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: Field calibrated 8/19/09

Sampling Date: 8/19/09

Monitored by: S. Smith, BT²

Barometric pressure (inches Hg) & Trend:

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)		0.4	0.0	0.0
Carbon Dioxide (CO_2)		11.0	1.4	10.7
Oxygen (O_2)		15.1	18.3	7.7
Pressure/Vacuum (inches water)		0.0	0.0	0.0

Blocked by construction truck

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 9/16/09

Time: Start 11:15 End 15:25 Temp (°F) & Time: 71°F @ 10:52am

Barometric Pressure (in. Hg): 29.43" Hg Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Tall, very dry, in need of annual mowing

Recent Precipitation: None

Monitored By: S. Smith, BTR

Gas Detector Make and Model No.: Landtec GEM2000 Serial No: GM07178

Date Meter Last Calibrated: Field calibrated 7/16/09: CH_4 = 50.0%, CO_2 = 35.0%, O_2 = 20.9%

Well ID	Header Pressure (in H_20)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	-0.3	-0.1	-0.191	2	5.5	20.8	0.0	73.8	2/9	→	28.10	OK
GW02	-1.1	-1.2	+0.088	1	8.6	21.1	0.0	70.2	5/9	→	28.51	OK
GW03	-0.9	-0.2	-0.677	3	4.1	18.2	0.7	77.2	3/9	→	28.81	OK
GW04	-0.9	-0.2	-0.854	4	7.0	20.0	0.0	73.1	100%	→	30.47	OK
GW05	-0.9	-0.4	-0.941	4	13.2	20.8	0.0	66.0	100%	→	30.09	OK
GW06	-0.6	-0.1	-0.521	3	4.9	17.3	2.2	75.6	100%	3/9	28.75	OK
GW22	-0.6	-0.7	-0.005	1	33.8	17.8	4.0	44.4	100%	→	46.43	OK
GW23	-0.7	-0.6	+0.135	1	49.5	26.1	0.0	24.4	100%	→	37.25	OK
GW24	-0.1	-0.1	-3.544	0	0.0	0.3	20.4	79.0	0	→	19.30	OK
GW25	-3.2	-3.2	-0.846	4	23.4	23.8	0.0	53.1	100%	→	22.03	OK
GW26	-4.3	-4.4	+0.034	1	38.7	24.2	2.7	34.1	100%	→	24.51	OK
GW27	-4.9	-5.1	+0.216	2	26.7	16.6	6.7	52.5	100%	→	23.13	OK
GW28	-8.0	-9.2	-0.589	3	31.9	29.7	0.0	38.9	100%	→	23.77	OK
GW29	-9.6	-4.1	-5.600	5	17.8	23.9	0.6	57.7	100%	→	23.81	OK
GW30	-0.1	-0.1	-12.127	0	0.0	0.2	20.6	78.6	0% ~~100%~~	→	23.39	OK
GW31	-2.3	-2.2	-11.922	5	13.6	15.8	5.8	64.7	100	100%	23.37	OK
GW32	-1.1	-1.1	-15.467	5	11.0	21.0	0.0	68.1	100%	→	23.28	OK

Monthly Monitoring Form
Tri-County Landfill

Date: 9/16/09

Well ID	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	-1.6	-1.3	-0.280	2	21.4	24.1	0.0	54.4	0	100%	43.47	OK
GW34	-1.4	-0.8	+0.577	3	32.5	28.7	0.3	38.4	100%	→	43.04	OK
GW35	-0.2	-0.2	-0.443	3	33.2	27.4	0.0	39.3	100%	→	43.07	OK
GW40	-0.3	-0.2	+0.043	1	55.1	23.8	0.0	21.3	100%	→	47.39	OK
GW41	-3.1	-2.3	-0.903	4	62.2	28.9	0.0	9.0	100%	→	① 48.	OK
GW42	-0.4	-0.5	-0.387	0	0	0	20.7	53.1	0	→	Dry	OK
GW43	-4.3 ~~-0.5~~	-4.0 ~~-0.2~~	-0.370 ~~+0.043~~	2 ~~9~~	35.2	27.8	0.0	36.3	100%	→	39.07	OK
GW44	-10.7	-5.8	-4.883	4	36.5	28.7	0.0	34.8	100%	→	46.51	OK

Gas Extraction Trench	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	-0.7	-0.6	-0.205	2	31.2	24.9	0.4	43.5	100%	→	OK
GT02	-0.7	-0.3	-0.314	3	13.1	16.9	3.1	66.5	100%	→	OK
GT03	-0.6	-0.7	+0.018 ~~-0.005~~	1	3.8	9.6	5.7	80.9	100%	~~→~~ 2/9	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	114	-26.0	n/a	n/a	33.1	25.2 ~~28.~~	0.4	41.1	6/12	8/12	OK
Blower Out	n/a	+11.2	+1.664 ~~+2~~	87	33.0	25.1	0.7	41.4	n/a	n/a	OK

Hours: 57001.6

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: P. lot temp = 1239 Blower Amps = 8.90

① Approx. reading. H_2O level meter not used due to "product" in well. A weighted rope was used.

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: Field calibrated 9/16/09

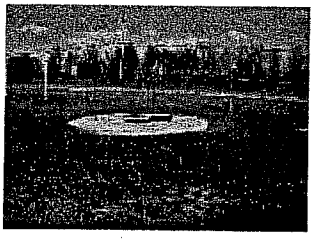
Sampling Date: 9/16/09

Monitored by: S.S., BT2

Barometric pressure (inches Hg) & Trend: 29.43" Hg (S)

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0.0	0.0	0.0	0.0
Carbon Dioxide (CO_2)	1.7	3.7	0.9	3.2
Oxygen (O_2)	19.9	16.5	20.2	16.8
Pressure/Vacuum (inches water)	0.0	0.0	0.0	0.0

Tri County Landfill 3822



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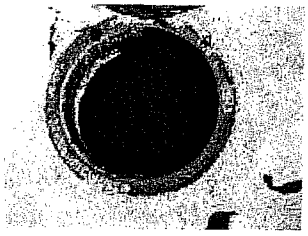

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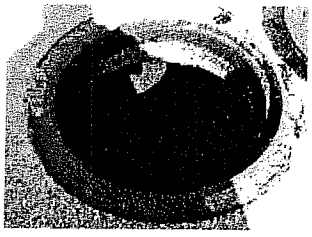

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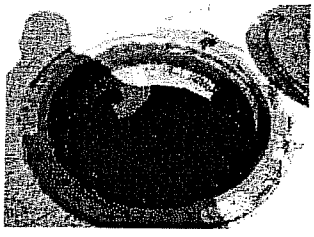

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Table created by Thumber

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 10/22/09

Time: Start 11:25 End 14:10 Temp (°F) & Time: 50° F

Barometric Pressure (in. Hg): 29.030" Hg (GEM) Trend: (F) S R (circle one)

General Landfill Cap/Vegetation Conditions: Recently mowed; good condition 3-4 dump

Recent Precipitation: Currently raining

Monitored By: S. Smith, BTR

Gas Detector Make and Model No.: Landtec GEM2000 Serial No: GM07178

Date Meter Last Calibrated: Field calibrated 10/22/09: CH_4=50.0%, CO_2=35.0%, O_2=20.9%

Well ID	Header Pressure (in H_20)	Well Head Pressure (in. H_2O)	Differential Pressure (in. H_2O)	Gas Flow (cfm)	CH_4 (%)	CO_2 (%)	0_2 (%)	Bal (%)	Valve Settings[1] (%) Open Old	Valve Settings[1] (%) Open New	Water Level[2]	Integrity (OK?)
GW01	-0.1	-0.8	-0.490	2	11.8	22.9	0.0	65.2		2/9	—	OK
GW02	-0.5	-0.9	+0.120	1	11.8	23.2	0.0	64.8		5/9	—	OK
GW03	-0.1	-0.7	-0.313	2	6.2	19.5	1.3	73.1		3/9	—	OK
GW04	0.0	-0.6	-0.367	2	8.5	20.7	0.2	63.1		100%	—	OK
GW05	-0.2	-0.8	-0.225	2	14.9	22.3	0.0	62.7		100%	—	OK
GW06	-0.1	-0.8	-0.258	2	3.8	17.4	3.1	75.7		4/9	—	OK ~~100~~
GW22	-1.1	-1.1	+0.008	1	31.5	18.9	3.4	46.1		100%	—	OK
GW23	-1.0	-1.1	-0.162	1	43.7	26.8	0.0	47.9		100%	—	OK
GW24	-0.2	-0.9	-0.266	0	0.0	0.6	20.0	80.1		0%	—	OK
GW25	-1.3	-1.4	-0.725	4	19.9	22.8	0.1	50.1		100%	—	OK
GW26	-1.4	-1.4	-0.325	2	39.3	24.0	1.9	33.7		100%	—	OK
GW27	-1.3	-1.4	-0.386	2	24.8	19.9	5.2	49.9		100%	—	OK
GW28	-1.4	-1.5	-0.390 ~~-3.900~~	2	28.4	28.5	0.0	43.0		100%	—	OK
GW29	-0.7	-0.8	-1.185	5	17.4	24.5	1.2	57.2		100%	—	OK
GW30	0.0	-0.7	-2.200	0	0.1	0.2	20.6	77.8		0% ~~100~~	—	OK
GW31	0.0	-0.8	-2.455	5	14.6	19.4	2.8	63.2		100%	—	OK
GW32	-0.2	-0.8	-2.995	5	11.2	21.4	0.0	67.4		100%	—	OK

Monthly Monitoring Form
Tri-County Landfill

Date: 10/22/08

Well ID	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	0.0 ~~1.2~~	-0.8 ~~-1.3~~	-0.138 ~~-0.733~~	1 ~~0~~	22.6 ~~33.2~~	29.2 ~~28.6~~	0.0 ~~0.2~~	53.1 ~~38.3~~		100%	—	OK
GW34	0.0	-0.5	-0.110	1	27.9	27.4	0.0	44.8		100%	—	OK
GW35	-0.2	-0.8	-0.136	1	29.6	27.4	0.0	43.1		100%	—	OK
GW40	-0.3	-0.7	-0.020	1	39.7	21.2	1.3	37.8		100%	—	OK
GW41	0.0	-0.5	-0.660	3	58.1	30.2	0.0	12.0		100%	—	OK
GW42	-0.6	-0.9	-0.675	0	0.5 ~~0.0~~	0.8	20.7	77.9		0%	—	OK
GW43	-1.0	-1.1	-0.042	3	30.8	27.1	0.2	42.0		100%	—	OK
GW44	-1.2	-1.3	-0.733	4	33.2	28.6	0.2	38.3		100%	—	OK

Gas Extraction Trench	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	-1.1	-1.3	+0.174	2	18.9	22.4	1.2	57.5		100%	OK
GT02	-0.2	-1.0	-0.830	4	12.7	15.3	4.1	67.9		100%	OK
GT03	-0.1	-1.0	-0.945	5	14.0	17.1	2.4	66.5		2/4	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	58	-120.6	n/a	n/a	11.2	21.8	9.2	62.8		4/12	OK
Blower Out	n/a	-112.6	—	—	10.1	19.5	9.1	61.2	n/a	n/a	OK

Hours: 57748.5

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: _____

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: Field calibrated 10/22/09

Sampling Date: 10/22/09

Monitored by: S. Smith, BT²

Barometric pressure (inches Hg) & Trend: 29.30" Hg (F↓)

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0.0	0.0	0.0	0.0
Carbon Dioxide (CO_2)	1.9	4.2	0.4	2.9
Oxygen (O_2)	19.4	15.7	20.2	17.3
Pressure/Vacuum (inches water)	-0.01	0.0	-0.01	0.08

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 11/18/09

Time: Start 11:25 End _____ Temp (°F) & Time: 45°F @

Barometric Pressure (in. Hg): 29.30" Hg Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Cap in great shape

Recent Precipitation: Currently light rain

Monitored By: S. Smith - BTZ

Gas Detector Make and Model No.: Ludtke GEM2000 Serial No: GM07178

Date Meter Last Calibrated: Field calibrated 11/18/09: CH_4 = 50.0%, CO_2 = 35.0%, O_2 = 20.9%

Well ID	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	-0.1	-0.6	-0.518	2	5.5	20.7	0.2	73.6	2/9	→	—	✓
GW02	-0.2	-0.4	-0.338	1	5.8	19.4	0.6	74.2	5/9	→	—	✓
GW03	0.0	-0.3	-0.505	2	5.8	19.3	0.0	75.0	3/9	→	—	✓
GW04	-0.3	-0.5	-0.175	1	8.4	20.8	0.0	70.8	100	→	—	✓
GW05	-0.4	-0.4	-0.038	1	16.2	22.9	0.0	60.9	100	→	—	✓
GW06	-0.3	-0.4	-0.052	1	4.5	18.6	1.2	75.6	4/9	→	—	✓
GW22	-0.4	-0.6	+0.007	1	35.7	19.8	2.4	42.1	100	→	—	✓
GW23	-0.3	-0.6	+0.006	1	47.0	26.7	0.0	26.4	100	→	—	✓
GW24	0.0	-0.6	-0.539	0	0.0	0.3	20.7	78.8	0	→	—	✓
GW25	-0.6	-0.7	-0.020	1	19.8	23.6	1.7 ~~0.0~~	55.2	100	→	—	✓
GW26	-0.9	-1.0	+0.029	1	41.9	24.1	2.6	31.0	100	→	—	✓
GW27	-0.6	-0.8	-0.300	1	29.5	20.3	4.4	45.6	100	→	—	✓
GW28	~~-2.8~~ ~~-3.0~~	-3.0	-0.357	2	29.0	28.6	0.0	42.2	100	→	—	✓
GW29	-1.4	-1.6	-1.601	5	19.7	25.0	0.0	55.3	100	→	—	✓
GW30	-0.8 ~~+1.2~~	+0.8 ~~4~~	-2.540 ~~-4.637~~	0	0.0	0.2	20.5	79.3	0	→	—	✓
GW31	-3.9	+1.3 ~~+0.090~~	+0.090 ~~-1.71~~	1	15.0	20.0	2.2	62.9	100	→	—	✓
GW32	-0.5	-0.9	-3.742	5	9.5	21.5	1.4	67.8	100	→	—	✓

Monthly Monitoring Form
Tri-County Landfill

Date: 11/18/09

Well ID	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	-0.5	-0.9	-0.167	1	23.4	24.8	0.3	51.5	100	→	—	✓
GW34	-0.3	-0.8	-0.295	1	36.0	28.8	0.0	35.6	100	→	—	✓
GW35	-0.1	-0.6	-0.295	1	33.8	27.0	0.0	31.4	100	→	—	✓
GW40	-0.1	-0.6	-0.222	1	52.0	23.2	0.0	24.8	100	→	—	✓
GW41	-0.4	-0.8	+0.174	1	59.1	27.7	0.0	11.0	100	→	—	✓
GW42	-0.2	-0.8	-0.184	0	4.7	5.6	16.6	73.5	0	→	—	✓
GW43	-0.5	-0.9	+1.73	3	46.5	26.1	0.0	27.4	100	→	—	✓
GW44	-2.1	-2.2	-1.046	4	37.0	28.7	0.0	37.3	100	→	—	✓

Gas Extraction Trench	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	-0.4	-0.6	-0.050	1	26.8	22.5	0.6	50.1	100	→	✓
GT02	-0.4	-0.5	+0.035	1	12.4	15.5	3.0	69.1	100	→	✓
GT03	0.0	-0.3	-0.355	1	16.2	17.7	1.1	65.0	2/9	→	✓

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	52	-5.5	n/a	n/a	30.6	25.1	1.1	43.4	4/12	→	✓
Blower Out	n/a	+2.3	+0.250	80	30.0	24.3	1.0	45.0	n/a	n/a	✓

Hours: 58348.8

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: Blower Amps = 5.28 Pilot Temp = 932°F

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: Field calibrated 11/18/09

Sampling Date: 11/18/09

Monitored by: S. Smith, BTL

Barometric pressure (inches Hg) & Trend: 29.30" Hg (Steady)

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	Blocked	37.5	0.6	0.0
Carbon Dioxide (CO_2)		16.1	1.0	2.1
Oxygen (O_2)		8.3	19.9	19.5
Pressure/Vacuum (inches water)		0.0	0.0	0.0

MONTHLY MONITORING LOG
TRI-COUNTY LANDFILL
LANDFILL GAS CONTROL SYSTEM

Date: 12/16/09

Time: Start 10:00 End 14:15 Temp (°F) & Time: 0°F @ 10 am

Barometric Pressure (in. Hg): 29.74 "Hg Trend: F (S) R (circle one)

General Landfill Cap/Vegetation Conditions: Approx. 2" snow cover

Recent Precipitation: None

Monitored By: S. Smith, BT²

Gas Detector Make and Model No.: Landtec GEM2000 Serial No: GM07178

Date Meter Last Calibrated: Field calibrated 12/16/09: CH_4 = 50.0%, CO_2 = 35.0%, O_2 = 20.9%

Well ID	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	0.0	-0.1	+0.282	2	13.1	2.7	10.4	63.7	2/11	100	28.15	✓
GW02	+0.1	-0.1	+0.158	1	17.2	16.2	8.1	58.5	5/11	100	28.65	✓
GW03	+0.1	-0.2	+0.113	1	23.5	21.9	3.1	51.5	3/11	100	29.03	✓
GW04	+0.1	-0.2	+0.152	1	19.4	16.4	8.2	56.0	100	→	31.70	✓
GW05	+0.1	+0.1	+0.111	1	21.5	18.8	6.4	53.5	100	→	Dry	✓
GW06	-0.0	-0.2	+0.173	2	0.2	0.3	20.6	78.4	4/11	2/11	33.05	✓
GW22	-0.0	-0.4	+0.330	2	0.1	0.2	20.6	78.3	100%	1/11	37.53	✓
GW23	+0.1	-0.4	-0.018	1	25.5	18.5	3.6	52.6	100%	→	37.50	✓
GW24	0.0	-0.4	-0.084	0	0.2	0.3	20.3	79.1	0	→	21.65	✓
GW25	-0.1	-0.4	+0.003	1	17.4	16.3	3.7	62.9	100	→	26.20	✓
GW26	-1.0	-1.3	-2.241	0	0.0	0.2	20.7	78.7	100	0	25.70	✓
GW27	-3.7	-3.8	+0.037	1	35.5	22.7	2.2	38.8	100	→	19.90	✓
GW28	-6.5	-6.5	-0.432	0	0.0	0.1	20.7	78.8	100	0%	26.10	✓
GW29	-2.8	-2.8	-7.891	0	0.0	0.1	20.7	78.5	100	0%	25.45	✓
GW30	0.0	0.0	-12.49	0	0.0	0.2	20.6	79.5	0	→	24.36	✓
GW31	-14.2	-14.3	+1.005	4	21.3	23.2	0.0	55.3	100	→	23.35	✓
GW32	0.0	-0.6	-16.05	5	11.9	~~16.8~~ 17.2	~~5.8~~ 4.3	66.4	100	2/11	23.26	✓

Monthly Monitoring Form
Tri-County Landfill

Date: 12/16/09

Well ID	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	-0.5	-0.7	-1.096	80	0.0	0.1	20.7	78.7	100	0	40.70	✓
GW34	0.0	0.0	-0.008	1	22.5	17.1	9.3	51.3	100	→	42.42	✓
GW35	+0.3	-0.3	-0.092	1	29.3	25.6	0.0	45.1	100	→	42.68	✓
GW40	+0.2	-0.1	+0.125	1	11.4	12.7	9.1	66.8	100	→	47.17	✓
GW41	-0.1	-0.2	-0.011	1	35.5	22.8	3.1	38.5	100	→	—	✓
GW42	+0.2	+0.2	-0.023	1	18.1	20.3	0.2	61.5	0%	4/11	33.79	✓
GW43	-3.8	-3.0	-0.059	1	31.7	22.4	2.1	44.7	100	8/11	39.70	✓
GW44	-6.2	-6.2	-7.750	0	0.0	0.2	20.6	78.6	100	0	46.28	✓

Gas Extraction Trench	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	0.0	-0.4	+0.236	3	0.0	0.2	20.8	78.5	100%	2/11	✓
GT02	+0.1	-0.3	+0.091	1	31.6	22.6	0.0	46.0	100%	→	✓
GT03	+0.1	-0.2	+0.195	3	32.0	22.5	0.0	45.6	2/9	100%	✓

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	43	-3.5	n/a	n/a	8.6	7.1	14.5	70.3	2/15	7/15	✓
Blower Out	n/a	+2.4	+0.250	65	8.5	7.0	14.3	70.6	n/a	n/a	✓

Hours: 58970.7

Footnotes:

(1) Valve setting represents total "% open" based on the valve handle rotations open of 11 total possible rotations.
(2) Depth to water (measured quarterly).
(3) Gas flow estimates based on prior measurements

Comments: Gloria (262) 345-1220

Pilot Temp = 1285 °F

Blower Amps = 8.50

Tri-County Landfill

Gas Probe Monitoring Data

Instrument/Serial Number: GEM 2000

Last Calibration Date: Field calibrated 12/16/09

Sampling Date: 12/16/09

Monitored by: S. Smith, BTZ

Barometric pressure (inches Hg) & Trend: 29.74" Hg (S)

	HWY 25 Black Jacks GP-01	ARC Disposal South Fence GP-02	Southwest Gate GP-03	Waste West Parking Lot GP-08
Methane (CH_4)	0.2	48.6	0.0	0.0
Carbon Dioxide (CO_2)	0.2	22.9	4.2	1.3
Oxygen (O_2)	20.2	4.5	14.1	19.7 ~~20.0~~
Pressure/Vacuum (inches water)	0.0	0.0	0.0	0.0

APPENDIX B

Landfill Gas Analysis – Tri-County/Elgin Landfills

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December 28, 2009

LABORATORY REPORT

Client:
Waste Management Germantown
W132 N10487 Grant Drive
Germantown, WI 53022
Attn: Mike Peterson

Work Order: LSL0135
Project Name: KY05 Tri-County Landfill
Project Number: [none]
Date Received: 12/17/09

TestAmerica Los Angeles certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the Corrective Action Report. NELAC Certification Number for TestAmerica Los Angeles is E87652. The test results listed within this Laboratory Report pertain only to the samples tested at TestAmerica Los Angeles, unless otherwise indicated. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

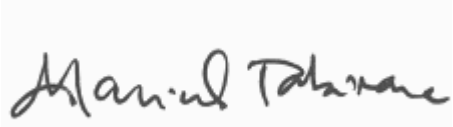
The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 714-258-8610.

CASE NARRATIVE

Sample for method 25C have been corrected for nitrogen. STP conditions are used in this calculation. Sample for EPA 25C is analyzed in triplicate and 3C sample is run in duplicate. EPA 3C/25C results summary forms are available.

Approved By:



Marisol Tabirara
Project Manager

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: Project: Project Number:	LSL0135 KY05 Tri-County Landfill [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION	MATRIX	CONTAINER TYPE
FLARE EXHAUST	LSL0135-01	12/16/09 14:40	Air	Passivated Canister Tedlar Bag 1L

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: LSL0135 Project: KY05 Tri-County Landfill Project Number: [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10	

ANALYTICAL REPORT

Sample ID: LSL0135-01 (FLARE EXHAUST - Air) **Sampled: 12/16/09 14:40**

EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Acetone	ND		ppbv	180	18	12/24/09 18:48	MSA	TD	9L28004
Benzene	**160**		ppbv	53	18	12/24/09 18:48	MSA	TD	9L28004
Benzyl chloride	ND		ppbv	180	18	12/24/09 18:48	MSA	TD	9L28004
Bromodichloromethane	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Bromoform	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Bromomethane	ND		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
2-Butanone (MEK)	ND		ppbv	180	18	12/24/09 18:48	MSA	TD	9L28004
Carbon disulfide	ND		ppbv	180	18	12/24/09 18:48	MSA	TD	9L28004
Carbon tetrachloride	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Chlorobenzene	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Dibromochloromethane	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Chloroethane	**300**		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
Chloroform	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Chloromethane	ND		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
1,2-Dibromoethane (EDB)	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,2-Dichlorobenzene	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,3-Dichlorobenzene	ND		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
1,4-Dichlorobenzene	ND		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
Dichlorodifluoromethane	**240**		ppbv	53	18	12/24/09 18:48	MSA	TD	9L28004
1,1-Dichloroethane	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,2-Dichloroethane	ND		ppbv	53	18	12/24/09 18:48	MSA	TD	9L28004
cis-1,2-Dichloroethene	**360**		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
trans-1,2-Dichloroethene	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,1-Dichloroethene	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,2-Dichloropropane	ND		ppbv	53	18	12/24/09 18:48	MSA	TD	9L28004
cis-1,3-Dichloropropene	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
trans-1,3-Dichloropropene	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**66**		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Ethylbenzene	**740**		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
4-Ethyltoluene	**120**		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Hexachlorobutadiene	ND		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
2-Hexanone	ND		ppbv	180	18	12/24/09 18:48	MSA	TD	9L28004
Methylene chloride	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
4-Methyl-2-pentanone (MIBK)	ND		ppbv	180	18	12/24/09 18:48	MSA	TD	9L28004
Styrene	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,1,2,2-Tetrachloroethane	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Tetrachloroethene	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Toluene	**1000**		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,2,4-Trichlorobenzene	ND		ppbv	89	18	12/24/09 18:48	MSA	TD	9L28004
1,1,1-Trichloroethane	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,1,2-Trichloroethane	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Trichloroethene	**78**		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Trichlorofluoromethane	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: LSL0135 Project: KY05 Tri-County Landfill Project Number: [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10	

ANALYTICAL REPORT

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: LSL0135-01 (FLARE EXHAUST - Air) - cont.						**Sampled: 12/16/09 14:40**			
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS - cont.									
1,2,4-Trimethylbenzene	**220**		ppbv	53	18	12/24/09 18:48	MSA	TD	9L28004
1,3,5-Trimethylbenzene	ND		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
Vinyl acetate	ND		ppbv	360	18	12/24/09 18:48	MSA	TD	9L28004
Vinyl chloride	**310**		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
m,p-Xylene	**3500**		ppbv	71	18	12/24/09 18:48	MSA	TD	9L28004
o-Xylene	**720**		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004
Xylenes, total	**4300**		ppbv	36	18	12/24/09 18:48	MSA	TD	9L28004

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: LSL0135 Project: KY05 Tri-County Landfill Project Number: [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10	

ANALYTICAL REPORT

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: LSL0135-01 (FLARE EXHAUST - Air)						**Sampled: 12/16/09 14:40**			
EPA 15/16 - Sulfur Compounds									
Hydrogen sulfide	ND		ppmv	0.10	1.0	12/17/09 11:08	GC7	YZ	9L17001
EPA 25C - Total Nonmethane Organic Compounds									
TNMOC as Methane	**3600**		ppm-C	77	2.6	12/17/09 10:10	GC8	ei	9L18003
EPA 3C - Fixed Gases									
Carbon dioxide	**15**		%(v/v)	0.026	2.6	12/17/09 10:10	GC8	ei	9L18003
Methane	**18**		%(v/v)	0.00052	2.6	12/17/09 10:10	GC8	ei	9L18003
Nitrogen	**61**		%(v/v)	2.6	2.6	12/17/09 10:10	GC8	ei	9L18003
Oxygen	**7.2**		%(v/v)	0.52	2.6	12/17/09 10:10	GC8	ei	9L18003

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: LSL0135 Project: KY05 Tri-County Landfill Project Number: [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10	

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Result	Data Qualifier	Units	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: 9L28004-BLK1 (Blank - Air)									
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS									
Acetone	ND		ppbv	10	1.00	12/24/09 2:03	MSA	TD	9L28004
Benzene	ND		ppbv	3.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Benzyl chloride	ND		ppbv	10	1.00	12/24/09 2:03	MSA	TD	9L28004
Bromodichloromethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Bromoform	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Bromomethane	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
2-Butanone (MEK)	ND		ppbv	10	1.00	12/24/09 2:03	MSA	TD	9L28004
Carbon disulfide	ND		ppbv	10	1.00	12/24/09 2:03	MSA	TD	9L28004
Carbon tetrachloride	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Chlorobenzene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Dibromochloromethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Chloroethane	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Chloroform	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Chloromethane	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,2-Dibromoethane (EDB)	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,2-Dichlorobenzene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,3-Dichlorobenzene	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,4-Dichlorobenzene	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Dichlorodifluoromethane	ND		ppbv	3.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,1-Dichloroethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,2-Dichloroethane	ND		ppbv	3.0	1.00	12/24/09 2:03	MSA	TD	9L28004
cis-1,2-Dichloroethene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
trans-1,2-Dichloroethene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,1-Dichloroethene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,2-Dichloropropane	ND		ppbv	3.0	1.00	12/24/09 2:03	MSA	TD	9L28004
cis-1,3-Dichloropropene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
trans-1,3-Dichloropropene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Ethylbenzene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
4-Ethyltoluene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Hexachlorobutadiene	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
2-Hexanone	ND		ppbv	10	1.00	12/24/09 2:03	MSA	TD	9L28004
Methylene chloride	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
4-Methyl-2-pentanone (MIBK)	ND		ppbv	10	1.00	12/24/09 2:03	MSA	TD	9L28004
Styrene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,1,2,2-Tetrachloroethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Tetrachloroethene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Toluene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,2,4-Trichlorobenzene	ND		ppbv	5.0	1.00	12/24/09 2:03	MSA	TD	9L28004

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: LSL0135 Project: KY05 Tri-County Landfill Project Number: [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10	

PROJECT QUALITY CONTROL DATA

Blank - Cont.

Analyte	Result	Data Qualifier	Units	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: 9L28004-BLK1 (Blank - Air) - cont.									
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,1,2-Trichloroethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Trichloroethene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Trichlorofluoromethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,2,4-Trimethylbenzene	ND		ppbv	3.0	1.00	12/24/09 2:03	MSA	TD	9L28004
1,3,5-Trimethylbenzene	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Vinyl acetate	ND		ppbv	20	1.00	12/24/09 2:03	MSA	TD	9L28004
Vinyl chloride	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
m,p-Xylene	ND		ppbv	4.0	1.00	12/24/09 2:03	MSA	TD	9L28004
o-Xylene	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004
Xylenes, total	ND		ppbv	2.0	1.00	12/24/09 2:03	MSA	TD	9L28004

Blank - Cont.

Analyte	Result	Data Qualifier	Units	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: 9L17001-BLK1 (Blank - Air)									
EPA 15/16 - Sulfur Compounds									
Hydrogen sulfide	ND		ppmv	0.10	1.00	12/17/09 6:56	GC7	YZ	9L17001
Sample ID: 9L18003-BLK1 (Blank - Air)									
EPA 25C - Total Nonmethane Organic Compounds									
TNMOC as Methane	ND		ppm-C	30	1.00	12/17/09 13:24	GC8	ei	9L18003
Sample ID: 9L18003-BLK1 (Blank - Air)									
EPA 3C - Fixed Gases									
Carbon dioxide	ND		%(v/v)	0.010	1.00	12/17/09 13:24	GC8	ei	9L18003
Methane	ND		%(v/v)	0.00020	1.00	12/17/09 13:24	GC8	ei	9L18003
Nitrogen	ND		%(v/v)	1.0	1.00	12/17/09 13:24	GC8	ei	9L18003
Oxygen	ND		%(v/v)	0.20	1.00	12/17/09 13:24	GC8	ei	9L18003

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3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: LSL0135 Project: KY05 Tri-County Landfill Project Number: [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10	

PROJECT QUALITY CONTROL DATA

LCS

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	Instrument	Date Analyzed	QC Batch
Sample ID: 9L28004-BS1 (LCS - Air)											
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS											
1,2-Dichlorobenzene	**49.5**		ppbv	2.0	1.00	50.0	99%	70 - 130	MSA	12/24/09 00:35	9L28004
1,3-Dichlorobenzene	**51.6**		ppbv	4.0	1.00	53.0	97%	70 - 130	MSA	12/24/09 00:35	9L28004
1,1-Dichloroethane	**53.9**		ppbv	2.0	1.00	52.5	103%	70 - 130	MSA	12/24/09 00:35	9L28004
1,2-Dichloroethane	**51.2**		ppbv	3.0	1.00	53.0	97%	70 - 130	MSA	12/24/09 00:35	9L28004
trans-1,2-Dichloroethene	**55.5**		ppbv	2.0	1.00	52.5	106%	70 - 130	MSA	12/24/09 00:35	9L28004
1,1-Dichloroethene	**58.9**		ppbv	2.0	1.00	54.0	109%	70 - 130	MSA	12/24/09 00:35	9L28004
1,2-Dichloropropane	**49.0**		ppbv	3.0	1.00	50.0	98%	70 - 130	MSA	12/24/09 00:35	9L28004
cis-1,3-Dichloropropene	**49.6**		ppbv	2.0	1.00	50.0	99%	70 - 130	MSA	12/24/09 00:35	9L28004
Methylene chloride	**55.3**		ppbv	2.0	1.00	54.0	102%	70 - 130	MSA	12/24/09 00:35	9L28004
Styrene	**50.6**		ppbv	2.0	1.00	50.0	101%	70 - 130	MSA	12/24/09 00:35	9L28004
1,1,2,2-Tetrachloroethane	**48.1**		ppbv	2.0	1.00	50.0	96%	70 - 130	MSA	12/24/09 00:35	9L28004
Tetrachloroethene	**46.7**		ppbv	2.0	1.00	52.5	89%	70 - 130	MSA	12/24/09 00:35	9L28004
Toluene	**50.4**		ppbv	2.0	1.00	53.0	95%	70 - 130	MSA	12/24/09 00:35	9L28004
1,1,1-Trichloroethane	**50.3**		ppbv	2.0	1.00	50.0	101%	70 - 130	MSA	12/24/09 00:35	9L28004
Trichlorofluoromethane	**44.2**		ppbv	2.0	1.00	53.0	83%	70 - 130	MSA	12/24/09 00:35	9L28004
1,1,2-Trichloro-1,2,2-trifluoroethane	**56.5**		ppbv	2.0	1.00	53.5	106%	70 - 130	MSA	12/24/09 00:35	9L28004

LCS - Cont.

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	Instrument	Date Analyzed	QC Batch
Sample ID: 9L17001-BS1 (LCS - Air)											
EPA 15/16 - Sulfur Compounds											
Hydrogen sulfide	**1.05**		ppmv	0.10	1.00	0.980	107%	60 - 130	GC7	12/17/09 06:20	9L17001
Sample ID: 9L18003-BS2 (LCS - Air)											
EPA 25C - Total Nonmethane Organic Compounds											
TNMOC as Methane	**56.5**		ppm-C	30	1.00	60.0	94%	80 - 120	GC8	12/17/09 12:14	9L18003
Sample ID: 9L18003-BS1 (LCS - Air)											
EPA 3C - Fixed Gases											
Carbon dioxide	**0.535**		%(v/v)	0.010	1.00	0.499	107%	75 - 125	GC8	12/17/09 10:17	9L18003
Methane	**0.0282**		%(v/v)	0.00020	1.00	0.0250	113%	75 - 135	GC8	12/17/09 10:17	9L18003
Nitrogen	**12.8**		%(v/v)	1.0	1.00	11.0	117%	70 - 130	GC8	12/17/09 10:17	9L18003
Oxygen	**2.78**		%(v/v)	0.20	1.00	2.49	112%	70 - 130	GC8	12/17/09 10:17	9L18003

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: Project: Project Number:	LSL0135 KY05 Tri-County Landfill [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10

PROJECT QUALITY CONTROL DATA

LCS - Cont.

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	Instrument	Date Analyzed	QC Batch

Sample ID: 9L18003-BS1 (LCS - Air) - cont.

EPA 3C - Fixed Gases

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: LSL0135 Project: KY05 Tri-County Landfill Project Number: [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10	

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	RPD	Limit	Date Analyzed	QC Batch
Sample ID: 9L28004-BSD1 (LCS Dup - Air)												
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS												
1,2-Dichlorobenzene	**50.9**		ppbv	2.0	1.00	50.0	102%	70 - 130	3	25	12/24/09 01:12	9L28004
1,3-Dichlorobenzene	**52.8**		ppbv	4.0	1.00	53.0	100%	70 - 130	2	25	12/24/09 01:12	9L28004
1,1-Dichloroethane	**53.6**		ppbv	2.0	1.00	52.5	102%	70 - 130	0.5	25	12/24/09 01:12	9L28004
1,2-Dichloroethane	**52.3**		ppbv	3.0	1.00	53.0	99%	70 - 130	2	25	12/24/09 01:12	9L28004
trans-1,2-Dichloroethene	**56.1**		ppbv	2.0	1.00	52.5	107%	70 - 130	1	25	12/24/09 01:12	9L28004
1,1-Dichloroethene	**62.6**		ppbv	2.0	1.00	54.0	116%	70 - 130	6	25	12/24/09 01:12	9L28004
1,2-Dichloropropane	**47.0**		ppbv	3.0	1.00	50.0	94%	70 - 130	4	25	12/24/09 01:12	9L28004
cis-1,3-Dichloropropene	**50.3**		ppbv	2.0	1.00	50.0	101%	70 - 130	1	25	12/24/09 01:12	9L28004
Methylene chloride	**56.2**		ppbv	2.0	1.00	54.0	104%	70 - 130	2	25	12/24/09 01:12	9L28004
Styrene	**51.4**		ppbv	2.0	1.00	50.0	103%	70 - 130	2	25	12/24/09 01:12	9L28004
1,1,2,2-Tetrachloroethane	**49.1**		ppbv	2.0	1.00	50.0	98%	70 - 130	2	25	12/24/09 01:12	9L28004
Tetrachloroethene	**47.0**		ppbv	2.0	1.00	52.5	89%	70 - 130	0.5	25	12/24/09 01:12	9L28004
Toluene	**49.5**		ppbv	2.0	1.00	53.0	93%	70 - 130	2	25	12/24/09 01:12	9L28004
1,1,1-Trichloroethane	**49.6**		ppbv	2.0	1.00	50.0	99%	70 - 130	2	25	12/24/09 01:12	9L28004
Trichlorofluoromethane	**43.7**		ppbv	2.0	1.00	53.0	82%	70 - 130	1	25	12/24/09 01:12	9L28004
1,1,2-Trichloro-1,2,2-trifluoroethane	**56.6**		ppbv	2.0	1.00	53.5	106%	70 - 130	0.2	25	12/24/09 01:12	9L28004

LCS Dup - Cont.

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	RPD	Limit	Date Analyzed	QC Batch
Sample ID: 9L17001-BSD1 (LCS Dup - Air)												
EPA 15/16 - Sulfur Compounds												
Hydrogen sulfide	**1.10**		ppmv	0.10	1.00	0.980	112%	60 - 130	5	25	12/17/09 06:38	9L17001
Sample ID: 9L18003-BSD2 (LCS Dup - Air)												
EPA 25C - Total Nonmethane Organic Compounds												
TNMOC as Methane	**56.1**		ppm-C	30	1.00	60.0	93%	80 - 120	0.7	20	12/17/09 12:42	9L18003
Sample ID: 9L18003-BSD1 (LCS Dup - Air)												
EPA 3C - Fixed Gases												
Carbon dioxide	**0.532**		%(v/v)	0.010	1.00	0.499	107%	75 - 125	0.5	20	12/17/09 10:35	9L18003
Methane	**0.0282**		%(v/v)	0.00020	1.00	0.0250	113%	75 - 135	0.2	20	12/17/09 10:35	9L18003
Nitrogen	**12.8**		%(v/v)	1.0	1.00	11.0	117%	70 - 130	0.5	30	12/17/09 10:35	9L18003
Oxygen	**2.76**		%(v/v)	0.20	1.00	2.49	111%	70 - 130	0.6	30	12/17/09 10:35	9L18003

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Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: Project: Project Number:	LSL0135 KY05 Tri-County Landfill [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	RPD	Limit	Date Analyzed	QC Batch

Sample ID: 9L18003-BSD1 (LCS Dup - Air) - cont.

EPA 3C - Fixed Gases

3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Waste Management Germantown W132 N10487 Grant Drive Germantown, WI 53022 Mike Peterson	Work Order: Project: Project Number:	LSL0135 KY05 Tri-County Landfill [none]	Received: 12/17/09 10:05 Reported: 12/28/09 17:10

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

TestAmerica Los Angeles
3585 Cadillac Ave., Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: M. Pattke	LSL0135	1 of 1 COCs
Company: BT2, Inc.	Phone: (	Samples Collected By: S. Smith	
Address: 2830 Dairy Dr.	Email: ssmith@bt2inc.com		
City/State/Zip Madison WI 53718			
Phone: (608) 224-2830	Site Contact: Steven Smith		
FAX: (608) 224-2839	LAB Contact:		
Project Name: Tri-County LF	Analysis Turnaround Time		
Site:	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	TO-3	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
Flare Exhaust	12/16/09	1440	1443	-15	-5	—	03857	X						X						

Temperature (Fahrenheit)			
	Interior	Ambient	
Start		18° F	
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Sample tedlar bag for H_2S

Samples Shipped by:	Date/Time:	Samples Received by:
Samples Relinquished by:	Date/Time: 12/17/09 1005	Received by:
Relinquished by:	Date/Time:	Received by:

LSL0135

Lab Use Only Shipper Name: Opened by: Condition:

Tabirara, Sonia

From: Gloria Koroghlanian [gkoroghlanian@bt2inc.com]
Sent: Monday, December 07, 2009 2:13 PM
To: Tabirara, Sonia
Subject: Annual Gas Sampling at Tri-County Landfill

Hi Sonia,

We need to set up the annual gas sampling at Tri-County Landfill. I believe last year we sampled the blower exhaust for TO-15, 25C and 3C (VOAs and NMOCs) and hydrogen sulfide.

Can we get the summa and tedlar bag sent to the person below for delivery on 12/14/09?

Steve Smith
BT Squared, Inc.
2830 Dairy Drive
Madison, WI 53718

If you have any questions, let me know.

Thanks,
Gloria

Gloria Koroghlanian, Project Scientist II
www.bt2inc.com

BT² inc. Engineering & Science
N84 W13540 Leon Road
Menomonee Falls, WI 53051
Phone: 262.345.1220 ext. 102 | Fax: 262.345.1224

Madison | Lake Delton | Milwaukee | Chicago
- aebB cMGraMsi ra

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: WMI
CANISTER SERIAL #: 03857
DATE CLEANED: 120209B
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID:
Duration of comp. : Hrs. / mins.
Flow setting: ml/min
Initials:

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		7.20 psia	12/11/09	[illegible]
INITIAL FIELD VACUUM				
FINAL FIELD READING				

PRE-DILUTED WITH HELIUM

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (PSIA)	16.06	12/17/09	X
FINAL PRESSURE (PSIA)	~~16.06~~ 22.87	12/17/09	X

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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x2

CANISTER QC CERTIFICATION

TestAmerica
THE LEADER in ENVIRONMENTAL TESTING

Certification Type: TO-15 mL

Date Cleaned/Batch A120209B

Date of QC 12-05-09

Data File Number WB12012(M517)

CANISTER ID NUMBERS

* 03857	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12-05-09 Date:

N:\COI\DOCS\TestAmerica DOCs\Can QC Cert 20070712.doc

TestAmerica Los Angeles

AIR TOXICS - TO-14A/TO-15 MEDIUM LEVEL

Data file : \\LAPC065\MSA_C\chem\MSA.i\091204.B\MB12042.D
Lab Smp Id: BLANK Client Smp ID: 03857
Inj Date : 05-DEC-2009 06:17
Operator : AD Inst ID: MSA.i
Smp Info : BLANK,03857,SCREEN BLANK
Misc Info : 1,1,500,500,3,,BLANK,TO14A.SUB,0,
Comment :
Method : \\LAPC065\MSA_C\chem\MSA.i\091204.B\TO14A.m
Meth Date : 04-Dec-2009 19:10 yabutl Quant Type: ISTD
Cal Date : 23-NOV-2009 21:39 Cal File: IC11239.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO14A.SUB
Subtraction File: \\LAPC065\MSA_C
Target Version: 4.04
Processing Host: LAPC065

Concentration Formula: Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol)

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	FinalPres
InitPres	1.000	InitPres
CalVol	500.000	CalVol
SmpVol	500.000	SmpVol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
38 Methylene Chloride	49	5.916	5.915	(0.690)	22591	1.78986	1.790(aQ)
* 58 Bromochloromethane	49	8.574	8.609	(1.000)	769379	50.0000	
$ 66 1,2-Dichloroethane-d4	65	9.574	9.600	(1.117)	683740	59.0790	59.08
* 75 1,4-Difluorobenzene	114	10.340	10.356	(1.000)	2534933	50.0000	
$ 90 Toluene-d8	100	12.889	12.897	(1.247)	1197118	48.0821	48.08
* 102 Chlorobenzene-d5	117	15.510	15.500	(1.000)	1730486	50.0000	
$ 115 4-Bromofluorobenzene	95	17.727	17.716	(1.143)	1675336	46.5686	46.57

QC Flag Legend

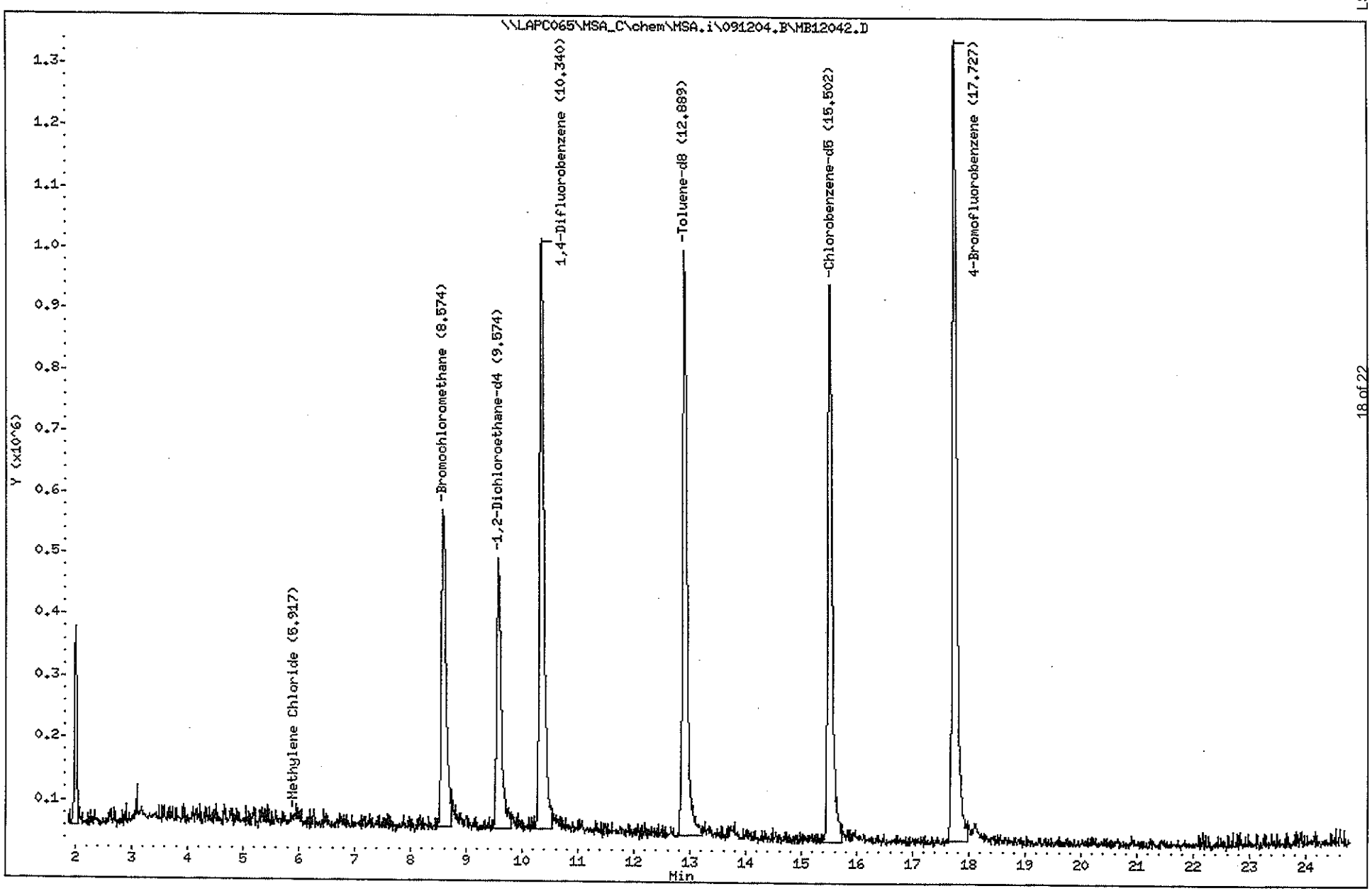
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\LAPC065\MSA_C\chem\MSA.i\091204.B\MB12042.D
Date : 05-DEC-2009 06:17
Client ID: 03857
Sample Info: BLANK,03857,SCREEN BLANK

Column phase: J&W DB-624

Instrument: MSA.i

Operator: AD
Column diameter: 0.53



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

EPA 25C TRIPLICATE RESULTS

Date Analyzed / QC Batch: 12/17/09/9L18003

GC8 EPA 25C TNMOC SUMMARY REPORT

LAB SAMPLE ID#: LSL0135-01

		Date	Time	Dilution Factor
25C RAW DATA FILES Run 1:	I311-1	12/17/09	22:10	2.5813
Run 2:	I311-2	12/17/09	22:37	2.5813
Run 3:	I311-3	12/17/09	23:03	2.5813

EPA 25C DF: **2.5813** Date: 12/17/2009

	Run 1	Run 2	Run 3	Average			BASE RL's
	Results	Results	Results	Results	RSD=15%		
COMPOUND	ppm-c	ppm-c	ppm-c	ppm-c	%RSD	RL	ppm
TNMOC	3583.13	3592.13	3474.86	3550.0400	1.838	77.4	30

	Results	Results	Results	Results	RSD=15%
	%v/v	%v/v	%v/v	%v/v	%RSD
NITROGEN	60.5854	60.5650	60.4992	60.5498	0.074
NO N2 CORRECTION	53.2482	53.2403	53.2148		

COMMENTS: CANISTER PRE-PRESSURIZED WITH HELIUM 7.2

FINAL PRESSURE 22.87

INITIAL PRESSURE 16.06

SERIAL DILUTION 1.00

TNMOC as CH4	RAW AMOUNT	ADJUSTED TNMOC RESULTS
RUN1	715.665	3583.13
RUN2	718.392	3592.13
RUN3	697.844	3474.86

	NMOC	ETHENE	ETHANE
	681.210	0.000	17.227
	683.331	0.000	17.631
	668.308	0.000	17.268

NOTE: TNMOC RESULTS ADJUSTED PER NITROGEN VALUES AND STP

LEVEL 1 12/21/09 **LEVEL2** 12/22

Note: Calculation for Nitrogen last validated by QA on 6-23-2008.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

EPA 3C DUPLICATE RESULTS

Date Analyzed / QC Batch: 12/17/09/9L18003

TESTAMERICA LOS ANGELES

EPA 3C SAMPLE RESULTS SUMMARY CALCULATION

Lot ID: LSL0135-01
Data File(s): I311 -1
Date Acquired: 12/17/2009 22:10 ; 22:37
Dilution Factor: 2.58

Final(F) Lab Pressure: 22.87
Sample(S) Receipt Pressure: 16.06
Prepressurized? (He,NO): He
Lab Pressurized? (N2,NO): N2
Pre-pressure: 7.2
Serial Dilution: 1

Analyte	RUN1 PPM(v/v)	RUN2 PPM(v/v)	RPD (10%)	AVERAGE PPM(v/v)	AVERAGE %v/v	RL %v/v	BASE RL %v/v
Carbon Dioxide:	151120.11	151184.64	0.04	151152.37	15.115237	0.02581	0.01
Oxygen/Argon:	71891	71917	0.04	71904	7.190369	0.51625	0.2
Nitrogen:	605854	605650	0.03	605752	60.575169	2.58126	1
Methane:	178153.69	178133.04	0.01	178143.36	17.814336	0.00052	0.0002
Ethene:	0.00	0.00	#DIV/0!	0.00	0.000000	0.00258	0.001
Ethane:	17.23	17.53	1.75	17.38	0.001738	0.00129	0.0005
Hydrogen	0	0	#DIV/0!	0.00	0.000000	0.05163	0.02
Helium	0	0	#DIV/0!	0.00	0.000000	0.05163	0.02
Carbon Monoxide:	0.00	0.00	#DIV/0!	0.00	0.000000	0.00258	0.001
%Total:	100.704	100.690					

	RUN1 PPM(v/v)	RUN2 PPM(v/v)	RUN1 %(v/v)	RUN2 %(v/v)
Nitrogen File Result:	532482	532403	53.2482	53.2403

LEVEL 1 EJ 12/21/09 **LEVEL2** [illegible]

Note: Calculation for Nitrogen last validated by QA on 6-23-2008.

APPENDIX C

Quarterly Inspection and Monitoring Logs – Elgin Landfill

LANDMARC
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AND SYSTEMS SPECIALISTS

March 19, 2009
Project No. 0120-137-30.00

Mr. Jim Hitzeroth
Allied Waste North Central Region
Mallard Lake Landfill
26W580 Schick Road
Hanover Park, Illinois 60133

Re: 1st Quarter Site Inspection 2009
Elgin Landfill
Elgin, Illinois

Dear Mr. Hitzeroth:

Landmarc Environmental Systems, LLC. (Landmarc) is pleased to present the results from the quarterly site inspection conducted on March 5, 2009, at the Elgin Landfill located in Elgin, Illinois.

Attached is the quarterly site inspection observations and results. The gas monitoring was completed at the same time as the site inspection.

We trust this information meets with your requirements in this matter. If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,
Landmarc Environmetal Systems, LLC.

Andrew Sirota
Engineering Technician

Dan Sawyer
Project Manger

cc: John V. Fagiolo, U.S. EPA

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ROUTINE SITE INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION DATE: 03/05/2009

Inspector(s) Names: Andrew Sirota

Company: Landmarc Environmental Systems, LLC.

Weather Conditions: Partly Cloudy and Warm.

General Site Conditions: Frozen ground cover.
(e.g., muddy, dusty, etc.)

Inspection Item
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks
Notes: (1) Gate and Access Parking Area -Good. (2) Perimeter Fencing – Good (3) Signs -Good (4) All Site Gates, Probes and Sump have Locks in place.
See Photo: 1
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter North Slope
Notes: (1) Vegetation Growth Remains Good (2) Slope Rock Toe in Good Condition. (3) Small Gullies Previously Observed have not worsened and are well vegetated.
See Photo: 2
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter West Slope
Notes: (1) Vegetation Growth Remains good (2) Slope, West Ditch and area along fence well vegetated. (3) Good vegetation is established. Ditch unblocked
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope
Notes: (1) Vegetation growth good (2) Tension crack approximately 70-ft looks to have stabilized. A geonet remains in place over the slope area by WM to help improve long term vegetation stability
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Inspection Item (check when complete)				
☒ Upper Storm water Pond Notes: (1) Pond was half full. (2) Vegetation remains strong (3) Pond drainage outlet clear of any blockage (4) Upper pond East and West slopes vegetated and stable				See Photo: 3
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action
☒ Lower Storm water Pond and Discharge Notes: (1) Good vegetation growth around the wetland and pond area. Vegetation on the drainage ditches for the pond appears stable. (2) Water in pond at drain level. (3) Riprap at inlet channels appear in good condition.	(4) Discharge pipe and Rt. 25 Box culvert unblocked.			See Photos: 4
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action
☒ Landfill Top Surfaces and Drainage Swales Notes: (1)Vegetation growth stable (2) No significant erosion noted. Previous noted erosion gullies along NW swale are stable and well vegetated. (3) No signs of damage, vandalism or unauthorized entry at the Landfill.	☐ OTHER			See Photos: 5, 6, 7, 8, 9
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action

GAS SYSTEM INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION TYPE: (Circle) (Quarterly)/Monthly **INSPECTION DATE: 03/05/09**

Inspector(s) Names: Andrew Sirota

Company: Landmarc Environmental Systems, LLC.

Weather Conditions: Cloudy and cool.

General Site Conditions: Frozen ground cover.
(e.g., muddy, dusty, etc.)

Inspection Item
(check when complete)

☑ Condensate Knock-Out/Lift Station (KSE01)

Notes:

(1) Condensate Level: _____ ft.

(2) Condensate Volume: _____ ft^3

(3) Valves: Air - Open Y/N Y
Discharge - Open Y/N Y
Isolation - Open Y/N Y

(4) Air Pressure Reading: 0 psi

(5) Electrical: Meter OK Y/N Y
Outlet Power OK Y/N Y
Heat Tracing OK Y/N Y

(6) Pump: Manual On/(Off) Check OK Y/N Y

(7) Pump Cycle Reading 2000

(8) Other See "Other Notes" _____

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ Monitoring Control Stations

	MCE01	MCE02
% Methane	0.0	0.0
% Oxygen	20.4	20.0
% Carbon Dioxide	0.0	0.0

MCE01 (Southeast Tie-in)
Valves: 2-in Air - Open Y/N Y
2-in Discharge - Open Y/N Y
6-in Gas Header - Valve Setting Open
Other: _____

MCE02 (Southwest Tie-in)
Valve:
6-in Gas Header - Valve Setting Open
Other: _____

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ East LFG Well System (GWE 01 thru GWE13) Remember Close Sample Ports and Reattach Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	-0.1	-0.5	0.0	0.064	0.48	0.2	0.4	0.3	0.2	0.3	0.2	0.6	0.5	0.5
Header Pressure	-0.3	-0.03	0.07	-0.13	-0.36	-0.25	0.1	-0.26	-0.35	-0.09	-0.2	-0.21	-0.17	-0.07
Differential Press.	0.006	-0.055	-0.082	0.038	-0.034	-0.04	-0.041	-0.044	-0.053	-0.051	-0.04	-0.048	-0.048	-0.044
LFG Temperature	50	50	50	51	48	43	49	53	53	52	52	53	52	53
LFG Flow	0	3	0	5	1	2	1	3	2	2	2	3	2	2
% Methane	32.7	23.5	0.0	19.6	4.2	20.8	18.6	18.7	0.6	18.7	31.1	26.2	32.9	29.2
% Oxygen	0.0	0.0	5.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
% Carbon Dioxide	19.1	16.1	9.7	16.2	17.3	16.1	16.9	16.2	12.7	11.7	19.0	16.2	17.0	14.0
Valve Setting			Closed						Closed	Closed	Closed			
Other														
Other														

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes:

GAS SYSTEM INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION TYPE: (Circle) (Quarterly)/Monthly **INSPECTION DATE: 03/05/09**

Inspection Item
(check when complete)

☑ East LFG Extraction Well System (GWE 14 thru GWE19) Remember Close Sample Ports and Reattach Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.6	0.4	0.3	0.3	0.3
Header Static Pressure	-0.06	-1.73	-1.09	0.19	-0.02
Differential Pressure	-0.029	-0.05	0.15	-0.046	-0.043
LFG Temperature	53	53	53	52	53
LFG Flow	4	0	5	4	2
% Methane	42.7	4.9	16.1	26.8	23.1
% Oxygen	0.0	0.0	0.0	0.0	0.0
% Carbon Dioxide	20.4	13.0	12.5	11.5	25.3
Valve Setting					
Other					
Other					

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ Cleanouts Located at LFG Wells GWE14, GWE19, and Three (3) Cleanouts Near KSE01.

Notes:

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y
Other					

Notes:

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

By:	Andrew Sirota	Subject:	2009 Quarterly Inspection	Sheet No:	1 of 4
Date:	03/05/2009		Elgin Landfill, Elgin, IL	Job No:	0120137-30

Photograph # 1
General Assessment:
Perimeter Fencing
East Slope

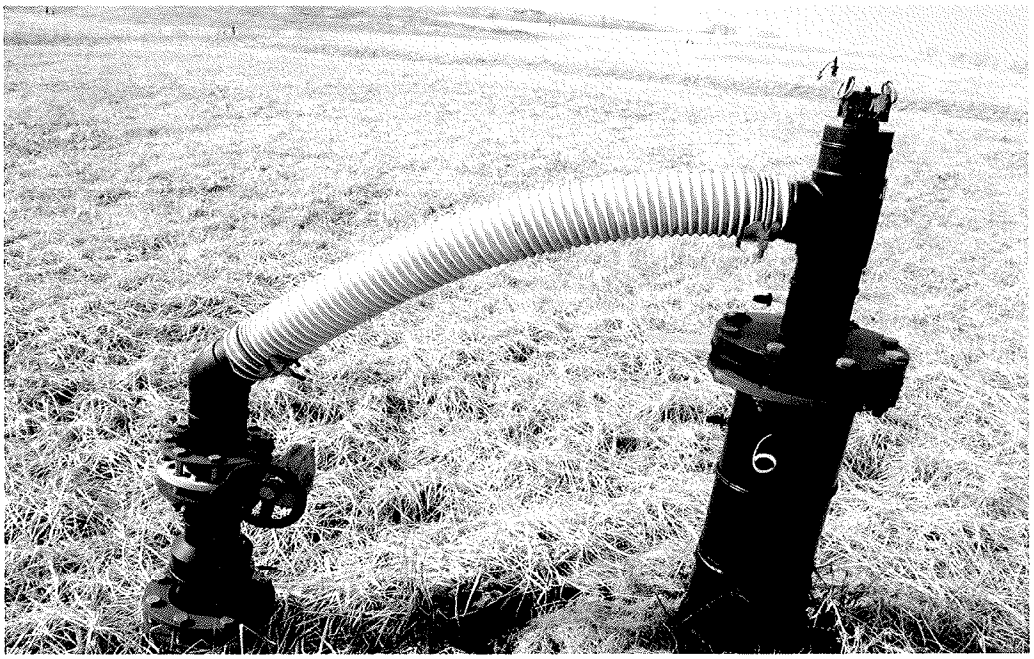
Photograph # 2
Landfill Perimeter:
West Slope

Photograph # 3
Upper Storm Water
Pond: Wetlands

Photograph # 4
Lower Storm Water
Pond: Wetlands

Photograph # 5
Landfill Top Surface & Drainage Swales: RT. 25 Drain

Photograph # 6
Landfill Top Surface & Drainage Swales: Drainage Swale



Photograph # 7
Landfill Top Surface & Drainage Swales: Gas Extraction Well

Photograph # 8
Landfill Top Surface & Drainage Swales: Landfill Top Surface

LANDMARC
ENVIRONMENTAL
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AND SYSTEMS SPECIALISTS

October 29, 2009
Project No. 0120-137-30.00

Mr. Jim Hitzeroth
Allied Waste North Central Region
Mallard Lake Landfill
26W580 Schick Road
Hanover Park, Illinois 60133

Re: 2nd Quarter Site Inspection 2009
Elgin Landfill
Elgin, Illinois

Dear Mr. Hitzeroth:

Landmarc Environmental Systems, LLC. (Landmarc) is pleased to present the results from the quarterly site inspection conducted on June 18, 2009, at the Elgin Landfill located in Elgin, Illinois.

Attached is the quarterly site inspection observations and results. The gas monitoring was completed at the same time as the site inspection.

We trust this information meets with your requirements in this matter. If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,
Landmarc Environmetal Systems, LLC.

Andrew Sirota
Engineering Technician

Dan Sawyer
Project Manger

cc: John V. Fagiolo, U.S. EPA

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October 29, 2009
Project No. 0120-137-30.00

Mr. Jim Hitzeroth
Allied Waste North Central Region
Mallard Lake Landfill
26W580 Schick Road
Hanover Park, Illinois 60133

Re: 2nd Quarter Site Inspection 2009
Elgin Landfill
Elgin, Illinois

Dear Mr. Hitzeroth:

Landmarc Environmental Systems, LLC. (Landmarc) is pleased to present the results from the quarterly site inspection conducted on June 18, 2009, at the Elgin Landfill located in Elgin, Illinois.

Attached is the quarterly site inspection observations and results. The gas monitoring was completed at the same time as the site inspection.

We trust this information meets with your requirements in this matter. If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,
Landmarc Environmetal Systems, LLC.

Andrew Sirota
Engineering Technician

Dan Sawyer
Project Manger

cc: John V. Fagiolo, U.S. EPA

ROUTINE SITE INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION DATE: 06/18/2009

Inspector(s) Names: Andrew Sirota

Company: Landmarc Environmental Systems, LLC.

Weather Conditions: Partly Cloudy and Warm.

General Site Conditions: A little muddy in some areas.
(e.g., muddy, dusty, etc.)

Inspection Item
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks
Notes: (1) Gate and Access Parking Area -Good. (2) Perimeter Fencing – Fair, A section of the east fence is falling down. (3) Signs -Good (4) All Site Gates, Probes and Sump have Locks in place.
See Photo: 1
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter North Slope
Notes: (1) Vegetation Growth Remains Good (2) Slope Rock Toe in Good Condition. (3) Small Gullies Previously Observed have not worsened and are well vegetated.
See Photo: 1
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter West Slope
Notes: (1) Vegetation Growth Remains good (2) Slope, West Ditch and area along fence well vegetated. (3) Good vegetation is established. Ditch unblocked
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope
Notes: (1) Vegetation growth good (2) Tension crack approximately 70-ft looks to have stabilized. A geonet remains in place over the slope area by WM to help improve long term vegetation stability
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

ROUTINE SITE INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

Inspection Item (check when complete)				
☒ Upper Storm water Pond Notes: (1) Pond was half full. (2) Vegetation remains strong (3) Pond drainage outlet clear of any blockage (4) Upper pond East and West slopes vegetated and stable				See Photos: 2, 4
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action
☒ Lower Storm water Pond and Discharge Notes: (1) Good vegetation growth around the wetland and pond area. Vegetation on the drainage ditches for the pond appears stable. (2) Water in pond at drain level. (3) Riprap at inlet channels appear in good condition.	(4) Discharge pipe and Rt. 25 Box culvert unblocked.			See Photos: 3, 7
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action
☒ Landfill Top Surfaces and Drainage Swales Notes: (1)Vegetation growth stable (2) No significant erosion noted. Previous noted erosion gullies along NW swale are stable and well vegetated. (3) No signs of damage, vandalism or unauthorized entry at the Landfill.	☐ OTHER			See Photos: 5, 6, 8
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action

GAS SYSTEM INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION TYPE: (Circle) (Quarterly)/Monthly **INSPECTION DATE: 06/18/09**

Inspector(s) Names: Andrew Sirota

Company: Landmarc Environmental Systems, LLC.

Weather Conditions: Warm and Humid.

General Site Conditions: A little muddy in some ares.
(e.g., muddy, dusty, etc.)

Inspection Item
(check when complete)

☑ Condensate Knock-Out/Lift Station (KSE01)

Notes:

(1) Condensate Level: _____ ft. (2) Condensate Volume: _____ ft^3 (3) Valves: Air - Open Y/N Y
Discharge - Open Y/N Y
Isolation - Open Y/N Y

(4) Air Pressure Reading: 30 psi (5) Electrical: Meter OK Y/N Y
Outlet Power OK Y/N Y
Heat Tracing OK Y/N Y (6) Pump: Manual On/(Off) Check OK Y/N Y

(8) Other See "Other Notes" _____ _____ (7)Pump Cycle Reading 2200

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ Monitoring Control Stations

	MCE01	MCE02
% Methane	0.0	0.0
% Oxygen	20.4	19.7
% Carbon Dioxide	0.0	0.1

MCE01 (Southeast Tie-in)
Valves: 2-in Air - Open Y/N Y
2-in Discharge - Open Y/N Y
6-in Gas Header - Valve Setting Open
Other: _____

MCE02 (Southwest Tie-in)
Valve:
6-in Gas Header - Valve Setting Open
Other: _____

Overall Condition: ☑Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ East LFG Well System (GWE 01 thru GWE13) Remember Close Sample Ports and Reattach Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	-0.7	-0.6	-0.4	-0.3	-0.2	-0.2	-0.2	- 0.3	-0.2	-0.2	-0.2	-0.5	-0.3	-0.4
Header Pressure	-1.56	-1.5	-1.51	-1.29	-1.24	-1.08	-1.26	-1.23	-1.16	-1.36	-1.2	-1.65	-1.22	-1.37
Differential Press.	-0.022	-0.043	-0.036	-0.015	-0.026	-0.036	-0.041	-0.036	-0.044	-0.02	-0.034	0.114	-0.046	-0.047
LFG Temperature	75	74	75	73	76	74	75	76	72	71	73	75	76	77
LFG Flow	0	1	0	5	1	2	1	3	0	2	0	3	2	2
% Methane	29.6	20.8	0.0	11.8	1.9	15.2	12.9	11.4	0.0	17.0	0.1	24.1	26.1	24.6
% Oxygen	0.5	0.2	13.6	0.5	0.7	2.4	3.4	0.2	5.8	0.4	0.2	1.5	3.5	1.4
% Carbon Dioxide	17.7	16.5	5.1	17.5	18.0	13.6	13.2	16.7	13.0	11.5	19.7	13.6	14.6	12.7
Valve Setting			Closed						Closed	Closed	Closed			
Other														
Other														

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes:

GAS SYSTEM INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION TYPE: (Circle) (Quarterly)/Monthly **INSPECTION DATE: 06/18/09**

Inspection Item
(check when complete)

☑ East LFG Extraction Well System (GWE 14 thru GWE19) Remember Close Sample Ports and Reattach Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	-0.2	-0.3	-0.2	-0.3	-0.2
Header Static Pressure	-0.63	-1.53	-0.7	-0.69	-0.67
Differential Pressure	1.895	-0.024	-0.02	-0.029	-0.048
LFG Temperature	75	73	76	75	74
LFG Flow	4	0	5	4	2
% Methane	43.7	1.9	10.7	18.0	32.6
% Oxygen	1.0	1.4	2.1	0.4	0.1
% Carbon Dioxide	17.1	10.6	16.9	16.9	26.4
Valve Setting					
Other					
Other					

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ Cleanouts Located at LFG Wells GWE14, GWE19, and Three (3) Cleanouts Near KSE01.

Notes:

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.6	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y
Other					

Notes:

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

By:	**Andrew Sirota**	Subject:	**2009 Quarterly Inspection**	Sheet No:	**1 of 4**
Date:	**06/18/2009**		**Elgin Landfill, Elgin, IL**	Job No:	**0120137-30**

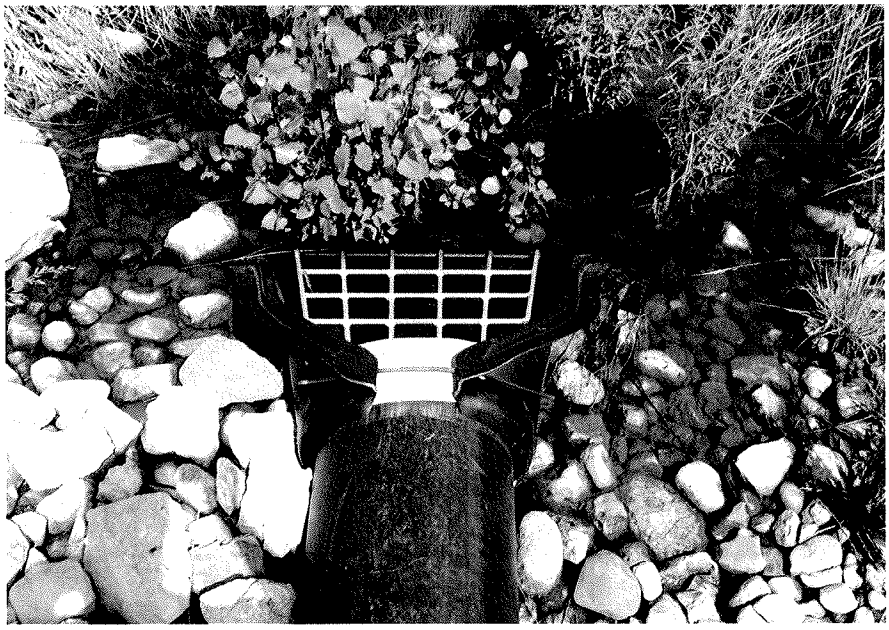
Photograph # 1

General Assessment:
Perimeter Fencing
East Slope

Photograph # 2

Upper Storm Water
Pond: Wetlands

Photograph # 3
Lower Storm Water Pond: Wetlands



Photograph # 4
Landfill Top Surface & Drainage Swales: Upper Basin Drain

Photograph # 5
Landfill Top Surface & Drainage Swales: Drainage Swale

Photograph # 6
Landfill Top Vegetative Cover Surface & Drainage Swales: Landfill Top Surface

Photograph # 7
Landfill Top Surface & Drainage Swales: Water Level In Lower Basin

Photograph # 8
Landfill Top Surface & Drainage Swales: MCE02

LANDMARC
ENVIRONMENTAL
SYSTEMS
LLC
ENVIRONMENTAL CONSTRUCTION
AND SYSTEMS SPECIALISTS

October 29, 2009
Project No. 0120-137-30.00

Mr. Jim Hitzeroth
Allied Waste North Central Region
Mallard Lake Landfill
26W580 Schick Road
Hanover Park, Illinois 60133

Re: 3rd Quarter Site Inspection 2009
Elgin Landfill
Elgin, Illinois

Dear Mr. Hitzeroth:

Landmarc Environmental Systems, LLC. (Landmarc) is pleased to present the results from the quarterly site inspection conducted on September 28, 2009, at the Elgin Landfill located in Elgin, Illinois.

Attached is the quarterly site inspection observations and results. The gas monitoring was completed at the same time as the site inspection.

We trust this information meets with your requirements in this matter. If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,
Landmarc Environmetal Systems, LLC.

Andrew Sirota
Engineering Technician

Dan Sawyer
Project Manger

cc: John V. Fagiolo, U.S. EPA

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ROUTINE SITE INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION DATE: 09/28/2009

Inspector(s) Names: Andrew Sirota

Company: Landmarc Environmental Systems, LLC.

Weather Conditions: Partly Cloudy and Warm.

General Site Conditions: A little muddy in some areas.
(e.g., muddy, dusty, etc.)

Inspection Item
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks
Notes: (1) Gate and Access Parking Area -Good. (2) Perimeter Fencing – Fair, A section of the east fence needs repair. (3) Signs -Good (4) All Site Gates, Probes and Sump have Locks in place. See Photo: 1
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter North Slope
Notes: (1) Vegetation Growth Remains Good (2) Slope Rock Toe in Good Condition. (3) Small Gullies Previously Observed have not worsened and are well vegetated.
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter West Slope See Photo: 2
Notes: (1) Vegetation Growth Remains good (2) Slope, West Ditch and area along fence well vegetated. (3) Good vegetation is established. Ditch unblocked
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope
Notes: (1) Vegetation growth good (2) Tension crack approximately 70-ft looks to have stabilized. A geonet remains in place over the slope area by WM to help improve long term vegetation stability
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Inspection Item (check when complete)				
☒ Upper Storm water Pond Notes: (1) Pond was half full. (2) Vegetation remains strong (3) Pond drainage outlet clear of any blockage (4) Upper pond East and West slopes vegetated and stable				See Photo: 3
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action
☒ Lower Storm water Pond and Discharge Notes: (1) Good vegetation growth around the wetland and pond area. Vegetation on the drainage ditches for the pond appears stable. (2) Water in pond at drain level. (3) Riprap at inlet channels appear in good condition.	(4) Discharge pipe and Rt. 25 Box culvert unblocked.			See Photos: 4, 5
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action
☒ Landfill Top Surfaces and Drainage Swales Notes: (1)Vegetation growth stable (2) No significant erosion noted. Previous noted erosion gullies along NW swale are stable and well vegetated. (3) No signs of damage, vandalism or unauthorized entry at the Landfill. (4) Condensate Knockout/Lift Station. (5) Gas Extraction Well.	☐ OTHER			See Photos: 6, 7, 8, 9
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action

GAS SYSTEM INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION TYPE: (Circle) (Quarterly)/Monthly **INSPECTION DATE: 09/28/09**

Inspector(s) Names: Andrew Sirota

Company: Landmarc Environmental Systems, LLC.

Weather Conditions: Cool and Humid.

General Site Conditions: Dry.
(e.g., muddy, dusty, etc.)

Inspection Item
(check when complete)

☑ Condensate Knock-Out/Lift Station (KSE01)

Notes:

(1) Condensate Level: _____ ft.

(2) Condensate Volume: _____ ft^3

(3) Valves: Air - Open Y/N Y
Discharge - Open Y/N Y
Isolation - Open Y/N Y

(4) Air Pressure Reading: 30 psi

(5) Electrical: Meter OK Y/N Y
Outlet Power OK Y/N Y
Heat Tracing OK Y/N Y

(6) Pump: Manual On/(Off) Check OK Y/N Y

(7) Pump Cycle Reading 2300

(8) Other See "Other Notes" _____

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ Monitoring Control Stations

	MCE01	MCE02
% Methane	34.6	0.0
% Oxygen	0.0	20.7
% Carbon Dioxide	24.8	0.0

MCE01 (Southeast Tie-in)
Valves: 2-in Air - Open Y/N Y
2-in Discharge - Open Y/N Y
6-in Gas Header - Valve Setting Open
Other: _____

MCE02 (Southwest Tie-in)
Valve:
6-in Gas Header - Valve Setting Open
Other: _____

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ East LFG Well System (GWE 01 thru GWE13)

Remember Close Sample Ports and Reattach Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Header Pressure	0.01	-0.1	0.06	0.04	-0.02	0.03	0.08	0.03	0.09	0.2	0.2	0.09	0.12	-0.04
Differential Press.	-0.019	0.025	0.007	0.027	0.024	-0.007	0.002	0.033	0.007	0.003	0.017	0.023	-0.004	0.03
LFG Temperature	65	65	65	65	65	65	65	65	65	65	65	65	65	66
LFG Flow	0	1	0	1	1	0	0	1	0	0	1	1	0	1
% Methane	34.5	34.7	0.0	43.8	1.7	0.1	12.9	36.0	0.0	18.5	18.5	25.6	0.0	34.3
% Oxygen	0.0	0.2	18.0	0.3	0.3	19.9	2.0	0.0	8.7	0.3	6.1	2.5	20.2	0.2
% Carbon Dioxide	24.5	24.8	2.1	27.7	18.9	0.3	15.8	27.8	6.4	11.0	13.4	23.6	0.1	24.8
Valve Setting			Closed						Closed	Closed	Closed			
Other														
Other														

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes:

GAS SYSTEM INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION TYPE: (Circle) (Quarterly)/Monthly **INSPECTION DATE: 09/28/09**

Inspection Item
(check when complete)

☑ East LFG Extraction Well System (GWE 14 thru GWE19) Remember Close Sample Ports and Reattach Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.1	0.0	0.0	0.0
Header Static Pressure	0.05	0.0	0.14	0.1	0.02
Differential Pressure	0.0	0.011	-0.002	-0.003	0.005
LFG Temperature	65	65	65	65	65
LFG Flow	0	0	0	0	1
% Methane	3.1	1.0	6.6	13.6	15.9
% Oxygen	3.9	0.1	14.4	6.2	0.2
% Carbon Dioxide	17.9	12.1	7.7	17.2	23.2
Valve Setting					
Other					
Other					

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ Cleanouts Located at LFG Wells GWE14, GWE19, and Three (3) Cleanouts Near KSE01.

Notes:

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.3	0.3	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y
Other					

Notes:

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

By:	Andrew Sirota	Subject:	2009 Quarterly Inspection	Sheet No:	1 of 5
Date:	09/28/2009		Elgin Landfill, Elgin, IL	Job No:	0120137-30

Photograph # 1
General Assessment:
Perimeter Fencing
East Slope

Photograph # 2
Landfill Perimeter:
West Slope

Photograph # 3
Upper Storm Water
Pond: Wetlands

Photograph # 4
Lower Storm Water
Pond: Wetlands

Photograph # 5
Landfill Top Surface & Drainage Swales: Lower Basin Drain

Photograph # 6
Landfill Top Surface & Drainage Swales: Drainage Swale

Photograph # 7
Landfill Top Surface & Drainage Swales: Gas Extraction Well

Photograph # 8
Landfill Top Surface & Drainage Swales: Landfill Top Surface

Photograph # 9

Landfill Lower Surface Condensate Knock-Out/Lift Station (KSE01)

LANDMARC
ENVIRONMENTAL
SYSTEMS
LLC
ENVIRONMENTAL CONSTRUCTION
AND SYSTEMS SPECIALISTS

November 12, 2009
Project No. 0120-137-30.00

Mr. Jim Hitzeroth
Allied Waste North Central Region
Mallard Lake Landfill
26W580 Schick Road
Hanover Park, Illinois 60133

Re: 4th Quarter Site Inspection 2009
Elgin Landfill
Elgin, Illinois

Dear Mr. Hitzeroth:

Landmarc Environmental Systems, LLC. (Landmarc) is pleased to present the results from the quarterly site inspection conducted on Novemeber 11, 2009, at the Elgin Landfill located in Elgin, Illinois.

Attached is the quarterly site inspection observations and results. The gas monitoring was completed at the same time as the site inspection.

We trust this information meets with your requirements in this matter. If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,
Landmarc Environmetal Systems, LLC.

Andrew Sirota
Engineering Technician

Dan Sawyer
Project Manger

cc: John V. Fagiolo, U.S. EPA

1813 North Mill Street, Suite A • Naperville, Illinois 60563 • Phone: (630) 717-4848 • Fax: (630) 717-4850
www.weaverboos.com

GAS SYSTEM INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION TYPE: (Circle) (Quarterly)/Monthly **INSPECTION DATE: 11/11/09**

Inspector(s) Names: Andrew Sirota

Company: Landmarc Environmental Systems, LLC.

Weather Conditions: Cool and Dry.

General Site Conditions: Dry.
(e.g., muddy, dusty, etc.)

Inspection Item
(check when complete)

☑ Condensate Knock-Out/Lift Station (KSE01)

Notes:

(1) Condensate Level: _____ ft. (2) Condensate Volume: _____ ft^3 (3) Valves: Air - Open Y/N Y
Discharge - Open Y/N Y
Isolation - Open Y/N Y

(4) Air Pressure Reading: 30 psi (5) Electrical: Meter OK Y/N Y
Outlet Power OK Y/N Y
Heat Tracing OK Y/N Y (6) Pump: Manual On/(Off) Check OK Y/N Y

(8) Other See "Other Notes" _____ _____ (7)Pump Cycle Reading 2340

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ Monitoring Control Stations

	MCE01	MCE02
% Methane	0.0	0.0
% Oxygen	16.8	20.1
% Carbon Dioxide	0.1	0.0

MCE01 (Southeast Tie-in)
Valves: 2-in Air - Open Y/N Y
2-in Discharge - Open Y/N Y
6-in Gas Header - Valve Setting Open
Other: _____

MCE02 (Southwest Tie-in)
Valve:
6-in Gas Header - Valve Setting Open
Other: _____

Overall Condition: ☑Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ East LFG Well System (GWE 01 thru GWE13) Remember Close Sample Ports and Reattach Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	-0.1	0	0.0	-0.2	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1
Header Pressure	-0.72	-0.65	-0.73	-0.61	-0.51	-0.52	-0.62	-0.63	-0.56	-0.66	-0.58	-0.73	-0.52	-0.59
Differential Press.	1.171	-1.211	-1.252	-1.122	-1.239	-1.255	-1.251	-1.24	-1.259	-1.295	-1.262	-1.237	-1.273	-1.263
LFG Temperature	50	50	50	50	50	51	49	50	51	52	53	50	52	53
LFG Flow	9	1	0	1	1	0	0	1	0	0	1	1	0	1
% Methane	29.4	17.6	0.0	15.0	3.6	1.5	15.7	10.1	0.0	14.7	17.3	16.2	0.0	24.9
% Oxygen	0.3	0.0	13.9	0.0	1	12.1	0.6	0.0	15.2	0.7	7.3	0.1	18.9	0.0
% Carbon Dioxide	19.6	17.0	5.3	18.8	18	6.6	17.4	18.6	5.6	12.4	12.0	14.9	0.7	15.7
Valve Setting			Closed						Closed	Closed	Closed			
Other														
Other														

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes:

GAS SYSTEM INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION TYPE: (Circle) (Quarterly)/Monthly **INSPECTION DATE: 11/11/09**

Inspection Item
(check when complete)

☑ East LFG Extraction Well System (GWE 14 thru GWE19) Remember Close Sample Ports and Reattach Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.1	0.0	0.1	0.0
Header Static Pressure	-0.34	0.0	-0.14	-0.14	-0.3
Differential Pressure	-1.225	-1.211	-1.248	-1.24	-1.249
LFG Temperature	50	51	53	51	52
LFG Flow	0	0	0.1	0.2	0.1
% Methane	29.3	11.0	8.3	15.9	15.7
% Oxygen	0.0	0.1	0.0	0.0	3.4
% Carbon Dioxide	17.2	15.1	17.2	14.0	19.1
Valve Setting					
Other					
Other					

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ Cleanouts Located at LFG Wells GWE14, GWE19, and Three (3) Cleanouts Near KSE01.

Notes:

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☑ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y
Other					

Notes:

Overall Condition: ☑ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

ROUTINE SITE INSPECTION CHECKLIST
ELGIN LANDFILL SUPERFUND SITE
KANE COUNTY, ILLINOIS

INSPECTION DATE: 11/11/2009

Inspector(s) Names: Andrew Sirota

Company: Landmarc Environmental Systems, LLC.

Weather Conditions: Clear and Cool.

General Site Conditions: A little muddy in some areas, but otherwise dry.
(e.g., muddy, dusty, etc.)

Inspection Item
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks
Notes: (1) Gate and Access Parking Area -Good.
(2) Perimeter Fencing – Fair, A section of the east fence needs repair.
(3) Signs -Good
(4) All Site Gates, Probes and Sump have Locks in place.
See Photo: 1
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter North Slope
Notes: (1) Vegetation Growth Remains Good
(2) Slope Rock Toe in Good Condition.
(3) Small Gullies Previously Observed have not worsened and are well vegetated.
See Photo: 2
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

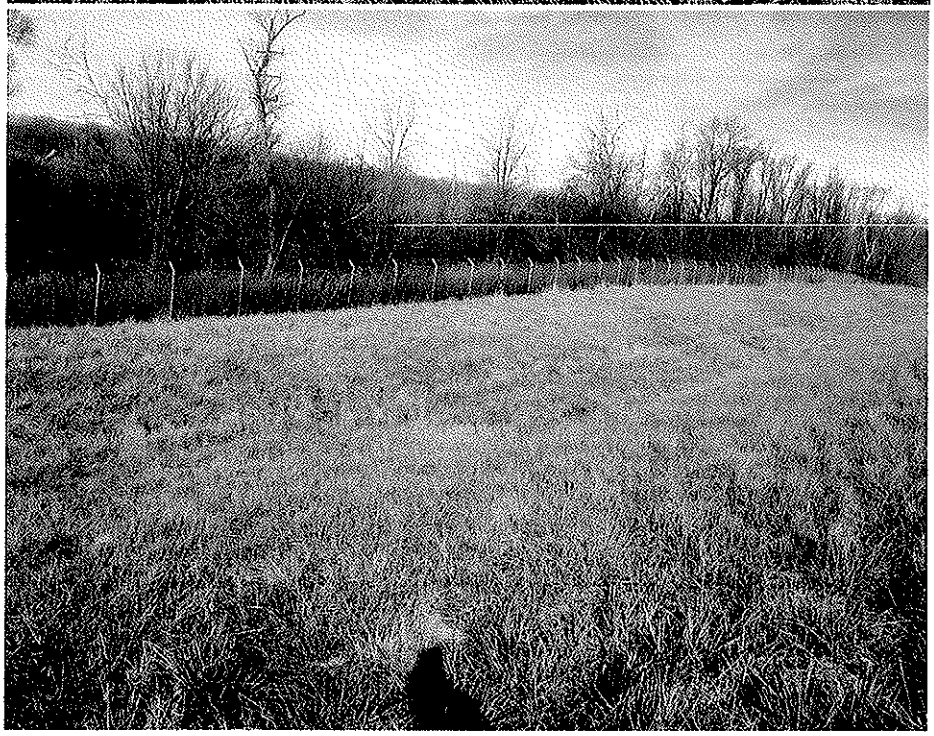
☒ Landfill Perimeter West Slope
Notes: (1) Vegetation Growth Remains good
(2) Slope, West Ditch and area along fence well vegetated.
(3) Good vegetation is established. Ditch unblocked
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope
Notes: (1) Vegetation growth good (2) Tension crack approximately 70-ft looks to have stabilized. A geonet remains in place over the slope area by WM to help improve long term vegetation stability
See Photo: 3
Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Inspection Item (check when complete)				
☒ Upper Storm water Pond Notes: (1) water in pond at drain level. (2) Vegetation remains strong (3) Pond drainage outlet clear of any blockage (4) Upper pond East and West slopes vegetated and stable				See Photo: 4, 7
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action
☒ Lower Storm water Pond and Discharge Notes: (1) Good vegetation growth around the wetland and pond area. Vegetation on the drainage ditches for the pond appears stable. (2) Water in pond at drain level. (3) Riprap at inlet channels appear in good condition.	(4) Discharge pipe and Rt. 25 Box culvert unblocked.			See Photos: 5, 6
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action
☒ Landfill Top Surfaces and Drainage Swales Notes: (1)Vegetation growth stable (2) No significant erosion noted. Previous noted erosion gullies along NW swale are stable and well vegetated. (3) No signs of damage, vandalism or unauthorized entry at the Landfill. (4) Condensate Knockout/Lift Station. (5) Gas Extraction Well.	☐ OTHER			See Photos: 6, 7, 8, 9, 10
Overall Condition:	☒Good	☐ Fair	☐ Poor	☐ Critical – Take Immediate Action

By:	Andrew Sirota	Subject:	2009 Quarterly Inspection	Sheet No:	1 of 5
Date:	11/11/2009		Elgin Landfill, Elgin, IL	Job No:	0120137-30

Photograph # 1
General Assessment:
Perimeter Fencing
East Slope



Photograph # 2
Landfill Perimeter:
Perimeter Fencing
North Slope

Photograph # 3
General Assesment:
Perimeter Fencing
South Slope

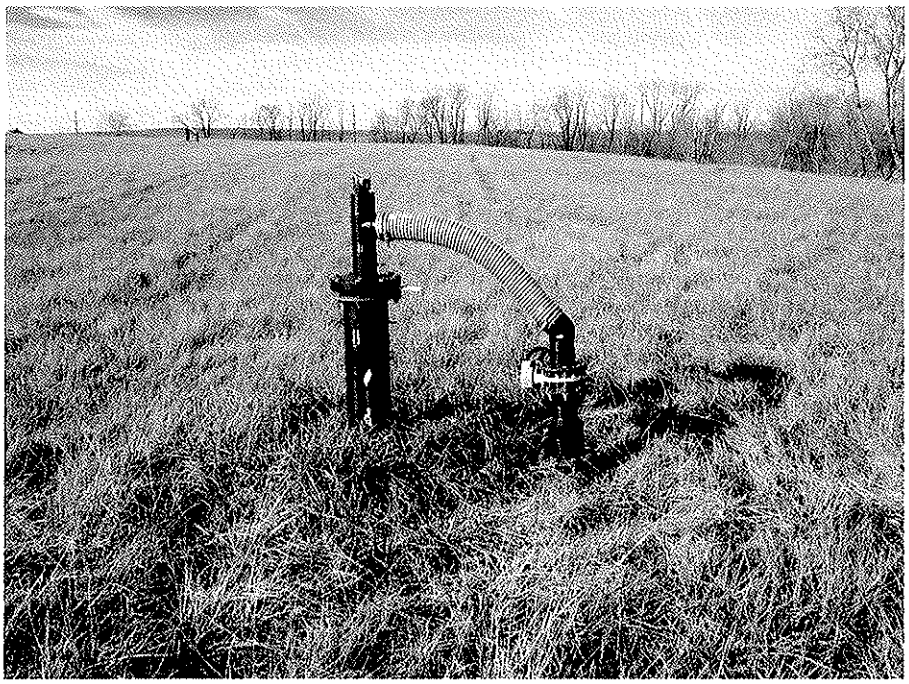
Photograph # 4
Upper Storm Water
Pond: Wetlands at Drain
Level

Photograph # 5
Lower Storm Water
Pond: Wetlands

Photograph # 6
Landfill Top Surface &
Drainage Swales:
Lower Drianage Basin

Photograph # 7

Landfill Top Surface & Drainage Swales: Upper Drainage Basin/Swale



Photograph # 8

Gas Extraction Well: Well 11

Photograph # 9
Landfill Lower Surface Condensate Knock-Out/Lift Station (KSE01)

Photograph # 10
Landfill Gas Perimeter Probe: Gas Probe #2

APPENDIX D

Summary Tables – 2009 Laboratory and Field Groundwater Monitoring Data

Appendix D
Tri-County Landfill
Shallow Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G135	06/11/2009	Alkalinity, Total	408	10.0		MG/L		
G135	06/11/2009	Chloride	34	1.0		MG/L		200
G135	06/11/2009	Nitrate	0.14	0.05		MG/L	10	10
G135	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
G135	06/11/2009	Sulfate	91	1.0		MG/L		400
G135	06/11/2009	Sulfide	1000000	1000000	U	UG/L		
G135	06/11/2009	Total Dissolved Solids	585	10.0		MG/L		1200
G135	06/11/2009	Total Organic Carbon	3	1.0		MG/L		
G135	06/11/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW1S	06/11/2009	Alkalinity, Total	442	10.0		MG/L		
MW1S	06/11/2009	Chloride	66	2.5	D02	MG/L		200
MW1S	06/11/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW1S	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW1S	06/11/2009	Sulfate	12	5.0	D02	MG/L		400
MW1S	06/11/2009	Sulfide	1000000	1000000	U	UG/L		
MW1S	06/11/2009	Total Dissolved Solids	576	10.0		MG/L		1200
MW1S	06/11/2009	Total Organic Carbon	4.2	1.0		MG/L		
MW1S	06/11/2009	Total Suspended Solids	5.6	4.0		MG/L		
MW2SR	06/09/2009	Alkalinity, Total	340	10.0		MG/L		
MW2SR	06/09/2009	Chloride	30	1.0	D04	MG/L		200
MW2SR	06/09/2009	Nitrate	1.95	0.05		MG/L	10	10
MW2SR	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW2SR	06/09/2009	Sulfate	180	2.0	D08	MG/L		400
MW2SR	06/09/2009	Sulfide	1000	1000	U	UG/L		
MW2SR	06/09/2009	Total Dissolved Solids	704	10.0		MG/L		1200
MW2SR	06/09/2009	Total Organic Carbon	1	1.0	U	MG/L		
MW2SR	06/09/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW2SR	06/09/2009	Aluminum	0.04	0.040		MG/L		
MW2SR	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW2SR	06/09/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW2SR	06/09/2009	Barium	0.0467	0.0050		MG/L	2	2
MW2SR	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW2SR	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW2SR	06/09/2009	Calcium	139	0.1		MG/L		
MW2SR	06/09/2009	Chromium	0.0129	0.0030		MG/L	0.1	0.1
MW2SR	06/09/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW2SR	06/09/2009	Copper	0.0053	0.0040		MG/L	1.3	0.65
MW2SR	06/09/2009	Iron	0.112	0.060		MG/L		5
MW2SR	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075

Appendix D
Tri-County Landfill
Shallow Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW2SR	06/09/2009	Magnesium	44	0.050		MG/L		
MW2SR	06/09/2009	Manganese	0.036	0.0010		MG/L		0.15
MW2SR	06/09/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW2SR	06/09/2009	Nickel	0.0137	0.0040		MG/L		0.1
MW2SR	06/09/2009	Potassium	4.94	0.150		MG/L		
MW2SR	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW2SR	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW2SR	06/09/2009	Sodium	19.5	1.0		MG/L		
MW2SR	06/09/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW2SR	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW2SR	06/09/2009	Vanadium	0.003	0.0030	U	MG/L		
MW2SR	06/09/2009	Zinc	0.005	0.0050	U	MG/L		5
MW2SR	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW2SR	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW2SR	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW2SR	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW2SR	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW2SR	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW2SR	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW2SR	06/09/2009	2-Butanone	10	10	U	UG/L		
MW2SR	06/09/2009	2-Hexanone	10	10	U	UG/L		
MW2SR	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW2SR	06/09/2009	Acetone	10	10	U	UG/L		
MW2SR	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
MW2SR	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW2SR	06/09/2009	Bromoform	1	1.0	U	UG/L		
MW2SR	06/09/2009	Bromomethane	1	1.0	U	UG/L		
MW2SR	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
MW2SR	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW2SR	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW2SR	06/09/2009	Chloroethane	1	1.0	U	UG/L		
MW2SR	06/09/2009	Chloroform	1	1.0	U	UG/L		
MW2SR	06/09/2009	Chloromethane	1	1.0	U	UG/L		
MW2SR	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW2SR	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW2SR	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW2SR	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW2SR	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW2SR	06/09/2009	Styrene	1	1.0	U	UG/L	100	100

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MW2SR	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW2SR	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW2SR	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW2SR	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW2SR	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW2SR	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW2SR	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW5SR	06/11/2009	Alkalinity, Total	284	10.0		MG/L		
MW5SR	06/11/2009	Chloride	11	1.0	D02	MG/L		200
MW5SR	06/11/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW5SR	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW5SR	06/11/2009	Sulfate	29	2.0	D02	MG/L		400
MW5SR	06/11/2009	Sulfide	1000	1000	U	UG/L		
MW5SR	06/11/2009	Total Dissolved Solids	327	10.0		MG/L		1200
MW5SR	06/11/2009	Total Organic Carbon	3.5	1.0		MG/L		
MW5SR	06/11/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW5SR	06/11/2009	Aluminum	0.04	0.040		MG/L		
MW5SR	06/11/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW5SR	06/11/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW5SR	06/11/2009	Barium	0.0426	0.0050		MG/L	2	2
MW5SR	06/11/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW5SR	06/11/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW5SR	06/11/2009	Calcium	69.5	0.1		MG/L		
MW5SR	06/11/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
MW5SR	06/11/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW5SR	06/11/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW5SR	06/11/2009	Iron	1.45	0.060		MG/L		5
MW5SR	06/11/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW5SR	06/11/2009	Magnesium	23.4	0.050		MG/L		
MW5SR	**06/11/2009**	**Manganese**	**0.387**	**0.0010**		**MG/L**		**0.15**
MW5SR	06/11/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW5SR	06/11/2009	Nickel	0.004	0.0040	U	MG/L		0.1
MW5SR	06/11/2009	Potassium	2.52	0.150		MG/L		
MW5SR	06/11/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW5SR	06/11/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW5SR	06/11/2009	Sodium	19.5	1.0		MG/L		
MW5SR	06/11/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW5SR	06/11/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW5SR	06/11/2009	Vanadium	0.003	0.0030	U	MG/L		

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MW5SR	06/11/2009	Zinc	0.005	0.0050	U	MG/L		5
MW5SR	06/11/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW5SR	06/11/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW5SR	06/11/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW5SR	06/11/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW5SR	06/11/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW5SR	06/11/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW5SR	06/11/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW5SR	06/11/2009	2-Butanone	10	10	U	UG/L		
MW5SR	06/11/2009	2-Hexanone	10	10	U	UG/L		
MW5SR	06/11/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW5SR	06/11/2009	Acetone	10	10	U	UG/L		
MW5SR	06/11/2009	Benzene	1	1.0	U	UG/L	5	5
MW5SR	06/11/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW5SR	06/11/2009	Bromoform	1	1.0	U	UG/L		
MW5SR	06/11/2009	Bromomethane	1	1.0	U	UG/L		
MW5SR	06/11/2009	Carbon disulfide	5	5.0	U	UG/L		
MW5SR	06/11/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW5SR	06/11/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW5SR	06/11/2009	Chloroethane	1	1.0	U	UG/L		
MW5SR	06/11/2009	Chloroform	1	1.0	U	UG/L		
MW5SR	06/11/2009	Chloromethane	1	1.0	U	UG/L		
MW5SR	06/11/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW5SR	06/11/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW5SR	06/11/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW5SR	06/11/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW5SR	06/11/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW5SR	06/11/2009	Styrene	1	1.0	U	UG/L	100	100
MW5SR	06/11/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW5SR	06/11/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW5SR	06/11/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW5SR	06/11/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW5SR	06/11/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW5SR	06/11/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW5SR	06/11/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW6S	06/10/2009	Alkalinity, Total	440	10.0		MG/L		
MW6S	**06/10/2009**	**Chloride**	**200**	**2.5**	**D08**	**MG/L**		**200**
MW6S	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW6S	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	

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MW6S	06/10/2009	Sulfate	39	5.0	D04	MG/L		400
MW6S	06/10/2009	Sulfide	1000	1000	U	UG/L		
MW6S	06/10/2009	Total Dissolved Solids	751	10.0		MG/L		1200
MW6S	06/10/2009	Total Organic Carbon	6.3	1.0		MG/L		
MW6S	06/10/2009	Total Suspended Solids	12.8	4.0		MG/L		
MW6S	06/10/2009	Aluminum	0.042	0.030	B	MG/L		
MW6S	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW6S	06/10/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW6S	06/10/2009	Barium	0.131	0.0050		MG/L	2	2
MW6S	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW6S	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW6S	06/10/2009	Calcium	116	0.04	B	MG/L		
MW6S	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
MW6S	06/10/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW6S	06/10/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW6S	**06/10/2009**	**Iron**	**9.43**	**0.060**	**B1, B**	**MG/L**		**5**
MW6S	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW6S	06/10/2009	Magnesium	40.2	0.050		MG/L		
MW6S	**06/10/2009**	**Manganese**	**0.211**	**0.0010**		**MG/L**		**0.15**
MW6S	06/10/2009	Mercury	0.004	0.0040	U	MG/L	0.002	0.002
MW6S	06/10/2009	Nickel	0.004	0.0040	U	MG/L		0.1
MW6S	06/10/2009	Potassium	12.7	0.150		MG/L		
MW6S	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW6S	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW6S	06/10/2009	Sodium	127	1.0		MG/L		
MW6S	06/10/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW6S	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW6S	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		
MW6S	06/10/2009	Zinc	0.005	0.0050	U	MG/L		5
MW6S	06/10/2009	1,2,4-Trichlorobenzene	9.5	9.5	U	UG/L	70	70
MW6S	06/10/2009	1,2-Dichlorobenzene	9.5	9.5	U	UG/L	600	600
MW6S	06/10/2009	1,3-Dichlorobenzene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	1,4-Dichlorobenzene	9.5	9.5	U	UG/L	75	75
MW6S	06/10/2009	2,2'-Oxybis(1-Chloropropane)	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2,4,5-Trichlorophenol	50	50	U	UG/L		
MW6S	06/10/2009	2,4,6-Trichlorophenol	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2,4-Dichlorophenol	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2,4-Dimethylphenol	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2,4-Dinitrophenol	50	50	U	UG/L		

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MW6S	06/10/2009	2,4-Dinitrotoluene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2,6-Dinitrotoluene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2-Chloronaphthalene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2-Chlorophenol	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2-Methylnaphthalene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2-Methylphenol	9.5	9.5	U	UG/L		
MW6S	06/10/2009	2-Nitroaniline	50	50	U	UG/L		
MW6S	06/10/2009	2-Nitrophenol	9.5	9.5	U	UG/L		
MW6S	06/10/2009	3,3'-Dichlorobenzidine	9.5	9.5	U	UG/L		
MW6S	06/10/2009	3-Nitroaniline	47	47	U	UG/L		
MW6S	06/10/2009	4,6-Dinitro-2-methylphenol	47	47	U	UG/L		
MW6S	06/10/2009	4-Bromophenyl phenyl ether	9.5	9.5	U	UG/L		
MW6S	06/10/2009	4-Chloro-3-methylphenol	9.5	9.5	U	UG/L		
MW6S	06/10/2009	4-Chloroaniline	9.5	9.5	U	UG/L		
MW6S	06/10/2009	4-Chlorophenyl phenyl ether	9.5	9.5	U	UG/L		
MW6S	06/10/2009	4-Methylphenol	9.5	9.5	U	UG/L		
MW6S	06/10/2009	4-Nitroaniline	47	47	U	UG/L		
MW6S	06/10/2009	4-Nitrophenol	47	47	U	UG/L		
MW6S	06/10/2009	Acenaphthene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Acenaphthylene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Anthracene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Benzo(a)anthracene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Benzo(a)pyrene	9.5	9.5	U	UG/L	0.2	0.2
MW6S	06/10/2009	Benzo(b)fluoranthene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Benzo(ghi)perylene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Benzo(k)fluoranthene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Bis(2-chloroethoxy)methane	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Bis(2-chloroethyl)ether	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Bis(2-ethylhexyl) phthalate	9.5	9.5	U	UG/L	6	6
MW6S	06/10/2009	Butyl benzyl phthalate	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Carbazole	10	10	U	UG/L		
MW6S	06/10/2009	Chrysene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Dibenzo(a,h)anthracene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Dibenzofuran	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Diethyl phthalate	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Dimethyl phthalate	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Di-n-butyl phthalate	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Di-n-octyl phthalate	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Fluoranthene	9.5	9.5	U	UG/L		

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MW6S	06/10/2009	Fluorene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Hexachlorobenzene	9.5	9.5	U	UG/L	1	
MW6S	06/10/2009	Hexachlorobutadiene	40	40	U	UG/L		
MW6S	06/10/2009	Hexachlorocyclopentadiene	24	24	U	UG/L	50	50
MW6S	06/10/2009	Hexachloroethane	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Indeno(1,2,3-cd)pyrene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Isophorone	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Naphthalene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Nitrobenzene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	N-Nitrosodi-n-propylamine	9.5	9.5	U	UG/L		
MW6S	06/10/2009	N-Nitrosodiphenylamine	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Pentachlorophenol	47	47	U	UG/L	1	1
MW6S	06/10/2009	Phenanthrene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	Phenol	9.5	9.5	U	UG/L		100
MW6S	06/10/2009	Pyrene	9.5	9.5	U	UG/L		
MW6S	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW6S	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW6S	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW6S	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW6S	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW6S	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW6S	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW6S	06/10/2009	2-Butanone	10	10	U	UG/L		
MW6S	06/10/2009	2-Hexanone	10	10	U	UG/L		
MW6S	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW6S	06/10/2009	Acetone	10	10	U	UG/L		
MW6S	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
MW6S	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW6S	06/10/2009	Bromoform	1	1.0	U	UG/L		
MW6S	06/10/2009	Bromomethane	1	1.0	U	UG/L		
MW6S	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
MW6S	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW6S	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW6S	06/10/2009	Chloroethane	1	1.0	U	UG/L		
MW6S	06/10/2009	Chloroform	1	1.0	U	UG/L		
MW6S	06/10/2009	Chloromethane	1	1.0	U	UG/L		
MW6S	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW6S	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW6S	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		

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MW6S	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW6S	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW6S	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
MW6S	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW6S	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW6S	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW6S	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW6S	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW6S	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW6S	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW10S	06/11/2009	Alkalinity, Total	315	10.0		MG/L		
MW10S	06/11/2009	Chloride	14	1.0	D04	MG/L		200
MW10S	06/11/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW10S	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW10S	06/11/2009	Sulfate	120	2.0	D08	MG/L		400
MW10S	06/11/2009	Sulfide	1000	1000	U	UG/L		
MW10S	06/11/2009	Total Dissolved Solids	499	10.0		MG/L		1200
MW10S	06/11/2009	Total Organic Carbon	1	1.0	U	MG/L		
MW10S	06/11/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW10S	06/11/2009	Aluminum	0.047	0.040		MG/L		
MW10S	06/11/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW10S	06/11/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW10S	06/11/2009	Barium	0.0435	0.0050		MG/L	2	2
MW10S	06/11/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW10S	06/11/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW10S	06/11/2009	Calcium	104	0.1		MG/L		
MW10S	06/11/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
MW10S	06/11/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW10S	06/11/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW10S	06/11/2009	Iron	0.06	0.060	U	MG/L		5
MW10S	06/11/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW10S	06/11/2009	Magnesium	46.6	0.050		MG/L		
MW10S	06/11/2009	Manganese	0.0156	0.0010		MG/L		0.15
MW10S	06/11/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW10S	06/11/2009	Nickel	0.004	0.0040	U	MG/L		0.1
MW10S	06/11/2009	Potassium	1.19	0.150		MG/L		
MW10S	06/11/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW10S	06/11/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW10S	06/11/2009	Sodium	7.7	1.0		MG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW10S	06/11/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW10S	06/11/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW10S	06/11/2009	Vanadium	0.003	0.0030	U	MG/L		
MW10S	06/11/2009	Zinc	0.005	0.0050	U	MG/L		5
MW10S	06/11/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW10S	06/11/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW10S	06/11/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW10S	06/11/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW10S	06/11/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW10S	06/11/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW10S	06/11/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW10S	06/11/2009	2-Butanone	10	10	U	UG/L		
MW10S	06/11/2009	2-Hexanone	10	10	U	UG/L		
MW10S	06/11/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW10S	06/11/2009	Acetone	10	10	U	UG/L		
MW10S	06/11/2009	Benzene	1	1.0	U	UG/L	5	5
MW10S	06/11/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW10S	06/11/2009	Bromoform	1	1.0	U	UG/L		
MW10S	06/11/2009	Bromomethane	1	1.0	U	UG/L		
MW10S	06/11/2009	Carbon disulfide	5	5.0	U	UG/L		
MW10S	06/11/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW10S	06/11/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW10S	06/11/2009	Chloroethane	1	1.0	U	UG/L		
MW10S	06/11/2009	Chloroform	1	1.0	U	UG/L		
MW10S	06/11/2009	Chloromethane	1	1.0	U	UG/L		
MW10S	06/11/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW10S	06/11/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW10S	06/11/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW10S	06/11/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW10S	06/11/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW10S	06/11/2009	Styrene	1	1.0	U	UG/L	100	100
MW10S	06/11/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW10S	06/11/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW10S	06/11/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW10S	06/11/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW10S	06/11/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW10S	06/11/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW10S	06/11/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW12SR	06/09/2009	Alkalinity, Total	305	10.0		MG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW12SR	06/09/2009	Chloride	13	1.0		MG/L		200
MW12SR	06/09/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW12SR	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW12SR	06/09/2009	Sulfate	36	1.0		MG/L		400
MW12SR	06/09/2009	Sulfide	1000	1000	U	UG/L		
MW12SR	06/09/2009	Total Dissolved Solids	380	10.0		MG/L		1200
MW12SR	06/09/2009	Total Organic Carbon	3.1	1.0		MG/L		
MW12SR	06/09/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW12SR	06/09/2009	Aluminum	0.03	0.030	U	MG/L		
MW12SR	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW12SR	06/09/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW12SR	06/09/2009	Barium	0.0567	0.0050		MG/L	2	2
MW12SR	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW12SR	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW12SR	06/09/2009	Calcium	75.3	0.04		MG/L		
MW12SR	06/09/2009	Chromium	0.007	0.0030		MG/L	0.1	0.1
MW12SR	06/09/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW12SR	06/09/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW12SR	06/09/2009	Iron	2.88	0.060		MG/L		5
MW12SR	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW12SR	06/09/2009	Magnesium	27.5	0.050		MG/L		
MW12SR	**06/09/2009**	**Manganese**	**0.359**	**0.0010**		**MG/L**		**0.15**
MW12SR	06/09/2009	Mercury	0.004	0.0040	U	MG/L	0.002	0.002
MW12SR	06/09/2009	Nickel	0.004	0.0040	U	MG/L		0.1
MW12SR	06/09/2009	Potassium	2.56	0.150		MG/L		
MW12SR	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW12SR	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW12SR	06/09/2009	Sodium	16.8	1.0		MG/L		
MW12SR	06/09/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW12SR	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW12SR	06/09/2009	Vanadium	0.003	0.0030	U	MG/L		
MW12SR	06/09/2009	Zinc	0.005	0.0050	U	MG/L		5
MW12SR	06/09/2009	1,2,4-Trichlorobenzene	9.4	9.4	U	UG/L	70	70
MW12SR	06/09/2009	1,2-Dichlorobenzene	9.4	9.4	U	UG/L	600	600
MW12SR	06/09/2009	1,3-Dichlorobenzene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	1,4-Dichlorobenzene	9.4	9.4	U	UG/L	75	75
MW12SR	06/09/2009	2,2'-Oxybis(1-Chloropropane)	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2,4,5-Trichlorophenol	50	50	U	UG/L		
MW12SR	06/09/2009	2,4,6-Trichlorophenol	9.4	9.4	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW12SR	06/09/2009	2,4-Dichlorophenol	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2,4-Dimethylphenol	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2,4-Dinitrophenol	50	50	U	UG/L		
MW12SR	06/09/2009	2,4-Dinitrotoluene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2,6-Dinitrotoluene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2-Chloronaphthalene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2-Chlorophenol	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2-Methylnaphthalene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2-Methylphenol	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	2-Nitroaniline	50	50	U	UG/L		
MW12SR	06/09/2009	2-Nitrophenol	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	3,3'-Dichlorobenzidine	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	3-Nitroaniline	47	47	U	UG/L		
MW12SR	06/09/2009	4,6-Dinitro-2-methylphenol	47	47	U	UG/L		
MW12SR	06/09/2009	4-Bromophenyl phenyl ether	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	4-Chloro-3-methylphenol	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	4-Chloroaniline	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	4-Chlorophenyl phenyl ether	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	4-Methylphenol	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	4-Nitroaniline	47	47	U	UG/L		
MW12SR	06/09/2009	4-Nitrophenol	47	47	U	UG/L		
MW12SR	06/09/2009	Acenaphthene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Acenaphthylene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Anthracene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Benzo(a)anthracene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Benzo(a)pyrene	9.4	9.4	U	UG/L	0.2	0.2
MW12SR	06/09/2009	Benzo(b)fluoranthene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Benzo(ghi)perylene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Benzo(k)fluoranthene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Bis(2-chloroethoxy)methane	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Bis(2-chloroethyl)ether	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Bis(2-ethylhexyl) phthalate	9.4	9.4	U	UG/L	6	6
MW12SR	06/09/2009	Butyl benzyl phthalate	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Carbazole	10	10	U	UG/L		
MW12SR	06/09/2009	Chrysene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Dibenzo(a,h)anthracene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Dibenzofuran	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Diethyl phthalate	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Dimethyl phthalate	9.4	9.4	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW12SR	06/09/2009	Di-n-butyl phthalate	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Di-n-octyl phthalate	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Fluoranthene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Fluorene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Hexachlorobenzene	9.4	9.4	U	UG/L	1	
MW12SR	06/09/2009	Hexachlorobutadiene	40	40	U	UG/L		
MW12SR	06/09/2009	Hexachlorocyclopentadiene	24	24	U	UG/L	50	50
MW12SR	06/09/2009	Hexachloroethane	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Indeno(1,2,3-cd)pyrene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Isophorone	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Naphthalene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Nitrobenzene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	N-Nitrosodi-n-propylamine	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	N-Nitrosodiphenylamine	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Pentachlorophenol	47	47	U, L4	UG/L	1	1
MW12SR	06/09/2009	Phenanthrene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	Phenol	9.4	9.4	U	UG/L		100
MW12SR	06/09/2009	Pyrene	9.4	9.4	U	UG/L		
MW12SR	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW12SR	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW12SR	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW12SR	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW12SR	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW12SR	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW12SR	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW12SR	06/09/2009	2-Butanone	10	10	U	UG/L		
MW12SR	06/09/2009	2-Hexanone	10	10	U	UG/L		
MW12SR	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW12SR	06/09/2009	Acetone	10	10	U	UG/L		
MW12SR	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
MW12SR	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW12SR	06/09/2009	Bromoform	1	1.0	U	UG/L		
MW12SR	06/09/2009	Bromomethane	1	1.0	U	UG/L		
MW12SR	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
MW12SR	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW12SR	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW12SR	06/09/2009	Chloroethane	1	1.0	U	UG/L		
MW12SR	06/09/2009	Chloroform	1	1.0	U	UG/L		
MW12SR	06/09/2009	Chloromethane	1	1.0	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW12SR	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW12SR	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW12SR	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW12SR	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW12SR	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW12SR	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
MW12SR	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW12SR	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW12SR	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW12SR	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW12SR	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW12SR	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW12SR	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW25S	06/11/2009	Alkalinity, Total	416	10.0		MG/L		
MW25S	06/11/2009	Chloride	53	1.0	D04	MG/L		200
MW25S	06/11/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW25S	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW25S	06/11/2009	Sulfate	96	2.0	D08	MG/L		400
MW25S	06/11/2009	Sulfide	1000000	1000000	U	UG/L		
MW25S	06/11/2009	Total Dissolved Solids	629	10.0		MG/L		1200
MW25S	06/11/2009	Total Organic Carbon	6	1.0		MG/L		
MW25S	06/11/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW38S	06/11/2009	Alkalinity, Total	277	10.0		MG/L		
MW38S	06/11/2009	Chloride	9.3	1.0		MG/L		200
MW38S	06/11/2009	Nitrate	1.08	0.05		MG/L	10	10
MW38S	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW38S	06/11/2009	Sulfate	10	1.0		MG/L		400
MW38S	06/11/2009	Sulfide	1000	1000	U	UG/L		
MW38S	06/11/2009	Total Dissolved Solids	291	10.0		MG/L		1200
MW38S	06/11/2009	Total Organic Carbon	1	1.0	U	MG/L		
MW38S	06/11/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW38S	06/11/2009	Aluminum	0.04	0.040	U	MG/L		
MW38S	06/11/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW38S	06/11/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW38S	06/11/2009	Barium	0.0725	0.0050		MG/L	2	2
MW38S	06/11/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW38S	06/11/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW38S	06/11/2009	Calcium	67.3	0.1		MG/L		
MW38S	06/11/2009	Chromium	0.0286	0.0030		MG/L	0.1	0.1

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW38S	06/11/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW38S	06/11/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW38S	06/11/2009	Iron	0.381	0.060		MG/L		5
MW38S	06/11/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW38S	06/11/2009	Magnesium	26.8	0.050		MG/L		
MW38S	06/11/2009	Manganese	0.0083	0.0010		MG/L		0.15
MW38S	06/11/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW38S	06/11/2009	Nickel	0.004	0.0040	U	MG/L		0.1
MW38S	06/11/2009	Potassium	2.64	0.150		MG/L		
MW38S	06/11/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW38S	06/11/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW38S	06/11/2009	Sodium	10.3	1.0		MG/L		
MW38S	06/11/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW38S	06/11/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW38S	06/11/2009	Vanadium	0.003	0.0030	U	MG/L		
MW38S	06/11/2009	Zinc	0.005	0.0050	U	MG/L		5
MW38S	06/11/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW38S	06/11/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW38S	06/11/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW38S	06/11/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW38S	06/11/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW38S	06/11/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW38S	06/11/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW38S	06/11/2009	2-Butanone	10	10	U	UG/L		
MW38S	06/11/2009	2-Hexanone	10	10	U	UG/L		
MW38S	06/11/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW38S	06/11/2009	Acetone	10	10	U	UG/L		
MW38S	06/11/2009	Benzene	1	1.0	U	UG/L	5	5
MW38S	06/11/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW38S	06/11/2009	Bromoform	1	1.0	U	UG/L		
MW38S	06/11/2009	Bromomethane	1	1.0	U	UG/L		
MW38S	06/11/2009	Carbon disulfide	5	5.0	U	UG/L		
MW38S	06/11/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW38S	06/11/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW38S	06/11/2009	Chloroethane	1	1.0	U	UG/L		
MW38S	06/11/2009	Chloroform	1	1.0	U	UG/L		
MW38S	06/11/2009	Chloromethane	1	1.0	U	UG/L		
MW38S	06/11/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW38S	06/11/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW38S	06/11/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW38S	06/11/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW38S	06/11/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW38S	06/11/2009	Styrene	1	1.0	U	UG/L	100	100
MW38S	06/11/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW38S	06/11/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW38S	06/11/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW38S	06/11/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW38S	06/11/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW38S	06/11/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW38S	06/11/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW39S	06/11/2009	Alkalinity, Total	421	10.0		MG/L		
MW39S	06/11/2009	Chloride	53	1.0	D02	MG/L		200
MW39S	06/11/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW39S	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW39S	06/11/2009	Sulfate	74	2.0	D02	MG/L		400
MW39S	06/11/2009	Sulfide	1000	1000	U	UG/L		
MW39S	06/11/2009	Total Dissolved Solids	556	10.0		MG/L		1200
MW39S	06/11/2009	Total Organic Carbon	5.6	1.0		MG/L		
MW39S	06/11/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW39S	06/11/2009	Aluminum	0.065	0.040		MG/L		
MW39S	06/11/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW39S	06/11/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW39S	06/11/2009	Barium	0.0868	0.0050		MG/L	2	2
MW39S	06/11/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW39S	06/11/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW39S	06/11/2009	Calcium	95.5	0.1		MG/L		
MW39S	06/11/2009	Chromium	0.0064	0.0030		MG/L	0.1	0.1
MW39S	06/11/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW39S	06/11/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW39S	06/11/2009	Iron	0.634	0.060		MG/L		5
MW39S	06/11/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW39S	06/11/2009	Magnesium	50.9	0.050		MG/L		
MW39S	**06/11/2009**	**Manganese**	**0.506**	**0.0010**		**MG/L**		**0.15**
MW39S	06/11/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW39S	06/11/2009	Nickel	0.0066	0.0040		MG/L		0.1
MW39S	06/11/2009	Potassium	3.73	0.150		MG/L		
MW39S	06/11/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW39S	06/11/2009	Silver	0.004	0.0040	U	MG/L		0.05

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW39S	06/11/2009	Sodium	60.3	1.0		MG/L		
MW39S	06/11/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW39S	06/11/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW39S	06/11/2009	Vanadium	0.003	0.0030	U	MG/L		
MW39S	06/11/2009	Zinc	0.005	0.0050	U	MG/L		5
MW39S	06/11/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW39S	06/11/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW39S	06/11/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW39S	06/11/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW39S	06/11/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW39S	06/11/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW39S	06/11/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW39S	06/11/2009	2-Butanone	10	10	U	UG/L		
MW39S	06/11/2009	2-Hexanone	10	10	U	UG/L		
MW39S	06/11/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW39S	06/11/2009	Acetone	10	10	U	UG/L		
MW39S	06/11/2009	Benzene	1	1.0	U	UG/L	5	5
MW39S	06/11/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW39S	06/11/2009	Bromoform	1	1.0	U	UG/L		
MW39S	06/11/2009	Bromomethane	1	1.0	U	UG/L		
MW39S	06/11/2009	Carbon disulfide	5	5.0	U	UG/L		
MW39S	06/11/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW39S	06/11/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW39S	06/11/2009	Chloroethane	1	1.0	U	UG/L		
MW39S	06/11/2009	Chloroform	1	1.0	U	UG/L		
MW39S	06/11/2009	Chloromethane	1	1.0	U	UG/L		
MW39S	06/11/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW39S	06/11/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW39S	06/11/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW39S	06/11/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW39S	06/11/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW39S	06/11/2009	Styrene	1	1.0	U	UG/L	100	100
MW39S	06/11/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW39S	06/11/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW39S	06/11/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW39S	06/11/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW39S	06/11/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW39S	06/11/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW39S	06/11/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW41S	06/11/2009	Alkalinity, Total	664	10.0		MG/L		
MW41S	06/11/2009	Chloride	25	1.0		MG/L		200
MW41S	***06/11/2009***	***Nitrate***	***15.9***	***0.5***		***MG/L***	***10***	***10***
MW41S	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW41S	06/11/2009	Sulfate	250	20	D08	MG/L		400
MW41S	06/11/2009	Sulfide	1000	1000	U	UG/L		
MW41S	06/11/2009	Total Dissolved Solids	1190	10.0		MG/L		1200
MW41S	06/11/2009	Total Organic Carbon	3.6	1.0		MG/L		
MW41S	06/11/2009	Total Suspended Solids	16	4.0		MG/L		
MW41S	06/11/2009	Aluminum	0.409	0.040		MG/L		
MW41S	06/11/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW41S	06/11/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW41S	06/11/2009	Barium	0.0748	0.0050		MG/L	2	2
MW41S	06/11/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW41S	06/11/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW41S	06/11/2009	Calcium	262	0.1		MG/L		
MW41S	06/11/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
MW41S	06/11/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW41S	06/11/2009	Copper	0.0067	0.0040		MG/L	1.3	0.65
MW41S	06/11/2009	Iron	1.78	0.060		MG/L		5
MW41S	06/11/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW41S	06/11/2009	Magnesium	75	0.050		MG/L		
MW41S	**06/11/2009**	**Manganese**	**0.697**	**0.0010**		**MG/L**		**0.15**
MW41S	06/11/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW41S	06/11/2009	Nickel	0.0079	0.0040		MG/L		0.1
MW41S	06/11/2009	Potassium	16.7	0.150		MG/L		
MW41S	06/11/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW41S	06/11/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW41S	06/11/2009	Sodium	24	1.0		MG/L		
MW41S	06/11/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW41S	06/11/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW41S	06/11/2009	Vanadium	0.003	0.0030	U	MG/L		
MW41S	06/11/2009	Zinc	0.0117	0.0050		MG/L		5
MW41S	06/11/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW41S	06/11/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW41S	06/11/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW41S	06/11/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW41S	06/11/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW41S	06/11/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW41S	06/11/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW41S	06/11/2009	2-Butanone	10	10	U	UG/L		
MW41S	06/11/2009	2-Hexanone	10	10	U	UG/L		
MW41S	06/11/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW41S	06/11/2009	Acetone	10	10	U	UG/L		
MW41S	06/11/2009	Benzene	1	1.0	U	UG/L	5	5
MW41S	06/11/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW41S	06/11/2009	Bromoform	1	1.0	U	UG/L		
MW41S	06/11/2009	Bromomethane	1	1.0	U	UG/L		
MW41S	06/11/2009	Carbon disulfide	5	5.0	U	UG/L		
MW41S	06/11/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW41S	06/11/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW41S	06/11/2009	Chloroethane	1	1.0	U	UG/L		
MW41S	06/11/2009	Chloroform	1	1.0	U	UG/L		
MW41S	06/11/2009	Chloromethane	1	1.0	U	UG/L		
MW41S	06/11/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW41S	06/11/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW41S	06/11/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW41S	06/11/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW41S	06/11/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW41S	06/11/2009	Styrene	1	1.0	U	UG/L	100	100
MW41S	06/11/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW41S	06/11/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW41S	06/11/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW41S	06/11/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW41S	06/11/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW41S	06/11/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW41S	06/11/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000

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Shallow Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Environmental Monitoring and Technologies, Inc.
All other laboratory analyses performed by TestAmerica Buffalo.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
B1 = Analyte was detected in the associated Method Blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
D02 = Dilution required due to sample matrix effects.
D04 = Dilution required due to high levels of non-target analyte(s).
D08 = Dilution required due to high concentration of target analyte(s).
L4 = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
U = Analyte was not detected above the reporting limit.

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Shallow Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Qualifier	Units
G135	06/11/2009	Depth to Water from Land Surface	19.24		FEET
G135	06/11/2009	Depth to Water from Top of Casing	19.95		FEET
G135	06/09/2009	Depth to Water from Top of Casing (initial)	20		FEET
G135	06/11/2009	Dissolved Oxygen, Field	4.21		MG/L
G135	06/11/2009	Elevation Bottom of Well	730.78		FT/MSL
G135	06/11/2009	Ferrous Iron	0.45		PPM
G135	06/11/2009	Field EH/ORP	-72.3		MILLIVOLTS
G135	06/11/2009	Measuring Point Elevation	759.16		FT/MSL
G135	06/11/2009	pH, Field	6.98		SU
G135	06/11/2009	Specific Conductance, Field	835		UMHOS/CM
G135	06/11/2009	Temperature, Field (°F)	49.8		°F
G135	06/11/2009	Turbidity	2.97		TEXT
G135	06/11/2009	Water Elevation	739.21		FT/MSL
G135	06/09/2009	Water Elevation (initial)	739.16		FT/MSL
MW1S	06/11/2009	Depth to Water from Land Surface	1.14		FEET
MW1S	06/11/2009	Depth to Water from Top of Casing	3.09		FEET
MW1S	06/09/2009	Depth to Water from Top of Casing (initial)	3.85		FEET
MW1S	06/11/2009	Dissolved Oxygen, Field	2.4		MG/L
MW1S	06/11/2009	Elevation Bottom of Well	730.5		FT/MSL
MW1S	06/11/2009	Ferrous Iron	0.19		PPM
MW1S	06/11/2009	Field EH/ORP	-36.1		MILLIVOLTS
MW1S	06/11/2009	Measuring Point Elevation	741.14		FT/MSL
MW1S	06/11/2009	pH, Field	6.91		SU
MW1S	06/11/2009	Specific Conductance, Field	856		UMHOS/CM
MW1S	06/11/2009	Temperature, Field (°F)	52.6		°F
MW1S	06/11/2009	Turbidity	1.2		TEXT
MW1S	06/11/2009	Water Elevation	738.05		FT/MSL
MW1S	06/09/2009	Water Elevation (initial)	737.29		FT/MSL
MW2SR	06/09/2009	Depth to Water from Land Surface	17.05		FEET
MW2SR	06/09/2009	Depth to Water from Top of Casing	19.5		FEET
MW2SR	06/09/2009	Depth to Water from Top of Casing (initial)	19.49		FEET
MW2SR	06/09/2009	Dissolved Oxygen, Field	2.09		MG/L
MW2SR	06/09/2009	Elevation Bottom of Well	733.08		FT/MSL
MW2SR	06/09/2009	Ferrous Iron	0.24		PPM
MW2SR	06/09/2009	Field EH/ORP	106.2		MILLIVOLTS
MW2SR	06/09/2009	Measuring Point Elevation	759.26		FT/MSL
MW2SR	06/09/2009	pH, Field	7.05		SU
MW2SR	06/09/2009	Specific Conductance, Field	1131		UMHOS/CM
MW2SR	06/09/2009	Temperature, Field (°F)	54.7		°F

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Well ID	Sample Date	Parameter	Result	Qualifier	Units
MW2SR	06/09/2009	Turbidity	4.07		TEXT
MW2SR	06/09/2009	Water Elevation	739.76		FT/MSL
MW2SR	06/09/2009	Water Elevation (initial)	739.77		FT/MSL
MW5SR	06/11/2009	Depth to Water from Land Surface	6.18		FEET
MW5SR	06/11/2009	Depth to Water from Top of Casing	7.83		FEET
MW5SR	06/09/2009	Depth to Water from Top of Casing (initial)	7.6		FEET
MW5SR	06/11/2009	Dissolved Oxygen, Field	1.32		MG/L
MW5SR	06/11/2009	Elevation Bottom of Well	725.09		FT/MSL
MW5SR	06/11/2009	Ferrous Iron	0.08		PPM
MW5SR	06/11/2009	Field EH/ORP	-96		MILLIVOLTS
MW5SR	06/11/2009	Measuring Point Elevation	748.17		FT/MSL
MW5SR	06/11/2009	pH, Field	7.11		SU
MW5SR	06/11/2009	Specific Conductance, Field	526		UMHOS/CM
MW5SR	06/11/2009	Temperature, Field (°F)	52.6		°F
MW5SR	06/11/2009	Turbidity	3.5		TEXT
MW5SR	06/11/2009	Water Elevation	740.34		FT/MSL
MW5SR	06/09/2009	Water Elevation (initial)	740.57		FT/MSL
MW6S	06/10/2009	Depth to Water from Land Surface	0.63		FEET
MW6S	06/10/2009	Depth to Water from Top of Casing	3.03		FEET
MW6S	06/09/2009	Depth to Water from Top of Casing (initial)	2.87		FEET
MW6S	06/10/2009	Dissolved Oxygen, Field	2		MG/L
MW6S	06/10/2009	Elevation Bottom of Well	729.19		FT/MSL
MW6S	06/10/2009	Ferrous Iron	0	U	PPM
MW6S	06/10/2009	Field EH/ORP	-91.8		MILLIVOLTS
MW6S	06/10/2009	Measuring Point Elevation	743.96		FT/MSL
MW6S	06/10/2009	pH, Field	6.81		SU
MW6S	06/10/2009	Specific Conductance, Field	1269		UMHOS/CM
MW6S	06/10/2009	Temperature, Field (°F)	50.2		°F
MW6S	06/10/2009	Turbidity	7.81		TEXT
MW6S	06/10/2009	Water Elevation	740.93		FT/MSL
MW6S	06/09/2009	Water Elevation (initial)	741.09		FT/MSL
MW10S	06/11/2009	Depth to Water from Land Surface	10.68		FEET
MW10S	06/11/2009	Depth to Water from Top of Casing	12.98		FEET
MW10S	06/09/2009	Depth to Water from Top of Casing (initial)	12.93		FEET
MW10S	06/11/2009	Dissolved Oxygen, Field	2.36		MG/L
MW10S	06/11/2009	Elevation Bottom of Well	735.77		FT/MSL
MW10S	06/11/2009	Ferrous Iron	0.44		PPM
MW10S	06/11/2009	Field EH/ORP	-60.3		MILLIVOLTS
MW10S	06/11/2009	Measuring Point Elevation	756.64		FT/MSL

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Well ID	Sample Date	Parameter	Result	Qualifier	Units
MW10S	06/11/2009	pH, Field	7.12		SU
MW10S	06/11/2009	Specific Conductance, Field	803		UMHOS/CM
MW10S	06/11/2009	Temperature, Field (°F)	51.8		°F
MW10S	06/11/2009	Turbidity	6.1		TEXT
MW10S	06/11/2009	Water Elevation	743.66		FT/MSL
MW10S	06/09/2009	Water Elevation (initial)	743.71		FT/MSL
MW12SR	06/09/2009	Depth to Water from Land Surface	15.48		FEET
MW12SR	06/09/2009	Depth to Water from Top of Casing	17.33		FEET
MW12SR	06/09/2009	Depth to Water from Top of Casing (initial)	17.36		FEET
MW12SR	06/09/2009	Dissolved Oxygen, Field	3.28		MG/L
MW12SR	06/09/2009	Elevation Bottom of Well	732.88		FT/MSL
MW12SR	06/09/2009	Ferrous Iron	0.43		PPM
MW12SR	06/09/2009	Field EH/ORP	-72.6		MILLIVOLTS
MW12SR	06/09/2009	Measuring Point Elevation	757.37		FT/MSL
MW12SR	06/09/2009	pH, Field	7.25		SU
MW12SR	06/09/2009	Specific Conductance, Field	564		UMHOS/CM
MW12SR	06/09/2009	Temperature, Field (°F)	46.8		°F
MW12SR	06/09/2009	Turbidity	4.8		TEXT
MW12SR	06/09/2009	Water Elevation	740.04		FT/MSL
MW12SR	06/09/2009	Water Elevation (initial)	740.01		FT/MSL
MW25S	06/11/2009	Depth to Water from Land Surface	8.21		FEET
MW25S	06/11/2009	Depth to Water from Top of Casing	11.44		FEET
MW25S	06/09/2009	Depth to Water from Top of Casing (initial)	11.43		FEET
MW25S	06/11/2009	Dissolved Oxygen, Field	3.9		MG/L
MW25S	06/11/2009	Elevation Bottom of Well	734.02		FT/MSL
MW25S	06/11/2009	Ferrous Iron	0.29		PPM
MW25S	06/11/2009	Field EH/ORP	-40.1		MILLIVOLTS
MW25S	06/11/2009	Measuring Point Elevation	749.22		FT/MSL
MW25S	06/11/2009	pH, Field	7.02		SU
MW25S	06/11/2009	Specific Conductance, Field	875		UMHOS/CM
MW25S	06/11/2009	Temperature, Field (°F)	50.1		°F
MW25S	06/11/2009	Turbidity	5.19		TEXT
MW25S	06/11/2009	Water Elevation	737.78		FT/MSL
MW25S	06/09/2009	Water Elevation (initial)	737.79		FT/MSL
MW38S	06/11/2009	Depth to Water from Land Surface	8.34		FEET
MW38S	06/11/2009	Depth to Water from Top of Casing	10.67		FEET
MW38S	06/09/2009	Depth to Water from Top of Casing (initial)	10.68		FEET
MW38S	06/11/2009	Dissolved Oxygen, Field	4.1		MG/L
MW38S	06/11/2009	Elevation Bottom of Well	737.9		FT/MSL

Appendix D
Tri-County Landfill
Shallow Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Qualifier	Units
MW38S	06/11/2009	Ferrous Iron	0.65		PPM
MW38S	06/11/2009	Field EH/ORP	67.2		MILLIVOLTS
MW38S	06/11/2009	Measuring Point Elevation	755.03		FT/MSL
MW38S	06/11/2009	pH, Field	7.29		SU
MW38S	06/11/2009	Specific Conductance, Field	446		UMHOS/CM
MW38S	06/11/2009	Temperature, Field (°F)	49.8		°F
MW38S	06/11/2009	Turbidity	6.73		TEXT
MW38S	06/11/2009	Water Elevation	744.36		FT/MSL
MW38S	06/09/2009	Water Elevation (initial)	744.35		FT/MSL
MW39S	06/11/2009	Depth to Water from Land Surface	2.57		FEET
MW39S	06/11/2009	Depth to Water from Top of Casing	4.57		FEET
MW39S	06/09/2009	Depth to Water from Top of Casing (initial)	4.35		FEET
MW39S	06/11/2009	Dissolved Oxygen, Field	5.08		MG/L
MW39S	06/11/2009	Elevation Bottom of Well	723.72		FT/MSL
MW39S	06/11/2009	Ferrous Iron	0.19		PPM
MW39S	06/11/2009	Field EH/ORP	-70.1		MILLIVOLTS
MW39S	06/11/2009	Measuring Point Elevation	739.45		FT/MSL
MW39S	06/11/2009	pH, Field	7.05		SU
MW39S	06/11/2009	Specific Conductance, Field	898		UMHOS/CM
MW39S	06/11/2009	Temperature, Field (°F)	50		°F
MW39S	06/11/2009	Turbidity	8		TEXT
MW39S	06/11/2009	Water Elevation	734.88		FT/MSL
MW39S	06/09/2009	Water Elevation (initial)	735.1		FT/MSL
MW41S	06/11/2009	Depth to Water from Land Surface	14.76		FEET
MW41S	06/11/2009	Depth to Water from Top of Casing	17.46		FEET
MW41S	06/09/2009	Depth to Water from Top of Casing (initial)	17.44		FEET
MW41S	06/11/2009	Dissolved Oxygen, Field	2.68		MG/L
MW41S	06/11/2009	Elevation Bottom of Well	729.1		FT/MSL
MW41S	06/11/2009	Ferrous Iron	0.01		PPM
MW41S	06/11/2009	Field EH/ORP	19.1		MILLIVOLTS
MW41S	06/11/2009	Measuring Point Elevation	757.34		FT/MSL
MW41S	06/11/2009	pH, Field	6.65		SU
MW41S	06/11/2009	Specific Conductance, Field	1391		UMHOS/CM
MW41S	06/11/2009	Temperature, Field (°F)	54.2		°F
MW41S	06/11/2009	Turbidity	5.12		TEXT
MW41S	06/11/2009	Water Elevation	739.88		FT/MSL
MW41S	06/09/2009	Water Elevation (initial)	739.9		FT/MSL
PZ29	06/09/2009	Depth to Water from Top of Casing	7.7		FEET
PZ29	06/09/2009	Depth to Water from Top of Casing (initial)	7.7		FEET

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Tri-County Landfill
Shallow Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Qualifier	Units
PZ29	06/09/2009	Measuring Point Elevation	757.48		FT/MSL
PZ29	06/09/2009	Water Elevation	749.78		FT/MSL
PZ29	06/09/2009	Water Elevation (initial)	749.78		FT/MSL
PZ32	06/09/2009	Depth to Water from Top of Casing	21.06		FEET
PZ32	06/09/2009	Depth to Water from Top of Casing (initial)	21.06		FEET
PZ32	06/09/2009	Measuring Point Elevation	760.74		FT/MSL
PZ32	06/09/2009	Water Elevation	739.68		FT/MSL
PZ32	06/09/2009	Water Elevation (initial)	739.68		FT/MSL

Qualifiers:
U = Analyte was not detected above the reporting limit.

Appendix D
Elgin Landfill
Shallow Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW9S	06/23/2009	Alkalinity, Total	369	0.79		MG/L		
MW9S	06/23/2009	Chloride	18	2.8	D02	MG/L		200
MW9S	06/23/2009	Nitrate	0.25	0.01		MG/L	10	10
MW9S	06/23/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW9S	06/23/2009	Sulfate	50	3.5	D02	MG/L		400
MW9S	06/23/2009	Sulfide	700	700	U	UG/L		
MW9S	06/23/2009	Total Dissolved Solids	387	4.0		MG/L		1200
MW9S	06/23/2009	Total Organic Carbon	1.8	0.4		MG/L		
MW9S	06/23/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW9S	06/23/2009	Aluminum	0.039	0.039	U	MG/L		
MW9S	06/23/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
MW9S	06/23/2009	Arsenic	0.0003	0.00007	J	MG/L	0.01	0.05
MW9S	06/23/2009	Barium	0.061	0.0003		MG/L	2	2
MW9S	06/23/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
MW9S	06/23/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW9S	06/23/2009	Calcium	95.3	0.04	B	MG/L		
MW9S	06/23/2009	Chromium	0.0028	0.0009	J	MG/L	0.1	0.1
MW9S	06/23/2009	Cobalt	0.0005	0.0005	U	MG/L		1
MW9S	06/23/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
MW9S	06/23/2009	Iron	0.06	0.019	J	MG/L		5
MW9S	06/23/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW9S	06/23/2009	Magnesium	46.3	0.043		MG/L		
MW9S	06/23/2009	Manganese	0.0023	0.0002	J, B	MG/L		0.15
MW9S	06/23/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW9S	06/23/2009	Nickel	0.0207	0.0013	J	MG/L		0.1
MW9S	06/23/2009	Potassium	1.4	0.028	J	MG/L		
MW9S	06/23/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW9S	06/23/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW9S	06/23/2009	Sodium	12.5	0.3		MG/L		
MW9S	06/23/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW9S	06/23/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW9S	06/23/2009	Vanadium	0.0011	0.0011	U	MG/L		
MW9S	06/23/2009	Zinc	0.0015	0.0015	U	MG/L		5
MW9S	06/23/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW9S	06/23/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW9S	06/23/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW9S	06/23/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW9S	06/23/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW9S	06/23/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5

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Elgin Landfill
Shallow Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW9S	06/23/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW9S	06/23/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW9S	06/23/2009	2-Butanone	1.3	1.3	U	UG/L		
MW9S	06/23/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW9S	06/23/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW9S	06/23/2009	Acetone	1.3	1.3	U	UG/L		
MW9S	06/23/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW9S	06/23/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW9S	06/23/2009	Bromoform	0.26	0.26	U	UG/L		
MW9S	06/23/2009	Bromomethane	0.28	0.28	U	UG/L		
MW9S	06/23/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW9S	06/23/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW9S	06/23/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW9S	06/23/2009	Chloroethane	0.32	0.32	U	UG/L		
MW9S	06/23/2009	Chloroform	0.34	0.34	U	UG/L		
MW9S	06/23/2009	Chloromethane	0.35	0.35	U	UG/L		
MW9S	06/23/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW9S	06/23/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW9S	06/23/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW9S	06/23/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW9S	06/23/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW9S	06/23/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW9S	06/23/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW9S	06/23/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW9S	06/23/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW9S	06/23/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW9S	06/23/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW20S	06/25/2009	Alkalinity, Total	759	0.79		MG/L		
MW20S	**06/25/2009**	**Chloride**	**560**	**2.8**	**D08**	**MG/L**		**200**
MW20S	06/25/2009	Nitrate	6.3	0.01		MG/L	10	10
MW20S	06/25/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW20S	06/25/2009	Sulfate	260	3.5	D08	MG/L		400
MW20S	06/25/2009	Sulfide	700	700	U	UG/L		
MW20S	**06/25/2009**	**Total Dissolved Solids**	**2010**	**8.0**	**D08**	**MG/L**		**1200**
MW20S	06/25/2009	Total Organic Carbon	7.9	0.4		MG/L		
MW20S	06/25/2009	Total Suspended Solids	64.4	4.0		MG/L		
MW20S	06/25/2009	Aluminum	1.48	0.039	B	MG/L		
MW20S	06/25/2009	Antimony	0.0008	0.0002	J	MG/L	6	6
MW20S	*06/25/2009*	*Arsenic*	*0.0163*	*0.00007*		*MG/L*	*0.01*	*0.05*

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW20S	06/25/2009	Barium	0.187	0.0003		MG/L	2	2
MW20S	06/25/2009	Beryllium	0.00004	0.00001	J	MG/L	0.004	0.004
MW20S	06/25/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW20S	06/25/2009	Calcium	265	0.04	B	MG/L		
MW20S	***06/25/2009***	***Chromium***	***0.547***	***0.0009***		***MG/L***	***0.1***	***0.1***
MW20S	06/25/2009	Cobalt	0.0047	0.0005	J	MG/L		1
MW20S	06/25/2009	Copper	0.0489	0.0013		MG/L	1.3	0.65
MW20S	**06/25/2009**	**Iron**	**6.04**	**0.019**		**MG/L**		**5**
MW20S	06/25/2009	Lead	0.0068	0.0018		MG/L	0.015	0.0075
MW20S	06/25/2009	Magnesium	124	0.043		MG/L		
MW20S	**06/25/2009**	**Manganese**	**0.334**	**0.0002**		**MG/L**		**0.15**
MW20S	06/25/2009	Mercury	0.0001	0.0001	J	MG/L	0.002	0.002
MW20S	**06/25/2009**	**Nickel**	**0.18**	**0.0013**		**MG/L**		**0.1**
MW20S	06/25/2009	Potassium	78.4	0.028		MG/L		
MW20S	06/25/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW20S	06/25/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW20S	06/25/2009	Sodium	306	0.3		MG/L		
MW20S	06/25/2009	Thallium	0.0003	0.00009	J	MG/L	0.002	0.002
MW20S	06/25/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW20S	06/25/2009	Vanadium	0.0058	0.0011	J	MG/L		
MW20S	06/25/2009	Zinc	0.0131	0.0015	J	MG/L		5
MW20S	06/25/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW20S	06/25/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW20S	06/25/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW20S	06/25/2009	1,1-Dichloroethane	3.3	0.75		UG/L		
MW20S	06/25/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW20S	06/25/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW20S	06/25/2009	1,2-Dichloroethene, Total	1.4	0.70	J	UG/L		
MW20S	06/25/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW20S	06/25/2009	2-Butanone	1.3	1.3	U	UG/L		
MW20S	06/25/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW20S	06/25/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW20S	06/25/2009	Acetone	1.3	1.3	U	UG/L		
MW20S	06/25/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW20S	06/25/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW20S	06/25/2009	Bromoform	0.26	0.26	U	UG/L		
MW20S	06/25/2009	Bromomethane	0.28	0.28	U	UG/L		
MW20S	06/25/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW20S	06/25/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW20S	06/25/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW20S	06/25/2009	Chloroethane	0.32	0.32	U	UG/L		
MW20S	06/25/2009	Chloroform	0.34	0.34	U	UG/L		
MW20S	06/25/2009	Chloromethane	0.35	0.35	U	UG/L		
MW20S	06/25/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW20S	06/25/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW20S	06/25/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW20S	06/25/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW20S	06/25/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW20S	06/25/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW20S	06/25/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW20S	06/25/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW20S	06/25/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW20S	06/25/2009	Vinyl chloride	0.64	0.24	J	UG/L	2	2
MW20S	06/25/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW21S	06/25/2009	Alkalinity, Total	58.5	0.79		MG/L		
MW21S	06/25/2009	Chloride	170	2.8	D08	MG/L		200
MW21S	06/25/2009	Nitrate	3.9	0.01		MG/L	10	10
MW21S	06/25/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW21S	06/25/2009	Sulfate	110	3.5	D08	MG/L		400
MW21S	06/25/2009	Sulfide	700	700	U	UG/L		
MW21S	06/25/2009	Total Dissolved Solids	558	4.0		MG/L		1200
MW21S	06/25/2009	Total Organic Carbon	6	0.4		MG/L		
MW21S	06/25/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW21S	06/25/2009	Aluminum	0.066	0.039	B	MG/L		
MW21S	06/25/2009	Antimony	0.0003	0.0002	J	MG/L	6	6
MW21S	06/25/2009	Arsenic	0.0023	0.00007		MG/L	0.01	0.05
MW21S	06/25/2009	Barium	0.0788	0.0003		MG/L	2	2
MW21S	06/25/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
MW21S	06/25/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW21S	06/25/2009	Calcium	19.6	0.04	B	MG/L		
MW21S	06/25/2009	Chromium	0.003	0.0009	J	MG/L	0.1	0.1
MW21S	06/25/2009	Cobalt	0.0012	0.0005	J	MG/L		1
MW21S	06/25/2009	Copper	0.0026	0.0013	J	MG/L	1.3	0.65
MW21S	06/25/2009	Iron	0.08	0.019	J	MG/L		5
MW21S	06/25/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW21S	06/25/2009	Magnesium	22.6	0.043		MG/L		
MW21S	06/25/2009	Manganese	0.0015	0.0002	J	MG/L		0.15
MW21S	06/25/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW21S	06/25/2009	Nickel	0.0078	0.0013	J	MG/L		0.1
MW21S	06/25/2009	Potassium	22.9	0.028		MG/L		
MW21S	06/25/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW21S	06/25/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW21S	06/25/2009	Sodium	138	0.3		MG/L		
MW21S	06/25/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW21S	06/25/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW21S	06/25/2009	Vanadium	0.0029	0.0011	J	MG/L		
MW21S	06/25/2009	Zinc	0.0277	0.0015		MG/L		5
MW21S	06/25/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW21S	06/25/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW21S	06/25/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW21S	06/25/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW21S	06/25/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW21S	06/25/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW21S	06/25/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW21S	06/25/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW21S	06/25/2009	2-Butanone	1.3	1.3	U	UG/L		
MW21S	06/25/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW21S	06/25/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW21S	06/25/2009	Acetone	1.3	1.3	U	UG/L		
MW21S	06/25/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW21S	06/25/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW21S	06/25/2009	Bromoform	0.26	0.26	U	UG/L		
MW21S	06/25/2009	Bromomethane	0.28	0.28	U	UG/L		
MW21S	06/25/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW21S	06/25/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW21S	06/25/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW21S	06/25/2009	Chloroethane	0.32	0.32	U	UG/L		
MW21S	06/25/2009	Chloroform	0.34	0.34	U	UG/L		
MW21S	06/25/2009	Chloromethane	0.35	0.35	U	UG/L		
MW21S	06/25/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW21S	06/25/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW21S	06/25/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW21S	06/25/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW21S	06/25/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW21S	06/25/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW21S	06/25/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW21S	06/25/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		

Appendix D
Elgin Landfill
Shallow Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW21S	06/25/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW21S	06/25/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW21S	06/25/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW24S	06/25/2009	Alkalinity, Total	399	0.79		MG/L		
MW24S	06/25/2009	Chloride	24	0.28		MG/L		200
MW24S	06/25/2009	Nitrate	2.6	0.01		MG/L	10	10
MW24S	06/25/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW24S	06/25/2009	Sulfate	75	0.35		MG/L		400
MW24S	06/25/2009	Sulfide	700	700	U	UG/L		
MW24S	06/25/2009	Total Dissolved Solids	539	4.0		MG/L		1200
MW24S	06/25/2009	Total Organic Carbon	5.4	0.4		MG/L		
MW24S	06/25/2009	Total Suspended Solids	19.6	4.0		MG/L		
MW24S	06/25/2009	Aluminum	0.646	0.039	B	MG/L		
MW24S	06/25/2009	Antimony	0.0022	0.0002	J	MG/L	6	6
MW24S	06/25/2009	Arsenic	0.0016	0.00007		MG/L	0.01	0.05
MW24S	06/25/2009	Barium	0.0949	0.0003		MG/L	2	2
MW24S	06/25/2009	Beryllium	0.00001	0.00001	J	MG/L	0.004	0.004
MW24S	06/25/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW24S	06/25/2009	Calcium	119	0.04	B	MG/L		
MW24S	06/25/2009	Chromium	0.0434	0.0009		MG/L	0.1	0.1
MW24S	06/25/2009	Cobalt	0.0053	0.0005	J	MG/L		1
MW24S	06/25/2009	Copper	0.0108	0.0013		MG/L	1.3	0.65
MW24S	06/25/2009	Iron	3.11	0.019		MG/L		5
MW24S	06/25/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW24S	06/25/2009	Magnesium	54.8	0.043		MG/L		
MW24S	**06/25/2009**	**Manganese**	**0.31**	**0.0002**		**MG/L**		**0.15**
MW24S	06/25/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW24S	06/25/2009	Nickel	0.0894	0.0013		MG/L		0.1
MW24S	06/25/2009	Potassium	4.62	0.028		MG/L		
MW24S	06/25/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW24S	06/25/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW24S	06/25/2009	Sodium	18.7	0.3		MG/L		
MW24S	06/25/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW24S	06/25/2009	Total Cyanide	0.005	0.0050	U, L	MG/L	200	200
MW24S	06/25/2009	Vanadium	0.0022	0.0011	J	MG/L		
MW24S	06/25/2009	Zinc	0.0156	0.0015	J	MG/L		5
MW24S	06/25/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW24S	06/25/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW24S	06/25/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5

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Shallow Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW24S	06/25/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW24S	06/25/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW24S	06/25/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW24S	06/25/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW24S	06/25/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW24S	06/25/2009	2-Butanone	1.3	1.3	U	UG/L		
MW24S	06/25/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW24S	06/25/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW24S	06/25/2009	Acetone	1.3	1.3	U	UG/L		
MW24S	06/25/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW24S	06/25/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW24S	06/25/2009	Bromoform	0.26	0.26	U	UG/L		
MW24S	06/25/2009	Bromomethane	0.28	0.28	U	UG/L		
MW24S	06/25/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW24S	06/25/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW24S	06/25/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW24S	06/25/2009	Chloroethane	0.32	0.32	U	UG/L		
MW24S	06/25/2009	Chloroform	0.34	0.34	U	UG/L		
MW24S	06/25/2009	Chloromethane	0.35	0.35	U	UG/L		
MW24S	06/25/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW24S	06/25/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW24S	06/25/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW24S	06/25/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW24S	06/25/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW24S	06/25/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW24S	06/25/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW24S	06/25/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW24S	06/25/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW24S	06/25/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW24S	06/25/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000

Appendix D
Elgin Landfill
Shallow Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Heritage Environmental Services, LLC.
All other laboratory analyses performed by TestAmerica Buffalo.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
D02 = Dilution required due to sample matrix effects.
D08 = Dilution required due to high concentration of target analyte(s).
J = Analyte detected at a level less thatn the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.
L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
U = Analyte was not detected above the reporting limit.

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Elgin Landfill
Shallow Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW9S	06/23/2009	Dissolved Oxygen, Field	11	0		PPM		
MW9S	06/23/2009	Ferrous Iron	0	0		FEET		
MW9S	06/23/2009	Field EH/ORP	133	0		MILLIVOLTS		
MW9S	**06/23/2009**	**pH, Field**	**3.49**	**0.00**		**SU**		**6.5-9.0**
MW9S	06/23/2009	Specific Conductance (Field)	751	0		UMHOS/CM		
MW9S	06/23/2009	Temperature, Field (°C)	13.5	0		°C		
MW9S	06/23/2009	Turbidity	1.11	0		NTU		
MW9S	06/23/2009	Water Elevation	737.28	0		FT/MSL		
MW20S	06/25/2009	Dissolved Oxygen, Field	2.9	0		PPM		
MW20S	06/25/2009	Ferrous Iron	10	0		FEET		
MW20S	06/25/2009	Field EH/ORP	44	0		MILLIVOLTS		
MW20S	06/25/2009	pH, Field	6.73	0.00		SU		6.5-9.0
MW20S	06/25/2009	Specific Conductance (Field)	3340	0		UMHOS/CM		
MW20S	06/25/2009	Temperature, Field (°C)	14.3	0		°C		
MW20S	06/25/2009	Turbidity	19.9	0		NTU		
MW20S	06/25/2009	Water Elevation	736.91	0		FT/MSL		
MW21S	06/25/2009	Dissolved Oxygen, Field	7.1	0		PPM		
MW21S	06/25/2009	Ferrous Iron	0.4	0		FEET		
MW21S	06/25/2009	Field EH/ORP	102	0		MILLIVOLTS		
MW21S	**06/25/2009**	**pH, Field**	**9.8**	**0.00**		**SU**		**6.5-9.0**
MW21S	06/25/2009	Specific Conductance (Field)	1137	0		UMHOS/CM		
MW21S	06/25/2009	Temperature, Field (°C)	16.4	0		°C		
MW21S	06/25/2009	Turbidity	1.49	0		NTU		
MW21S	06/25/2009	Water Elevation	736.16	0		FT/MSL		
MW24S	06/25/2009	Dissolved Oxygen, Field	8.8	0		PPM		
MW24S	06/25/2009	Ferrous Iron	0	0		FEET		
MW24S	06/25/2009	Field EH/ORP	-20	0		MILLIVOLTS		
MW24S	06/25/2009	pH, Field	7.67	0.00		SU		6.5-9.0
MW24S	06/25/2009	Specific Conductance (Field)	1017	0		UMHOS/CM		
MW24S	06/25/2009	Temperature, Field (°C)	13.6	0		°C		
MW24S	06/25/2009	Turbidity	24.9	0		NTU		
MW24S	06/25/2009	Water Elevation	739.59	0		FT/MSL		

Appendix D
Elgin Landfill
Shallow Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS

Notes:
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Appendix D
Tri-County Landfill
Intermediate Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G142	06/10/2009	Alkalinity, Total	918	10.0		MG/L		
G142	**06/10/2009**	**Chloride**	**500**	**5.0**	**D08**	**MG/L**		**200**
G142	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
G142	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
G142	06/10/2009	Sulfate	10	10	U, D04	MG/L		400
G142	06/10/2009	Sulfide	1000	1000	U	UG/L		
G142	**06/10/2009**	**Total Dissolved Solids**	**1620**	**10.0**		**MG/L**		**1200**
G142	06/10/2009	Total Organic Carbon	29.9	1.0		MG/L		
G142	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
G142	06/10/2009	Aluminum	0.047	0.040	B	MG/L		
G142	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6
G142	06/10/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
G142	06/10/2009	Barium	0.708	0.0050		MG/L	2	2
G142	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
G142	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
G142	06/10/2009	Calcium	112	0.1		MG/L		
G142	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
G142	06/10/2009	Cobalt	0.0038	0.0030		MG/L		1
G142	06/10/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
G142	06/10/2009	Iron	2.56	0.060	B1, B	MG/L		5
G142	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
G142	06/10/2009	Magnesium	116	0.050		MG/L		
G142	06/10/2009	Manganese	0.026	0.0010		MG/L		0.15
G142	06/10/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
G142	06/10/2009	Nickel	0.0348	0.0040		MG/L		0.1
G142	06/10/2009	Potassium	26.8	0.150		MG/L		
G142	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
G142	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
G142	06/10/2009	Sodium	327	1.0		MG/L		
G142	06/10/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
G142	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
G142	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		
G142	06/10/2009	Zinc	0.005	0.0050	U	MG/L		5
G142	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
G142	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
G142	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
G142	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
G142	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
G142	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G142	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
G142	06/10/2009	2-Butanone	10	10	U	UG/L		
G142	06/10/2009	2-Hexanone	10	10	U	UG/L		
G142	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
G142	06/10/2009	Acetone	10	10	U	UG/L		
G142	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
G142	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
G142	06/10/2009	Bromoform	1	1.0	U	UG/L		
G142	06/10/2009	Bromomethane	1	1.0	U	UG/L		
G142	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
G142	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
G142	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
G142	06/10/2009	Chloroethane	1	1.0	U	UG/L		
G142	06/10/2009	Chloroform	1	1.0	U	UG/L		
G142	06/10/2009	Chloromethane	1	1.0	U	UG/L		
G142	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
G142	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
G142	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
G142	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
G142	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
G142	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
G142	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
G142	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
G142	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
G142	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
G142	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
G142	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
G142	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW1I1	06/10/2009	Alkalinity, Total	392	10.0		MG/L		
MW1I1	06/10/2009	Chloride	110	1.0	D08	MG/L		200
MW1I1	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW1I1	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW1I1	06/10/2009	Sulfate	8	2.0	D02	MG/L		400
MW1I1	06/10/2009	Sulfide	1000	1000	U	UG/L		
MW1I1	06/10/2009	Total Dissolved Solids	567	10.0		MG/L		1200
MW1I1	06/10/2009	Total Organic Carbon	2.9	1.0		MG/L		
MW1I1	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW1I1	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW1I1	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW1I1	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW1I1	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW1I1	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW1I1	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW1I1	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW1I1	06/10/2009	2-Butanone	10	10	U	UG/L		
MW1I1	06/10/2009	2-Hexanone	10	10	U	UG/L		
MW1I1	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW1I1	06/10/2009	Acetone	10	10	U	UG/L		
MW1I1	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
MW1I1	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW1I1	06/10/2009	Bromoform	1	1.0	U	UG/L		
MW1I1	06/10/2009	Bromomethane	1	1.0	U	UG/L		
MW1I1	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
MW1I1	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW1I1	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW1I1	06/10/2009	Chloroethane	1	1.0	U	UG/L		
MW1I1	06/10/2009	Chloroform	1	1.0	U	UG/L		
MW1I1	06/10/2009	Chloromethane	1	1.0	U	UG/L		
MW1I1	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW1I1	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW1I1	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW1I1	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW1I1	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW1I1	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
MW1I1	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW1I1	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW1I1	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW1I1	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW1I1	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW1I1	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW1I1	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW1I2	06/10/2009	Alkalinity, Total	405	10.0		MG/L		
MW1I2	06/10/2009	Chloride	130	1.0	D08	MG/L		200
MW1I2	06/10/2009	Nitrate	0.13	0.13	U	MG/L	10	10
MW1I2	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW1I2	06/10/2009	Sulfate	17	2.0	D02	MG/L		400
MW1I2	06/10/2009	Sulfide	1000	1000	U	UG/L		
MW1I2	06/10/2009	Total Dissolved Solids	655	10.0		MG/L		1200

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MW1I2	06/10/2009	Total Organic Carbon	2.3	1.0		MG/L		
MW1I2	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW1I2	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW1I2	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW1I2	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW1I2	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW1I2	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW1I2	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW1I2	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW1I2	06/10/2009	2-Butanone	10	10	U	UG/L		
MW1I2	06/10/2009	2-Hexanone	10	10	U	UG/L		
MW1I2	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW1I2	06/10/2009	Acetone	10	10	U	UG/L		
MW1I2	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
MW1I2	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW1I2	06/10/2009	Bromoform	1	1.0	U	UG/L		
MW1I2	06/10/2009	Bromomethane	1	1.0	U	UG/L		
MW1I2	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
MW1I2	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW1I2	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW1I2	06/10/2009	Chloroethane	1	1.0	U	UG/L		
MW1I2	06/10/2009	Chloroform	1	1.0	U	UG/L		
MW1I2	06/10/2009	Chloromethane	1	1.0	U	UG/L		
MW1I2	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW1I2	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW1I2	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW1I2	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW1I2	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW1I2	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
MW1I2	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW1I2	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW1I2	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW1I2	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW1I2	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW1I2	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW1I2	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW2IR	06/09/2009	Alkalinity, Total	224	10.0		MG/L		
MW2IR	06/09/2009	Chloride	1.1	1.0		MG/L		200
MW2IR	06/09/2009	Nitrate	0.05	0.05	U	MG/L	10	10

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MW2IR	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW2IR	06/09/2009	Sulfate	1	1.0	U, CF6	MG/L		400
MW2IR	06/09/2009	Sulfate	1.2	1.0		MG/L		400
MW2IR	06/09/2009	Sulfide	1000	1000	U	UG/L		
MW2IR	06/09/2009	Total Dissolved Solids	227	10.0		MG/L		1200
MW2IR	06/09/2009	Total Organic Carbon	1	1.0	U	MG/L		
MW2IR	06/09/2009	Total Suspended Solids	44.8	4.0		MG/L		
MW2IR	06/09/2009	Aluminum	0.114	0.040		MG/L		
MW2IR	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW2IR	*06/09/2009*	*Arsenic*	*0.0382*	*0.0200*	*CF6*	*MG/L*	*0.01*	*0.05*
MW2IR	06/09/2009	Barium	0.0852	0.0050		MG/L	2	2
MW2IR	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW2IR	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW2IR	06/09/2009	Calcium	38	0.1		MG/L		
MW2IR	06/09/2009	Chromium	0.0032	0.0030		MG/L	0.1	0.1
MW2IR	06/09/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW2IR	06/09/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW2IR	**06/09/2009**	**Iron**	**10.1**	**0.060**		**MG/L**		**5**
MW2IR	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW2IR	06/09/2009	Magnesium	20.9	0.050		MG/L		
MW2IR	06/09/2009	Manganese	0.03	0.0010		MG/L		0.15
MW2IR	06/09/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW2IR	06/09/2009	Nickel	0.004	0.0040	U	MG/L		0.1
MW2IR	06/09/2009	Potassium	0.999	0.150		MG/L		
MW2IR	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW2IR	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW2IR	06/09/2009	Sodium	23.1	1.0		MG/L		
MW2IR	06/09/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW2IR	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW2IR	06/09/2009	Vanadium	0.003	0.0030	U	MG/L		
MW2IR	06/09/2009	Zinc	0.005	0.0050	U	MG/L		5
MW2IR	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW2IR	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW2IR	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW2IR	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW2IR	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW2IR	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW2IR	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW2IR	06/09/2009	2-Butanone	10	10	U	UG/L		

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MW2IR	06/09/2009	2-Hexanone	10	10	U	UG/L		
MW2IR	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW2IR	06/09/2009	Acetone	10	10	U	UG/L		
MW2IR	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
MW2IR	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW2IR	06/09/2009	Bromoform	1	1.0	U	UG/L		
MW2IR	06/09/2009	Bromomethane	1	1.0	U	UG/L		
MW2IR	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
MW2IR	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW2IR	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW2IR	06/09/2009	Chloroethane	1	1.0	U	UG/L		
MW2IR	06/09/2009	Chloroform	1	1.0	U	UG/L		
MW2IR	06/09/2009	Chloromethane	1	1.0	U	UG/L		
MW2IR	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW2IR	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW2IR	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW2IR	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW2IR	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW2IR	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
MW2IR	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW2IR	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW2IR	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW2IR	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW2IR	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW2IR	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW2IR	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW5IR	06/09/2009	Alkalinity, Total	279	10.0		MG/L		
MW5IR	06/09/2009	Chloride	26	1.0		MG/L		200
MW5IR	06/09/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW5IR	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW5IR	06/09/2009	Sulfate	2.7	1.0		MG/L		400
MW5IR	06/09/2009	Sulfide	1000	1000	U	UG/L		
MW5IR	06/09/2009	Total Dissolved Solids	329	10.0		MG/L		1200
MW5IR	06/09/2009	Total Organic Carbon	6.8	1.0		MG/L		
MW5IR	06/09/2009	Total Suspended Solids	61.6	4.0	CF6	MG/L		
MW5IR	06/09/2009	Aluminum	0.482	0.040		MG/L		
MW5IR	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW5IR	06/09/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW5IR	06/09/2009	Barium	0.0719	0.0050		MG/L	2	2

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MW5IR	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW5IR	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW5IR	06/09/2009	Calcium	44.7	0.1		MG/L		
MW5IR	06/09/2009	Chromium	0.0051	0.0030		MG/L	0.1	0.1
MW5IR	06/09/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW5IR	06/09/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW5IR	**06/09/2009**	**Iron**	**6.24**	**0.060**		**MG/L**		**5**
MW5IR	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW5IR	06/09/2009	Magnesium	35.3	0.050		MG/L		
MW5IR	06/09/2009	Manganese	0.0537	0.0010		MG/L		0.15
MW5IR	06/09/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW5IR	06/09/2009	Nickel	0.0058	0.0040		MG/L		0.1
MW5IR	06/09/2009	Potassium	1.46	0.150		MG/L		
MW5IR	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW5IR	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW5IR	06/09/2009	Sodium	31.2	1.0		MG/L		
MW5IR	06/09/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW5IR	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW5IR	06/09/2009	Vanadium	0.003	0.0030	U	MG/L		
MW5IR	06/09/2009	Zinc	0.0092	0.0050		MG/L		5
MW5IR	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW5IR	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW5IR	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW5IR	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW5IR	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW5IR	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW5IR	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW5IR	06/09/2009	2-Butanone	10	10	U	UG/L		
MW5IR	06/09/2009	2-Hexanone	10	10	U	UG/L		
MW5IR	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW5IR	06/09/2009	Acetone	10	10	U	UG/L		
MW5IR	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
MW5IR	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW5IR	06/09/2009	Bromoform	1	1.0	U	UG/L		
MW5IR	06/09/2009	Bromomethane	1	1.0	U	UG/L		
MW5IR	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
MW5IR	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW5IR	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW5IR	06/09/2009	Chloroethane	1	1.0	U	UG/L		

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MW5IR	06/09/2009	Chloroform	1	1.0	U	UG/L		
MW5IR	06/09/2009	Chloromethane	1	1.0	U	UG/L		
MW5IR	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW5IR	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW5IR	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW5IR	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW5IR	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW5IR	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
MW5IR	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW5IR	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW5IR	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW5IR	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW5IR	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW5IR	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW5IR	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW6I	06/10/2009	Alkalinity, Total	490	10.0		MG/L		
MW6I	06/10/2009	Chloride	160	2.5	D08	MG/L		200
MW6I	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW6I	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW6I	06/10/2009	Sulfate	5	5.0	U, D04	MG/L		400
MW6I	06/10/2009	Sulfide	1000	1000	U	UG/L		
MW6I	06/10/2009	Total Dissolved Solids	721	10.0		MG/L		1200
MW6I	06/10/2009	Total Organic Carbon	8.1	1.0		MG/L		
MW6I	06/10/2009	Total Suspended Solids	10	4.0		MG/L		
MW6I	06/10/2009	Aluminum	0.293	0.040	B	MG/L		
MW6I	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW6I	06/10/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW6I	06/10/2009	Barium	0.323	0.0050		MG/L	2	2
MW6I	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW6I	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW6I	06/10/2009	Calcium	85.8	0.1		MG/L		
MW6I	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
MW6I	06/10/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW6I	06/10/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW6I	**06/10/2009**	**Iron**	**5.61**	**0.060**	**B1, B**	**MG/L**		**5**
MW6I	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW6I	06/10/2009	Magnesium	60.8	0.050		MG/L		
MW6I	06/10/2009	Manganese	0.0448	0.0010		MG/L		0.15
MW6I	06/10/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002

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MW6I	06/10/2009	Nickel	0.0042	0.0040		MG/L		0.1
MW6I	06/10/2009	Potassium	14	0.150		MG/L		
MW6I	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW6I	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW6I	06/10/2009	Sodium	83.5	1.0		MG/L		
MW6I	06/10/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW6I	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW6I	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		
MW6I	06/10/2009	Zinc	0.005	0.0050	U	MG/L		5
MW6I	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW6I	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW6I	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW6I	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW6I	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW6I	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW6I	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW6I	06/10/2009	2-Butanone	10	10	U	UG/L		
MW6I	06/10/2009	2-Hexanone	10	10	U	UG/L		
MW6I	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW6I	06/10/2009	Acetone	10	10	U	UG/L		
MW6I	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
MW6I	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW6I	06/10/2009	Bromoform	1	1.0	U	UG/L		
MW6I	06/10/2009	Bromomethane	1	1.0	U	UG/L		
MW6I	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
MW6I	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW6I	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW6I	06/10/2009	Chloroethane	8	1.0		UG/L		
MW6I	06/10/2009	Chloroform	1	1.0	U	UG/L		
MW6I	06/10/2009	Chloromethane	1	1.0	U	UG/L		
MW6I	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW6I	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW6I	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW6I	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW6I	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW6I	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
MW6I	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW6I	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW6I	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW6I	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW6I	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW6I	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW6I	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW10I	06/11/2009	Alkalinity, Total	380	10.0		MG/L		
MW10I	06/11/2009	Chloride	8.1	1.0		MG/L		200
MW10I	06/11/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW10I	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW10I	06/11/2009	Sulfate	32	1.0		MG/L		400
MW10I	06/11/2009	Sulfide	1000	1000	U	UG/L		
MW10I	06/11/2009	Total Dissolved Solids	418	10.0		MG/L		1200
MW10I	06/11/2009	Total Organic Carbon	1.8	1.0		MG/L		
MW10I	06/11/2009	Total Suspended Solids	704	4.0		MG/L		
MW10I	06/11/2009	Aluminum	8.47	0.040		MG/L		
MW10I	06/11/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW10I	06/11/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW10I	06/11/2009	Barium	0.116	0.0050		MG/L	2	2
MW10I	06/11/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW10I	06/11/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW10I	06/11/2009	Calcium	121	0.1		MG/L		
MW10I	06/11/2009	Chromium	0.0181	0.0030		MG/L	0.1	0.1
MW10I	06/11/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW10I	06/11/2009	Copper	0.0078	0.0040		MG/L	1.3	0.65
MW10I	**06/11/2009**	**Iron**	**6.39**	**0.060**		**MG/L**		**5**
MW10I	06/11/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW10I	06/11/2009	Magnesium	65.6	0.050		MG/L		
MW10I	**06/11/2009**	**Manganese**	**0.221**	**0.0010**		**MG/L**		**0.15**
MW10I	06/11/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW10I	06/11/2009	Nickel	0.0158	0.0040		MG/L		0.1
MW10I	06/11/2009	Potassium	2.05	0.150		MG/L		
MW10I	06/11/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW10I	06/11/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW10I	06/11/2009	Sodium	8.2	1.0		MG/L		
MW10I	06/11/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW10I	06/11/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW10I	06/11/2009	Vanadium	0.01	0.0030		MG/L		
MW10I	06/11/2009	Zinc	0.0329	0.0050		MG/L		5
MW10I	06/11/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW10I	06/11/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW10I	06/11/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW10I	06/11/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW10I	06/11/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW10I	06/11/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW10I	06/11/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW10I	06/11/2009	2-Butanone	10	10	U	UG/L		
MW10I	06/11/2009	2-Hexanone	10	10	U	UG/L		
MW10I	06/11/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW10I	06/11/2009	Acetone	10	10	U	UG/L		
MW10I	06/11/2009	Benzene	1	1.0	U	UG/L	5	5
MW10I	06/11/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW10I	06/11/2009	Bromoform	1	1.0	U	UG/L		
MW10I	06/11/2009	Bromomethane	1	1.0	U	UG/L		
MW10I	06/11/2009	Carbon disulfide	5	5.0	U	UG/L		
MW10I	06/11/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW10I	06/11/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW10I	06/11/2009	Chloroethane	1	1.0	U	UG/L		
MW10I	06/11/2009	Chloroform	1	1.0	U	UG/L		
MW10I	06/11/2009	Chloromethane	1	1.0	U	UG/L		
MW10I	06/11/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW10I	06/11/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW10I	06/11/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW10I	06/11/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW10I	06/11/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW10I	06/11/2009	Styrene	1	1.0	U	UG/L	100	100
MW10I	06/11/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW10I	06/11/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW10I	06/11/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW10I	06/11/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW10I	06/11/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW10I	06/11/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW10I	06/11/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW12IR	06/09/2009	Alkalinity, Total	570	10.0		MG/L		
MW12IR	**06/09/2009**	**Chloride**	**420**	**5.0**	**D08**	**MG/L**		**200**
MW12IR	06/09/2009	Nitrate	0.06	0.06	U	MG/L	10	10
MW12IR	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW12IR	06/09/2009	Sulfate	10	10	U, D04	MG/L		400
MW12IR	06/09/2009	Sulfide	1000	1000	U	UG/L		
MW12IR	**06/09/2009**	**Total Dissolved Solids**	**1540**	**10.0**		**MG/L**		**1200**

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MW12IR	06/09/2009	Total Organic Carbon	15.9	1.0		MG/L		
MW12IR	06/09/2009	Total Suspended Solids	4	4.0		MG/L		
MW12IR	06/09/2009	Aluminum	2.3	0.030		MG/L		
MW12IR	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW12IR	06/09/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW12IR	06/09/2009	Barium	0.276	0.0050		MG/L	2	2
MW12IR	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW12IR	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW12IR	06/09/2009	Calcium	147	0.04		MG/L		
MW12IR	***06/09/2009***	***Chromium***	***0.151***	***0.0030***		***MG/L***	***0.1***	***0.1***
MW12IR	06/09/2009	Cobalt	0.0195	0.0030		MG/L		1
MW12IR	06/09/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW12IR	**06/09/2009**	**Iron**	**10**	**0.060**		**MG/L**		**5**
MW12IR	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW12IR	06/09/2009	Magnesium	103	0.050		MG/L		
MW12IR	**06/09/2009**	**Manganese**	**0.249**	**0.0010**		**MG/L**		**0.15**
MW12IR	06/09/2009	Mercury	0.004	0.0040	U	MG/L	0.002	0.002
MW12IR	**06/09/2009**	**Nickel**	**1.1**	**0.0040**		**MG/L**		**0.1**
MW12IR	06/09/2009	Potassium	6.01	0.150		MG/L		
MW12IR	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW12IR	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW12IR	06/09/2009	Sodium	193	1.0		MG/L		
MW12IR	06/09/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW12IR	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW12IR	06/09/2009	Vanadium	0.0048	0.0030		MG/L		
MW12IR	06/09/2009	Zinc	0.0094	0.0050		MG/L		5
MW12IR	06/09/2009	1,2,4-Trichlorobenzene	9.4	9.4	U	UG/L	70	70
MW12IR	06/09/2009	1,2-Dichlorobenzene	9.4	9.4	U	UG/L	600	600
MW12IR	06/09/2009	1,3-Dichlorobenzene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	1,4-Dichlorobenzene	9.4	9.4	U	UG/L	75	75
MW12IR	06/09/2009	2,2'-Oxybis(1-Chloropropane)	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2,4,5-Trichlorophenol	50	50	U	UG/L		
MW12IR	06/09/2009	2,4,6-Trichlorophenol	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2,4-Dichlorophenol	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2,4-Dimethylphenol	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2,4-Dinitrophenol	50	50	U	UG/L		
MW12IR	06/09/2009	2,4-Dinitrotoluene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2,6-Dinitrotoluene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2-Chloronaphthalene	9.4	9.4	U	UG/L		

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MW12IR	06/09/2009	2-Chlorophenol	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2-Methylnaphthalene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2-Methylphenol	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	2-Nitroaniline	50	50	U	UG/L		
MW12IR	06/09/2009	2-Nitrophenol	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	3,3'-Dichlorobenzidine	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	3-Nitroaniline	47	47	U	UG/L		
MW12IR	06/09/2009	4,6-Dinitro-2-methylphenol	47	47	U	UG/L		
MW12IR	06/09/2009	4-Bromophenyl phenyl ether	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	4-Chloro-3-methylphenol	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	4-Chloroaniline	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	4-Chlorophenyl phenyl ether	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	4-Methylphenol	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	4-Nitroaniline	47	47	U	UG/L		
MW12IR	06/09/2009	4-Nitrophenol	47	47	U	UG/L		
MW12IR	06/09/2009	Acenaphthene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Acenaphthylene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Anthracene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Benzo(a)anthracene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Benzo(a)pyrene	9.4	9.4	U	UG/L	0.2	0.2
MW12IR	06/09/2009	Benzo(b)fluoranthene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Benzo(ghi)perylene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Benzo(k)fluoranthene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Bis(2-chloroethoxy)methane	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Bis(2-chloroethyl)ether	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Bis(2-ethylhexyl) phthalate	9.4	9.4	U	UG/L	6	6
MW12IR	06/09/2009	Butyl benzyl phthalate	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Carbazole	10	10	U	UG/L		
MW12IR	06/09/2009	Chrysene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Dibenzo(a,h)anthracene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Dibenzofuran	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Diethyl phthalate	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Dimethyl phthalate	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Di-n-butyl phthalate	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Di-n-octyl phthalate	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Fluoranthene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Fluorene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Hexachlorobenzene	9.4	9.4	U	UG/L	1	
MW12IR	06/09/2009	Hexachlorobutadiene	40	40	U	UG/L		

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MW12IR	06/09/2009	Hexachlorocyclopentadiene	24	24	U	UG/L	50	50
MW12IR	06/09/2009	Hexachloroethane	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Indeno(1,2,3-cd)pyrene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Isophorone	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Naphthalene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Nitrobenzene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	N-Nitrosodi-n-propylamine	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	N-Nitrosodiphenylamine	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Pentachlorophenol	47	47	U, L4	UG/L	1	1
MW12IR	06/09/2009	Phenanthrene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	Phenol	9.4	9.4	U	UG/L		100
MW12IR	06/09/2009	Pyrene	9.4	9.4	U	UG/L		
MW12IR	06/09/2009	1,1,1-Trichloroethane	4	4.0	U, D03	UG/L	200	200
MW12IR	06/09/2009	1,1,2,2-Tetrachloroethane	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	1,1,2-Trichloroethane	4	4.0	U, D03	UG/L	5	5
MW12IR	06/09/2009	1,1-Dichloroethane	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	1,1-Dichloroethene	4	4.0	U, D03	UG/L	7	7
MW12IR	06/09/2009	1,2-Dichloroethane	4	4.0	U, D03	UG/L	5	5
MW12IR	06/09/2009	1,2-Dichloropropane	4	4.0	U, D03	UG/L	5	5
MW12IR	06/09/2009	2-Butanone	20	20	U, D03	UG/L		
MW12IR	06/09/2009	2-Hexanone	20	20	U, D03	UG/L		
MW12IR	06/09/2009	4-Methyl-2-pentanone	20	20	U, D03	UG/L		
MW12IR	06/09/2009	Acetone	20	20	U, D03	UG/L		
MW12IR	06/09/2009	Benzene	4	4.0	U, D03	UG/L	5	5
MW12IR	06/09/2009	Bromodichloromethane	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	Bromoform	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	Bromomethane	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	Carbon disulfide	5	5.0	U, D03	UG/L		
MW12IR	06/09/2009	Carbon Tetrachloride	4	4.0	U, D03	UG/L	5	5
MW12IR	06/09/2009	Chlorobenzene	4	4.0	U, D03	UG/L	100	100
MW12IR	06/09/2009	Chloroethane	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	Chloroform	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	Chloromethane	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	cis-1,2-Dichloroethene	4	4.0	U, D03	UG/L	70	70
MW12IR	06/09/2009	cis-1,3-Dichloropropene	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	Dibromochloromethane	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	Ethylbenzene	4	4.0	U, D03	UG/L	700	700
MW12IR	06/09/2009	Methylene Chloride	4	4.0	U, D03	UG/L	5	5
MW12IR	06/09/2009	Styrene	4	4.0	U, D03	UG/L	100	100

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MW12IR	06/09/2009	Tetrachloroethene	4	4.0	U, D03	UG/L	5	5
MW12IR	06/09/2009	Toluene	4	4.0	U, D03	UG/L	1000	1000
MW12IR	06/09/2009	trans-1,2-Dichloroethene	4	4.0	U, D03	UG/L	100	100
MW12IR	06/09/2009	trans-1,3-Dichloropropene	4	4.0	U, D03	UG/L		
MW12IR	06/09/2009	Trichloroethene	4	4.0	U, D03	UG/L	5	5
MW12IR	06/09/2009	Vinyl chloride	4	4.0	U, D03	UG/L	2	2
MW12IR	06/09/2009	Xylenes, total	12	12	U, D03	UG/L	10000	10000
MW13IR	06/10/2009	Alkalinity, Total	388	10.0		MG/L		
MW13IR	06/10/2009	Chloride	76	1.0	D02	MG/L		200
MW13IR	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW13IR	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW13IR	06/10/2009	Sulfate	31	2.0	D02	MG/L		400
MW13IR	06/10/2009	Sulfide	1000	1000	U	UG/L		
MW13IR	06/10/2009	Total Dissolved Solids	535	10.0		MG/L		1200
MW13IR	06/10/2009	Total Organic Carbon	3.2	1.0		MG/L		
MW13IR	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW13IR	06/10/2009	Aluminum	0.048	0.030	B	MG/L		
MW13IR	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW13IR	06/10/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW13IR	06/10/2009	Barium	0.242	0.0050		MG/L	2	2
MW13IR	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW13IR	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW13IR	06/10/2009	Calcium	87.3	0.04	B	MG/L		
MW13IR	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
MW13IR	06/10/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW13IR	06/10/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW13IR	06/10/2009	Iron	1.49	0.060	B1, B	MG/L		5
MW13IR	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW13IR	06/10/2009	Magnesium	57.4	0.050		MG/L		
MW13IR	06/10/2009	Manganese	0.0535	0.0010		MG/L		0.15
MW13IR	06/10/2009	Mercury	0.004	0.0040	U	MG/L	0.002	0.002
MW13IR	06/10/2009	Nickel	0.004	0.0040	U	MG/L		0.1
MW13IR	06/10/2009	Potassium	6.18	0.150		MG/L		
MW13IR	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW13IR	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW13IR	06/10/2009	Sodium	35.3	1.0		MG/L		
MW13IR	06/10/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW13IR	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW13IR	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW13IR	06/10/2009	Zinc	0.005	0.0050	U	MG/L		5
MW13IR	06/10/2009	1,2,4-Trichlorobenzene	9.4	9.4	U	UG/L	70	70
MW13IR	06/10/2009	1,2-Dichlorobenzene	9.4	9.4	U	UG/L	600	600
MW13IR	06/10/2009	1,3-Dichlorobenzene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	1,4-Dichlorobenzene	9.4	9.4	U	UG/L	75	75
MW13IR	06/10/2009	2,2'-Oxybis(1-Chloropropane)	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2,4,5-Trichlorophenol	50	50	U	UG/L		
MW13IR	06/10/2009	2,4,6-Trichlorophenol	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2,4-Dichlorophenol	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2,4-Dimethylphenol	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2,4-Dinitrophenol	50	50	U	UG/L		
MW13IR	06/10/2009	2,4-Dinitrotoluene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2,6-Dinitrotoluene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2-Chloronaphthalene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2-Chlorophenol	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2-Methylnaphthalene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2-Methylphenol	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	2-Nitroaniline	50	50	U	UG/L		
MW13IR	06/10/2009	2-Nitrophenol	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	3,3'-Dichlorobenzidine	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	3-Nitroaniline	47	47	U	UG/L		
MW13IR	06/10/2009	4,6-Dinitro-2-methylphenol	47	47	U	UG/L		
MW13IR	06/10/2009	4-Bromophenyl phenyl ether	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	4-Chloro-3-methylphenol	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	4-Chloroaniline	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	4-Chlorophenyl phenyl ether	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	4-Methylphenol	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	4-Nitroaniline	47	47	U	UG/L		
MW13IR	06/10/2009	4-Nitrophenol	47	47	U	UG/L		
MW13IR	06/10/2009	Acenaphthene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Acenaphthylene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Anthracene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Benzo(a)anthracene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Benzo(a)pyrene	9.4	9.4	U	UG/L	0.2	0.2
MW13IR	06/10/2009	Benzo(b)fluoranthene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Benzo(ghi)perylene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Benzo(k)fluoranthene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Bis(2-chloroethoxy)methane	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Bis(2-chloroethyl)ether	9.4	9.4	U	UG/L		

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MW13IR	06/10/2009	Bis(2-ethylhexyl) phthalate	9.4	9.4	U	UG/L	6	6
MW13IR	06/10/2009	Butyl benzyl phthalate	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Carbazole	10	10	U	UG/L		
MW13IR	06/10/2009	Chrysene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Dibenzo(a,h)anthracene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Dibenzofuran	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Diethyl phthalate	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Dimethyl phthalate	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Di-n-butyl phthalate	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Di-n-octyl phthalate	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Fluoranthene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Fluorene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Hexachlorobenzene	9.4	9.4	U	UG/L	1	
MW13IR	06/10/2009	Hexachlorobutadiene	40	40	U	UG/L		
MW13IR	06/10/2009	Hexachlorocyclopentadiene	24	24	U	UG/L	50	50
MW13IR	06/10/2009	Hexachloroethane	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Indeno(1,2,3-cd)pyrene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Isophorone	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Naphthalene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Nitrobenzene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	N-Nitrosodi-n-propylamine	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	N-Nitrosodiphenylamine	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Pentachlorophenol	47	47	U	UG/L	1	1
MW13IR	06/10/2009	Phenanthrene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	Phenol	9.4	9.4	U	UG/L		100
MW13IR	06/10/2009	Pyrene	9.4	9.4	U	UG/L		
MW13IR	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW13IR	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW13IR	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW13IR	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW13IR	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW13IR	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW13IR	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW13IR	06/10/2009	2-Butanone	10	10	U	UG/L		
MW13IR	06/10/2009	2-Hexanone	10	10	U	UG/L		
MW13IR	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW13IR	06/10/2009	Acetone	10	10	U	UG/L		
MW13IR	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
MW13IR	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW13IR	06/10/2009	Bromoform	1	1.0	U	UG/L		
MW13IR	06/10/2009	Bromomethane	1	1.0	U	UG/L		
MW13IR	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
MW13IR	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW13IR	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW13IR	06/10/2009	Chloroethane	1	1.0	U	UG/L		
MW13IR	06/10/2009	Chloroform	1	1.0	U	UG/L		
MW13IR	06/10/2009	Chloromethane	1	1.0	U	UG/L		
MW13IR	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW13IR	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW13IR	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW13IR	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW13IR	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW13IR	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
MW13IR	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW13IR	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW13IR	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW13IR	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW13IR	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW13IR	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW13IR	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW39I	06/11/2009	Alkalinity, Total	387	10.0		MG/L		
MW39I	06/11/2009	Chloride	86	1.0	D02	MG/L		200
MW39I	06/11/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW39I	06/11/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW39I	06/11/2009	Sulfate	45	2.0	D02	MG/L		400
MW39I	06/11/2009	Sulfide	1000	1000	U	UG/L		
MW39I	06/11/2009	Total Dissolved Solids	567	10.0		MG/L		1200
MW39I	06/11/2009	Total Organic Carbon	4.6	1.0		MG/L		
MW39I	06/11/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW39I	06/11/2009	Aluminum	0.243	0.040	CF6, B	MG/L		
MW39I	06/11/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW39I	06/11/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW39I	06/11/2009	Barium	0.12	0.0050		MG/L	2	2
MW39I	06/11/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW39I	06/11/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW39I	06/11/2009	Calcium	85.2	0.1		MG/L		
MW39I	06/11/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
MW39I	06/11/2009	Cobalt	0.003	0.0030	U	MG/L		1

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW39I	06/11/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW39I	06/11/2009	Iron	0.533	0.060		MG/L		5
MW39I	06/11/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW39I	06/11/2009	Magnesium	58.6	0.050		MG/L		
MW39I	**06/11/2009**	**Manganese**	**0.32**	**0.0010**		**MG/L**		**0.15**
MW39I	06/11/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW39I	06/11/2009	Nickel	0.005	0.0040		MG/L		0.1
MW39I	06/11/2009	Potassium	2.45	0.150		MG/L		
MW39I	06/11/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW39I	06/11/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW39I	06/11/2009	Sodium	51.8	1.0		MG/L		
MW39I	06/11/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW39I	06/11/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW39I	06/11/2009	Vanadium	0.003	0.0030	U	MG/L		
MW39I	06/11/2009	Zinc	0.005	0.0050	U	MG/L		5
MW39I	06/11/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW39I	06/11/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW39I	06/11/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW39I	06/11/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW39I	06/11/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW39I	06/11/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW39I	06/11/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW39I	06/11/2009	2-Butanone	10	10	U	UG/L		
MW39I	06/11/2009	2-Hexanone	10	10	U	UG/L		
MW39I	06/11/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW39I	06/11/2009	Acetone	10	10	U	UG/L		
MW39I	06/11/2009	Benzene	1	1.0	U	UG/L	5	5
MW39I	06/11/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW39I	06/11/2009	Bromoform	1	1.0	U	UG/L		
MW39I	06/11/2009	Bromomethane	1	1.0	U	UG/L		
MW39I	06/11/2009	Carbon disulfide	5	5.0	U	UG/L		
MW39I	06/11/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW39I	06/11/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW39I	06/11/2009	Chloroethane	1	1.0	U	UG/L		
MW39I	06/11/2009	Chloroform	1	1.0	U	UG/L		
MW39I	06/11/2009	Chloromethane	1	1.0	U	UG/L		
MW39I	06/11/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW39I	06/11/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW39I	06/11/2009	Dibromochloromethane	1	1.0	U	UG/L		

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MW39I	06/11/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW39I	06/11/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW39I	06/11/2009	Styrene	1	1.0	U	UG/L	100	100
MW39I	06/11/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW39I	06/11/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW39I	06/11/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW39I	06/11/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW39I	06/11/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW39I	06/11/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW39I	06/11/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Environmental Monitoring and Technologies, Inc.
All other laboratory analyses performed by TestAmerica Buffalo.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
B1 = Analyte was detected in the associated Method Blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
CF6 = Results confirmed by reanalysis.
D02 = Dilution required due to sample matrix effects.
D03 = Dilution required due to excessive foaming.
D04 = Dilution required due to high levels of non-target analyte(s).
D08 = Dilution required due to high concentration of target analyte(s).
L4 = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
U = Analyte was not detected above the reporting limit.

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Well ID	Sample Date	Parameter	Result	Qualifier	Units
G142	06/10/2009	Depth to Water from Land Surface	19.23		FEET
G142	06/10/2009	Depth to Water from Top of Casing	21.03		FEET
G142	06/09/2009	Depth to Water from Top of Casing (initial)	21.7		FEET
G142	06/10/2009	Dissolved Oxygen, Field	1.36		MG/L
G142	06/10/2009	Elevation Bottom of Well	722.69		FT/MSL
G142	06/29/2009	Ferrous Iron	0.3		PPM
G142	06/10/2009	Field EH/ORP	-14.2		MILLIVOLTS
G142	06/10/2009	Measuring Point Elevation	758.49		FT/MSL
G142	06/10/2009	pH, Field	7		SU
G142	06/10/2009	Specific Conductance, Field	2610		UMHOS/CM
G142	06/10/2009	Temperature, Field (°F)	55.2		°F
G142	06/10/2009	Turbidity	24.5		TEXT
G142	06/10/2009	Water Elevation	737.46		FT/MSL
G142	06/09/2009	Water Elevation (initial)	736.79		FT/MSL
MW1I1	06/10/2009	Depth to Water from Land Surface	12.2		FEET
MW1I1	06/10/2009	Depth to Water from Top of Casing	14		FEET
MW1I1	06/09/2009	Depth to Water from Top of Casing (initial)	13.94		FEET
MW1I1	06/10/2009	Dissolved Oxygen, Field	4.68		MG/L
MW1I1	06/10/2009	Elevation Bottom of Well	706.75		FT/MSL
MW1I1	06/10/2009	Ferrous Iron	0	U	PPM
MW1I1	06/10/2009	Field EH/ORP	-103.1		MILLIVOLTS
MW1I1	06/10/2009	Measuring Point Elevation	740.97		FT/MSL
MW1I1	06/10/2009	pH, Field	7.36		SU
MW1I1	06/10/2009	Specific Conductance, Field	851		UMHOS/CM
MW1I1	06/10/2009	Temperature, Field (°F)	51		°F
MW1I1	06/10/2009	Turbidity	3.15		TEXT
MW1I1	06/10/2009	Water Elevation	726.97		FT/MSL
MW1I1	06/09/2009	Water Elevation (initial)	727.03		FT/MSL
MW1I2	06/10/2009	Depth to Water from Land Surface	10.7		FEET
MW1I2	06/10/2009	Depth to Water from Top of Casing	12.26		FEET
MW1I2	06/09/2009	Depth to Water from Top of Casing (initial)	12.3		FEET
MW1I2	06/10/2009	Dissolved Oxygen, Field	2.01		MG/L
MW1I2	06/10/2009	Elevation Bottom of Well	689.19		FT/MSL
MW1I2	06/10/2009	Ferrous Iron	0	U	PPM
MW1I2	06/10/2009	Field EH/ORP	-93.6		MILLIVOLTS
MW1I2	06/10/2009	Measuring Point Elevation	741.3		FT/MSL
MW1I2	06/10/2009	pH, Field	7.62		SU
MW1I2	06/10/2009	Specific Conductance, Field	972		UMHOS/CM
MW1I2	06/10/2009	Temperature, Field (°F)	52.3		°F

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Well ID	Sample Date	Parameter	Result	Qualifier	Units
MW1I2	06/10/2009	Turbidity	6.88		TEXT
MW1I2	06/10/2009	Water Elevation	729.04		FT/MSL
MW1I2	06/09/2009	Water Elevation (initial)	729		FT/MSL
MW2IR	06/09/2009	Depth to Water from Land Surface	22.68		FEET
MW2IR	06/09/2009	Depth to Water from Top of Casing	25.09		FEET
MW2IR	06/09/2009	Depth to Water from Top of Casing (initial)	25.09		FEET
MW2IR	06/09/2009	Dissolved Oxygen, Field	3.1		MG/L
MW2IR	06/09/2009	Elevation Bottom of Well	708.96		FT/MSL
MW2IR	06/09/2009	Ferrous Iron	0.11		PPM
MW2IR	06/09/2009	Field EH/ORP	73.5		MILLIVOLTS
MW2IR	06/09/2009	Measuring Point Elevation	759.15		FT/MSL
MW2IR	06/09/2009	pH, Field	7.5		SU
MW2IR	06/09/2009	Specific Conductance, Field	341		UMHOS/CM
MW2IR	06/09/2009	Temperature, Field (°F)	55.1		°F
MW2IR	06/09/2009	Turbidity	39.1		TEXT
MW2IR	06/09/2009	Water Elevation	734.06		FT/MSL
MW2IR	06/09/2009	Water Elevation (initial)	734.06		FT/MSL
MW5IR	06/09/2009	Depth to Water from Land Surface	12.8		FEET
MW5IR	06/09/2009	Depth to Water from Top of Casing	13.9		FEET
MW5IR	06/09/2009	Depth to Water from Top of Casing (initial)	13.95		FEET
MW5IR	06/09/2009	Dissolved Oxygen, Field	2.31		MG/L
MW5IR	06/09/2009	Elevation Bottom of Well	708.75		FT/MSL
MW5IR	06/29/2009	Ferrous Iron	0.09		PPM
MW5IR	06/09/2009	Field EH/ORP	3.2		MILLIVOLTS
MW5IR	06/09/2009	Measuring Point Elevation	746.87		FT/MSL
MW5IR	06/09/2009	pH, Field	7.34		SU
MW5IR	06/09/2009	Specific Conductance, Field	499		UMHOS/CM
MW5IR	06/09/2009	Temperature, Field (°F)	52.8		°F
MW5IR	06/09/2009	Turbidity	36.1		TEXT
MW5IR	06/09/2009	Water Elevation	732.97		FT/MSL
MW5IR	06/09/2009	Water Elevation (initial)	732.92		FT/MSL
MW6I	06/10/2009	Depth to Water from Land Surface	10.26		FEET
MW6I	06/10/2009	Depth to Water from Top of Casing	12.66		FEET
MW6I	06/09/2009	Depth to Water from Top of Casing (initial)	12.62		FEET
MW6I	06/10/2009	Dissolved Oxygen, Field	1.89		MG/L
MW6I	06/10/2009	Elevation Bottom of Well	705.3		FT/MSL
MW6I	06/10/2009	Ferrous Iron	2.88		PPM
MW6I	06/10/2009	Field EH/ORP	-91.5		MILLIVOLTS
MW6I	06/10/2009	Measuring Point Elevation	743.94		FT/MSL

Appendix D
Tri-County Landfill
Intermediate Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Qualifier	Units
MW6I	06/10/2009	pH, Field	7.06		SU
MW6I	06/10/2009	Specific Conductance, Field	1138		UMHOS/CM
MW6I	06/10/2009	Temperature, Field (°F)	51.3		°F
MW6I	06/10/2009	Turbidity	8.15		TEXT
MW6I	06/10/2009	Water Elevation	731.28		FT/MSL
MW6I	06/09/2009	Water Elevation (initial)	731.32		FT/MSL
MW10I	06/11/2009	Depth to Water from Land Surface	20.08		FEET
MW10I	06/11/2009	Depth to Water from Top of Casing	21.88		FEET
MW10I	06/09/2009	Depth to Water from Top of Casing (initial)	21.91		FEET
MW10I	06/11/2009	Dissolved Oxygen, Field	7.04		MG/L
MW10I	06/11/2009	Elevation Bottom of Well	700.23		FT/MSL
MW10I	06/11/2009	Ferrous Iron	0.36		PPM
MW10I	06/11/2009	Field EH/ORP	-38.6		MILLIVOLTS
MW10I	06/11/2009	Measuring Point Elevation	756.12		FT/MSL
MW10I	06/11/2009	pH, Field	6.91		SU
MW10I	06/11/2009	Specific Conductance, Field	675		UMHOS/CM
MW10I	06/11/2009	Temperature, Field (°F)	52.3		°F
MW10I	06/11/2009	Turbidity	179		TEXT
MW10I	06/11/2009	Water Elevation	734.24		FT/MSL
MW10I	06/09/2009	Water Elevation (initial)	734.21		FT/MSL
MW12IR	06/09/2009	Depth to Water from Land Surface	20.88		FEET
MW12IR	06/09/2009	Depth to Water from Top of Casing	22.79		FEET
MW12IR	06/09/2009	Depth to Water from Top of Casing (initial)	22.77		FEET
MW12IR	06/09/2009	Dissolved Oxygen, Field	2.94		MG/L
MW12IR	06/09/2009	Elevation Bottom of Well	705.04		FT/MSL
MW12IR	06/09/2009	Ferrous Iron	0.17		PPM
MW12IR	06/09/2009	Field EH/ORP	-44.3		MILLIVOLTS
MW12IR	06/09/2009	Measuring Point Elevation	757.28		FT/MSL
MW12IR	06/09/2009	pH, Field	6.79		SU
MW12IR	06/09/2009	Specific Conductance, Field	1804		UMHOS/CM
MW12IR	06/09/2009	Temperature, Field (°F)	51.8		°F
MW12IR	06/09/2009	Turbidity	67.4		TEXT
MW12IR	06/09/2009	Water Elevation	734.49		FT/MSL
MW12IR	06/09/2009	Water Elevation (initial)	734.51		FT/MSL
MW13IR	06/10/2009	Depth to Water from Land Surface	23.39		FEET
MW13IR	06/10/2009	Depth to Water from Top of Casing	23.81		FEET
MW13IR	06/09/2009	Depth to Water from Top of Casing (initial)	23.89		FEET
MW13IR	06/10/2009	Dissolved Oxygen, Field	1.92		MG/L
MW13IR	06/10/2009	Elevation Bottom of Well	720.55		FT/MSL

Appendix D
Tri-County Landfill
Intermediate Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Qualifier	Units
MW13IR	06/10/2009	Ferrous Iron	0	U	PPM
MW13IR	06/10/2009	Field EH/ORP	-93.3		MILLIVOLTS
MW13IR	06/10/2009	Measuring Point Elevation	757.6		FT/MSL
MW13IR	06/10/2009	pH, Field	7.17		SU
MW13IR	06/10/2009	Specific Conductance, Field	846		UMHOS/CM
MW13IR	06/10/2009	Temperature, Field (°F)	54.3		°F
MW13IR	06/10/2009	Turbidity	1.36		TEXT
MW13IR	06/10/2009	Water Elevation	733.79		FT/MSL
MW13IR	06/09/2009	Water Elevation (initial)	733.71		FT/MSL
MW39I	06/11/2009	Depth to Water from Land Surface	10.67		FEET
MW39I	06/11/2009	Depth to Water from Top of Casing	12.48		FEET
MW39I	06/09/2009	Depth to Water from Top of Casing (initial)	12.42		FEET
MW39I	06/11/2009	Dissolved Oxygen, Field	1.94		MG/L
MW39I	06/11/2009	Elevation Bottom of Well	705.83		FT/MSL
MW39I	06/11/2009	Ferrous Iron	0.23		PPM
MW39I	06/11/2009	Field EH/ORP	-26.5		MILLIVOLTS
MW39I	06/11/2009	Measuring Point Elevation	738.91		FT/MSL
MW39I	06/11/2009	pH, Field	7.43		SU
MW39I	06/11/2009	Specific Conductance, Field	828		UMHOS/CM
MW39I	06/11/2009	Temperature, Field (°F)	50.3		°F
MW39I	06/11/2009	Turbidity	7.91		TEXT
MW39I	06/11/2009	Water Elevation	726.43		FT/MSL
MW39I	06/09/2009	Water Elevation (initial)	726.49		FT/MSL

Qualifiers:
U = Analyte was not detected above the reporting limit.

Appendix D
Elgin Landfill
Intermediate Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G141	06/24/2009	Alkalinity, Total	313	0.79		MG/L		
G141	06/24/2009	Chloride	79	0.28		MG/L		200
G141	06/24/2009	Nitrate	0.01	0.01	U	MG/L	10	10
G141	06/24/2009	Nitrite	0.01	0.01	U	MG/L	1	
G141	06/24/2009	Sulfate	0.35	0.35	U	MG/L		400
G141	06/24/2009	Sulfide	700	700	U	UG/L		
G141	06/24/2009	Total Dissolved Solids	430	4.0		MG/L		1200
G141	06/24/2009	Total Organic Carbon	3.2	0.4		MG/L		
G141	06/24/2009	Total Suspended Solids	5.2	4.0		MG/L		
G141	06/24/2009	Aluminum	0.149	0.039		MG/L		
G141	06/24/2009	Antimony	0.0002	0.0002	J	MG/L	6	6
G141	06/24/2009	Arsenic	0.004	0.00007		MG/L	0.01	0.05
G141	06/24/2009	Barium	0.128	0.0003		MG/L	2	2
G141	06/24/2009	Beryllium	0.00001	0.00001	U, I	MG/L	0.004	0.004
G141	06/24/2009	Cadmium	0.0003	0.0003	J	MG/L	0.005	0.005
G141	06/24/2009	Calcium	74.2	0.04	B	MG/L		
G141	06/24/2009	Chromium	0.0009	0.0009	U	MG/L	0.1	0.1
G141	06/24/2009	Cobalt	0.0005	0.0005	U	MG/L		1
G141	06/24/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
G141	06/24/2009	Iron	2.08	0.019		MG/L		5
G141	06/24/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
G141	06/24/2009	Magnesium	47.5	0.043	B	MG/L		
G141	06/24/2009	Manganese	0.025	0.0002		MG/L		0.15
G141	06/24/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
G141	06/24/2009	Nickel	0.0019	0.0013	J, B	MG/L		0.1
G141	06/24/2009	Potassium	2.25	0.028		MG/L		
G141	06/24/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
G141	06/24/2009	Silver	0.0012	0.0012	U	MG/L		0.05
G141	06/24/2009	Sodium	17	0.3		MG/L		
G141	06/24/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
G141	06/24/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
G141	06/24/2009	Vanadium	0.0011	0.0011	U	MG/L		
G141	06/24/2009	Zinc	0.0032	0.0015	J	MG/L		5
G141	06/24/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
G141	06/24/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
G141	06/24/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
G141	06/24/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
G141	06/24/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
G141	06/24/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G141	06/24/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
G141	06/24/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
G141	06/24/2009	2-Butanone	1.3	1.3	U	UG/L		
G141	06/24/2009	2-Hexanone	1.2	1.2	U	UG/L		
G141	06/24/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
G141	06/24/2009	Acetone	1.3	1.3	U	UG/L		
G141	06/24/2009	Benzene	0.16	0.16	U	UG/L	5	5
G141	06/24/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
G141	06/24/2009	Bromoform	0.26	0.26	U	UG/L		
G141	06/24/2009	Bromomethane	0.28	0.28	U	UG/L		
G141	06/24/2009	Carbon disulfide	0.19	0.19	U	UG/L		
G141	06/24/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
G141	06/24/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
G141	06/24/2009	Chloroethane	0.32	0.32	U	UG/L		
G141	06/24/2009	Chloroform	0.34	0.34	U	UG/L		
G141	06/24/2009	Chloromethane	0.35	0.35	U	UG/L		
G141	06/24/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
G141	06/24/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
G141	06/24/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
G141	06/24/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
G141	06/24/2009	Styrene	0.18	0.18	U	UG/L	100	100
G141	06/24/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
G141	06/24/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
G141	06/24/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
G141	06/24/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
G141	06/24/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
G141	06/24/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW9I	06/23/2009	Alkalinity, Total	369	0.79		MG/L		
MW9I	06/23/2009	Chloride	46	1.4	D04	MG/L		200
MW9I	06/23/2009	Nitrate	0.097	0.01		MG/L	10	10
MW9I	06/23/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW9I	06/23/2009	Sulfate	95	1.7	D08	MG/L		400
MW9I	06/23/2009	Sulfide	700	700	U	UG/L		
MW9I	06/23/2009	Total Dissolved Solids	489	4.0		MG/L		1200
MW9I	06/23/2009	Total Organic Carbon	1	0.4		MG/L		
MW9I	06/23/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW9I	06/23/2009	Aluminum	0.039	0.039	U	MG/L		
MW9I	06/23/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
MW9I	06/23/2009	Arsenic	0.0002	0.00007	J	MG/L	0.01	0.05

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW9I	06/23/2009	Barium	0.0745	0.0003		MG/L	2	2
MW9I	06/23/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
MW9I	06/23/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW9I	06/23/2009	Calcium	113	0.04	B	MG/L		
MW9I	06/23/2009	Chromium	0.003	0.0009	J	MG/L	0.1	0.1
MW9I	06/23/2009	Cobalt	0.0009	0.0005	J	MG/L		1
MW9I	06/23/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
MW9I	06/23/2009	Iron	0.076	0.019	J	MG/L		5
MW9I	06/23/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW9I	06/23/2009	Magnesium	51	0.043		MG/L		
MW9I	06/23/2009	Manganese	0.0057	0.0002	B	MG/L		0.15
MW9I	06/23/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW9I	06/23/2009	Nickel	0.0061	0.0013	J	MG/L		0.1
MW9I	06/23/2009	Potassium	1.77	0.028	J	MG/L		
MW9I	06/23/2009	Selenium	0.0076	0.0061	J	MG/L	0.05	0.05
MW9I	06/23/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW9I	06/23/2009	Sodium	19.7	0.3		MG/L		
MW9I	06/23/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW9I	06/23/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW9I	06/23/2009	Vanadium	0.0011	0.0011	U	MG/L		
MW9I	06/23/2009	Zinc	0.0015	0.0015	U	MG/L		5
MW9I	06/23/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW9I	06/23/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW9I	06/23/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW9I	06/23/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW9I	06/23/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW9I	06/23/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW9I	06/23/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW9I	06/23/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW9I	06/23/2009	2-Butanone	1.3	1.3	U	UG/L		
MW9I	06/23/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW9I	06/23/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW9I	06/23/2009	Acetone	1.3	1.3	U	UG/L		
MW9I	06/23/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW9I	06/23/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW9I	06/23/2009	Bromoform	0.26	0.26	U	UG/L		
MW9I	06/23/2009	Bromomethane	0.28	0.28	U	UG/L		
MW9I	06/23/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW9I	06/23/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW9I	06/23/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW9I	06/23/2009	Chloroethane	0.32	0.32	U	UG/L		
MW9I	06/23/2009	Chloroform	0.34	0.34	U	UG/L		
MW9I	06/23/2009	Chloromethane	0.35	0.35	U	UG/L		
MW9I	06/23/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW9I	06/23/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW9I	06/23/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW9I	06/23/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW9I	06/23/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW9I	06/23/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW9I	06/23/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW9I	06/23/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW9I	06/23/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW9I	06/23/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW9I	06/23/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW22I	06/24/2009	Alkalinity, Total	461	0.79		MG/L		
MW22I	06/24/2009	Chloride	35	0.28		MG/L		200
MW22I	06/25/2009	Nitrate	0.01	0.01	U	MG/L	10	10
MW22I	06/25/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW22I	06/24/2009	Sulfate	68	0.35		MG/L		400
MW22I	06/24/2009	Sulfide	700	700	U	UG/L		
MW22I	06/24/2009	Total Dissolved Solids	587	4.0		MG/L		1200
MW22I	06/24/2009	Total Organic Carbon	3.7	0.4	D08	MG/L		
MW22I	06/24/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW22I	06/24/2009	Aluminum	0.039	0.039	U	MG/L		
MW22I	06/24/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
MW22I	06/24/2009	Arsenic	0.0075	0.00007		MG/L	0.01	0.05
MW22I	06/24/2009	Barium	0.153	0.0003		MG/L	2	2
MW22I	06/24/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
MW22I	06/24/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW22I	06/24/2009	Calcium	110	0.04	B	MG/L		
MW22I	06/24/2009	Chromium	0.0009	0.0009	U	MG/L	0.1	0.1
MW22I	06/24/2009	Cobalt	0.0023	0.0005	J	MG/L		1
MW22I	06/24/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
MW22I	**06/24/2009**	**Iron**	**5.85**	**0.019**		**MG/L**		**5**
MW22I	06/24/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW22I	06/24/2009	Magnesium	61.7	0.043		MG/L		
MW22I	**06/24/2009**	**Manganese**	**0.16**	**0.0002**		**MG/L**		**0.15**
MW22I	06/24/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW22I	06/24/2009	Nickel	0.0035	0.0013	J	MG/L		0.1
MW22I	06/24/2009	Potassium	17	0.028		MG/L		
MW22I	06/24/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW22I	06/24/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW22I	06/24/2009	Sodium	30.6	0.3		MG/L		
MW22I	06/24/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW22I	06/24/2009	Total Cyanide	0.005	0.0050	U, L	MG/L	200	200
MW22I	06/24/2009	Vanadium	0.0011	0.0011	U	MG/L		
MW22I	06/24/2009	Zinc	0.0024	0.0015	J	MG/L		5
MW22I	06/24/2009	1,2,4-Trichlorobenzene	0.11	0.11	U	UG/L	70	70
MW22I	06/24/2009	1,2-Dichlorobenzene	1.4	1.4	U	UG/L	600	600
MW22I	06/24/2009	1,3-Dichlorobenzene	0.13	0.13	U	UG/L		
MW22I	06/24/2009	1,4-Dichlorobenzene	0.15	0.15	U	UG/L	75	75
MW22I	06/24/2009	2,2'-Oxybis(1-Chloropropane)	3.8	3.8	U	UG/L		
MW22I	06/24/2009	2,4,5-Trichlorophenol	0.93	0.93	U	UG/L		
MW22I	06/24/2009	2,4,6-Trichlorophenol	0.94	0.94	U	UG/L		
MW22I	06/24/2009	2,4-Dichlorophenol	0.74	0.74	U	UG/L		
MW22I	06/24/2009	2,4-Dimethylphenol	0.91	0.91	U	UG/L		
MW22I	06/24/2009	2,4-Dinitrophenol	2.1	2.1	U	UG/L		
MW22I	06/24/2009	2,4-Dinitrotoluene	0.42	0.42	U	UG/L		
MW22I	06/24/2009	2,6-Dinitrotoluene	0.48	0.48	U	UG/L		
MW22I	06/24/2009	2-Chloronaphthalene	0.079	0.079	U	UG/L		
MW22I	06/24/2009	2-Chlorophenol	0.48	0.48	U, L2	UG/L		
MW22I	06/24/2009	2-Methylnaphthalene	0.077	0.077	U	UG/L		
MW22I	06/24/2009	2-Methylphenol	0.22	0.22	U	UG/L		
MW22I	06/24/2009	2-Nitroaniline	0.47	0.47	U	UG/L		
MW22I	06/24/2009	2-Nitrophenol	0.57	0.57	U	UG/L		
MW22I	06/24/2009	3,3'-Dichlorobenzidine	0.35	0.35	U	UG/L		
MW22I	06/24/2009	3-Nitroaniline	1.5	1.5	U	UG/L		
MW22I	06/24/2009	4,6-Dinitro-2-methylphenol	2.1	2.1	U	UG/L		
MW22I	06/24/2009	4-Bromophenyl phenyl ether	0.85	0.85	U	UG/L		
MW22I	06/24/2009	4-Chloro-3-methylphenol	0.56	0.56	U, L2	UG/L		
MW22I	06/24/2009	4-Chloroaniline	0.31	0.31	U	UG/L		
MW22I	06/24/2009	4-Chlorophenyl phenyl ether	0.16	0.16	U	UG/L		
MW22I	06/24/2009	4-Methylphenol	0.55	0.55	U	UG/L		
MW22I	06/24/2009	4-Nitroaniline	0.43	0.43	U	UG/L		
MW22I	06/24/2009	4-Nitrophenol	1.4	1.4	U	UG/L		
MW22I	06/24/2009	Acenaphthene	0.11	0.11	U	UG/L		
MW22I	06/24/2009	Acenaphthylene	0.044	0.044	U	UG/L		

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MW22I	06/24/2009	Anthracene	0.053	0.053	U	UG/L		
MW22I	06/24/2009	Benzo(a)anthracene	0.06	0.060	U	UG/L		
MW22I	06/24/2009	Benzo(a)pyrene	0.086	0.086	U	UG/L	0.2	0.2
MW22I	06/24/2009	Benzo(b)fluoranthene	0.059	0.059	U	UG/L		
MW22I	06/24/2009	Benzo(ghi)perylene	0.074	0.074	U	UG/L		
MW22I	06/24/2009	Benzo(k)fluoranthene	0.062	0.062	U	UG/L		
MW22I	06/24/2009	Bis(2-chloroethoxy)methane	0.35	0.35	U	UG/L		
MW22I	06/24/2009	Bis(2-chloroethyl)ether	0.17	0.17	U	UG/L		
MW22I	06/24/2009	Bis(2-ethylhexyl) phthalate	4.5	4.5	U	UG/L	6	6
MW22I	06/24/2009	Butyl benzyl phthalate	1.6	1.6	U	UG/L		
MW22I	06/24/2009	Carbazole	0.084	0.084	U	UG/L		
MW22I	06/24/2009	Chrysene	0.26	0.26	U	UG/L		
MW22I	06/24/2009	Dibenzo(a,h)anthracene	0.19	0.19	U	UG/L		
MW22I	06/24/2009	Dibenzofuran	1.5	1.5	U	UG/L		
MW22I	06/24/2009	Diethyl phthalate	0.1	0.10	U	UG/L		
MW22I	06/24/2009	Dimethyl phthalate	0.28	0.28	U	UG/L		
MW22I	06/24/2009	Di-n-butyl phthalate	0.28	0.28	U	UG/L		
MW22I	06/24/2009	Di-n-octyl phthalate	0.23	0.23	U	UG/L		
MW22I	06/24/2009	Fluoranthene	0.092	0.092	U	UG/L		
MW22I	06/24/2009	Fluorene	0.07	0.070	U	UG/L		
MW22I	06/24/2009	Hexachlorobenzene	0.42	0.42	U	UG/L	1	
MW22I	06/24/2009	Hexachlorobutadiene	2.4	2.4	U	UG/L		
MW22I	06/24/2009	Hexachlorocyclopentadiene	2.4	2.4	U	UG/L	50	50
MW22I	06/24/2009	Hexachloroethane	2.7	2.7	U	UG/L		
MW22I	06/24/2009	Indeno(1,2,3-cd)pyrene	0.14	0.14	U	UG/L		
MW22I	06/24/2009	Isophorone	0.3	0.30	U	UG/L		
MW22I	06/24/2009	Naphthalene	0.11	0.11	U	UG/L		
MW22I	06/24/2009	Nitrobenzene	0.51	0.51	U	UG/L		
MW22I	06/24/2009	N-Nitrosodi-n-propylamine	0.43	0.43	U	UG/L		
MW22I	06/24/2009	N-Nitrosodiphenylamine	0.25	0.25	U	UG/L		
MW22I	06/24/2009	Pentachlorophenol	4.8	4.8	U	UG/L	1	1
MW22I	06/24/2009	Phenanthrene	0.11	0.11	U	UG/L		
MW22I	06/24/2009	Phenol	0.42	0.42	U	UG/L		100
MW22I	06/24/2009	Pyrene	0.064	0.064	U	UG/L		
MW22I	06/24/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW22I	06/24/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW22I	06/24/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW22I	06/24/2009	1,1-Dichloroethane	0.94	0.75	J	UG/L		
MW22I	06/24/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7

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MW22I	06/24/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW22I	06/24/2009	1,2-Dichloroethene, Total	0.8	0.70	J	UG/L		
MW22I	06/24/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW22I	06/24/2009	2-Butanone	1.3	1.3	U	UG/L		
MW22I	06/24/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW22I	06/24/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW22I	06/24/2009	Acetone	1.3	1.3	U	UG/L		
MW22I	06/24/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW22I	06/24/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW22I	06/24/2009	Bromoform	0.26	0.26	U	UG/L		
MW22I	06/24/2009	Bromomethane	0.28	0.28	U	UG/L		
MW22I	06/24/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW22I	06/24/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW22I	06/24/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW22I	06/24/2009	Chloroethane	0.32	0.32	U	UG/L		
MW22I	06/24/2009	Chloroform	0.34	0.34	U	UG/L		
MW22I	06/24/2009	Chloromethane	0.35	0.35	U	UG/L		
MW22I	06/24/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW22I	06/24/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW22I	06/24/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW22I	06/24/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW22I	06/24/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW22I	06/24/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW22I	06/24/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW22I	06/24/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW22I	06/24/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW22I	06/24/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW22I	06/24/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW23I	06/24/2009	Alkalinity, Total	612	0.79		MG/L		
MW23I	06/24/2009	Chloride	180	2.8	D08	MG/L		200
MW23I	06/24/2009	Nitrate	0.01	0.01	U	MG/L	10	10
MW23I	06/24/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW23I	06/24/2009	Sulfate	70	3.5	D04	MG/L		400
MW23I	06/24/2009	Sulfide	700	700	U	UG/L		
MW23I	06/24/2009	Total Dissolved Solids	919	4.0		MG/L		1200
MW23I	06/24/2009	Total Organic Carbon	10.5	0.4		MG/L		
MW23I	06/24/2009	Total Suspended Solids	15.2	4.0		MG/L		
MW23I	06/24/2009	Aluminum	0.314	0.039		MG/L		
MW23I	06/24/2009	Antimony	0.0006	0.0002	J	MG/L	6	6

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MW23I	06/24/2009	Arsenic	0.0019	0.00007		MG/L	0.01	0.05
MW23I	06/24/2009	Barium	0.583	0.0003		MG/L	2	2
MW23I	06/24/2009	Beryllium	0.00001	0.00001	U, I	MG/L	0.004	0.004
MW23I	06/24/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW23I	06/24/2009	Calcium	102	0.04	B	MG/L		
MW23I	06/24/2009	Chromium	0.0018	0.0009	J	MG/L	0.1	0.1
MW23I	06/24/2009	Cobalt	0.0015	0.0005	J	MG/L		1
MW23I	06/24/2009	Copper	0.0071	0.0013	J	MG/L	1.3	0.65
MW23I	06/24/2009	Iron	2.9	0.019		MG/L		5
MW23I	06/24/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW23I	06/24/2009	Magnesium	72.4	0.043	B	MG/L		
MW23I	06/24/2009	Manganese	0.095	0.0002		MG/L		0.15
MW23I	06/24/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW23I	06/24/2009	Nickel	0.0057	0.0013	J, B	MG/L		0.1
MW23I	06/24/2009	Potassium	29.1	0.028		MG/L		
MW23I	06/24/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW23I	06/24/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW23I	06/24/2009	Sodium	149	0.3		MG/L		
MW23I	06/24/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW23I	06/24/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW23I	06/24/2009	Vanadium	0.0013	0.0011	J	MG/L		
MW23I	06/24/2009	Zinc	0.0036	0.0015	J	MG/L		5
MW23I	06/24/2009	1,2,4-Trichlorobenzene	0.11	0.11	U	UG/L	70	70
MW23I	06/24/2009	1,2-Dichlorobenzene	1.4	1.4	U	UG/L	600	600
MW23I	06/24/2009	1,3-Dichlorobenzene	0.13	0.13	U	UG/L		
MW23I	06/24/2009	1,4-Dichlorobenzene	0.15	0.15	U	UG/L	75	75
MW23I	06/24/2009	2,2'-Oxybis(1-Chloropropane)	3.8	3.8	U	UG/L		
MW23I	06/24/2009	2,4,5-Trichlorophenol	0.94	0.94	U	UG/L		
MW23I	06/24/2009	2,4,6-Trichlorophenol	0.95	0.95	U	UG/L		
MW23I	06/24/2009	2,4-Dichlorophenol	0.75	0.75	U	UG/L		
MW23I	06/24/2009	2,4-Dimethylphenol	0.92	0.92	U	UG/L		
MW23I	06/24/2009	2,4-Dinitrophenol	2.1	2.1	U	UG/L		
MW23I	06/24/2009	2,4-Dinitrotoluene	0.43	0.43	U	UG/L		
MW23I	06/24/2009	2,6-Dinitrotoluene	0.49	0.49	U	UG/L		
MW23I	06/24/2009	2-Chloronaphthalene	0.08	0.080	U	UG/L		
MW23I	06/24/2009	2-Chlorophenol	0.48	0.48	U	UG/L		
MW23I	06/24/2009	2-Methylnaphthalene	0.078	0.078	U	UG/L		
MW23I	06/24/2009	2-Methylphenol	0.22	0.22	U	UG/L		
MW23I	06/24/2009	2-Nitroaniline	0.47	0.47	U	UG/L		

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MW23I	06/24/2009	2-Nitrophenol	0.57	0.57	U	UG/L		
MW23I	06/24/2009	3,3'-Dichlorobenzidine	0.36	0.36	U	UG/L		
MW23I	06/24/2009	3-Nitroaniline	1.5	1.5	U	UG/L		
MW23I	06/24/2009	4,6-Dinitro-2-methylphenol	2.2	2.2	U	UG/L		
MW23I	06/24/2009	4-Bromophenyl phenyl ether	0.86	0.86	U	UG/L		
MW23I	06/24/2009	4-Chloro-3-methylphenol	0.57	0.57	U	UG/L		
MW23I	06/24/2009	4-Chloroaniline	0.31	0.31	U	UG/L		
MW23I	06/24/2009	4-Chlorophenyl phenyl ether	0.16	0.16	U	UG/L		
MW23I	06/24/2009	4-Methylphenol	0.55	0.55	U	UG/L		
MW23I	06/24/2009	4-Nitroaniline	0.43	0.43	U	UG/L		
MW23I	06/24/2009	4-Nitrophenol	1.4	1.4	U	UG/L		
MW23I	06/24/2009	Acenaphthene	0.11	0.11	U	UG/L		
MW23I	06/24/2009	Acenaphthylene	0.045	0.045	U	UG/L		
MW23I	06/24/2009	Anthracene	0.053	0.053	U	UG/L		
MW23I	06/24/2009	Benzo(a)anthracene	0.061	0.061	U	UG/L		
MW23I	06/24/2009	Benzo(a)pyrene	0.087	0.087	U	UG/L	0.2	0.2
MW23I	06/24/2009	Benzo(b)fluoranthene	0.06	0.060	U	UG/L		
MW23I	06/24/2009	Benzo(ghi)perylene	0.074	0.074	U	UG/L		
MW23I	06/24/2009	Benzo(k)fluoranthene	0.063	0.063	U	UG/L		
MW23I	06/24/2009	Bis(2-chloroethoxy)methane	0.36	0.36	U	UG/L		
MW23I	06/24/2009	Bis(2-chloroethyl)ether	0.17	0.17	U	UG/L		
MW23I	06/24/2009	Bis(2-ethylhexyl) phthalate	4.5	4.5	U	UG/L	6	6
MW23I	06/24/2009	Butyl benzyl phthalate	1.7	1.7	U	UG/L		
MW23I	06/24/2009	Carbazole	0.085	0.085	U	UG/L		
MW23I	06/24/2009	Chrysene	0.26	0.26	U	UG/L		
MW23I	06/24/2009	Dibenzo(a,h)anthracene	0.19	0.19	U	UG/L		
MW23I	06/24/2009	Dibenzofuran	1.5	1.5	U	UG/L		
MW23I	06/24/2009	Diethyl phthalate	0.1	0.10	U	UG/L		
MW23I	06/24/2009	Dimethyl phthalate	0.29	0.29	U	UG/L		
MW23I	06/24/2009	Di-n-butyl phthalate	0.28	0.28	U	UG/L		
MW23I	06/24/2009	Di-n-octyl phthalate	0.23	0.23	U	UG/L		
MW23I	06/24/2009	Fluoranthene	0.093	0.093	U	UG/L		
MW23I	06/24/2009	Fluorene	0.07	0.070	U	UG/L		
MW23I	06/24/2009	Hexachlorobenzene	0.42	0.42	U	UG/L	1	
MW23I	06/24/2009	Hexachlorobutadiene	2.5	2.5	U	UG/L		
MW23I	06/24/2009	Hexachlorocyclopentadiene	2.4	2.4	U	UG/L	50	50
MW23I	06/24/2009	Hexachloroethane	2.7	2.7	U	UG/L		
MW23I	06/24/2009	Indeno(1,2,3-cd)pyrene	0.15	0.15	U	UG/L		
MW23I	06/24/2009	Isophorone	0.3	0.30	U	UG/L		

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MW23I	06/24/2009	Naphthalene	0.11	0.11	U	UG/L		
MW23I	06/24/2009	Nitrobenzene	0.51	0.51	U	UG/L		
MW23I	06/24/2009	N-Nitrosodi-n-propylamine	0.43	0.43	U	UG/L		
MW23I	06/24/2009	N-Nitrosodiphenylamine	0.25	0.25	U, L	UG/L		
MW23I	06/24/2009	Pentachlorophenol	4.9	4.9	U	UG/L	1	1
MW23I	06/24/2009	Phenanthrene	0.11	0.11	U	UG/L		
MW23I	06/24/2009	Phenol	0.42	0.42	U	UG/L		100
MW23I	06/24/2009	Pyrene	0.065	0.065	U	UG/L		
MW23I	06/24/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW23I	06/24/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW23I	06/24/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW23I	06/24/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW23I	06/24/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW23I	06/24/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW23I	06/24/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW23I	06/24/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW23I	06/24/2009	2-Butanone	1.3	1.3	U	UG/L		
MW23I	06/24/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW23I	06/24/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW23I	06/24/2009	Acetone	1.3	1.3	U	UG/L		
MW23I	06/24/2009	Benzene	0.57	0.16	J	UG/L	5	5
MW23I	06/24/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW23I	06/24/2009	Bromoform	0.26	0.26	U	UG/L		
MW23I	06/24/2009	Bromomethane	0.28	0.28	U	UG/L		
MW23I	06/24/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW23I	06/24/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW23I	06/24/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW23I	06/24/2009	Chloroethane	0.32	0.32	U	UG/L		
MW23I	06/24/2009	Chloroform	0.34	0.34	U	UG/L		
MW23I	06/24/2009	Chloromethane	0.35	0.35	U	UG/L		
MW23I	06/24/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW23I	06/24/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW23I	06/24/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW23I	06/24/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW23I	06/24/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW23I	06/24/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW23I	06/24/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW23I	06/24/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW23I	06/24/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5

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MW23I	06/24/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW23I	06/24/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW36I	06/24/2009	Alkalinity, Total	576	0.79		MG/L		
MW36I	**06/24/2009**	**Chloride**	**310**	**2.8**	**D08**	**MG/L**		**200**
MW36I	06/24/2009	Nitrate	0.029	0.01	J	MG/L	10	10
MW36I	06/24/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW36I	06/24/2009	Sulfate	5.3	3.5	D04, J	MG/L		400
MW36I	06/24/2009	Sulfide	700	700	U	UG/L		
MW36I	**06/24/2009**	**Total Dissolved Solids**	**1210**	**4.0**		**MG/L**		**1200**
MW36I	06/24/2009	Total Organic Carbon	15	0.4		MG/L		
MW36I	06/24/2009	Total Suspended Solids	9.6	4.0		MG/L		
MW36I	06/24/2009	Aluminum	0.039	0.039	U	MG/L		
MW36I	06/24/2009	Antimony	0.0003	0.0002	J	MG/L	6	6
MW36I	06/24/2009	Arsenic	0.0052	0.00007		MG/L	0.01	0.05
MW36I	06/24/2009	Barium	0.366	0.0003		MG/L	2	2
MW36I	06/24/2009	Beryllium	0.00001	0.00001	U, I	MG/L	0.004	0.004
MW36I	06/24/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW36I	06/24/2009	Calcium	136	0.04	B	MG/L		
MW36I	06/24/2009	Chromium	0.0413	0.0009		MG/L	0.1	0.1
MW36I	06/24/2009	Cobalt	0.002	0.0005	J	MG/L		1
MW36I	06/24/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
MW36I	**06/24/2009**	**Iron**	**9.25**	**0.019**		**MG/L**		**5**
MW36I	06/24/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW36I	06/24/2009	Magnesium	94.2	0.043	B	MG/L		
MW36I	**06/24/2009**	**Manganese**	**0.265**	**0.0002**		**MG/L**		**0.15**
MW36I	06/24/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW36I	06/24/2009	Nickel	0.023	0.0013	B	MG/L		0.1
MW36I	06/24/2009	Potassium	4.85	0.028		MG/L		
MW36I	06/24/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW36I	06/24/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW36I	06/24/2009	Sodium	125	0.3		MG/L		
MW36I	06/24/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW36I	06/24/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW36I	06/24/2009	Vanadium	0.0011	0.0011	U	MG/L		
MW36I	06/24/2009	Zinc	0.0015	0.0015	U	MG/L		5
MW36I	06/24/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW36I	06/24/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW36I	06/24/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW36I	06/24/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		

Appendix D
Elgin Landfill
Intermediate Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW36I	06/24/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW36I	06/24/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW36I	06/24/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW36I	06/24/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW36I	06/24/2009	2-Butanone	1.3	1.3	U	UG/L		
MW36I	06/24/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW36I	06/24/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW36I	06/24/2009	Acetone	1.3	1.3	U	UG/L		
MW36I	06/24/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW36I	06/24/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW36I	06/24/2009	Bromoform	0.26	0.26	U	UG/L		
MW36I	06/24/2009	Bromomethane	0.28	0.28	U	UG/L		
MW36I	06/24/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW36I	06/24/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW36I	06/24/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW36I	06/24/2009	Chloroethane	0.32	0.32	U	UG/L		
MW36I	06/24/2009	Chloroform	0.34	0.34	U	UG/L		
MW36I	06/24/2009	Chloromethane	0.35	0.35	U	UG/L		
MW36I	06/24/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW36I	06/24/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW36I	06/24/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW36I	06/24/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW36I	06/24/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW36I	06/24/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW36I	06/24/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW36I	06/24/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW36I	06/24/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW36I	06/24/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW36I	06/24/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW38I	06/23/2009	Alkalinity, Total	299	0.79		MG/L		
MW38I	06/23/2009	Chloride	28	2.8	D02	MG/L		200
MW38I	06/23/2009	Nitrate	0.032	0.01	J	MG/L	10	10
MW38I	06/23/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW38I	06/23/2009	Sulfate	42	3.5	D02	MG/L		400
MW38I	06/23/2009	Sulfide	700	700	U	UG/L		
MW38I	06/23/2009	Total Dissolved Solids	388	4.0		MG/L		1200
MW38I	06/23/2009	Total Organic Carbon	1.8	0.4	B	MG/L		
MW38I	06/23/2009	Total Suspended Solids	9.6	4.0		MG/L		
MW38I	06/23/2009	Aluminum	0.974	0.039		MG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW38I	06/23/2009	Antimony	0.0003	0.0002	J	MG/L	6	6
MW38I	06/23/2009	Arsenic	0.0003	0.00007	J	MG/L	0.01	0.05
MW38I	06/23/2009	Barium	0.118	0.0003		MG/L	2	2
MW38I	06/23/2009	Beryllium	0.00001	0.00001	J	MG/L	0.004	0.004
MW38I	06/23/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW38I	06/23/2009	Calcium	76.6	0.04	B	MG/L		
MW38I	06/23/2009	Chromium	0.003	0.0009	J	MG/L	0.1	0.1
MW38I	06/23/2009	Cobalt	0.0008	0.0005	J	MG/L		1
MW38I	06/23/2009	Copper	0.0016	0.0013	J	MG/L	1.3	0.65
MW38I	06/23/2009	Iron	1.6	0.019		MG/L		5
MW38I	06/23/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW38I	06/23/2009	Magnesium	42.6	0.043		MG/L		
MW38I	06/23/2009	Manganese	0.0306	0.0002	B	MG/L		0.15
MW38I	06/23/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW38I	06/23/2009	Nickel	0.002	0.0013	J	MG/L		0.1
MW38I	06/23/2009	Potassium	1.93	0.028	J	MG/L		
MW38I	06/23/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW38I	06/23/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW38I	06/23/2009	Sodium	12.2	0.3		MG/L		
MW38I	06/23/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW38I	06/23/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW38I	06/23/2009	Vanadium	0.0018	0.0011	J	MG/L		
MW38I	06/23/2009	Zinc	0.0025	0.0015	J	MG/L		5
MW38I	06/23/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW38I	06/23/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW38I	06/23/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW38I	06/23/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW38I	06/23/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW38I	06/23/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW38I	06/23/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW38I	06/23/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW38I	06/23/2009	2-Butanone	1.3	1.3	U	UG/L		
MW38I	06/23/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW38I	06/23/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW38I	06/23/2009	Acetone	1.3	1.3	U	UG/L		
MW38I	06/23/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW38I	06/23/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW38I	06/23/2009	Bromoform	0.26	0.26	U	UG/L		
MW38I	06/23/2009	Bromomethane	0.28	0.28	U	UG/L		

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Elgin Landfill
Intermediate Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW38I	06/23/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW38I	06/23/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW38I	06/23/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW38I	06/23/2009	Chloroethane	0.32	0.32	U	UG/L		
MW38I	06/23/2009	Chloroform	0.34	0.34	U	UG/L		
MW38I	06/23/2009	Chloromethane	0.35	0.35	U	UG/L		
MW38I	06/23/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW38I	06/23/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW38I	06/23/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW38I	06/23/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW38I	06/23/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW38I	06/23/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW38I	06/23/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW38I	06/23/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW38I	06/23/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW38I	06/23/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW38I	06/23/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Heritage Environmental Services, LLC.
All other laboratory analyses performed by TestAmerica Buffalo.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
D02 = Dilution required due to sample matrix effects.
D04 = Dilution required due to high levels of non-target analyte(s).
D08 = Dilution required due to high concentration of target analyte(s).
I = Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
J = Analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.
L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L2 = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
U = Analyte was not detected above the reporting limit.

Appendix D
Elgin Landfill
Intermediate Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G141	06/24/2009	Dissolved Oxygen, Field	2.3	0		PPM		
G141	06/24/2009	Ferrous Iron	2	0		FEET		
G141	06/24/2009	Field EH/ORP	-110	0		MILLIVOLTS		
G141	**06/24/2009**	**pH, Field**	**6.18**	**0.00**		**SU**		**6.5-9.0**
G141	06/24/2009	Specific Conductance (Field)	798	0		UMHOS/CM		
G141	06/24/2009	Temperature, Field (°C)	16.2	0		°C		
G141	06/24/2009	Turbidity	7.22	0		NTU		
G141	06/24/2009	Water Elevation	733.18	0		FT/MSL		
MW9I	06/23/2009	Dissolved Oxygen, Field	0.9	0		PPM		
MW9I	06/23/2009	Ferrous Iron	0	0		FEET		
MW9I	06/23/2009	Field EH/ORP	173	0		MILLIVOLTS		
MW9I	**06/23/2009**	**pH, Field**	**4.76**	**0.00**		**SU**		**6.5-9.0**
MW9I	06/23/2009	Specific Conductance (Field)	923	0		UMHOS/CM		
MW9I	06/23/2009	Temperature, Field (°C)	15.8	0		°C		
MW9I	06/23/2009	Turbidity	1.06	0		NTU		
MW9I	06/23/2009	Water Elevation	737.24	0		FT/MSL		
MW22I	06/24/2009	Dissolved Oxygen, Field	3.7	0		PPM		
MW22I	06/24/2009	Ferrous Iron	0.6	0		FEET		
MW22I	06/24/2009	Field EH/ORP	-47	0		MILLIVOLTS		
MW22I	06/24/2009	pH, Field	7.55	0.00		SU		6.5-9.0
MW22I	06/24/2009	Specific Conductance (Field)	1072	0		UMHOS/CM		
MW22I	06/24/2009	Temperature, Field (°C)	15	0		°C		
MW22I	06/24/2009	Turbidity	10.53	0		NTU		
MW22I	06/24/2009	Water Elevation	733.18	0		FT/MSL		
MW23I	06/24/2009	Dissolved Oxygen, Field	0.5	0		PPM		
MW23I	06/24/2009	Ferrous Iron	2.5	0		FEET		
MW23I	06/24/2009	Field EH/ORP	-159	0		MILLIVOLTS		
MW23I	**06/24/2009**	**pH, Field**	**5.38**	**0.00**		**SU**		**6.5-9.0**
MW23I	06/24/2009	Specific Conductance (Field)	1520	0		UMHOS/CM		
MW23I	06/24/2009	Temperature, Field (°C)	16.8	0		°C		
MW23I	06/24/2009	Turbidity	36.9	0		NTU		
MW23I	06/24/2009	Water Elevation	734.05	0		FT/MSL		
MW36I	06/24/2009	Dissolved Oxygen, Field	1	0		PPM		
MW36I	06/24/2009	Ferrous Iron	5.4	0		FEET		
MW36I	06/24/2009	Field EH/ORP	-127	0		MILLIVOLTS		
MW36I	**06/24/2009**	**pH, Field**	**6.02**	**0.00**		**SU**		**6.5-9.0**
MW36I	06/24/2009	Specific Conductance (Field)	1824	0		UMHOS/CM		
MW36I	06/24/2009	Temperature, Field (°C)	14.6	0		°C		
MW36I	06/24/2009	Turbidity	3.93	0		NTU		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW36I	06/24/2009	Water Elevation	734.17	0		FT/MSL		
MW38I	06/23/2009	Dissolved Oxygen, Field	0.9	0		PPM		
MW38I	06/23/2009	Ferrous Iron	0.8	0		FEET		
MW38I	06/23/2009	Field EH/ORP	57	0		MILLIVOLTS		
MW38I	06/23/2009	pH, Field	6.53	0.00		SU		6.5-9.0
MW38I	06/23/2009	Specific Conductance (Field)	703	0		UMHOS/CM		
MW38I	06/23/2009	Temperature, Field (°C)	12.7	0		°C		
MW38I	06/23/2009	Turbidity	6.51	0		NTU		
MW38I	06/23/2009	Water Elevation	738.81	0		FT/MSL		

Notes:
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Appendix D
Tri-County Landfill
Deep Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G112	06/10/2009	Alkalinity, Total	573	10.0		MG/L		
G112	**06/10/2009**	**Chloride**	**430**	**5.0**	**D08**	**MG/L**		**200**
G112	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
G112	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
G112	06/10/2009	Sulfate	10	10	U, D04	MG/L		400
G112	06/10/2009	Sulfide	1000000	1000000	U	UG/L		
G112	**06/10/2009**	**Total Dissolved Solids**	**1420**	**10.0**		**MG/L**		**1200**
G112	06/10/2009	Total Organic Carbon	25.6	1.0		MG/L		
G112	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW1DR	06/10/2009	Alkalinity, Total	367	10.0		MG/L		
MW1DR	06/10/2009	Chloride	78	2.5	D02	MG/L		200
MW1DR	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW1DR	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW1DR	06/10/2009	Sulfate	5	5.0	U, D02	MG/L		400
MW1DR	06/10/2009	Sulfide	1000	1000	U	UG/L		
MW1DR	06/10/2009	Total Dissolved Solids	479	10.0		MG/L		1200
MW1DR	06/10/2009	Total Organic Carbon	4.6	1.0		MG/L		
MW1DR	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW1DR	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW1DR	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW1DR	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW1DR	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW1DR	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW1DR	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW1DR	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW1DR	06/10/2009	2-Butanone	10	10	U	UG/L		
MW1DR	06/10/2009	2-Hexanone	10	10	U	UG/L		
MW1DR	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW1DR	06/10/2009	Acetone	10	10	U	UG/L		
MW1DR	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
MW1DR	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW1DR	06/10/2009	Bromoform	1	1.0	U	UG/L		
MW1DR	06/10/2009	Bromomethane	1	1.0	U	UG/L		
MW1DR	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
MW1DR	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW1DR	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW1DR	06/10/2009	Chloroethane	1	1.0	U	UG/L		
MW1DR	06/10/2009	Chloroform	1	1.0	U	UG/L		
MW1DR	06/10/2009	Chloromethane	1	1.0	U	UG/L		

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Tri-County Landfill
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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW1DR	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW1DR	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW1DR	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW1DR	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW1DR	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW1DR	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
MW1DR	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW1DR	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW1DR	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW1DR	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW1DR	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
MW1DR	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW1DR	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
MW40DR	06/09/2009	Alkalinity, Total	422	10.0		MG/L		
MW40DR	06/09/2009	Chloride	190	5.0	D08	MG/L		200
MW40DR	06/09/2009	Nitrate	0.05	0.05	U	MG/L	10	10
MW40DR	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
MW40DR	06/09/2009	Sulfate	29	10	D04	MG/L		400
MW40DR	06/09/2009	Sulfide	1000	1000	U	UG/L		
MW40DR	06/09/2009	Total Dissolved Solids	805	10.0		MG/L		1200
MW40DR	06/09/2009	Total Organic Carbon	16.3	1.0		MG/L		
MW40DR	06/09/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW40DR	06/09/2009	Aluminum	0.04	0.040	U	MG/L		
MW40DR	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
MW40DR	06/09/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
MW40DR	06/09/2009	Barium	0.272	0.0050		MG/L	2	2
MW40DR	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
MW40DR	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
MW40DR	06/09/2009	Calcium	94.8	0.1		MG/L		
MW40DR	06/09/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
MW40DR	06/09/2009	Cobalt	0.003	0.0030	U	MG/L		1
MW40DR	06/09/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
MW40DR	06/09/2009	Iron	1.84	0.060		MG/L		5
MW40DR	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
MW40DR	06/09/2009	Magnesium	59.4	0.050		MG/L		
MW40DR	**06/09/2009**	**Manganese**	**0.157**	**0.0010**		**MG/L**		**0.15**
MW40DR	06/09/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
MW40DR	06/09/2009	Nickel	0.0157	0.0040		MG/L		0.1
MW40DR	06/09/2009	Potassium	7.82	0.150		MG/L		

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Tri-County Landfill
Deep Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW40DR	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
MW40DR	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
MW40DR	06/09/2009	Sodium	115	1.0		MG/L		
MW40DR	06/09/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
MW40DR	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
MW40DR	06/09/2009	Vanadium	0.003	0.0030	U	MG/L		
MW40DR	06/09/2009	Zinc	0.005	0.0050	U	MG/L		5
MW40DR	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
MW40DR	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
MW40DR	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
MW40DR	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
MW40DR	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
MW40DR	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
MW40DR	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
MW40DR	06/09/2009	2-Butanone	10	10	U	UG/L		
MW40DR	06/09/2009	2-Hexanone	10	10	U	UG/L		
MW40DR	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
MW40DR	06/09/2009	Acetone	10	10	U	UG/L		
MW40DR	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
MW40DR	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
MW40DR	06/09/2009	Bromoform	1	1.0	U	UG/L		
MW40DR	06/09/2009	Bromomethane	1	1.0	U	UG/L		
MW40DR	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
MW40DR	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
MW40DR	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
MW40DR	06/09/2009	Chloroethane	1	1.0	U	UG/L		
MW40DR	06/09/2009	Chloroform	1	1.0	U	UG/L		
MW40DR	06/09/2009	Chloromethane	1	1.0	U	UG/L		
MW40DR	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
MW40DR	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
MW40DR	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
MW40DR	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
MW40DR	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
MW40DR	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
MW40DR	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
MW40DR	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
MW40DR	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
MW40DR	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
MW40DR	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW40DR	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
MW40DR	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Environmental Monitoring and Technologies, Inc.
All other laboratory analyses performed by TestAmerica Buffalo.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
D02 = Dilution required due to sample matrix effects.
D04 = Dilution required due to high levels of non-target analyte(s).
D08 = Dilution required due to high concentration of target analyte(s).
U = Analyte was not detected above the reporting limit.

Appendix D
Tri-County Landfill
Deep Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Qualifier	Units
G112	06/10/2009	Depth to Water from Land Surface	32.55		FEET
G112	06/10/2009	Depth to Water from Top of Casing	34.55		FEET
G112	06/09/2009	Depth to Water from Top of Casing (initial)	34.63		FEET
G112	06/10/2009	Dissolved Oxygen, Field	3.11		MG/L
G112	06/10/2009	Elevation Bottom of Well	614.59		FT/MSL
G112	06/29/2009	Ferrous Iron	0.39		PPM
G112	06/10/2009	Field EH/ORP	-40.5		MILLIVOLTS
G112	06/10/2009	Measuring Point Elevation	758.68		FT/MSL
G112	06/10/2009	pH, Field	6.62		SU
G112	06/10/2009	Specific Conductance, Field	1952		UMHOS/CM
G112	06/10/2009	Temperature, Field (°F)	55.6		°F
G112	06/10/2009	Turbidity	8.12		TEXT
G112	06/10/2009	Water Elevation	724.13		FT/MSL
G112	06/09/2009	Water Elevation (initial)	724.05		FT/MSL
MW1DR	06/10/2009	Depth to Water from Land Surface	11.35		FEET
MW1DR	06/10/2009	Depth to Water from Top of Casing	13.45		FEET
MW1DR	06/09/2009	Depth to Water from Top of Casing (initial)	13.43		FEET
MW1DR	06/10/2009	Dissolved Oxygen, Field	4.31		MG/L
MW1DR	06/10/2009	Elevation Bottom of Well	656.81		FT/MSL
MW1DR	06/10/2009	Ferrous Iron	0	U	PPM
MW1DR	06/10/2009	Field EH/ORP	-78.6		MILLIVOLTS
MW1DR	06/10/2009	Measuring Point Elevation	742.39		FT/MSL
MW1DR	06/10/2009	pH, Field	7.68		SU
MW1DR	06/10/2009	Specific Conductance, Field	752		UMHOS/CM
MW1DR	06/10/2009	Temperature, Field (°F)	51.1		°F
MW1DR	06/10/2009	Turbidity	1.08		TEXT
MW1DR	06/10/2009	Water Elevation	728.94		FT/MSL
MW1DR	06/09/2009	Water Elevation (initial)	728.96		FT/MSL
MW40DR	06/09/2009	Depth to Water from Land Surface	25.62		FEET
MW40DR	06/09/2009	Depth to Water from Top of Casing	27.72		FEET
MW40DR	06/09/2009	Depth to Water from Top of Casing (initial)	27.7		FEET
MW40DR	06/09/2009	Dissolved Oxygen, Field	1.85		MG/L
MW40DR	06/09/2009	Elevation Bottom of Well	649.36		FT/MSL
MW40DR	06/09/2009	Ferrous Iron	1.83		PPM
MW40DR	06/09/2009	Field EH/ORP	-72.7		MILLIVOLTS
MW40DR	06/09/2009	Measuring Point Elevation	757.43		FT/MSL
MW40DR	06/09/2009	pH, Field	7.19		SU
MW40DR	06/09/2009	Specific Conductance, Field	1133		UMHOS/CM
MW40DR	06/09/2009	Temperature, Field (°F)	53.2		°F

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Well ID	Sample Date	Parameter	Result	Qualifier	Units
MW40DR	06/09/2009	Turbidity	8.45		TEXT
MW40DR	06/09/2009	Water Elevation	729.71		FT/MSL
MW40DR	06/09/2009	Water Elevation (initial)	729.73		FT/MSL

Qualifiers:
U = Analyte was not detected above the reporting limit.

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Elgin Landfill
Deep Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G111	06/24/2009	Alkalinity, Total	728	0.79		MG/L		
G111	**06/24/2009**	**Chloride**	**370**	**2.8**	**D08**	**MG/L**		**200**
G111	06/24/2009	Sulfate	3.5	3.5	U, D04	MG/L		400
G111	06/24/2009	Sulfide	700	700	U	UG/L		
G111	**06/24/2009**	**Total Dissolved Solids**	**1270**	**8.0**	**D08**	**MG/L**		**1200**
G111	06/24/2009	Total Organic Carbon	19.5	0.4		MG/L		
G111	06/24/2009	Total Suspended Solids	192	4.0		MG/L		
G111	06/24/2009	Aluminum	1	0.039		MG/L		
G111	06/24/2009	Antimony	0.0013	0.0002	J	MG/L	6	6
G111	06/24/2009	Arsenic	0.0062	0.00007		MG/L	0.01	0.05
G111	06/24/2009	Barium	0.51	0.0003		MG/L	2	2
G111	06/24/2009	Beryllium	0.00003	0.00001	I, J	MG/L	0.004	0.004
G111	06/24/2009	Cadmium	0.0005	0.0003	J	MG/L	0.005	0.005
G111	06/24/2009	Calcium	171	0.04	B	MG/L		
G111	06/24/2009	Chromium	0.0055	0.0009		MG/L	0.1	0.1
G111	06/24/2009	Cobalt	0.0021	0.0005	J	MG/L		1
G111	06/24/2009	Copper	0.0072	0.0013	J	MG/L	1.3	0.65
G111	**06/24/2009**	**Iron**	**10.8**	**0.019**		**MG/L**		**5**
G111	06/24/2009	Lead	0.0051	0.0018		MG/L	0.015	0.0075
G111	06/24/2009	Magnesium	111	0.043	B	MG/L		
G111	06/24/2009	Manganese	0.0675	0.0002		MG/L		0.15
G111	06/24/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
G111	06/24/2009	Nickel	0.0128	0.0013	B	MG/L		0.1
G111	06/24/2009	Potassium	11.1	0.028		MG/L		
G111	06/24/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
G111	06/24/2009	Silver	0.0012	0.0012	U	MG/L		0.05
G111	06/24/2009	Sodium	182	0.3		MG/L		
G111	06/24/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
G111	06/24/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
G111	06/24/2009	Vanadium	0.002	0.0011	J	MG/L		
G111	06/24/2009	Zinc	0.0092	0.0015	J	MG/L		5
G111	06/24/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
G111	06/24/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
G111	06/24/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
G111	06/24/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
G111	06/24/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
G111	06/24/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
G111	06/24/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
G111	06/24/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G111	06/24/2009	2-Butanone	1.3	1.3	U	UG/L		
G111	06/24/2009	2-Hexanone	1.2	1.2	U	UG/L		
G111	06/24/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
G111	06/24/2009	Acetone	1.3	1.3	U	UG/L		
G111	06/24/2009	Benzene	0.16	0.16	U	UG/L	5	5
G111	06/24/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
G111	06/24/2009	Bromoform	0.26	0.26	U	UG/L		
G111	06/24/2009	Bromomethane	0.28	0.28	U	UG/L		
G111	06/24/2009	Carbon disulfide	0.19	0.19	U	UG/L		
G111	06/24/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
G111	06/24/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
G111	06/24/2009	Chloroethane	2.5	0.32		UG/L		
G111	06/24/2009	Chloroform	0.34	0.34	U	UG/L		
G111	06/24/2009	Chloromethane	0.35	0.35	U	UG/L		
G111	06/24/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
G111	06/24/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
G111	06/24/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
G111	06/24/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
G111	06/24/2009	Styrene	0.18	0.18	U	UG/L	100	100
G111	06/24/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
G111	06/24/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
G111	06/24/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
G111	06/24/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
G111	06/24/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
G111	06/24/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW9D	06/23/2009	Alkalinity, Total	202	0.79		MG/L		
MW9D	06/23/2009	Chloride	38	2.8	D02	MG/L		200
MW9D	06/23/2009	Nitrate	0.55	0.01		MG/L	10	10
MW9D	06/23/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW9D	06/23/2009	Sulfate	71	3.5	D02	MG/L		400
MW9D	06/23/2009	Sulfide	700	700	U	UG/L		
MW9D	06/23/2009	Total Dissolved Solids	308	4.0		MG/L		1200
MW9D	06/23/2009	Total Organic Carbon	1.4	0.4		MG/L		
MW9D	06/23/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW9D	06/23/2009	Aluminum	0.039	0.039	U	MG/L		
MW9D	06/23/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
MW9D	06/23/2009	Arsenic	0.0005	0.00007	J	MG/L	0.01	0.05
MW9D	06/23/2009	Barium	0.0577	0.0003		MG/L	2	2
MW9D	06/23/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW9D	06/23/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW9D	06/23/2009	Calcium	24.4	0.04	B	MG/L		
MW9D	06/23/2009	Chromium	0.0264	0.0009		MG/L	0.1	0.1
MW9D	06/23/2009	Cobalt	0.0011	0.0005	J	MG/L		1
MW9D	06/23/2009	Copper	0.0017	0.0013	J	MG/L	1.3	0.65
MW9D	06/23/2009	Iron	0.019	0.019	U	MG/L		5
MW9D	06/23/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW9D	06/23/2009	Magnesium	46.3	0.043		MG/L		
MW9D	06/23/2009	Manganese	0.0011	0.0002	J, B	MG/L		0.15
MW9D	06/23/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW9D	06/23/2009	Nickel	0.0124	0.0013	J	MG/L		0.1
MW9D	06/23/2009	Potassium	2.34	0.028	J	MG/L		
MW9D	06/23/2009	Selenium	0.0086	0.0061	J	MG/L	0.05	0.05
MW9D	06/23/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW9D	06/23/2009	Sodium	34.6	0.3		MG/L		
MW9D	06/23/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW9D	06/23/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW9D	06/23/2009	Vanadium	0.0011	0.0011	U	MG/L		
MW9D	06/23/2009	Zinc	0.0015	0.0015	U	MG/L		5
MW9D	06/23/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW9D	06/23/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW9D	06/23/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW9D	06/23/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW9D	06/23/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW9D	06/23/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW9D	06/23/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW9D	06/23/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW9D	06/23/2009	2-Butanone	1.3	1.3	U	UG/L		
MW9D	06/23/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW9D	06/23/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW9D	06/23/2009	Acetone	1.3	1.3	U	UG/L		
MW9D	06/23/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW9D	06/23/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW9D	06/23/2009	Bromoform	0.26	0.26	U	UG/L		
MW9D	06/23/2009	Bromomethane	0.28	0.28	U	UG/L		
MW9D	06/23/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW9D	06/23/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW9D	06/23/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW9D	06/23/2009	Chloroethane	0.32	0.32	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW9D	06/23/2009	Chloroform	0.34	0.34	U	UG/L		
MW9D	06/23/2009	Chloromethane	0.35	0.35	U	UG/L		
MW9D	06/23/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW9D	06/23/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW9D	06/23/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW9D	06/23/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW9D	06/23/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW9D	06/23/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW9D	06/23/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW9D	06/23/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW9D	06/23/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW9D	06/23/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW9D	06/23/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW36D	06/24/2009	Alkalinity, Total	314	0.79		MG/L		
MW36D	06/24/2009	Chloride	100	2.8	D08	MG/L		200
MW36D	06/24/2009	Nitrate	0.55	0.01		MG/L	10	10
MW36D	06/24/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW36D	06/24/2009	Sulfate	4	3.5	D04, J	MG/L		400
MW36D	06/24/2009	Sulfide	700	700	U	UG/L		
MW36D	06/24/2009	Total Dissolved Solids	445	4.0		MG/L		1200
MW36D	06/24/2009	Total Organic Carbon	3.9	0.4		MG/L		
MW36D	06/24/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW36D	06/24/2009	Aluminum	0.039	0.039	U	MG/L		
MW36D	06/24/2009	Antimony	0.0002	0.0002	J	MG/L	6	6
MW36D	06/24/2009	Arsenic	0.0018	0.00007		MG/L	0.01	0.05
MW36D	06/24/2009	Barium	0.0838	0.0003		MG/L	2	2
MW36D	06/24/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
MW36D	06/24/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW36D	06/24/2009	Calcium	69.1	0.04	B	MG/L		
MW36D	06/24/2009	Chromium	0.02	0.0009		MG/L	0.1	0.1
MW36D	06/24/2009	Cobalt	0.0005	0.0005	U	MG/L		1
MW36D	06/24/2009	Copper	0.0049	0.0013	J	MG/L	1.3	0.65
MW36D	06/24/2009	Iron	0.159	0.019		MG/L		5
MW36D	06/24/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW36D	06/24/2009	Magnesium	57.9	0.043	B	MG/L		
MW36D	06/24/2009	Manganese	0.0544	0.0002		MG/L		0.15
MW36D	06/24/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW36D	06/24/2009	Nickel	0.081	0.0013	B	MG/L		0.1
MW36D	06/24/2009	Potassium	2.75	0.028		MG/L		

Appendix D
Elgin Landfill
Deep Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW36D	06/24/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW36D	06/24/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW36D	06/24/2009	Sodium	32.6	0.3		MG/L		
MW36D	06/24/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW36D	06/24/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW36D	06/24/2009	Vanadium	0.0011	0.0011	U	MG/L		
MW36D	06/24/2009	Zinc	0.0026	0.0015	J	MG/L		5
MW36D	06/24/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW36D	06/24/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW36D	06/24/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW36D	06/24/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW36D	06/24/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
MW36D	06/24/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW36D	06/24/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW36D	06/24/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW36D	06/24/2009	2-Butanone	1.3	1.3	U	UG/L		
MW36D	06/24/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW36D	06/24/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW36D	06/24/2009	Acetone	1.3	1.3	U	UG/L		
MW36D	06/24/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW36D	06/24/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW36D	06/24/2009	Bromoform	0.26	0.26	U	UG/L		
MW36D	06/24/2009	Bromomethane	0.28	0.28	U	UG/L		
MW36D	06/24/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW36D	06/24/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW36D	06/24/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW36D	06/24/2009	Chloroethane	0.32	0.32	U	UG/L		
MW36D	06/24/2009	Chloroform	0.34	0.34	U	UG/L		
MW36D	06/24/2009	Chloromethane	0.35	0.35	U	UG/L		
MW36D	06/24/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW36D	06/24/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW36D	06/24/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW36D	06/24/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW36D	06/24/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW36D	06/24/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW36D	06/24/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW36D	06/24/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW36D	06/24/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW36D	06/24/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2

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Deep Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW36D	06/24/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
MW38D	06/23/2009	Alkalinity, Total	307	0.79		MG/L		
MW38D	06/23/2009	Chloride	13	0.28		MG/L		200
MW38D	06/23/2009	Nitrate	0.036	0.01	J	MG/L	10	10
MW38D	06/23/2009	Nitrite	0.01	0.01	U	MG/L	1	
MW38D	06/23/2009	Sulfate	1.2	0.35		MG/L		400
MW38D	06/23/2009	Sulfide	700	700	U	UG/L		
MW38D	06/23/2009	Total Dissolved Solids	296	4.0		MG/L		1200
MW38D	06/23/2009	Total Organic Carbon	1.9	0.4		MG/L		
MW38D	06/23/2009	Total Suspended Solids	4	4.0	U	MG/L		
MW38D	06/23/2009	Aluminum	0.039	0.039	U	MG/L		
MW38D	06/23/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
MW38D	06/23/2009	Arsenic	0.0021	0.00007		MG/L	0.01	0.05
MW38D	06/23/2009	Barium	0.0696	0.0003		MG/L	2	2
MW38D	06/23/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
MW38D	06/23/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
MW38D	06/23/2009	Calcium	48.6	0.04	B	MG/L		
MW38D	06/23/2009	Chromium	0.0028	0.0009	J	MG/L	0.1	0.1
MW38D	06/23/2009	Cobalt	0.0006	0.0005	J	MG/L		1
MW38D	06/23/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
MW38D	06/23/2009	Iron	0.739	0.019		MG/L		5
MW38D	06/23/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
MW38D	06/23/2009	Magnesium	37.6	0.043		MG/L		
MW38D	06/23/2009	Manganese	0.0444	0.0002	B	MG/L		0.15
MW38D	06/23/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
MW38D	06/23/2009	Nickel	0.0045	0.0013	J	MG/L		0.1
MW38D	06/23/2009	Potassium	2.19	0.028	J	MG/L		
MW38D	06/23/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
MW38D	06/23/2009	Silver	0.0012	0.0012	U	MG/L		0.05
MW38D	06/23/2009	Sodium	24.1	0.3		MG/L		
MW38D	06/23/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
MW38D	06/23/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
MW38D	06/23/2009	Vanadium	0.0011	0.0011	U	MG/L		
MW38D	06/23/2009	Zinc	0.0015	0.0015	U	MG/L		5
MW38D	06/23/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
MW38D	06/23/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
MW38D	06/23/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
MW38D	06/23/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
MW38D	06/23/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7

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Elgin Landfill
Deep Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
MW38D	06/23/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
MW38D	06/23/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
MW38D	06/23/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
MW38D	06/23/2009	2-Butanone	1.3	1.3	U	UG/L		
MW38D	06/23/2009	2-Hexanone	1.2	1.2	U	UG/L		
MW38D	06/23/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
MW38D	06/23/2009	Acetone	1.3	1.3	U	UG/L		
MW38D	06/23/2009	Benzene	0.16	0.16	U	UG/L	5	5
MW38D	06/23/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
MW38D	06/23/2009	Bromoform	0.26	0.26	U	UG/L		
MW38D	06/23/2009	Bromomethane	0.28	0.28	U	UG/L		
MW38D	06/23/2009	Carbon disulfide	0.19	0.19	U	UG/L		
MW38D	06/23/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
MW38D	06/23/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
MW38D	06/23/2009	Chloroethane	0.32	0.32	U	UG/L		
MW38D	06/23/2009	Chloroform	0.34	0.34	U	UG/L		
MW38D	06/23/2009	Chloromethane	0.35	0.35	U	UG/L		
MW38D	06/23/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
MW38D	06/23/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
MW38D	06/23/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
MW38D	06/23/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
MW38D	06/23/2009	Styrene	0.18	0.18	U	UG/L	100	100
MW38D	06/23/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
MW38D	06/23/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
MW38D	06/23/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
MW38D	06/23/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
MW38D	06/23/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
MW38D	06/23/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000

Appendix D
Elgin Landfill
Deep Monitoring Well Network Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Heritage Environmental Services, LLC.
All other laboratory analyses performed by TestAmerica Buffalo.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
D02 = Dilution required due to sample matrix effects.
D04 = Dilution required due to high levels of non-target analyte(s).
D08 = Dilution required due to high concentration of target analyte(s).
I = Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
J = Analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.
U = Analyte was not detected above the reporting limit.

Appendix D
Elgin Landfill
Deep Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
G111	06/24/2009	Dissolved Oxygen, Field	1.2	0		PPM		
G111	06/24/2009	Ferrous Iron	6.2	0		FEET		
G111	06/24/2009	Field EH/ORP	-113	0		MILLIVOLTS		
G111	**06/24/2009**	**pH, Field**	**6.38**	**0.00**		**SU**		**6.5-9.0**
G111	06/24/2009	Specific Conductance (Field)	2250	0		UMHOS/CM		
G111	06/24/2009	Temperature, Field (°C)	17.3	0		°C		
G111	06/24/2009	Turbidity	12.8	0		NTU		
G111	06/24/2009	Water Elevation	730.28	0		FT/MSL		
MW9D	06/23/2009	Dissolved Oxygen, Field	10.5	0		PPM		
MW9D	06/23/2009	Ferrous Iron	0.4	0		FEET		
MW9D	06/23/2009	Field EH/ORP	218	0		MILLIVOLTS		
MW9D	06/23/2009	pH, Field	6.89	0.00		SU		6.5-9.0
MW9D	06/23/2009	Specific Conductance (Field)	605	0		UMHOS/CM		
MW9D	06/23/2009	Temperature, Field (°C)	17	0		°C		
MW9D	06/23/2009	Turbidity	0.37	0		NTU		
MW9D	06/23/2009	Water Elevation	736.93	0		FT/MSL		
MW36D	06/24/2009	Dissolved Oxygen, Field	5.3	0		PPM		
MW36D	06/24/2009	Ferrous Iron	0.1	0		FEET		
MW36D	06/24/2009	Field EH/ORP	71	0		MILLIVOLTS		
MW36D	**06/24/2009**	**pH, Field**	**6.18**	**0.00**		**SU**		**6.5-9.0**
MW36D	06/24/2009	Specific Conductance (Field)	869	0		UMHOS/CM		
MW36D	06/24/2009	Temperature, Field (°C)	15	0		°C		
MW36D	06/24/2009	Turbidity	1.88	0		NTU		
MW36D	06/24/2009	Water Elevation	731.77	0		FT/MSL		
MW38D	06/23/2009	Dissolved Oxygen, Field	2.7	0		PPM		
MW38D	06/23/2009	Ferrous Iron	0	0		FEET		
MW38D	06/23/2009	Field EH/ORP	214	0		MILLIVOLTS		
MW38D	**06/23/2009**	**pH, Field**	**4.38**	**0.00**		**SU**		**6.5-9.0**
MW38D	06/23/2009	Specific Conductance (Field)	586	0		UMHOS/CM		
MW38D	06/23/2009	Temperature, Field (°C)	14.9	0		°C		
MW38D	06/23/2009	Turbidity	2.37	0		NTU		
MW38D	06/23/2009	Water Elevation	732.71	0		FT/MSL		

Appendix D
Elgin Landfill
Deep Monitoring Well Network Field Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS

Notes:
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Appendix D
Tri-County Landfill
Private Well Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
PW07	06/10/2009	Alkalinity, Total	742	10.0		MG/L		
PW07	**06/10/2009**	**Chloride**	**680**	**5.0**	**D08**	**MG/L**		**200**
PW07	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
PW07	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
PW07	06/10/2009	Sulfate	10	10	U, D04	MG/L		400
PW07	06/10/2009	Sulfide	1000	1000	U	UG/L		
PW07	**06/10/2009**	**Total Dissolved Solids**	**2110**	**20.0**	**D08**	**MG/L**		**1200**
PW07	06/10/2009	Total Organic Carbon	41.8	1.0		MG/L		
PW07	06/10/2009	Total Suspended Solids	19.2	4.0		MG/L		
PW07	06/10/2009	Aluminum	0.04	0.040	U	MG/L		
PW07	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6
PW07	*06/10/2009*	*Arsenic*	*0.028*	*0.0200*		*MG/L*	*0.01*	*0.05*
PW07	06/10/2009	Barium	0.474	0.0050		MG/L	2	2
PW07	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
PW07	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
PW07	06/10/2009	Calcium	188	0.1		MG/L		
PW07	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
PW07	06/10/2009	Cobalt	0.003	0.0030	U	MG/L		1
PW07	06/10/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
PW07	**06/10/2009**	**Iron**	**11.4**	**0.060**	**B1, B**	**MG/L**		**5**
PW07	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
PW07	06/10/2009	Magnesium	146	0.050		MG/L		
PW07	06/10/2009	Manganese	0.0684	0.0010		MG/L		0.15
PW07	06/10/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
PW07	06/10/2009	Nickel	0.0293	0.0040		MG/L		0.1
PW07	06/10/2009	Potassium	11.3	0.150		MG/L		
PW07	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
PW07	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
PW07	06/10/2009	Sodium	252	1.0		MG/L		
PW07	06/10/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
PW07	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
PW07	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		
PW07	06/10/2009	Zinc	0.005	0.0050	U	MG/L		5
PW07	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
PW07	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
PW07	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
PW07	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
PW07	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
PW07	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5

Appendix D
Tri-County Landfill
Private Well Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
PW07	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
PW07	06/10/2009	2-Butanone	10	10	U	UG/L		
PW07	06/10/2009	2-Hexanone	10	10	U	UG/L		
PW07	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
PW07	06/10/2009	Acetone	10	10	U	UG/L		
PW07	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
PW07	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
PW07	06/10/2009	Bromoform	1	1.0	U	UG/L		
PW07	06/10/2009	Bromomethane	1	1.0	U	UG/L		
PW07	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
PW07	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
PW07	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
PW07	06/10/2009	Chloroethane	1	1.0	U	UG/L		
PW07	06/10/2009	Chloroform	1	1.0	U	UG/L		
PW07	06/10/2009	Chloromethane	1	1.0	U	UG/L		
PW07	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
PW07	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
PW07	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
PW07	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
PW07	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
PW07	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
PW07	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
PW07	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
PW07	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
PW07	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
PW07	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
PW07	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
PW07	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
PW09	06/10/2009	Alkalinity, Total	429	10.0		MG/L		
PW09	06/10/2009	Chloride	110	1.0	D08	MG/L		200
PW09	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
PW09	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
PW09	06/10/2009	Sulfate	2	2.0	U, D04	MG/L		400
PW09	06/10/2009	Sulfide	1000	1000	U	UG/L		
PW09	06/10/2009	Total Dissolved Solids	625	10.0		MG/L		1200
PW09	06/10/2009	Total Organic Carbon	5.8	1.0	CF6	MG/L		
PW09	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
PW09	06/10/2009	Aluminum	0.04	0.040	U	MG/L		
PW09	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6

Appendix D
Tri-County Landfill
Private Well Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
PW09	06/10/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
PW09	06/10/2009	Barium	0.155	0.0050		MG/L	2	2
PW09	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
PW09	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
PW09	06/10/2009	Calcium	93.1	0.1		MG/L		
PW09	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
PW09	06/10/2009	Cobalt	0.003	0.0030	U	MG/L		1
PW09	06/10/2009	Copper	0.0093	0.0040		MG/L	1.3	0.65
PW09	06/10/2009	Iron	3.81	0.060	B1, B	MG/L		5
PW09	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
PW09	06/10/2009	Magnesium	68.1	0.050		MG/L		
PW09	06/10/2009	Manganese	0.0377	0.0010		MG/L		0.15
PW09	06/10/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
PW09	06/10/2009	Nickel	0.0082	0.0040		MG/L		0.1
PW09	06/10/2009	Potassium	2.67	0.150		MG/L		
PW09	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
PW09	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
PW09	06/10/2009	Sodium	36.5	1.0		MG/L		
PW09	06/10/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
PW09	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
PW09	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		
PW09	06/10/2009	Zinc	0.384	0.0050		MG/L		5
PW09	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
PW09	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
PW09	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
PW09	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
PW09	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
PW09	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
PW09	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
PW09	06/10/2009	2-Butanone	10	10	U	UG/L		
PW09	06/10/2009	2-Hexanone	10	10	U	UG/L		
PW09	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
PW09	06/10/2009	Acetone	10	10	U	UG/L		
PW09	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
PW09	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
PW09	06/10/2009	Bromoform	1	1.0	U	UG/L		
PW09	06/10/2009	Bromomethane	1	1.0	U	UG/L		
PW09	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
PW09	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
PW09	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
PW09	06/10/2009	Chloroethane	1	1.0	U	UG/L		
PW09	06/10/2009	Chloroform	1	1.0	U	UG/L		
PW09	06/10/2009	Chloromethane	1	1.0	U	UG/L		
PW09	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
PW09	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
PW09	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
PW09	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
PW09	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
PW09	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
PW09	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
PW09	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
PW09	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
PW09	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
PW09	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
PW09	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
PW09	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
PW23	06/10/2009	Alkalinity, Total	571	10.0		MG/L		
PW23	**06/10/2009**	**Chloride**	**250**	**2.5**	**D08**	**MG/L**		**200**
PW23	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
PW23	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
PW23	06/10/2009	Sulfate	5	5.0	U, D04	MG/L		400
PW23	06/10/2009	Sulfide	1000	1000	U	UG/L		
PW23	06/10/2009	Total Dissolved Solids	1060	10.0		MG/L		1200
PW23	06/10/2009	Total Organic Carbon	16.2	1.0		MG/L		
PW23	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
PW23	06/10/2009	Aluminum	0.043	0.040	B	MG/L		
PW23	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6
PW23	06/10/2009	Arsenic	0.02	0.0200	U	MG/L	0.01	0.05
PW23	06/10/2009	Barium	0.0071	0.0050		MG/L	2	2
PW23	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
PW23	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
PW23	06/10/2009	Calcium	2.9	0.1		MG/L		
PW23	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
PW23	06/10/2009	Cobalt	0.003	0.0030	U	MG/L		1
PW23	06/10/2009	Copper	0.0149	0.0040		MG/L	1.3	0.65
PW23	06/10/2009	Iron	0.157	0.060		MG/L		5
PW23	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
PW23	06/10/2009	Magnesium	2.24	0.050		MG/L		

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Private Well Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
PW23	06/10/2009	Manganese	0.0105	0.0010		MG/L		0.15
PW23	06/10/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
PW23	06/10/2009	Nickel	0.019	0.0040		MG/L		0.1
PW23	06/10/2009	Potassium	0.794	0.150		MG/L		
PW23	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
PW23	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
PW23	06/10/2009	Sodium	411	1.0		MG/L		
PW23	06/10/2009	Thallium	0.002	0.0020	U	MG/L	0.002	0.002
PW23	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
PW23	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		
PW23	06/10/2009	Zinc	0.005	0.0050	U	MG/L		5
PW23	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
PW23	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
PW23	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
PW23	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
PW23	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
PW23	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
PW23	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
PW23	06/10/2009	2-Butanone	10	10	U	UG/L		
PW23	06/10/2009	2-Hexanone	10	10	U	UG/L		
PW23	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
PW23	06/10/2009	Acetone	10	10	U	UG/L		
PW23	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
PW23	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
PW23	06/10/2009	Bromoform	1	1.0	U	UG/L		
PW23	06/10/2009	Bromomethane	1	1.0	U	UG/L		
PW23	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
PW23	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
PW23	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
PW23	06/10/2009	Chloroethane	1	1.0	U	UG/L		
PW23	06/10/2009	Chloroform	1	1.0	U	UG/L		
PW23	06/10/2009	Chloromethane	1	1.0	U	UG/L		
PW23	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
PW23	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
PW23	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
PW23	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
PW23	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
PW23	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
PW23	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5

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Tri-County Landfill
Private Well Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
PW23	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
PW23	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
PW23	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
PW23	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
PW23	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
PW23	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Environmental Monitoring and Technologies, Inc.
All other laboratory analyses performed by TestAmerica Buffalo.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
B1 = Analyte was detected in the associated Method Blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
CF6 = Results confirmed by reanalysis.
D04 = Dilution required due to high levels of non-target analyte(s).
D08 = Dilution required due to high concentration of target analyte(s).
U = Analyte was not detected above the reporting limit.

Appendix D
Tri-County Landfill
Private Wells Field Data

Well ID	Sample Date	Parameter	Result	Qualifier	Units
PW07	06/10/2009	Dissolved Oxygen, Field	1.26		MG/L
PW07	06/10/2009	Ferrous Iron	4.87		PPM
PW07	06/10/2009	Field EH/ORP	-126.1		MILLIVOLTS
PW07	06/10/2009	pH, Field	7.04		SU
PW07	06/10/2009	Specific Conductance, Field	2729		UMHOS/CM
PW07	06/10/2009	Temperature, Field (°F)	68.6		°F
PW07	06/10/2009	Turbidity	0.77		TEXT
PW09	06/10/2009	Dissolved Oxygen, Field	4.94		MG/L
PW09	06/10/2009	Ferrous Iron	0	U	PPM
PW09	06/10/2009	Field EH/ORP	-63.5		MILLIVOLTS
PW09	06/10/2009	pH, Field	7.09		SU
PW09	06/10/2009	Specific Conductance, Field	959		UMHOS/CM
PW09	06/10/2009	Temperature, Field (°F)	65.9		°F
PW09	06/10/2009	Turbidity	11.6		TEXT
PW23	06/10/2009	Dissolved Oxygen, Field	2.62		MG/L
PW23	06/10/2009	Ferrous Iron	0	U	PPM
PW23	06/10/2009	Field EH/ORP	-114.7		MILLIVOLTS
PW23	06/10/2009	pH, Field	7.72		SU
PW23	06/10/2009	Specific Conductance, Field	1576		UMHOS/CM
PW23	06/10/2009	Temperature, Field (°F)	61.1		°F
PW23	06/10/2009	Turbidity	4.49		TEXT

Qualifiers:
U = Analyte was not detected above the reporting limit.

Appendix D
Tri-County Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
DUP@MW12I	06/09/2009	Total Suspended Solids	4	4.0	U	MG/L		
DUP@MW12I	**06/09/2009**	**Chloride**	**410**	**5.0**	**D08**	**MG/L**		**200**
DUP@MW12I	06/09/2009	Sulfate	10	10	U, D04	MG/L		400
DUP@MW12I	06/09/2009	Nitrate	0.05	0.05	U	MG/L	10	10
DUP@MW12I	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
DUP@MW12I	06/09/2009	Alkalinity, Total	565	10.0		MG/L		
DUP@MW12I	**06/09/2009**	**Total Dissolved Solids**	**1550**	**10.0**		**MG/L**		**1200**
DUP@MW12I	06/09/2009	Sulfide	1000	1000	U	UG/L		
DUP@MW12I	06/09/2009	Total Organic Carbon	16.9	1.0		MG/L		
DUP@MW12I	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
DUP@MW12I	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
DUP@MW12I	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
DUP@MW12I	06/09/2009	Barium	0.283	0.0050		MG/L	2	2
DUP@MW12I	06/09/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
DUP@MW12I	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
DUP@MW12I	06/09/2009	Calcium	149	0.04		MG/L		
DUP@MW12I	***06/09/2009***	***Chromium***	***0.201***	***0.0030***		***MG/L***	***0.1***	***0.1***
DUP@MW12I	06/09/2009	Cobalt	0.0158	0.0030		MG/L		1
DUP@MW12I	06/09/2009	Aluminum	2.2	0.030		MG/L		
DUP@MW12I	***06/09/2009***	***Mercury***	***0.004***	***0.0040***	***U***	***MG/L***	***0.002***	***0.002***
DUP@MW12I	***06/09/2009***	***Thallium***	***0.002***	***0.0020***	***U***	***MG/L***	***0.002***	***0.002***
DUP@MW12I	06/09/2009	Magnesium	106	0.050		MG/L		
DUP@MW12I	*06/09/2009*	*Arsenic*	*0.02*	*0.0200*	*U*	*MG/L*	*0.01*	*0.05*
DUP@MW12I	06/09/2009	Zinc	0.0072	0.0050		MG/L		5
DUP@MW12I	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
DUP@MW12I	**06/09/2009**	**Manganese**	**0.2**	**0.0010**		**MG/L**		**0.15**
DUP@MW12I	**06/09/2009**	**Nickel**	**0.838**	**0.0040**		**MG/L**		**0.1**
DUP@MW12I	06/09/2009	Sodium	205	1.0		MG/L		
DUP@MW12I	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
DUP@MW12I	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
DUP@MW12I	06/09/2009	Vanadium	0.0045	0.0030		MG/L		
DUP@MW12I	06/09/2009	Potassium	5.75	0.150		MG/L		
DUP@MW12I	**06/09/2009**	**Iron**	**9.06**	**0.060**		**MG/L**		**5**
DUP@MW12I	06/09/2009	Benzo(ghi)perylene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Benzo(k)fluoranthene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Bis(2-chloroethoxy)methane	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Bis(2-chloroethyl)ether	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Butyl benzyl phthalate	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Benzo(b)fluoranthene	9.4	9.4	U	UG/L		

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Tri-County Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
DUP@MW12I	06/09/2009	4-Chlorophenyl phenyl ether	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Chrysene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Carbazole	10	10	U	UG/L		
DUP@MW12I	***06/09/2009***	***Bis(2-ethylhexyl) phthalate***	***9.4***	***9.4***	***U***	***UG/L***	***6***	***6***
DUP@MW12I	***06/09/2009***	***Benzo(a)pyrene***	***9.4***	***9.4***	***U***	***UG/L***	***0.2***	***0.2***
DUP@MW12I	06/09/2009	Benzo(a)anthracene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Anthracene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Acenaphthylene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Acenaphthene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	4-Nitroaniline	47	47	U	UG/L		
DUP@MW12I	06/09/2009	4-Chloro-3-methylphenol	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	4-Bromophenyl phenyl ether	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Dibenzo(a,h)anthracene	9.4	9.4	U	UG/L		
DUP@MW12I	***06/09/2009***	***Pentachlorophenol***	***47***	***47***	***U, L4***	***UG/L***	***1***	***1***
DUP@MW12I	06/09/2009	4-Nitrophenol	47	47	U	UG/L		
DUP@MW12I	06/09/2009	Hexachloroethane	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Pyrene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Phenol	9.4	9.4	U	UG/L		100
DUP@MW12I	06/09/2009	Phenanthrene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	4-Chloroaniline	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	N-Nitrosodiphenylamine	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	4,6-Dinitro-2-methylphenol	47	47	U	UG/L		
DUP@MW12I	06/09/2009	Nitrobenzene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Naphthalene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	N-Nitrosodi-n-propylamine	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Indeno(1,2,3-cd)pyrene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Dibenzofuran	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Hexachlorocyclopentadiene	24	24	U	UG/L	50	50
DUP@MW12I	06/09/2009	Hexachlorobutadiene	40	40	U	UG/L		
DUP@MW12I	*06/09/2009*	*Hexachlorobenzene*	*9.4*	*9.4*	*U*	*UG/L*	*1*	
DUP@MW12I	06/09/2009	Fluorene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Fluoranthene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Di-n-octyl phthalate	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Di-n-butyl phthalate	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Dimethyl phthalate	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Diethyl phthalate	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	Isophorone	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	1,4-Dichlorobenzene	9.4	9.4	U	UG/L	75	75
DUP@MW12I	06/09/2009	3-Nitroaniline	47	47	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
DUP@MW12I	06/09/2009	4-Methylphenol	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	1,2,4-Trichlorobenzene	9.4	9.4	U	UG/L	70	70
DUP@MW12I	06/09/2009	1,3-Dichlorobenzene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2,2'-Oxybis(1-Chloropropane)	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2,4,5-Trichlorophenol	50	50	U	UG/L		
DUP@MW12I	06/09/2009	2,4,6-Trichlorophenol	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2,4-Dichlorophenol	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2,4-Dimethylphenol	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2,4-Dinitrophenol	50	50	U	UG/L		
DUP@MW12I	06/09/2009	3,3'-Dichlorobenzidine	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2,6-Dinitrotoluene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2-Chloronaphthalene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2-Chlorophenol	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2-Methylnaphthalene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2-Methylphenol	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	1,2-Dichlorobenzene	9.4	9.4	U	UG/L	600	600
DUP@MW12I	06/09/2009	2-Nitrophenol	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2,4-Dinitrotoluene	9.4	9.4	U	UG/L		
DUP@MW12I	06/09/2009	2-Nitroaniline	50	50	U	UG/L		
DUP@MW12I	06/09/2009	Acetone	10	10	U	UG/L		
DUP@MW12I	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
DUP@MW12I	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
DUP@MW12I	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
DUP@MW12I	06/09/2009	Bromomethane	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	2-Hexanone	10	10	U	UG/L		
DUP@MW12I	06/09/2009	2-Butanone	10	10	U	UG/L		
DUP@MW12I	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
DUP@MW12I	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
DUP@MW12I	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
DUP@MW12I	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
DUP@MW12I	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
DUP@MW12I	06/09/2009	Bromoform	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
DUP@MW12I	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
DUP@MW12I	06/09/2009	Chloroethane	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	Benzene	1	1.0	U	UG/L	5	5

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DUP@MW12I	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
DUP@MW12I	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
DUP@MW12I	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
DUP@MW12I	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
DUP@MW12I	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
DUP@MW12I	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
DUP@MW12I	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
DUP@MW12I	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
DUP@MW12I	06/09/2009	Chloromethane	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	Chloroform	1	1.0	U	UG/L		
DUP@MW12I	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
DUP@MW2S	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
DUP@MW2S	06/09/2009	Chloride	34	1.0		MG/L		200
DUP@MW2S	06/09/2009	Sulfate	190	5.0	D08	MG/L		400
DUP@MW2S	06/09/2009	Nitrate	4.12	0.05		MG/L	10	10
DUP@MW2S	06/09/2009	Alkalinity, Total	339	10.0		MG/L		
DUP@MW2S	06/09/2009	Total Dissolved Solids	710	10.0		MG/L		1200
DUP@MW2S	06/09/2009	Total Suspended Solids	4	4.0	U	MG/L		
DUP@MW2S	06/09/2009	Total Organic Carbon	1	1.0	U	MG/L		
DUP@MW2S	06/09/2009	Sulfide	1000	1000	U	UG/L		
DUP@MW2S	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
DUP@MW2S	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
DUP@MW2S	06/09/2009	Calcium	143	0.1		MG/L		
DUP@MW2S	06/09/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
DUP@MW2S	***06/09/2009***	***Thallium***	***0.002***	***0.0020***	***U***	***MG/L***	***0.002***	***0.002***
DUP@MW2S	06/09/2009	Vanadium	0.003	0.0030	U	MG/L		
DUP@MW2S	06/09/2009	Zinc	0.005	0.0050	U	MG/L		5
DUP@MW2S	06/09/2009	Copper	0.0041	0.0040		MG/L	1.3	0.65
DUP@MW2S	06/09/2009	Aluminum	0.071	0.040		MG/L		
DUP@MW2S	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
DUP@MW2S	*06/09/2009*	*Arsenic*	*0.02*	*0.0200*	*U*	*MG/L*	*0.01*	*0.05*
DUP@MW2S	06/09/2009	Barium	0.0494	0.0050		MG/L	2	2
DUP@MW2S	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
DUP@MW2S	06/09/2009	Cobalt	0.003	0.0030	U	MG/L		1
DUP@MW2S	06/09/2009	Chromium	0.0079	0.0030		MG/L	0.1	0.1
DUP@MW2S	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05

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DUP@MW2S	06/09/2009	Iron	0.086	0.060		MG/L		5
DUP@MW2S	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
DUP@MW2S	06/09/2009	Magnesium	44.6	0.050		MG/L		
DUP@MW2S	06/09/2009	Manganese	0.0284	0.0010		MG/L		0.15
DUP@MW2S	06/09/2009	Nickel	0.0102	0.0040		MG/L		0.1
DUP@MW2S	06/09/2009	Potassium	4.92	0.150		MG/L		
DUP@MW2S	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
DUP@MW2S	06/09/2009	Sodium	18.9	1.0		MG/L		
DUP@MW2S	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
DUP@MW2S	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
DUP@MW2S	06/09/2009	Chloroethane	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	Chloroform	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	Chloromethane	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
DUP@MW2S	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
DUP@MW2S	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
DUP@MW2S	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
DUP@MW2S	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
DUP@MW2S	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
DUP@MW2S	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
DUP@MW2S	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
DUP@MW2S	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
DUP@MW2S	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
DUP@MW2S	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
DUP@MW2S	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
DUP@MW2S	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
DUP@MW2S	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
DUP@MW2S	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
DUP@MW2S	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
DUP@MW2S	06/09/2009	2-Butanone	10	10	U	UG/L		
DUP@MW2S	06/09/2009	2-Hexanone	10	10	U	UG/L		
DUP@MW2S	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
DUP@MW2S	06/09/2009	Acetone	10	10	U	UG/L		
DUP@MW2S	06/09/2009	Benzene	1	1.0	U	UG/L	5	5

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DUP@MW2S	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	Bromoform	1	1.0	U	UG/L		
DUP@MW2S	06/09/2009	Bromomethane	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	Alkalinity, Total	471	10.0		MG/L		
DUP2@MW6I	06/10/2009	Chloride	2.5	2.5	U, D02	MG/L		200
DUP2@MW6I	06/10/2009	Sulfate	5	5.0	U, D04	MG/L		400
DUP2@MW6I	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
DUP2@MW6I	06/10/2009	Sulfide	1000	1000	U	UG/L		
DUP2@MW6I	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
DUP2@MW6I	06/10/2009	Total Organic Carbon	7.8	1.0		MG/L		
DUP2@MW6I	06/10/2009	Total Dissolved Solids	718	10.0		MG/L		1200
DUP2@MW6I	06/10/2009	Total Suspended Solids	14	4.0		MG/L		
DUP2@MW6I	06/10/2009	Manganese	0.0366	0.0010		MG/L		0.15
DUP2@MW6I	06/10/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
DUP2@MW6I	***06/10/2009***	***Thallium***	***0.002***	***0.0020***	***U***	***MG/L***	***0.002***	***0.002***
DUP2@MW6I	06/10/2009	Zinc	0.005	0.0050	U	MG/L		5
DUP2@MW6I	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		
DUP2@MW6I	06/10/2009	Sodium	91.3	1.0		MG/L		
DUP2@MW6I	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
DUP2@MW6I	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
DUP2@MW6I	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
DUP2@MW6I	06/10/2009	Potassium	15.8	0.150		MG/L		
DUP2@MW6I	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
DUP2@MW6I	06/10/2009	Cobalt	0.003	0.0030	U	MG/L		1
DUP2@MW6I	06/10/2009	Calcium	90.2	0.1		MG/L		
DUP2@MW6I	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
DUP2@MW6I	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
DUP2@MW6I	06/10/2009	Barium	0.359	0.0050		MG/L	2	2
DUP2@MW6I	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6
DUP2@MW6I	06/10/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
DUP2@MW6I	**06/10/2009**	**Iron**	**5.47**	**0.060**	**B1, B**	**MG/L**		**5**
DUP2@MW6I	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
DUP2@MW6I	06/10/2009	Magnesium	63.6	0.050		MG/L		
DUP2@MW6I	06/10/2009	Nickel	0.004	0.0040		MG/L		0.1
DUP2@MW6I	*06/10/2009*	*Arsenic*	*0.02*	*0.0200*	*U*	*MG/L*	*0.01*	*0.05*
DUP2@MW6I	06/10/2009	Aluminum	0.199	0.040	B	MG/L		
DUP2@MW6I	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
DUP2@MW6I	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
DUP2@MW6I	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5

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DUP2@MW6I	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
DUP2@MW6I	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
DUP2@MW6I	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
DUP2@MW6I	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
DUP2@MW6I	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
DUP2@MW6I	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
DUP2@MW6I	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
DUP2@MW6I	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
DUP2@MW6I	06/10/2009	Chloroethane	8	1.0		UG/L		
DUP2@MW6I	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
DUP2@MW6I	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
DUP2@MW6I	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
DUP2@MW6I	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
DUP2@MW6I	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
DUP2@MW6I	06/10/2009	Chloromethane	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	2-Hexanone	10	10	U	UG/L		
DUP2@MW6I	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	Acetone	10	10	U	UG/L		
DUP2@MW6I	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
DUP2@MW6I	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	Bromoform	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	Bromomethane	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
DUP2@MW6I	06/10/2009	Chloroform	1	1.0	U	UG/L		
DUP2@MW6I	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
DUP2@MW6I	06/10/2009	2-Butanone	10	10	U	UG/L		
DUP2@MW6I	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
FB	06/09/2009	Nitrate	0.05	0.05	U	MG/L	10	10
FB	06/09/2009	Total Organic Carbon	1	1.0	U	MG/L		
FB	06/09/2009	Sulfide	1000	1000	U	UG/L		
FB	06/09/2009	Total Suspended Solids	4	4.0	U	MG/L		
FB	06/09/2009	Total Dissolved Solids	10	10.0	U	MG/L		1200
FB	06/09/2009	Alkalinity, Total	10	10.0	U	MG/L		
FB	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
FB	06/09/2009	Sulfate	1	1.0	U	MG/L		400

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FB	06/09/2009	Chloride	1	1.0	U	MG/L		200
FB	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
FB	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
FB	06/09/2009	Vanadium	0.003	0.0030	U	MG/L		
FB	***06/09/2009***	***Thallium***	***0.002***	***0.0020***	***U***	***MG/L***	***0.002***	***0.002***
FB	***06/09/2009***	***Mercury***	***0.004***	***0.0040***	***U***	***MG/L***	***0.002***	***0.002***
FB	06/09/2009	Potassium	0.15	0.150	U	MG/L		
FB	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
FB	06/09/2009	Sodium	1	1.0	U	MG/L		
FB	06/09/2009	Barium	0.005	0.0050	U	MG/L	2	2
FB	*06/09/2009*	*Arsenic*	*0.02*	*0.0200*	*U*	*MG/L*	*0.01*	*0.05*
FB	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
FB	06/09/2009	Zinc	0.005	0.0050	U	MG/L		5
FB	06/09/2009	Nickel	0.004	0.0040	U	MG/L		0.1
FB	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
FB	06/09/2009	Calcium	0.06	0.04		MG/L		
FB	06/09/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
FB	06/09/2009	Cobalt	0.003	0.0030	U	MG/L		1
FB	06/09/2009	Magnesium	0.05	0.050	U	MG/L		
FB	06/09/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
FB	06/09/2009	Iron	0.06	0.060	U	MG/L		5
FB	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
FB	06/09/2009	Aluminum	0.03	0.030	U	MG/L		
FB	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
FB	06/09/2009	Manganese	0.001	0.0010	U	MG/L		0.15
FB	06/09/2009	1,2-Dichlorobenzene	9.4	9.4	U	UG/L	600	600
FB	06/09/2009	1,3-Dichlorobenzene	9.4	9.4	U	UG/L		
FB	06/09/2009	1,4-Dichlorobenzene	9.4	9.4	U	UG/L	75	75
FB	06/09/2009	2,2'-Oxybis(1-Chloropropane)	9.4	9.4	U	UG/L		
FB	06/09/2009	2,4,5-Trichlorophenol	50	50	U	UG/L		
FB	06/09/2009	2,4-Dichlorophenol	9.4	9.4	U	UG/L		
FB	06/09/2009	1,2,4-Trichlorobenzene	9.4	9.4	U	UG/L	70	70
FB	06/09/2009	Di-n-butyl phthalate	9.4	9.4	U	UG/L		
FB	06/09/2009	2,4-Dimethylphenol	9.4	9.4	U	UG/L		
FB	06/09/2009	2,4,6-Trichlorophenol	9.4	9.4	U	UG/L		
FB	06/09/2009	Hexachloroethane	9.4	9.4	U	UG/L		
FB	06/09/2009	Hexachlorocyclopentadiene	24	24	U	UG/L	50	50
FB	06/09/2009	Hexachlorobutadiene	40	40	U	UG/L		
FB	*06/09/2009*	*Hexachlorobenzene*	*9.4*	*9.4*	*U*	*UG/L*	*1*	

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
FB	06/09/2009	Fluorene	9.4	9.4	U	UG/L		
FB	06/09/2009	Dimethyl phthalate	9.4	9.4	U	UG/L		
FB	06/09/2009	Fluoranthene	9.4	9.4	U	UG/L		
FB	06/09/2009	Di-n-octyl phthalate	9.4	9.4	U	UG/L		
FB	06/09/2009	2,4-Dinitrotoluene	9.4	9.4	U	UG/L		
FB	06/09/2009	2,6-Dinitrotoluene	9.4	9.4	U	UG/L		
FB	06/09/2009	Diethyl phthalate	9.4	9.4	U	UG/L		
FB	06/09/2009	Benzo(b)fluoranthene	9.4	9.4	U	UG/L		
FB	06/09/2009	2,4-Dinitrophenol	50	50	U	UG/L		
FB	06/09/2009	Naphthalene	9.4	9.4	U	UG/L		
FB	06/09/2009	Nitrobenzene	9.4	9.4	U	UG/L		
FB	06/09/2009	N-Nitrosodi-n-propylamine	9.4	9.4	U	UG/L		
FB	06/09/2009	N-Nitrosodiphenylamine	9.4	9.4	U	UG/L		
FB	***06/09/2009***	***Pentachlorophenol***	***47***	***47***	***U, L4***	***UG/L***	***1***	***1***
FB	06/09/2009	Phenanthrene	9.4	9.4	U	UG/L		
FB	06/09/2009	Phenol	9.4	9.4	U	UG/L		100
FB	06/09/2009	Pyrene	9.4	9.4	U	UG/L		
FB	06/09/2009	Indeno(1,2,3-cd)pyrene	9.4	9.4	U	UG/L		
FB	***06/09/2009***	***Benzo(a)pyrene***	***9.4***	***9.4***	***U***	***UG/L***	***0.2***	***0.2***
FB	06/09/2009	Anthracene	9.4	9.4	U	UG/L		
FB	06/09/2009	Benzo(ghi)perylene	9.4	9.4	U	UG/L		
FB	06/09/2009	Benzo(k)fluoranthene	9.4	9.4	U	UG/L		
FB	06/09/2009	Bis(2-chloroethoxy)methane	9.4	9.4	U	UG/L		
FB	06/09/2009	Bis(2-chloroethyl)ether	9.4	9.4	U	UG/L		
FB	***06/09/2009***	***Bis(2-ethylhexyl) phthalate***	***9.4***	***9.4***	***U***	***UG/L***	***6***	***6***
FB	06/09/2009	Butyl benzyl phthalate	9.4	9.4	U	UG/L		
FB	06/09/2009	Carbazole	10	10	U	UG/L		
FB	06/09/2009	Chrysene	9.4	9.4	U	UG/L		
FB	06/09/2009	Dibenzo(a,h)anthracene	9.4	9.4	U	UG/L		
FB	06/09/2009	Dibenzofuran	9.4	9.4	U	UG/L		
FB	06/09/2009	Benzo(a)anthracene	9.4	9.4	U	UG/L		
FB	06/09/2009	4,6-Dinitro-2-methylphenol	47	47	U	UG/L		
FB	06/09/2009	4-Chlorophenyl phenyl ether	9.4	9.4	U	UG/L		
FB	06/09/2009	Isophorone	9.4	9.4	U	UG/L		
FB	06/09/2009	4-Chloro-3-methylphenol	9.4	9.4	U	UG/L		
FB	06/09/2009	Acenaphthylene	9.4	9.4	U	UG/L		
FB	06/09/2009	4-Methylphenol	9.4	9.4	U	UG/L		
FB	06/09/2009	4-Nitroaniline	47	47	U	UG/L		
FB	06/09/2009	4-Nitrophenol	47	47	U	UG/L		

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FB	06/09/2009	4-Chloroaniline	9.4	9.4	U	UG/L		
FB	06/09/2009	4-Bromophenyl phenyl ether	9.4	9.4	U	UG/L		
FB	06/09/2009	3-Nitroaniline	47	47	U	UG/L		
FB	06/09/2009	3,3'-Dichlorobenzidine	9.4	9.4	U	UG/L		
FB	06/09/2009	2-Nitrophenol	9.4	9.4	U	UG/L		
FB	06/09/2009	2-Nitroaniline	50	50	U	UG/L		
FB	06/09/2009	2-Methylphenol	9.4	9.4	U	UG/L		
FB	06/09/2009	2-Methylnaphthalene	9.4	9.4	U	UG/L		
FB	06/09/2009	2-Chlorophenol	9.4	9.4	U	UG/L		
FB	06/09/2009	2-Chloronaphthalene	9.4	9.4	U	UG/L		
FB	06/09/2009	Acenaphthene	9.4	9.4	U	UG/L		
FB	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
FB	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
FB	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
FB	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
FB	06/09/2009	2-Hexanone	10	10	U	UG/L		
FB	06/09/2009	2-Butanone	10	10	U	UG/L		
FB	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
FB	06/09/2009	Chloromethane	1	1.0	U	UG/L		
FB	06/09/2009	Chloroform	1	1.0	U	UG/L		
FB	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
FB	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
FB	06/09/2009	Chloroethane	1	1.0	U	UG/L		
FB	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
FB	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
FB	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
FB	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
FB	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
FB	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
FB	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
FB	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
FB	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
FB	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
FB	06/09/2009	Acetone	10	10	U	UG/L		
FB	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
FB	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
FB	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
FB	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
FB	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		

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FB	06/09/2009	Bromoform	1	1.0	U	UG/L		
FB	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
FB	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
FB	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
FB	06/09/2009	Bromomethane	1	1.0	U	UG/L		
FB	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
FB	06/09/2009	Chloride	1	1.0	U	MG/L		200
FB	06/09/2009	Sulfate	1	1.0	U	MG/L		400
FB	06/09/2009	Nitrate	0.05	0.05	U	MG/L	10	10
FB	06/09/2009	Nitrite	0.2	0.2	U	MG/L	1	
FB	06/09/2009	Total Dissolved Solids	10	10.0	U	MG/L		1200
FB	06/09/2009	Alkalinity, Total	10	10.0	U	MG/L		
FB	06/09/2009	Sulfide	1000	1000	U	UG/L		
FB	06/09/2009	Total Organic Carbon	1	1.0	U	MG/L		
FB	06/09/2009	Total Suspended Solids	4	4.0	U	MG/L		
FB	06/09/2009	Barium	0.005	0.0050	U	MG/L	2	2
FB	06/09/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
FB	06/09/2009	Magnesium	0.05	0.050	U	MG/L		
FB	06/09/2009	Manganese	0.001	0.0010	U	MG/L		0.15
FB	06/09/2009	Nickel	0.004	0.0040	U	MG/L		0.1
FB	06/09/2009	Potassium	0.15	0.150	U	MG/L		
FB	06/09/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
FB	06/09/2009	Silver	0.004	0.0040	U	MG/L		0.05
FB	06/09/2009	Sodium	1	1.0	U	MG/L		
FB	06/09/2009	Vanadium	0.003	0.0030	U	MG/L		
FB	06/09/2009	Zinc	0.005	0.0050	U	MG/L		5
FB	***06/09/2009***	***Thallium***	***0.002***	***0.0020***	***U***	***MG/L***	***0.002***	***0.002***
FB	06/09/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
FB	06/09/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
FB	*06/09/2009*	*Arsenic*	*0.02*	*0.0200*	*U*	*MG/L*	*0.01*	*0.05*
FB	06/09/2009	Antimony	0.006	0.0060	U	MG/L	6	6
FB	06/09/2009	Aluminum	0.05	0.040		MG/L		
FB	06/09/2009	Calcium	0.1	0.1		MG/L		
FB	06/09/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
FB	06/09/2009	Cobalt	0.003	0.0030	U	MG/L		1
FB	06/09/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
FB	06/09/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
FB	06/09/2009	Iron	0.06	0.060	U	MG/L		5
FB	06/09/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002

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FB	06/09/2009	Chloromethane	1	1.0	U	UG/L		
FB	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
FB	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
FB	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
FB	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
FB	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
FB	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
FB	06/09/2009	Chloroethane	1	1.0	U	UG/L		
FB	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
FB	06/09/2009	Chloroform	1	1.0	U	UG/L		
FB	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
FB	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
FB	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
FB	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
FB	06/09/2009	2-Butanone	10	10	U	UG/L		
FB	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
FB	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
FB	06/09/2009	Acetone	10	10	U	UG/L		
FB	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
FB	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
FB	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
FB	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
FB	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
FB	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
FB	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
FB	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
FB	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
FB	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
FB	06/09/2009	Bromoform	1	1.0	U	UG/L		
FB	06/09/2009	Bromomethane	1	1.0	U	UG/L		
FB	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
FB	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
FB	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
FB	06/09/2009	2-Hexanone	10	10	U	UG/L		
FB01	06/10/2009	Sulfate	1	1.0	U	MG/L		400
FB01	06/10/2009	Nitrate	0.05	0.05	U	MG/L	10	10
FB01	06/10/2009	Total Suspended Solids	4	4.0	U	MG/L		
FB01	06/10/2009	Nitrite	0.2	0.2	U	MG/L	1	
FB01	06/10/2009	Chloride	1	1.0	U	MG/L		200

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
FB01	06/10/2009	Total Organic Carbon	1	1.0	U	MG/L		
FB01	06/10/2009	Sulfide	1000	1000	U	UG/L		
FB01	06/10/2009	Total Dissolved Solids	10	10.0	U	MG/L		1200
FB01	06/10/2009	Alkalinity, Total	10	10.0	U	MG/L		
FB01	06/10/2009	Selenium	0.01	0.0100	U	MG/L	0.05	0.05
FB01	06/10/2009	Potassium	0.15	0.150	U	MG/L		
FB01	06/10/2009	Lead	0.005	0.0050	U	MG/L	0.015	0.0075
FB01	06/10/2009	Silver	0.004	0.0040	U	MG/L		0.05
FB01	06/10/2009	Magnesium	0.05	0.050	U	MG/L		
FB01	06/10/2009	Nickel	0.004	0.0040	U	MG/L		0.1
FB01	06/10/2009	Mercury	0.0004	0.0004	U	MG/L	0.002	0.002
FB01	06/10/2009	Sodium	1	1.0	U	MG/L		
FB01	06/10/2009	Vanadium	0.003	0.0030	U	MG/L		
FB01	06/10/2009	Zinc	0.005	0.0050	U	MG/L		5
FB01	***06/10/2009***	***Thallium***	***0.002***	***0.0020***	***U***	***MG/L***	***0.002***	***0.002***
FB01	06/10/2009	Calcium	0.1	0.1		MG/L		
FB01	06/10/2009	Iron	0.06	0.060	U	MG/L		5
FB01	06/10/2009	Copper	0.004	0.0040	U	MG/L	1.3	0.65
FB01	06/10/2009	Antimony	0.006	0.0060	U	MG/L	6	6
FB01	06/10/2009	Total Cyanide	0.02	0.0200	U	MG/L	200	200
FB01	06/10/2009	Cobalt	0.003	0.0030	U	MG/L		1
FB01	06/10/2009	Aluminum	0.084	0.040	B	MG/L		
FB01	06/10/2009	Chromium	0.003	0.0030	U	MG/L	0.1	0.1
FB01	*06/10/2009*	*Arsenic*	*0.02*	*0.0200*	*U*	*MG/L*	*0.01*	*0.05*
FB01	06/10/2009	Manganese	0.001	0.0010	U	MG/L		0.15
FB01	06/10/2009	Barium	0.005	0.0050	U	MG/L	2	2
FB01	06/10/2009	Beryllium	0.001	0.0010	U	MG/L	0.004	0.004
FB01	06/10/2009	Cadmium	0.001	0.0010	U	MG/L	0.005	0.005
FB01	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
FB01	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
FB01	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
FB01	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
FB01	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
FB01	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
FB01	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
FB01	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
FB01	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
FB01	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
FB01	06/10/2009	Bromomethane	1	1.0	U	UG/L		

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FB01	06/10/2009	Bromoform	1	1.0	U	UG/L		
FB01	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
FB01	06/10/2009	Acetone	10	10	U	UG/L		
FB01	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
FB01	06/10/2009	2-Hexanone	10	10	U	UG/L		
FB01	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
FB01	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
FB01	06/10/2009	2-Butanone	10	10	U	UG/L		
FB01	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
FB01	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
FB01	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
FB01	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
FB01	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
FB01	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
FB01	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
FB01	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
FB01	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
FB01	06/10/2009	Chloromethane	1	1.0	U	UG/L		
FB01	06/10/2009	Chloroethane	1	1.0	U	UG/L		
FB01	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
FB01	06/10/2009	Chloroform	1	1.0	U	UG/L		
FB01	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
FB01	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
TRIP BLANK	06/09/2009	Chloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Chloroform	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
TRIP BLANK	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
TRIP BLANK	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
TRIP BLANK	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
TRIP BLANK	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
TRIP BLANK	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
TRIP BLANK	06/09/2009	Chloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
TRIP BLANK	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	2-Butanone	10	10	U	UG/L		
TRIP BLANK	06/09/2009	2-Hexanone	10	10	U	UG/L		
TRIP BLANK	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
TRIP BLANK	06/09/2009	Acetone	10	10	U	UG/L		
TRIP BLANK	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Bromoform	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Bromomethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Chloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Chloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
TRIP BLANK	06/09/2009	Carbon disulfide	5	5.0	U	UG/L		
TRIP BLANK	06/09/2009	Chloroform	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Bromomethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	2-Butanone	10	10	U	UG/L		
TRIP BLANK	06/09/2009	Dibromochloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
TRIP BLANK	06/09/2009	Bromoform	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Styrene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/09/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
TRIP BLANK	06/09/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
TRIP BLANK	06/09/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	Bromodichloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
TRIP BLANK	06/09/2009	Trichloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/09/2009	Toluene	1	1.0	U	UG/L	1000	1000
TRIP BLANK	06/09/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	Benzene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
TRIP BLANK	06/09/2009	2-Hexanone	10	10	U	UG/L		
TRIP BLANK	06/09/2009	Acetone	10	10	U	UG/L		
TRIP BLANK	06/09/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/09/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/09/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/09/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
TRIP BLANK	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Chloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Chloroform	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Chloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
TRIP BLANK	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
TRIP BLANK	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
TRIP BLANK	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	2-Hexanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
TRIP BLANK	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
TRIP BLANK	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
TRIP BLANK	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Acetone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5

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TRIP BLANK	06/10/2009	2-Butanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromoform	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromomethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
TRIP BLANK	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
TRIP BLANK	06/10/2009	2-Hexanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromomethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromoform	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	2-Butanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
TRIP BLANK	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Acetone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
TRIP BLANK	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
TRIP BLANK	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
TRIP BLANK	06/10/2009	Chloroform	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
TRIP BLANK	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
TRIP BLANK	06/10/2009	Chloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Chloroethane	1	1.0	U	UG/L		

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TRIP BLANK	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
TRIP BLANK	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
TRIP BLANK	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
TRIP BLANK	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromomethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
TRIP BLANK	06/10/2009	2-Hexanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
TRIP BLANK	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
TRIP BLANK	06/10/2009	Chloroform	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Chloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Acetone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	Chloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
TRIP BLANK	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	2-Butanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
TRIP BLANK	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
TRIP BLANK	06/10/2009	Bromoform	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
TRIP BLANK	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromomethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Chloroform	1	1.0	U	UG/L		

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TRIP BLANK	06/10/2009	Chloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
TRIP BLANK	06/10/2009	Carbon disulfide	5	5.0	U	UG/L		
TRIP BLANK	06/10/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
TRIP BLANK	06/10/2009	Bromoform	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Bromodichloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Benzene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Chloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
TRIP BLANK	06/10/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Dibromochloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	Styrene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/10/2009	Toluene	1	1.0	U	UG/L	1000	1000
TRIP BLANK	06/10/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	Acetone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
TRIP BLANK	06/10/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
TRIP BLANK	06/10/2009	Trichloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	2-Hexanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	2-Butanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/10/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7
TRIP BLANK	06/10/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/10/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
TRIP BLANK	06/10/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	Bromoform	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	Ethylbenzene	1	1.0	U	UG/L	700	700
TRIP BLANK	06/11/2009	1,1-Dichloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	Methylene Chloride	2	2.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	Bromomethane	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	Styrene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/11/2009	1,1-Dichloroethene	1	1.0	U	UG/L	7	7

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
TRIP BLANK	06/11/2009	1,1,1-Trichloroethane	1	1.0	U	UG/L	200	200
TRIP BLANK	06/11/2009	1,1,2,2-Tetrachloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	1,2-Dichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	Vinyl chloride	1	1.0	U	UG/L	2	2
TRIP BLANK	06/11/2009	2-Butanone	10	10	U	UG/L		
TRIP BLANK	06/11/2009	Trichloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	Tetrachloroethene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	trans-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	trans-1,2-Dichloroethene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/11/2009	Xylenes, total	3	3.0	U	UG/L	10000	10000
TRIP BLANK	06/11/2009	Chloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	Toluene	1	1.0	U	UG/L	1000	1000
TRIP BLANK	06/11/2009	Acetone	10	10	U	UG/L		
TRIP BLANK	06/11/2009	Benzene	1	1.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	Bromodichloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	Chloroethane	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	Chlorobenzene	1	1.0	U	UG/L	100	100
TRIP BLANK	06/11/2009	1,2-Dichloropropane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	Carbon Tetrachloride	1	1.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	Dibromochloromethane	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	4-Methyl-2-pentanone	10	10	U	UG/L		
TRIP BLANK	06/11/2009	Carbon disulfide	5	5.0	U	UG/L		
TRIP BLANK	06/11/2009	2-Hexanone	10	10	U	UG/L		
TRIP BLANK	06/11/2009	cis-1,2-Dichloroethene	1	1.0	U	UG/L	70	70
TRIP BLANK	06/11/2009	1,1,2-Trichloroethane	1	1.0	U	UG/L	5	5
TRIP BLANK	06/11/2009	cis-1,3-Dichloropropene	1	1.0	U	UG/L		
TRIP BLANK	06/11/2009	Chloroform	1	1.0	U	UG/L		

Appendix D
Tri-County Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Environmental Monitoring and Technologies, Inc.
All other laboratory analyses performed by TestAmerica Buffalo.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
B1 = Analyte was detected in the associated Method Blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
D02 = Dilution required due to sample matrix effects.
D04 = Dilution required due to high levels of non-target analyte(s).
D08 = Dilution required due to high concentration of target analyte(s).
L4 = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
U = Analyte was not detected above the reporting limit.

Appendix D
Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
DUPLICATE#1@MW9D	06/23/2009	Alkalinity, Total	202	0.79		MG/L		
DUPLICATE#1@MW9D	06/23/2009	Chloride	150	2.8	D02, D08	MG/L		200
DUPLICATE#1@MW9D	06/23/2009	Nitrate	0.043	0.01	J	MG/L	10	10
DUPLICATE#1@MW9D	06/23/2009	Nitrite	0.01	0.01	U	MG/L	1	
DUPLICATE#1@MW9D	06/23/2009	Sulfate	170	3.5	D02, D08	MG/L		400
DUPLICATE#1@MW9D	06/23/2009	Sulfide	700	700	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Total Dissolved Solids	656	4.0		MG/L		1200
DUPLICATE#1@MW9D	06/23/2009	Total Organic Carbon	0.9	0.4	J	MG/L		
DUPLICATE#1@MW9D	06/23/2009	Total Suspended Solids	4	4.0	U	MG/L		
DUPLICATE#1@MW9D	06/23/2009	Aluminum	0.039	0.039	U	MG/L		
DUPLICATE#1@MW9D	06/23/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
DUPLICATE#1@MW9D	06/23/2009	Arsenic	0.0005	0.00007	J	MG/L	0.01	0.05
DUPLICATE#1@MW9D	06/23/2009	Barium	0.153	0.0003		MG/L	2	2
DUPLICATE#1@MW9D	06/23/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
DUPLICATE#1@MW9D	06/23/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
DUPLICATE#1@MW9D	06/23/2009	Calcium	96.6	0.04	B	MG/L		
DUPLICATE#1@MW9D	06/23/2009	Chromium	0.005	0.0009		MG/L	0.1	0.1
DUPLICATE#1@MW9D	06/23/2009	Cobalt	0.0018	0.0005	J	MG/L		1
DUPLICATE#1@MW9D	06/23/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
DUPLICATE#1@MW9D	06/23/2009	Iron	0.019	0.019	U	MG/L		5
DUPLICATE#1@MW9D	06/23/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
DUPLICATE#1@MW9D	06/23/2009	Magnesium	53.3	0.043		MG/L		
DUPLICATE#1@MW9D	06/23/2009	Manganese	0.0694	0.0002	B	MG/L		0.15
DUPLICATE#1@MW9D	06/23/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
DUPLICATE#1@MW9D	06/23/2009	Nickel	0.0061	0.0013	J	MG/L		0.1
DUPLICATE#1@MW9D	06/23/2009	Potassium	2.49	0.028	J	MG/L		
DUPLICATE#1@MW9D	06/23/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
DUPLICATE#1@MW9D	06/23/2009	Silver	0.0012	0.0012	U	MG/L		0.05
DUPLICATE#1@MW9D	06/23/2009	Sodium	57.3	0.3		MG/L		
DUPLICATE#1@MW9D	06/23/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
DUPLICATE#1@MW9D	06/23/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
DUPLICATE#1@MW9D	06/23/2009	Vanadium	0.0011	0.0011	U	MG/L		
DUPLICATE#1@MW9D	06/23/2009	Zinc	0.0015	0.0015	U	MG/L		5
DUPLICATE#1@MW9D	06/23/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
DUPLICATE#1@MW9D	06/23/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
DUPLICATE#1@MW9D	06/23/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
DUPLICATE#1@MW9D	06/23/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5

Appendix D
Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
DUPLICATE#1@MW9D	06/23/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
DUPLICATE#1@MW9D	06/23/2009	2-Butanone	1.3	1.3	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	2-Hexanone	1.2	1.2	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Acetone	1.3	1.3	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Benzene	0.16	0.16	U	UG/L	5	5
DUPLICATE#1@MW9D	06/23/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Bromoform	0.26	0.26	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Bromomethane	0.28	0.28	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Carbon disulfide	0.19	0.19	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
DUPLICATE#1@MW9D	06/23/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
DUPLICATE#1@MW9D	06/23/2009	Chloroethane	0.32	0.32	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Chloroform	0.34	0.34	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Chloromethane	0.35	0.35	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
DUPLICATE#1@MW9D	06/23/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
DUPLICATE#1@MW9D	06/23/2009	Styrene	0.18	0.18	U	UG/L	100	100
DUPLICATE#1@MW9D	06/23/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
DUPLICATE#1@MW9D	06/23/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
DUPLICATE#1@MW9D	06/23/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
DUPLICATE#1@MW9D	06/23/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
DUPLICATE#1@MW9D	06/23/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
DUPLICATE#1@MW9D	06/23/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
DUPLICATE#2@MW21S	06/25/2009	Alkalinity, Total	76.5	0.79		MG/L		
DUPLICATE#2@MW21S	**06/25/2009**	**Chloride**	**240**	**2.8**	**D08**	**MG/L**		**200**
DUPLICATE#2@MW21S	06/25/2009	Sulfate	140	3.5	D08	MG/L		400
DUPLICATE#2@MW21S	06/25/2009	Sulfide	700	700	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Total Dissolved Solids	1010	4.0		MG/L		1200
DUPLICATE#2@MW21S	06/25/2009	Total Organic Carbon	5.4	0.4		MG/L		
DUPLICATE#2@MW21S	06/25/2009	Total Suspended Solids	4	4.0	U	MG/L		
DUPLICATE#2@MW21S	06/25/2009	Aluminum	0.049	0.039	B	MG/L		
DUPLICATE#2@MW21S	06/25/2009	Antimony	0.0007	0.0002	J	MG/L	6	6
DUPLICATE#2@MW21S	06/25/2009	Arsenic	0.0024	0.00007		MG/L	0.01	0.05
DUPLICATE#2@MW21S	06/25/2009	Barium	0.192	0.0003		MG/L	2	2
DUPLICATE#2@MW21S	06/25/2009	Beryllium	0.00001	0.00001	U, I	MG/L	0.004	0.004

Appendix D
Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
DUPLICATE#2@MW21S	06/25/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
DUPLICATE#2@MW21S	06/25/2009	Calcium	52.6	0.04	B	MG/L		
DUPLICATE#2@MW21S	06/25/2009	Chromium	0.0009	0.0009	U	MG/L	0.1	0.1
DUPLICATE#2@MW21S	06/25/2009	Cobalt	0.0007	0.0005	J	MG/L		1
DUPLICATE#2@MW21S	06/25/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
DUPLICATE#2@MW21S	06/25/2009	Iron	0.025	0.019	J	MG/L		5
DUPLICATE#2@MW21S	06/25/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
DUPLICATE#2@MW21S	06/25/2009	Magnesium	35.7	0.043		MG/L		
DUPLICATE#2@MW21S	06/25/2009	Manganese	0.017	0.0002		MG/L		0.15
DUPLICATE#2@MW21S	06/25/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
DUPLICATE#2@MW21S	06/25/2009	Nickel	0.0069	0.0013	J	MG/L		0.1
DUPLICATE#2@MW21S	06/25/2009	Potassium	27.8	0.028		MG/L		
DUPLICATE#2@MW21S	06/25/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
DUPLICATE#2@MW21S	06/25/2009	Silver	0.0012	0.0012	U	MG/L		0.05
DUPLICATE#2@MW21S	06/25/2009	Sodium	148	0.3		MG/L		
DUPLICATE#2@MW21S	06/25/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
DUPLICATE#2@MW21S	06/25/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
DUPLICATE#2@MW21S	06/25/2009	Vanadium	0.0019	0.0011	J	MG/L		
DUPLICATE#2@MW21S	06/25/2009	Zinc	0.0015	0.0015	U	MG/L		5
DUPLICATE#2@MW21S	06/25/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
DUPLICATE#2@MW21S	06/25/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
DUPLICATE#2@MW21S	06/25/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
DUPLICATE#2@MW21S	06/25/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
DUPLICATE#2@MW21S	06/25/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
DUPLICATE#2@MW21S	06/25/2009	2-Butanone	1.3	1.3	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	2-Hexanone	1.2	1.2	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Acetone	1.3	1.3	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Benzene	0.16	0.16	U	UG/L	5	5
DUPLICATE#2@MW21S	06/25/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Bromoform	0.26	0.26	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Bromomethane	0.28	0.28	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Carbon disulfide	0.19	0.19	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
DUPLICATE#2@MW21S	06/25/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
DUPLICATE#2@MW21S	06/25/2009	Chloroethane	0.32	0.32	U	UG/L		

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Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
DUPLICATE#2@MW21S	06/25/2009	Chloroform	0.34	0.34	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Chloromethane	0.35	0.35	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
DUPLICATE#2@MW21S	06/25/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
DUPLICATE#2@MW21S	06/25/2009	Styrene	0.18	0.18	U	UG/L	100	100
DUPLICATE#2@MW21S	06/25/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
DUPLICATE#2@MW21S	06/25/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
DUPLICATE#2@MW21S	06/25/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
DUPLICATE#2@MW21S	06/25/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
DUPLICATE#2@MW21S	06/25/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
DUPLICATE#2@MW21S	06/25/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
EB01@MW20S	06/25/2009	Alkalinity, Total	1.13	0.79	J	MG/L		
EB01@MW20S	06/25/2009	Chloride	0.28	0.28	U	MG/L		200
EB01@MW20S	06/25/2009	Nitrate	0.01	0.01	U	MG/L	10	10
EB01@MW20S	06/25/2009	Nitrite	0.01	0.01	U	MG/L	1	
EB01@MW20S	06/25/2009	Sulfate	0.35	0.35	U	MG/L		400
EB01@MW20S	06/25/2009	Sulfide	700	700	U	UG/L		
EB01@MW20S	06/25/2009	Total Dissolved Solids	4	4.0	U	MG/L		1200
EB01@MW20S	06/25/2009	Total Organic Carbon	0.4	0.4	U	MG/L		
EB01@MW20S	06/25/2009	Total Suspended Solids	4	4.0	U	MG/L		
EB01@MW20S	06/25/2009	Aluminum	0.056	0.039	B	MG/L		
EB01@MW20S	06/25/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
EB01@MW20S	06/25/2009	Arsenic	0.00007	0.00007	U	MG/L	0.01	0.05
EB01@MW20S	06/25/2009	Barium	0.0003	0.0003	U	MG/L	2	2
EB01@MW20S	06/25/2009	Beryllium	0.00001	0.00001	U, C	MG/L	0.004	0.004
EB01@MW20S	06/25/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
EB01@MW20S	06/25/2009	Calcium	0.3	0.04	J, B	MG/L		
EB01@MW20S	06/25/2009	Chromium	0.0009	0.0009	U	MG/L	0.1	0.1
EB01@MW20S	06/25/2009	Cobalt	0.0005	0.0005	U	MG/L		1
EB01@MW20S	06/25/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
EB01@MW20S	06/25/2009	Iron	0.019	0.019	U	MG/L		5
EB01@MW20S	06/25/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
EB01@MW20S	06/25/2009	Magnesium	0.043	0.043	U	MG/L		
EB01@MW20S	06/25/2009	Manganese	0.0002	0.0002	U	MG/L		0.15
EB01@MW20S	06/25/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
EB01@MW20S	06/25/2009	Nickel	0.0013	0.0013	U	MG/L		0.1
EB01@MW20S	06/25/2009	Potassium	0.028	0.028	U	MG/L		

Appendix D
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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
EB01@MW20S	06/25/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
EB01@MW20S	06/25/2009	Silver	0.0012	0.0012	U	MG/L		0.05
EB01@MW20S	06/25/2009	Sodium	0.3	0.3	U	MG/L		
EB01@MW20S	06/25/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
EB01@MW20S	06/25/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
EB01@MW20S	06/25/2009	Vanadium	0.0011	0.0011	U	MG/L		
EB01@MW20S	06/25/2009	Zinc	0.0016	0.0015	J	MG/L		5
EB01@MW20S	06/25/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
EB01@MW20S	06/25/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
EB01@MW20S	06/25/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
EB01@MW20S	06/25/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
EB01@MW20S	06/25/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
EB01@MW20S	06/25/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
EB01@MW20S	06/25/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
EB01@MW20S	06/25/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
EB01@MW20S	06/25/2009	2-Butanone	1.3	1.3	U	UG/L		
EB01@MW20S	06/25/2009	2-Hexanone	1.2	1.2	U	UG/L		
EB01@MW20S	06/25/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
EB01@MW20S	06/25/2009	Acetone	1.3	1.3	U	UG/L		
EB01@MW20S	06/25/2009	Benzene	0.16	0.16	U	UG/L	5	5
EB01@MW20S	06/25/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
EB01@MW20S	06/25/2009	Bromoform	0.26	0.26	U	UG/L		
EB01@MW20S	06/25/2009	Bromomethane	0.28	0.28	U	UG/L		
EB01@MW20S	06/25/2009	Carbon disulfide	0.19	0.19	U	UG/L		
EB01@MW20S	06/25/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
EB01@MW20S	06/25/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
EB01@MW20S	06/25/2009	Chloroethane	0.32	0.32	U	UG/L		
EB01@MW20S	06/25/2009	Chloroform	0.34	0.34	U	UG/L		
EB01@MW20S	06/25/2009	Chloromethane	0.35	0.35	U	UG/L		
EB01@MW20S	06/25/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
EB01@MW20S	06/25/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
EB01@MW20S	06/25/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
EB01@MW20S	06/25/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
EB01@MW20S	06/25/2009	Styrene	0.18	0.18	U	UG/L	100	100
EB01@MW20S	06/25/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
EB01@MW20S	06/25/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
EB01@MW20S	06/25/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
EB01@MW20S	06/25/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
EB01@MW20S	06/25/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
EB01@MW20S	06/25/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
FB01@EL-GWG111-06	06/24/2009	Alkalinity, Total	1.36	0.79	J	MG/L		
FB01@EL-GWG111-06	06/24/2009	Chloride	0.28	0.28	U	MG/L		200
FB01@EL-GWG111-06	06/24/2009	Nitrate	0.01	0.01	U	MG/L	10	10
FB01@EL-GWG111-06	06/24/2009	Nitrite	0.01	0.01	U	MG/L	1	
FB01@EL-GWG111-06	06/24/2009	Sulfate	0.35	0.35	U	MG/L		400
FB01@EL-GWG111-06	06/24/2009	Sulfide	700	700	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Total Dissolved Solids	4	4.0	U	MG/L		1200
FB01@EL-GWG111-06	06/24/2009	Total Organic Carbon	0.4	0.4	U	MG/L		
FB01@EL-GWG111-06	06/24/2009	Total Suspended Solids	4	4.0	U	MG/L		
FB01@EL-GWG111-06	06/24/2009	Aluminum	0.039	0.039	U	MG/L		
FB01@EL-GWG111-06	06/24/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
FB01@EL-GWG111-06	06/24/2009	Arsenic	0.00007	0.00007	U	MG/L	0.01	0.05
FB01@EL-GWG111-06	06/24/2009	Barium	0.0004	0.0003	J	MG/L	2	2
FB01@EL-GWG111-06	06/24/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
FB01@EL-GWG111-06	06/24/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
FB01@EL-GWG111-06	06/24/2009	Calcium	0.2	0.04	J, B	MG/L		
FB01@EL-GWG111-06	06/24/2009	Chromium	0.0009	0.0009	U	MG/L	0.1	0.1
FB01@EL-GWG111-06	06/24/2009	Cobalt	0.0005	0.0005	U	MG/L		1
FB01@EL-GWG111-06	06/24/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
FB01@EL-GWG111-06	06/24/2009	Iron	0.019	0.019	U	MG/L		5
FB01@EL-GWG111-06	06/24/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
FB01@EL-GWG111-06	06/24/2009	Magnesium	0.074	0.043	J, B	MG/L		
FB01@EL-GWG111-06	06/24/2009	Manganese	0.0002	0.0002	U	MG/L		0.15
FB01@EL-GWG111-06	06/24/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
FB01@EL-GWG111-06	06/24/2009	Nickel	0.0013	0.0013	U	MG/L		0.1
FB01@EL-GWG111-06	06/24/2009	Potassium	0.028	0.028	U	MG/L		
FB01@EL-GWG111-06	06/24/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
FB01@EL-GWG111-06	06/24/2009	Silver	0.0012	0.0012	U	MG/L		0.05
FB01@EL-GWG111-06	06/24/2009	Sodium	0.3	0.3	U	MG/L		
FB01@EL-GWG111-06	06/24/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
FB01@EL-GWG111-06	06/24/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
FB01@EL-GWG111-06	06/24/2009	Vanadium	0.0011	0.0011	U	MG/L		
FB01@EL-GWG111-06	06/24/2009	Zinc	0.0015	0.0015	U	MG/L		5
FB01@EL-GWG111-06	06/24/2009	1,2,4-Trichlorobenzene	0.11	0.11	U	UG/L	70	70
FB01@EL-GWG111-06	06/24/2009	1,2-Dichlorobenzene	1.4	1.4	U	UG/L	600	600
FB01@EL-GWG111-06	06/24/2009	1,3-Dichlorobenzene	0.13	0.13	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	1,4-Dichlorobenzene	0.15	0.15	U	UG/L	75	75
FB01@EL-GWG111-06	06/24/2009	2,2'-Oxybis(1-Chloropropane)	3.8	3.8	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
FB01@EL-GWG111-06	06/24/2009	2,4,5-Trichlorophenol	0.94	0.94	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2,4,6-Trichlorophenol	0.95	0.95	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2,4-Dichlorophenol	0.75	0.75	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2,4-Dimethylphenol	0.92	0.92	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2,4-Dinitrophenol	2.1	2.1	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2,4-Dinitrotoluene	0.43	0.43	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2,6-Dinitrotoluene	0.49	0.49	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2-Chloronaphthalene	0.08	0.080	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2-Chlorophenol	0.48	0.48	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2-Methylnaphthalene	0.078	0.078	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2-Methylphenol	0.22	0.22	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2-Nitroaniline	0.47	0.47	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2-Nitrophenol	0.57	0.57	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	3,3'-Dichlorobenzidine	0.36	0.36	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	3-Nitroaniline	1.5	1.5	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4,6-Dinitro-2-methylphenol	2.2	2.2	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4-Bromophenyl phenyl ether	0.86	0.86	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4-Chloro-3-methylphenol	0.57	0.57	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4-Chloroaniline	0.31	0.31	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4-Chlorophenyl phenyl ether	0.16	0.16	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4-Methylphenol	0.55	0.55	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4-Nitroaniline	0.43	0.43	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4-Nitrophenol	1.4	1.4	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Acenaphthene	0.11	0.11	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Acenaphthylene	0.045	0.045	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Anthracene	0.053	0.053	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Benzo(a)anthracene	0.061	0.061	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Benzo(a)pyrene	0.087	0.087	U	UG/L	0.2	0.2
FB01@EL-GWG111-06	06/24/2009	Benzo(b)fluoranthene	0.06	0.060	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Benzo(ghi)perylene	0.074	0.074	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Benzo(k)fluoranthene	0.063	0.063	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Bis(2-chloroethoxy)methane	0.36	0.36	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Bis(2-chloroethyl)ether	0.17	0.17	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Bis(2-ethylhexyl) phthalate	4.5	4.5	U	UG/L	6	6
FB01@EL-GWG111-06	06/24/2009	Butyl benzyl phthalate	1.7	1.7	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Carbazole	0.085	0.085	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Chrysene	0.26	0.26	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Dibenzo(a,h)anthracene	0.19	0.19	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Dibenzofuran	1.5	1.5	U	UG/L		

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
FB01@EL-GWG111-06	06/24/2009	Diethyl phthalate	0.1	0.10	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Dimethyl phthalate	0.29	0.29	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Di-n-butyl phthalate	0.28	0.28	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Di-n-octyl phthalate	0.23	0.23	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Fluoranthene	0.093	0.093	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Fluorene	0.07	0.070	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Hexachlorobenzene	0.42	0.42	U	UG/L	1	
FB01@EL-GWG111-06	06/24/2009	Hexachlorobutadiene	2.5	2.5	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Hexachlorocyclopentadiene	2.4	2.4	U	UG/L	50	50
FB01@EL-GWG111-06	06/24/2009	Hexachloroethane	2.7	2.7	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Indeno(1,2,3-cd)pyrene	0.15	0.15	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Isophorone	0.3	0.30	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Naphthalene	0.11	0.11	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Nitrobenzene	0.51	0.51	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	N-Nitrosodi-n-propylamine	0.43	0.43	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	N-Nitrosodiphenylamine	0.25	0.25	U, L	UG/L		
FB01@EL-GWG111-06	06/24/2009	Pentachlorophenol	4.9	4.9	U	UG/L	1	1
FB01@EL-GWG111-06	06/24/2009	Phenanthrene	0.11	0.11	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Phenol	0.42	0.42	U	UG/L		100
FB01@EL-GWG111-06	06/24/2009	Pyrene	0.065	0.065	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
FB01@EL-GWG111-06	06/24/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
FB01@EL-GWG111-06	06/24/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
FB01@EL-GWG111-06	06/24/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
FB01@EL-GWG111-06	06/24/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
FB01@EL-GWG111-06	06/24/2009	2-Butanone	1.3	1.3	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	2-Hexanone	1.2	1.2	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Acetone	1.3	1.3	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Benzene	0.16	0.16	U	UG/L	5	5
FB01@EL-GWG111-06	06/24/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Bromoform	0.26	0.26	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Bromomethane	0.28	0.28	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Carbon disulfide	0.19	0.19	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
FB01@EL-GWG111-06	06/24/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
FB01@EL-GWG111-06	06/24/2009	Chloroethane	0.32	0.32	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Chloroform	0.34	0.34	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Chloromethane	0.35	0.35	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
FB01@EL-GWG111-06	06/24/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
FB01@EL-GWG111-06	06/24/2009	Styrene	0.18	0.18	U	UG/L	100	100
FB01@EL-GWG111-06	06/24/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
FB01@EL-GWG111-06	06/24/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
FB01@EL-GWG111-06	06/24/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
FB01@EL-GWG111-06	06/24/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
FB01@EL-GWG111-06	06/24/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
FB01@EL-GWG111-06	06/24/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
FB02@EL-GWMW21S-06	06/25/2009	Alkalinity, Total	0.92	0.79	J	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Chloride	0.28	0.28	U	MG/L		200
FB02@EL-GWMW21S-06	06/25/2009	Nitrate	0.01	0.01	U	MG/L	10	10
FB02@EL-GWMW21S-06	06/25/2009	Nitrite	0.01	0.01	U	MG/L	1	
FB02@EL-GWMW21S-06	06/25/2009	Sulfate	0.35	0.35	U	MG/L		400
FB02@EL-GWMW21S-06	06/25/2009	Sulfide	700	700	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Total Dissolved Solids	12	4.0		MG/L		1200
FB02@EL-GWMW21S-06	06/25/2009	Total Organic Carbon	0.4	0.4	U	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Total Suspended Solids	4	4.0	U	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Aluminum	0.047	0.039	B	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Antimony	0.0002	0.0002	U	MG/L	6	6
FB02@EL-GWMW21S-06	06/25/2009	Arsenic	0.00007	0.00007	U	MG/L	0.01	0.05
FB02@EL-GWMW21S-06	06/25/2009	Barium	0.0003	0.0003	U	MG/L	2	2
FB02@EL-GWMW21S-06	06/25/2009	Beryllium	0.00001	0.00001	U	MG/L	0.004	0.004
FB02@EL-GWMW21S-06	06/25/2009	Cadmium	0.0003	0.0003	U	MG/L	0.005	0.005
FB02@EL-GWMW21S-06	06/25/2009	Calcium	0.3	0.04	J, B	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Chromium	0.0009	0.0009	U	MG/L	0.1	0.1
FB02@EL-GWMW21S-06	06/25/2009	Cobalt	0.0005	0.0005	U	MG/L		1
FB02@EL-GWMW21S-06	06/25/2009	Copper	0.0013	0.0013	U	MG/L	1.3	0.65
FB02@EL-GWMW21S-06	06/25/2009	Iron	0.019	0.019	U	MG/L		5
FB02@EL-GWMW21S-06	06/25/2009	Lead	0.0018	0.0018	U	MG/L	0.015	0.0075
FB02@EL-GWMW21S-06	06/25/2009	Magnesium	0.043	0.043	U	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Manganese	0.0002	0.0002	U	MG/L		0.15
FB02@EL-GWMW21S-06	06/25/2009	Mercury	0.0001	0.0001	U	MG/L	0.002	0.002
FB02@EL-GWMW21S-06	06/25/2009	Nickel	0.0013	0.0013	U	MG/L		0.1

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Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
FB02@EL-GWMW21S-06	06/25/2009	Potassium	0.028	0.028	U	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Selenium	0.0061	0.0061	U	MG/L	0.05	0.05
FB02@EL-GWMW21S-06	06/25/2009	Silver	0.0012	0.0012	U	MG/L		0.05
FB02@EL-GWMW21S-06	06/25/2009	Sodium	0.3	0.3	U	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Thallium	0.00009	0.00009	U	MG/L	0.002	0.002
FB02@EL-GWMW21S-06	06/25/2009	Total Cyanide	0.005	0.0050	U	MG/L	200	200
FB02@EL-GWMW21S-06	06/25/2009	Vanadium	0.0011	0.0011	U	MG/L		
FB02@EL-GWMW21S-06	06/25/2009	Zinc	0.0015	0.0015	U	MG/L		5
FB02@EL-GWMW21S-06	06/25/2009	1,2,4-Trichlorobenzene	0.11	0.11	U	UG/L	70	70
FB02@EL-GWMW21S-06	06/25/2009	1,2-Dichlorobenzene	1.4	1.4	U	UG/L	600	600
FB02@EL-GWMW21S-06	06/25/2009	1,3-Dichlorobenzene	0.13	0.13	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	1,4-Dichlorobenzene	0.15	0.15	U	UG/L	75	75
FB02@EL-GWMW21S-06	06/25/2009	2,2'-Oxybis(1-Chloropropane)	3.8	3.8	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2,4,5-Trichlorophenol	0.93	0.93	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2,4,6-Trichlorophenol	0.94	0.94	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2,4-Dichlorophenol	0.74	0.74	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2,4-Dimethylphenol	0.91	0.91	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2,4-Dinitrophenol	2.1	2.1	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2,4-Dinitrotoluene	0.42	0.42	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2,6-Dinitrotoluene	0.48	0.48	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2-Chloronaphthalene	0.079	0.079	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2-Chlorophenol	0.48	0.48	U, L2	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2-Methylnaphthalene	0.077	0.077	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2-Methylphenol	0.22	0.22	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2-Nitroaniline	0.47	0.47	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2-Nitrophenol	0.57	0.57	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	3,3'-Dichlorobenzidine	0.35	0.35	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	3-Nitroaniline	1.5	1.5	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4,6-Dinitro-2-methylphenol	2.1	2.1	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4-Bromophenyl phenyl ether	0.85	0.85	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4-Chloro-3-methylphenol	0.56	0.56	U, L2	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4-Chloroaniline	0.31	0.31	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4-Chlorophenyl phenyl ether	0.16	0.16	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4-Methylphenol	0.55	0.55	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4-Nitroaniline	0.43	0.43	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4-Nitrophenol	1.4	1.4	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Acenaphthene	0.11	0.11	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Acenaphthylene	0.044	0.044	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Anthracene	0.053	0.053	U	UG/L		

Appendix D
Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
FB02@EL-GWMW21S-06	06/25/2009	Benzo(a)anthracene	0.06	0.060	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Benzo(a)pyrene	0.086	0.086	U	UG/L	0.2	0.2
FB02@EL-GWMW21S-06	06/25/2009	Benzo(b)fluoranthene	0.059	0.059	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Benzo(ghi)perylene	0.074	0.074	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Benzo(k)fluoranthene	0.062	0.062	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Bis(2-chloroethoxy)methane	0.35	0.35	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Bis(2-chloroethyl)ether	0.17	0.17	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Bis(2-ethylhexyl) phthalate	4.5	4.5	U	UG/L	6	6
FB02@EL-GWMW21S-06	06/25/2009	Butyl benzyl phthalate	1.6	1.6	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Carbazole	0.084	0.084	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Chrysene	0.26	0.26	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Dibenzo(a,h)anthracene	0.19	0.19	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Dibenzofuran	1.5	1.5	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Diethyl phthalate	0.1	0.10	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Dimethyl phthalate	0.28	0.28	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Di-n-butyl phthalate	0.28	0.28	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Di-n-octyl phthalate	0.23	0.23	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Fluoranthene	0.092	0.092	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Fluorene	0.07	0.070	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Hexachlorobenzene	0.42	0.42	U	UG/L	1	
FB02@EL-GWMW21S-06	06/25/2009	Hexachlorobutadiene	2.4	2.4	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Hexachlorocyclopentadiene	2.4	2.4	U	UG/L	50	50
FB02@EL-GWMW21S-06	06/25/2009	Hexachloroethane	2.7	2.7	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Indeno(1,2,3-cd)pyrene	0.14	0.14	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Isophorone	0.3	0.30	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Naphthalene	0.11	0.11	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Nitrobenzene	0.51	0.51	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	N-Nitrosodi-n-propylamine	0.43	0.43	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	N-Nitrosodiphenylamine	0.25	0.25	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Pentachlorophenol	4.8	4.8	U	UG/L	1	1
FB02@EL-GWMW21S-06	06/25/2009	Phenanthrene	0.11	0.11	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Phenol	0.42	0.42	U	UG/L		100
FB02@EL-GWMW21S-06	06/25/2009	Pyrene	0.064	0.064	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
FB02@EL-GWMW21S-06	06/25/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
FB02@EL-GWMW21S-06	06/25/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
FB02@EL-GWMW21S-06	06/25/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5

Appendix D
Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
FB02@EL-GWMW21S-06	06/25/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
FB02@EL-GWMW21S-06	06/25/2009	2-Butanone	1.3	1.3	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	2-Hexanone	1.2	1.2	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Acetone	1.3	1.3	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Benzene	0.16	0.16	U	UG/L	5	5
FB02@EL-GWMW21S-06	06/25/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Bromoform	0.26	0.26	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Bromomethane	0.28	0.28	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Carbon disulfide	0.19	0.19	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
FB02@EL-GWMW21S-06	06/25/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
FB02@EL-GWMW21S-06	06/25/2009	Chloroethane	0.32	0.32	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Chloroform	0.34	0.34	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Chloromethane	0.35	0.35	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
FB02@EL-GWMW21S-06	06/25/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
FB02@EL-GWMW21S-06	06/25/2009	Styrene	0.18	0.18	U	UG/L	100	100
FB02@EL-GWMW21S-06	06/25/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
FB02@EL-GWMW21S-06	06/25/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
FB02@EL-GWMW21S-06	06/25/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
FB02@EL-GWMW21S-06	06/25/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
FB02@EL-GWMW21S-06	06/25/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
FB02@EL-GWMW21S-06	06/25/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
TRIP BLANK	06/24/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
TRIP BLANK	06/24/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
TRIP BLANK	06/24/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
TRIP BLANK	06/24/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
TRIP BLANK	06/24/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
TRIP BLANK	06/24/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
TRIP BLANK	06/24/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
TRIP BLANK	06/24/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
TRIP BLANK	06/24/2009	2-Butanone	1.3	1.3	U	UG/L		
TRIP BLANK	06/24/2009	2-Hexanone	1.2	1.2	U	UG/L		
TRIP BLANK	06/24/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
TRIP BLANK	06/24/2009	Acetone	1.3	1.3	U	UG/L		

Appendix D
Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
TRIP BLANK	06/24/2009	Benzene	0.16	0.16	U	UG/L	5	5
TRIP BLANK	06/24/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
TRIP BLANK	06/24/2009	Bromoform	0.26	0.26	U	UG/L		
TRIP BLANK	06/24/2009	Bromomethane	0.28	0.28	U	UG/L		
TRIP BLANK	06/24/2009	Carbon disulfide	0.19	0.19	U	UG/L		
TRIP BLANK	06/24/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5
TRIP BLANK	06/24/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
TRIP BLANK	06/24/2009	Chloroethane	0.32	0.32	U	UG/L		
TRIP BLANK	06/24/2009	Chloroform	0.34	0.34	U	UG/L		
TRIP BLANK	06/24/2009	Chloromethane	0.35	0.35	U	UG/L		
TRIP BLANK	06/24/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
TRIP BLANK	06/24/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
TRIP BLANK	06/24/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
TRIP BLANK	06/24/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
TRIP BLANK	06/24/2009	Styrene	0.18	0.18	U	UG/L	100	100
TRIP BLANK	06/24/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
TRIP BLANK	06/24/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
TRIP BLANK	06/24/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
TRIP BLANK	06/24/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
TRIP BLANK	06/24/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
TRIP BLANK	06/24/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000
TRIP BLANK	06/25/2009	1,1,1-Trichloroethane	0.26	0.26	U	UG/L	200	200
TRIP BLANK	06/25/2009	1,1,2,2-Tetrachloroethane	0.21	0.21	U	UG/L		
TRIP BLANK	06/25/2009	1,1,2-Trichloroethane	0.23	0.23	U	UG/L	5	5
TRIP BLANK	06/25/2009	1,1-Dichloroethane	0.75	0.75	U	UG/L		
TRIP BLANK	06/25/2009	1,1-Dichloroethene	0.29	0.29	U	UG/L	7	7
TRIP BLANK	06/25/2009	1,2-Dichloroethane	0.21	0.21	U	UG/L	5	5
TRIP BLANK	06/25/2009	1,2-Dichloroethene, Total	0.7	0.70	U	UG/L		
TRIP BLANK	06/25/2009	1,2-Dichloropropane	0.14	0.14	U	UG/L	5	5
TRIP BLANK	06/25/2009	2-Butanone	1.3	1.3	U	UG/L		
TRIP BLANK	06/25/2009	2-Hexanone	1.2	1.2	U	UG/L		
TRIP BLANK	06/25/2009	4-Methyl-2-pentanone	0.91	0.91	U	UG/L		
TRIP BLANK	06/25/2009	Acetone	1.3	1.3	U	UG/L		
TRIP BLANK	06/25/2009	Benzene	0.16	0.16	U	UG/L	5	5
TRIP BLANK	06/25/2009	Bromodichloromethane	0.39	0.39	U	UG/L		
TRIP BLANK	06/25/2009	Bromoform	0.26	0.26	U	UG/L		
TRIP BLANK	06/25/2009	Bromomethane	0.28	0.28	U	UG/L		
TRIP BLANK	06/25/2009	Carbon disulfide	0.19	0.19	U	UG/L		
TRIP BLANK	06/25/2009	Carbon Tetrachloride	0.27	0.27	U	UG/L	5	5

Appendix D
Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
TRIP BLANK	06/25/2009	Chlorobenzene	0.32	0.32	U	UG/L	100	100
TRIP BLANK	06/25/2009	Chloroethane	0.32	0.32	U	UG/L		
TRIP BLANK	06/25/2009	Chloroform	0.34	0.34	U	UG/L		
TRIP BLANK	06/25/2009	Chloromethane	0.35	0.35	U	UG/L		
TRIP BLANK	06/25/2009	cis-1,3-Dichloropropene	0.36	0.36	U	UG/L		
TRIP BLANK	06/25/2009	Dibromochloromethane	0.32	0.32	U	UG/L		
TRIP BLANK	06/25/2009	Ethylbenzene	0.18	0.18	U	UG/L	700	700
TRIP BLANK	06/25/2009	Methylene Chloride	0.44	0.44	U	UG/L	5	5
TRIP BLANK	06/25/2009	Styrene	0.18	0.18	U	UG/L	100	100
TRIP BLANK	06/25/2009	Tetrachloroethene	0.36	0.36	U	UG/L	5	5
TRIP BLANK	06/25/2009	Toluene	0.51	0.51	U	UG/L	1000	1000
TRIP BLANK	06/25/2009	trans-1,3-Dichloropropene	0.37	0.37	U	UG/L		
TRIP BLANK	06/25/2009	Trichloroethene	0.18	0.18	U	UG/L	5	5
TRIP BLANK	06/25/2009	Vinyl chloride	0.24	0.24	U	UG/L	2	2
TRIP BLANK	06/25/2009	Xylenes, total	0.66	0.66	U	UG/L	10000	10000

Appendix D
Elgin Landfill
Quality Control Analytical Data

Well ID	Sample Date	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS

Notes:
Chloride and metals concentrations are total.
MCL = US EPA Maximum Contaminant Level.
ILGWQS = Illinois Class I Groundwater Quality Standard.
Nitrate and Nitrite analyses performed by Heritage Environmental Services, LLC.

Bold indicates exceedance of ILGWQS.

Italics indicates exceedance of MCL.

Bold and italics indicates exceedance of both the MCL and ILGWQS.

Qualifiers:
B = Analyte was detected in the associated Method Blank.
C = Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
D02 = Dilution required due to sample matrix effects.
D08 = Dilution required due to high concentration of target analyte(s).
I = Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
J = Analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.
L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L2 = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
U = Analyte was not detected above the reporting limit.

APPENDIX E

Laboratory Data QC Checklists

Data Quality Control Checklist

Date:	04/25/2010
Validator Name:	Gary Sterkel
Client:	Waste Management
Facility:	Tri-County Landfill
Event:	Annual 2009 Groundwater Monitoring Event
Laboratory:	TestAmerica Buffalo and Environmental Monitoring & Technologies, Inc.
Sampling Dates:	June 9 – June 10, 2009
Sampling Delivery Group:	2Q09 TriCo GW wSVOC
Work Orders:	RSF0381, RSF0488

	Yes	No	NA
Were the correct analytical methodologies used?	**X**		

	Yes	No	NA
Were holding times for analytical samples met?			

	VOC	14 days	**X**		
	SVOC	7 days pre-extraction, 40 days post-extraction	**X**		
	Alkalinity	14 days	**X**		
	Sulfide	28 days	**X**		
	Chloride	28 days	**X**		
	Cyanide, Total	14 days	**X**		
	Nitrogen, Nitrate	2 days	**X**		
	Nitrogen, Nitrite	28 days	**X**		
	TDS/TSS	7 days	**X**		
	Metals	6 Months	**X**		

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks?	**X**		

	Yes	No	NA
Were surrogate recoveries within the appropriate control ranges?	**X**		

	Yes	No	NA
Were laboratory control spikes within the appropriate control ranges?	**X**		

	Yes	No	NA
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?	**X**		

Data Quality Control Checklist

Date:	04/25/2010
Validator Name:	Gary Sterkel
Client:	Waste Management
Facility:	Tri-County Landfill
Event:	Annual 2009 Groundwater Monitoring Event
Laboratory:	TestAmerica Buffalo and Environmental Monitoring & Technologies, Inc
Sampling Dates:	June 9 – June 11, 2009
Sampling Delivery Group:	2Q09 TriCo annual GW
Work Orders:	RSF0489, RSF0382, RSF0563

	Yes	No	NA
Were the correct analytical methodologies used?	**X**		

Were holding times for analytical samples met?		Yes	No	NA
VOC	14 days	**X**		
Alkalinity	14 days	**X**		
Sulfide	28 days	**X**		
Chloride	28 days	**X**		
Cyanide, Total	14 days	**X**		
Nitrogen, Nitrate	2 days	**X**		
Nitrogen, Nitrite	28 days	**X**		
TDS/TSS	7 days	**X**		
Metals	6 months	**X**		

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks?	**X**		
Were surrogate recoveries within the appropriate control ranges?	**X**		
Were laboratory control spikes within the appropriate control ranges?	**X**		
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?		**X**	

Data Quality Control Checklist

Date:	04/25/2010
Validator Name:	Gary Sterkel
Client:	Waste Management
Facility:	Tri-County Landfill
Event:	Annual 2009 Groundwater Monitoring Event
Laboratory:	TestAmerica Buffalo and Environmental Monitoring & Technologies, Inc
Sampling Dates:	June 10 – June 11, 2009
Sampling Delivery Group:	2Q09 TriCo 3 wells
Work Orders:	RSF0491, RSF0560

	Yes	No	NA
Were the correct analytical methodologies used?	**X**		

		Yes	No	NA
Were holding times for analytical samples met?				
Alkalinity	14 days	**X**		
Sulfide	28 days	**X**		
Chloride	28 days	**X**		
Cyanide, Total	14 days	**X**		
Nitrogen, Nitrate	2 days	**X**		
Nitrogen, Nitrite	28 days	**X**		
TDS/TSS	7 days	**X**		

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks?		**X**	

	Yes	No	NA
Were surrogate recoveries within the appropriate control ranges?	**X**		

	Yes	No	NA
Were laboratory control spikes within the appropriate control ranges?	**X**		

	Yes	No	NA
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?			**X**

Data Quality Control Checklist

Date:	04/25/2010
Validator Name:	Gary Sterkel
Client:	Waste Management
Facility:	Elgin Landfill
Event:	Annual 2009 Groundwater Monitoring Event
Laboratory:	TestAmerica Buffalo and Heritage Environmental Services, LLC
Sampling Dates:	June 23 – June 25, 2009
Work Orders:	RSF0965, RSF1012, RSF1086

	Yes	No	NA
Were the correct analytical methodologies used?	**X**		

	Yes	No	NA
Were holding times for analytical samples met?			

VOC	14 days	**X**	
SVOC	7 days pre-extraction, 40 days post-extraction	**X**	
Alkalinity	14 days	**X**	
Sulfide	28 days	**X**	
Chloride	28 days	**X**	
Cyanide, Total	14 days	**X**	
Nitrogen, Nitrate	2 days	**X**	
Nitrogen, Nitrite	28 days	**X**	
TDS/TSS	7 days	**X**	
Metals	6 Months	**X**	

	Yes	No	NA
Were contaminants detected in the laboratory or field blanks?	**X**		

	Yes	No	NA
Were surrogate recoveries within the appropriate control ranges?	**X**		

	Yes	No	NA
Were laboratory control spikes within the appropriate control ranges?	**X**		

	Yes	No	NA
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?		**X**	

Data Quality Control Checklist

Date:	04/25/2010
Validator Name:	Gary Sterkel
Client:	Waste Management
Facility:	Tri-County Landfill
Event:	Annual 2009 Groundwater Monitoring Event
Laboratory:	TestAmerica Buffalo and Environmental Monitoring & Technologies, Inc
Sampling Dates:	June 10, 2009
Work Orders:	RSF0484, RSF0490

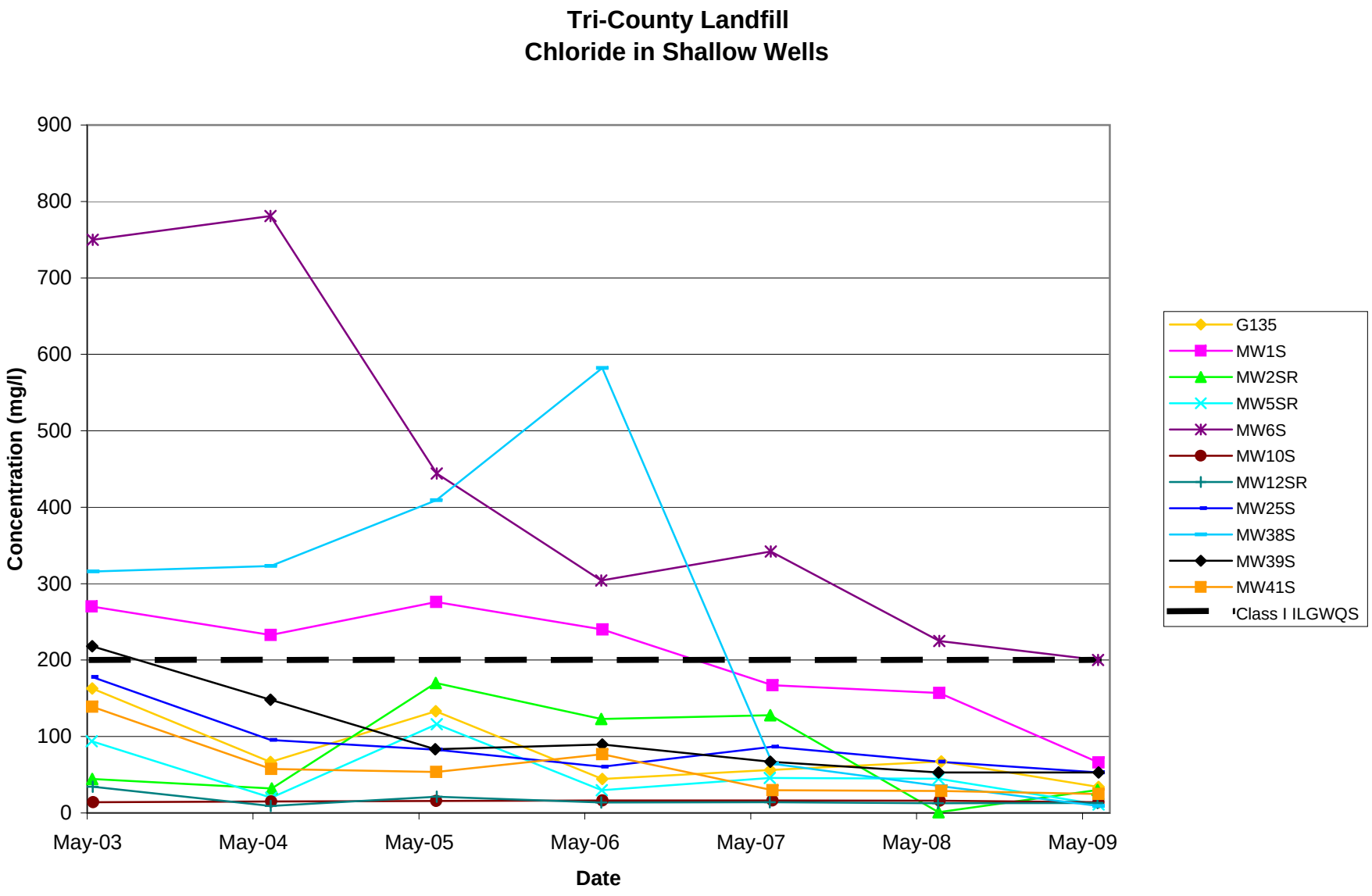
	Yes	No	NA
Were the correct analytical methodologies used?	**X**		

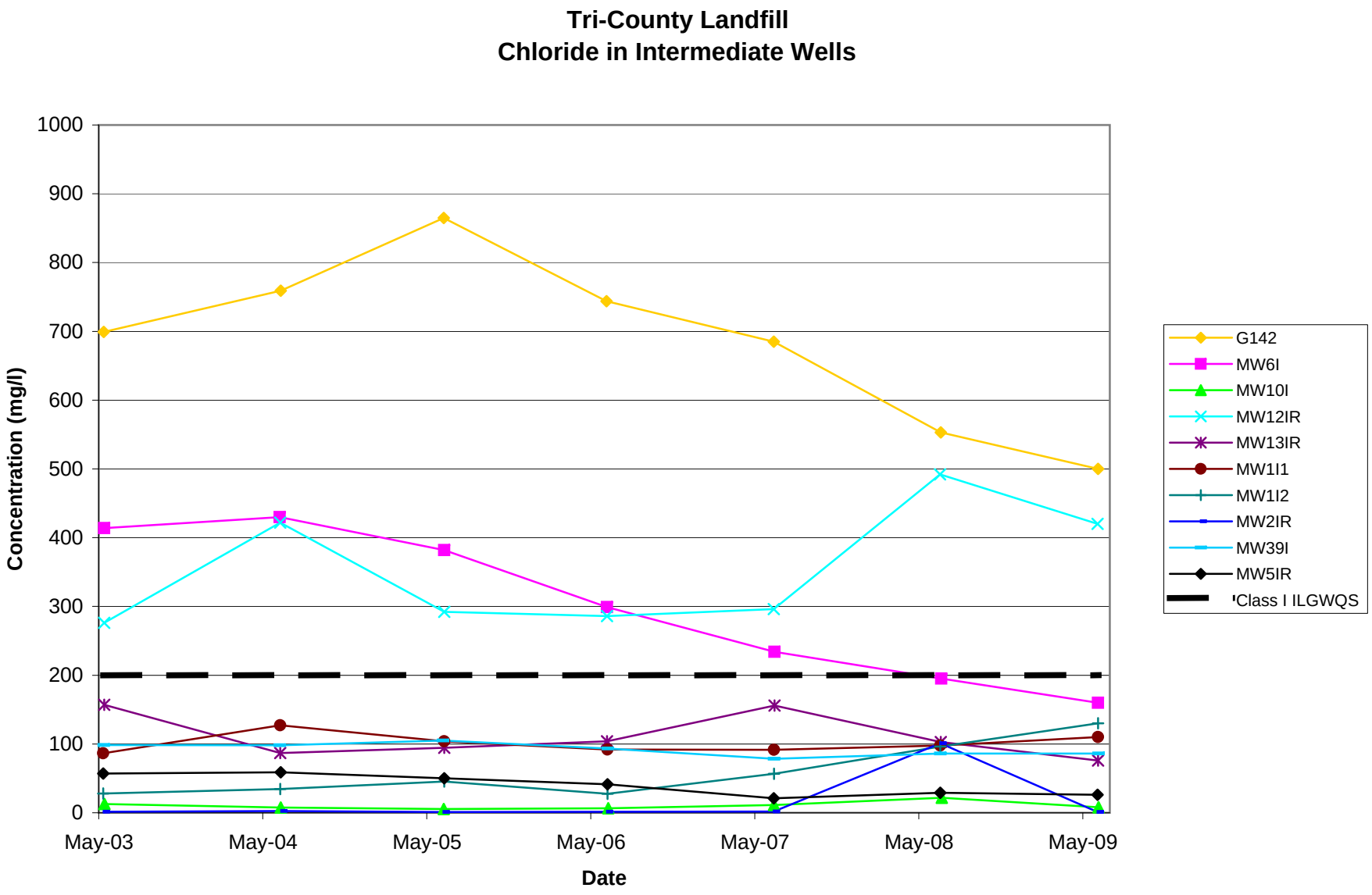
		Yes	No	NA
Were holding times for analytical samples met?				
VOC	14 days	**X**		
Alkalinity	14 days	**X**		
Sulfide	28 days	**X**		
Chloride	28 days	**X**		
Nitrogen, Nitrate	2 days	**X**		
Nitrogen, Nitrite	28 days	**X**		
TDS/TSS	7 days	**X**		

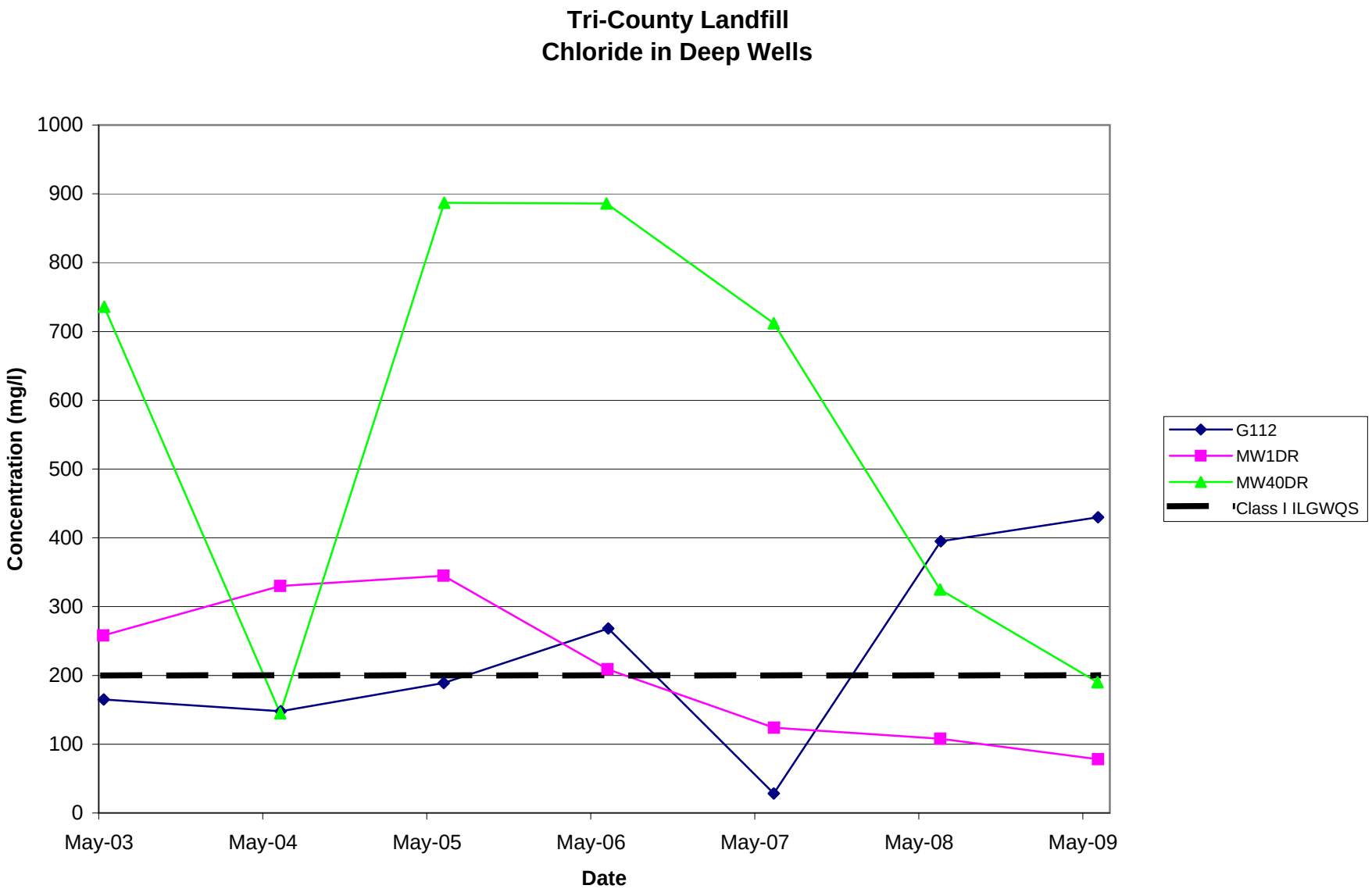
	Yes	No	NA
Were contaminants detected in the laboratory or field blanks?		**X**	
Were surrogate recoveries within the appropriate control ranges?	**X**		
Were laboratory control spikes within the appropriate control ranges?	**X**		
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?			**X**

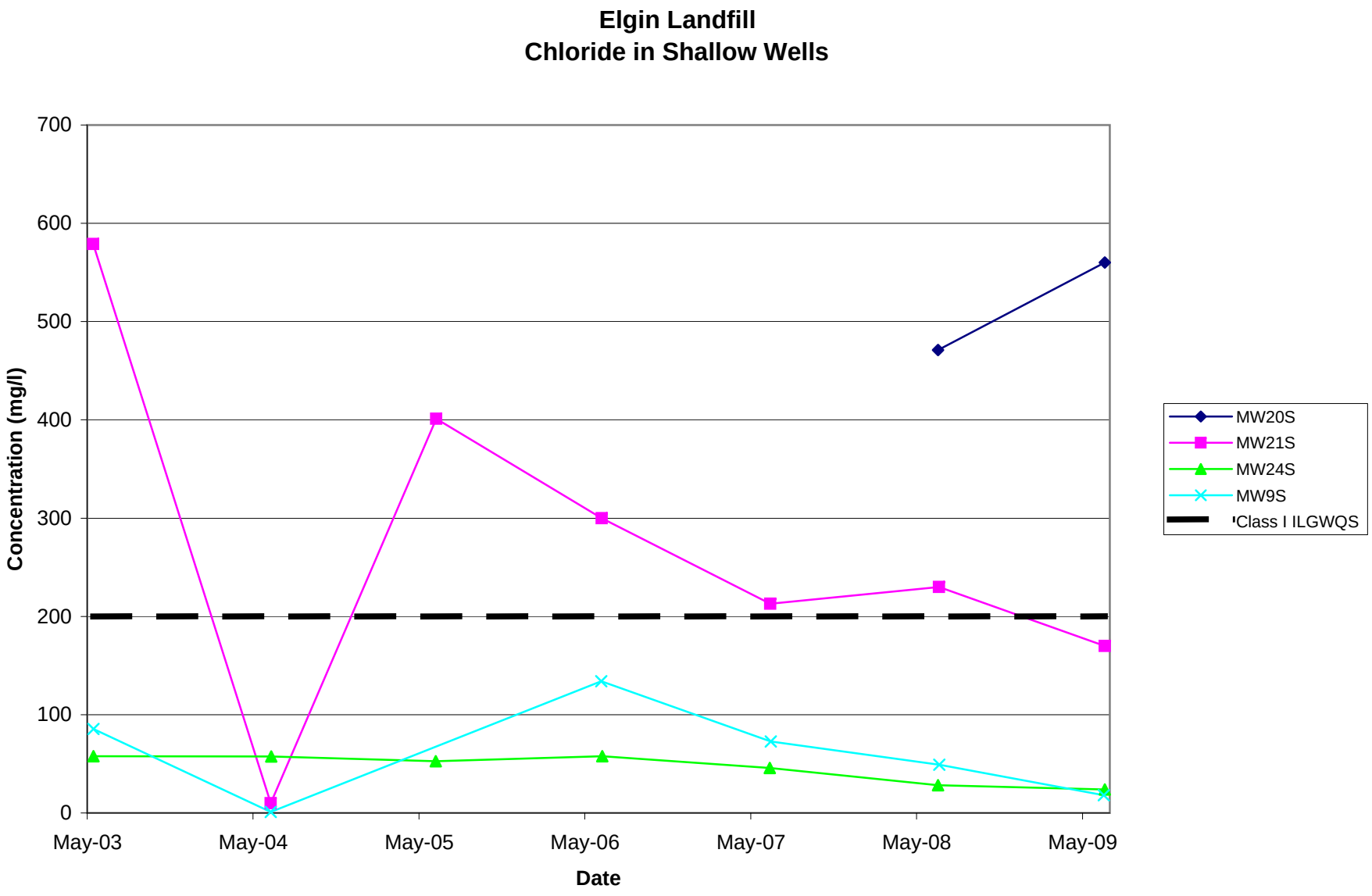
APPENDIX F

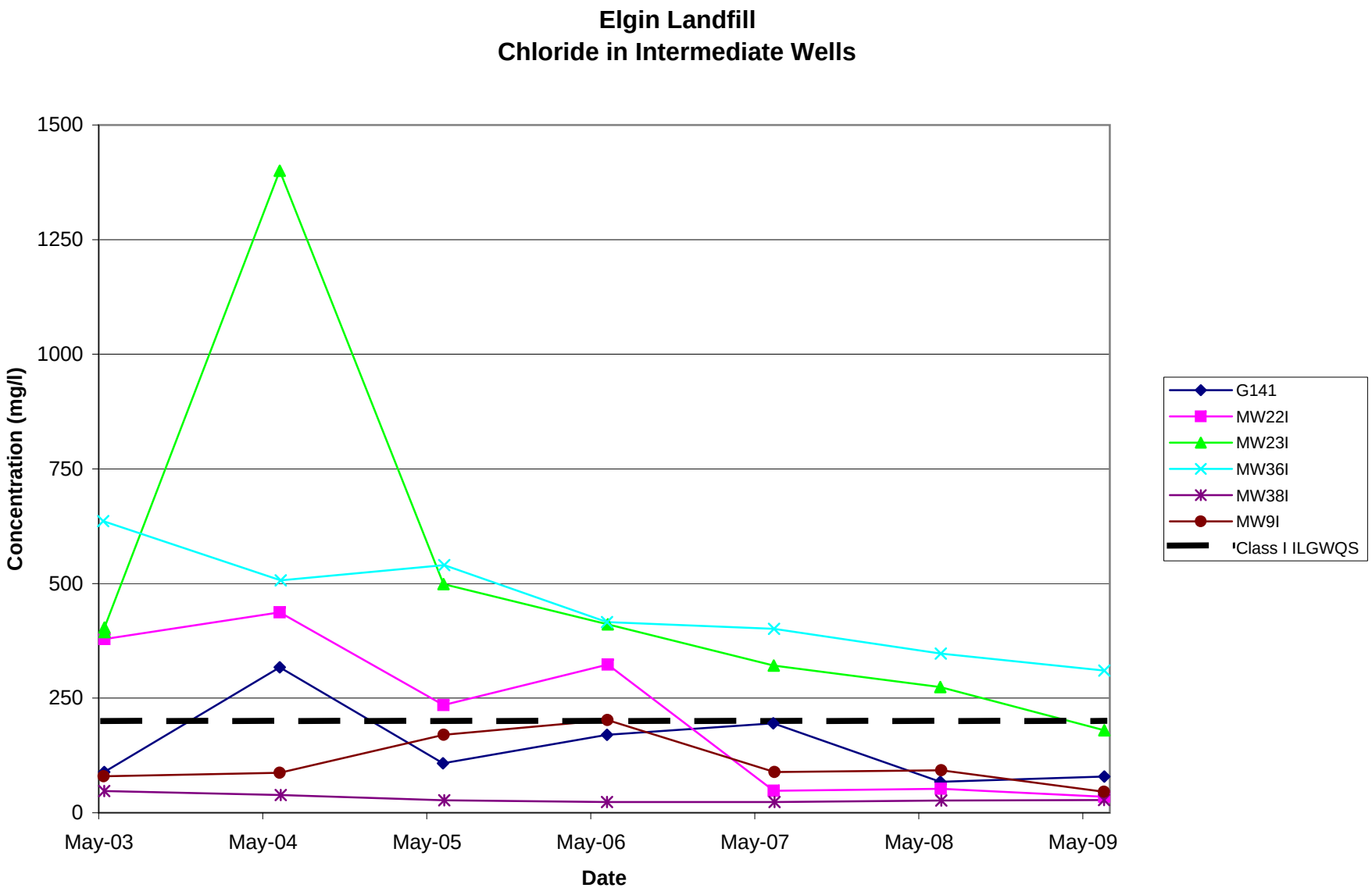
Time-Concentration Plots of Parameters Exceeding Screening Criteria

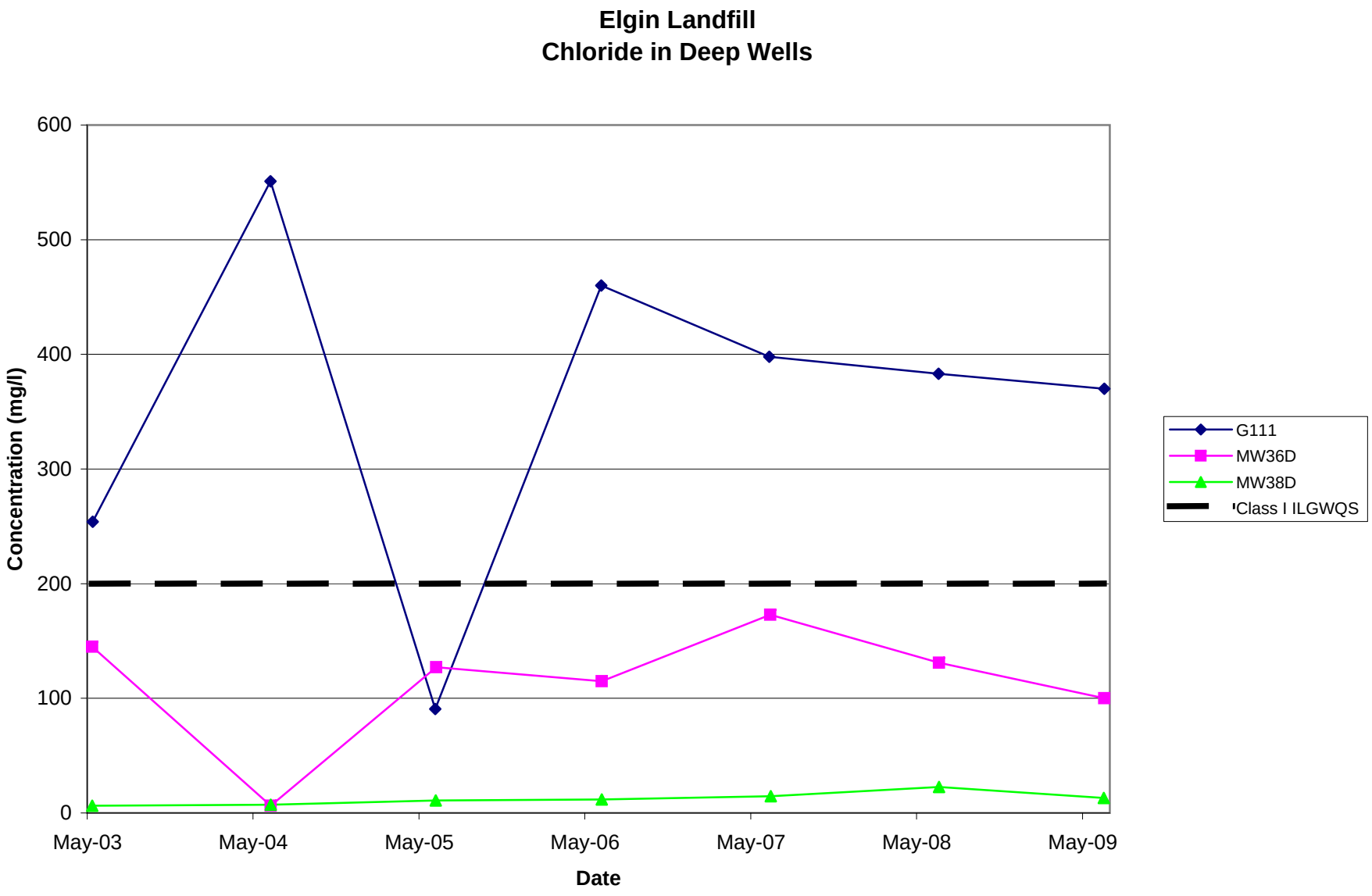

Tri-County Landfill
Chloride in Shallow Wells
Concentration (mg/l)
900
800
700
600
500
400
300
200
100
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G135
MW1S
MW2SR
MW5SR
MW6S
MW10S
MW12SR
MW25S
MW38S
MW39S
MW41S
'Class I ILGWQS

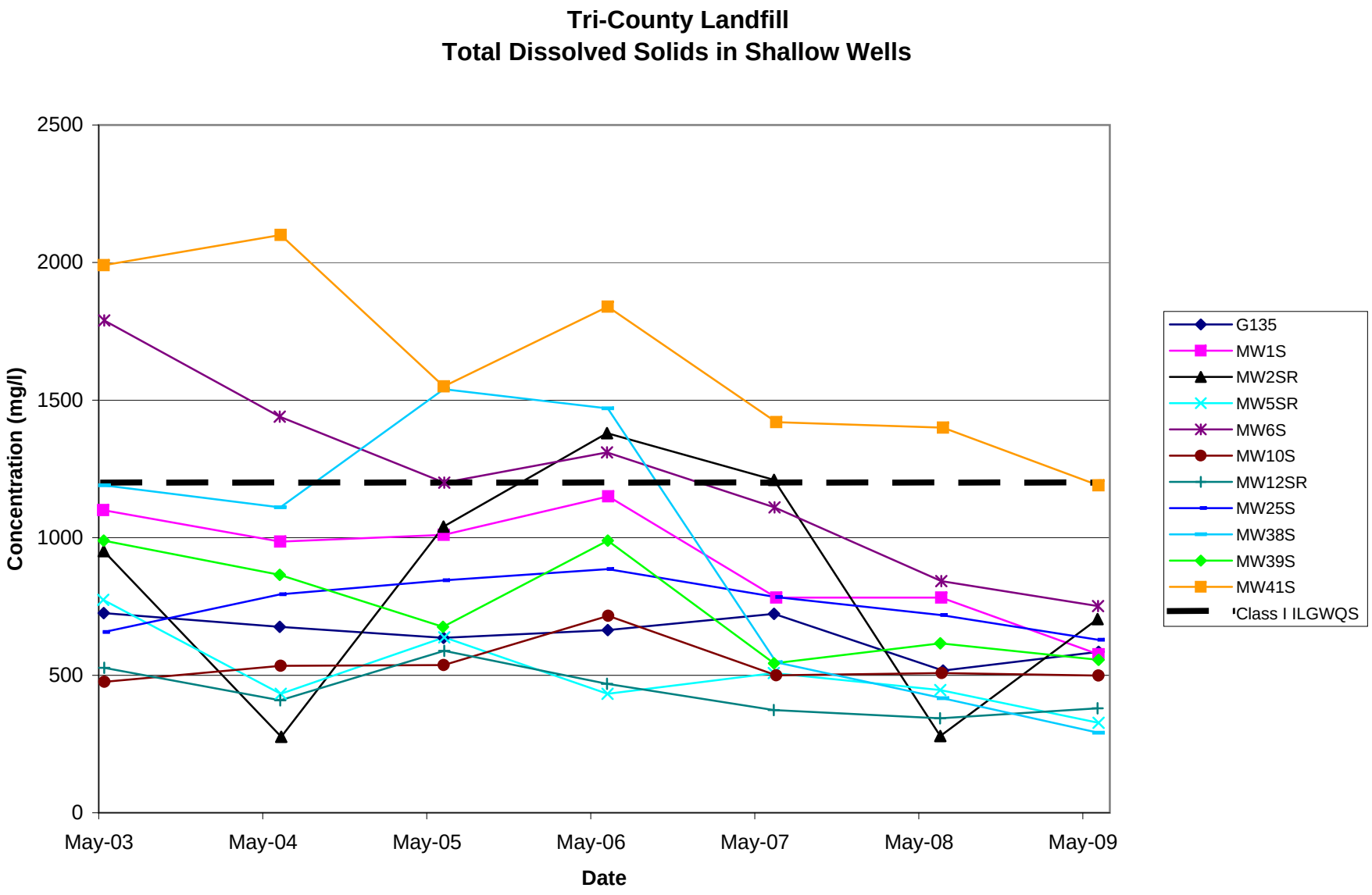

Tri-County Landfill
Chloride in Intermediate Wells
Concentration (mg/l)
1000
900
800
700
600
500
400
300
200
100
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G142
MW6I
MW10I
MW12IR
MW13IR
MW1I1
MW1I2
MW2IR
MW39I
MW5IR
'Class I ILGWQS

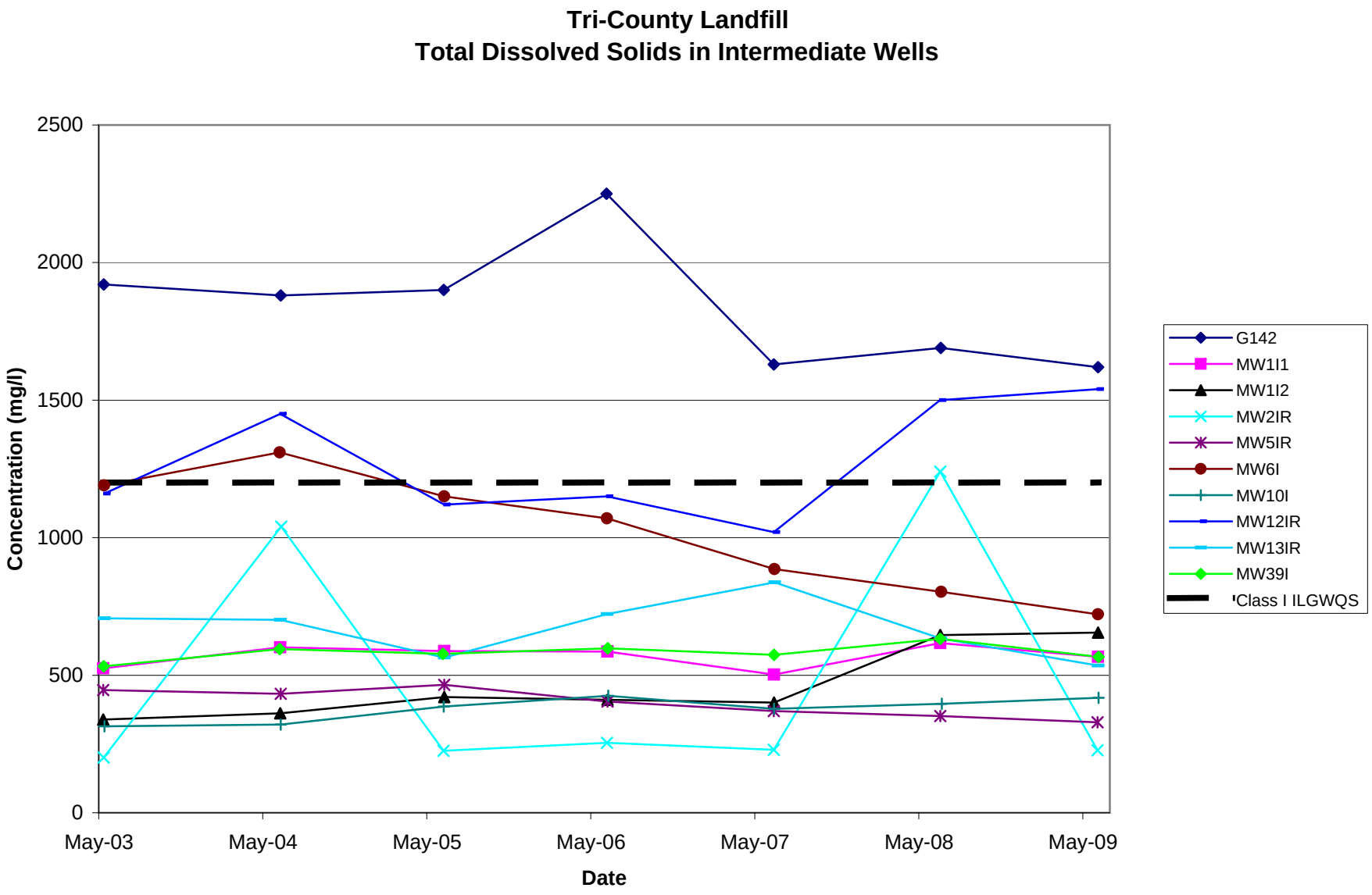

Tri-County Landfill
Chloride in Deep Wells
Concentration (mg/l)
1000
900
800
700
600
500
400
300
200
100
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G112
MW1DR
MW40DR
Class I ILGWQS

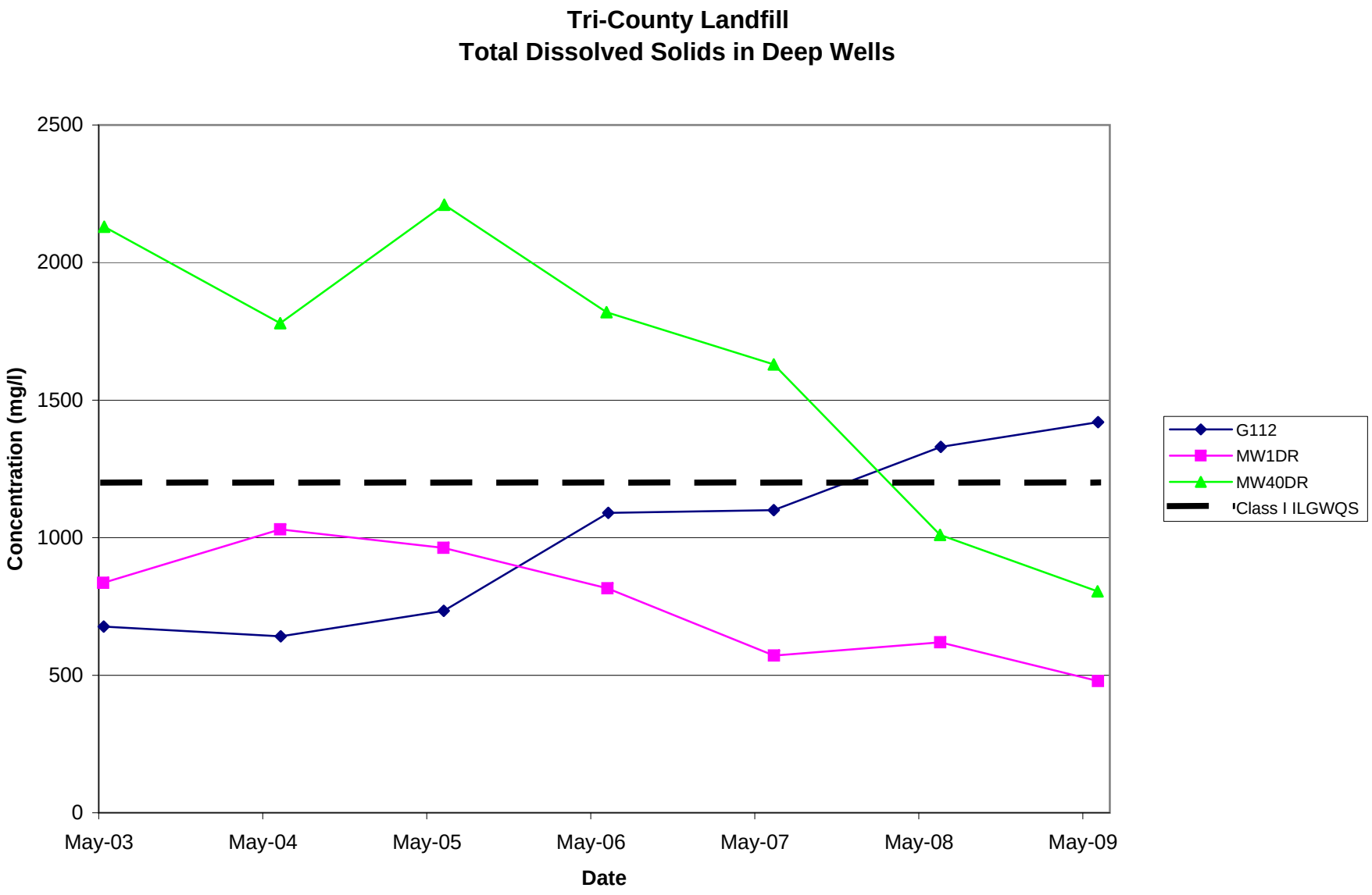

Elgin Landfill
Chloride in Shallow Wells
Concentration (mg/l)
700
600
500
400
300
200
100
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW20S
MW21S
MW24S
MW9S
Class I ILGWQS

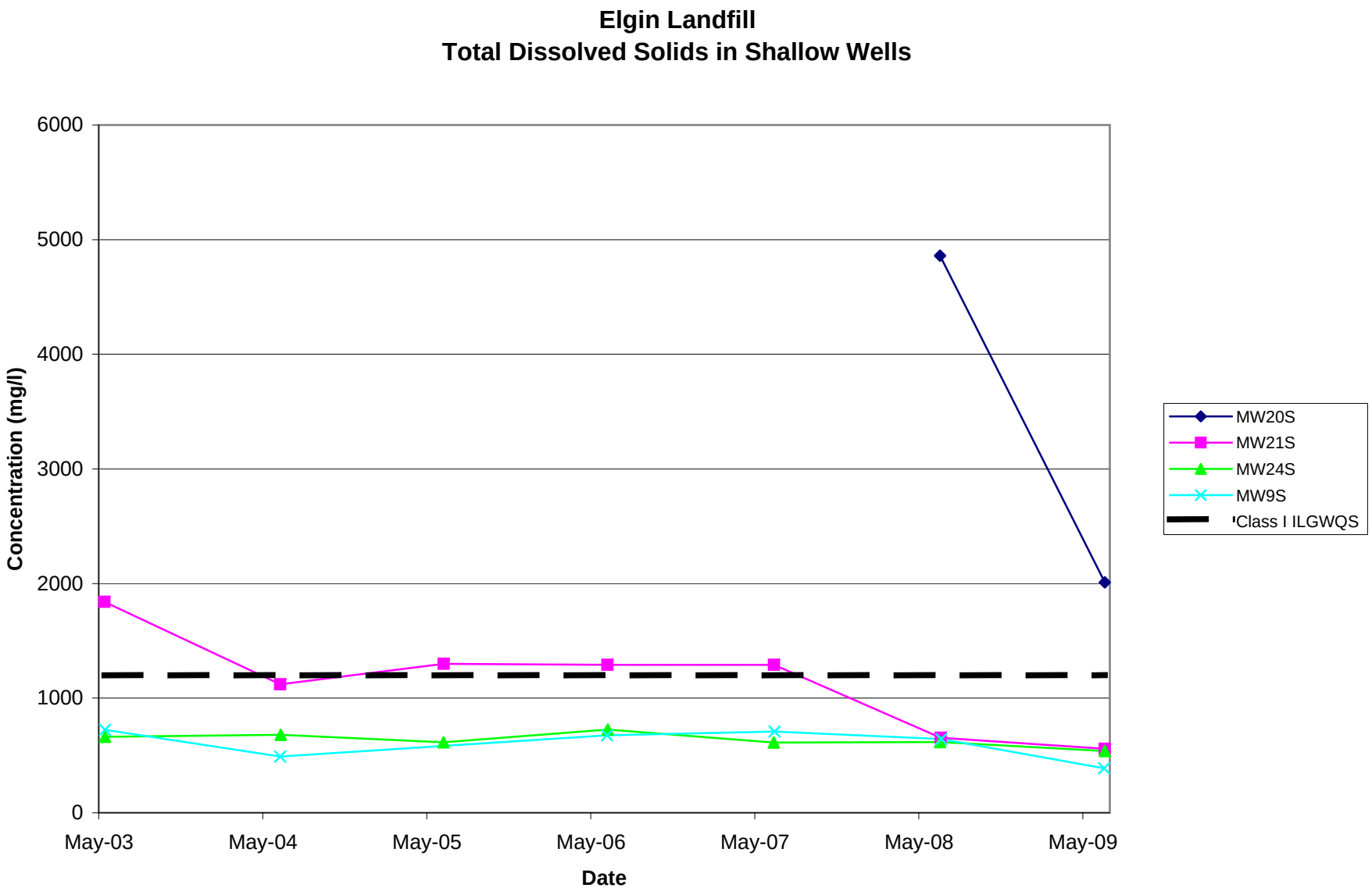

Elgin Landfill
Chloride in Intermediate Wells
Concentration (mg/l)
1500
1250
1000
750
500
250
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G141
MW22I
MW23I
MW36I
MW38I
MW9I
'Class I ILGWQS

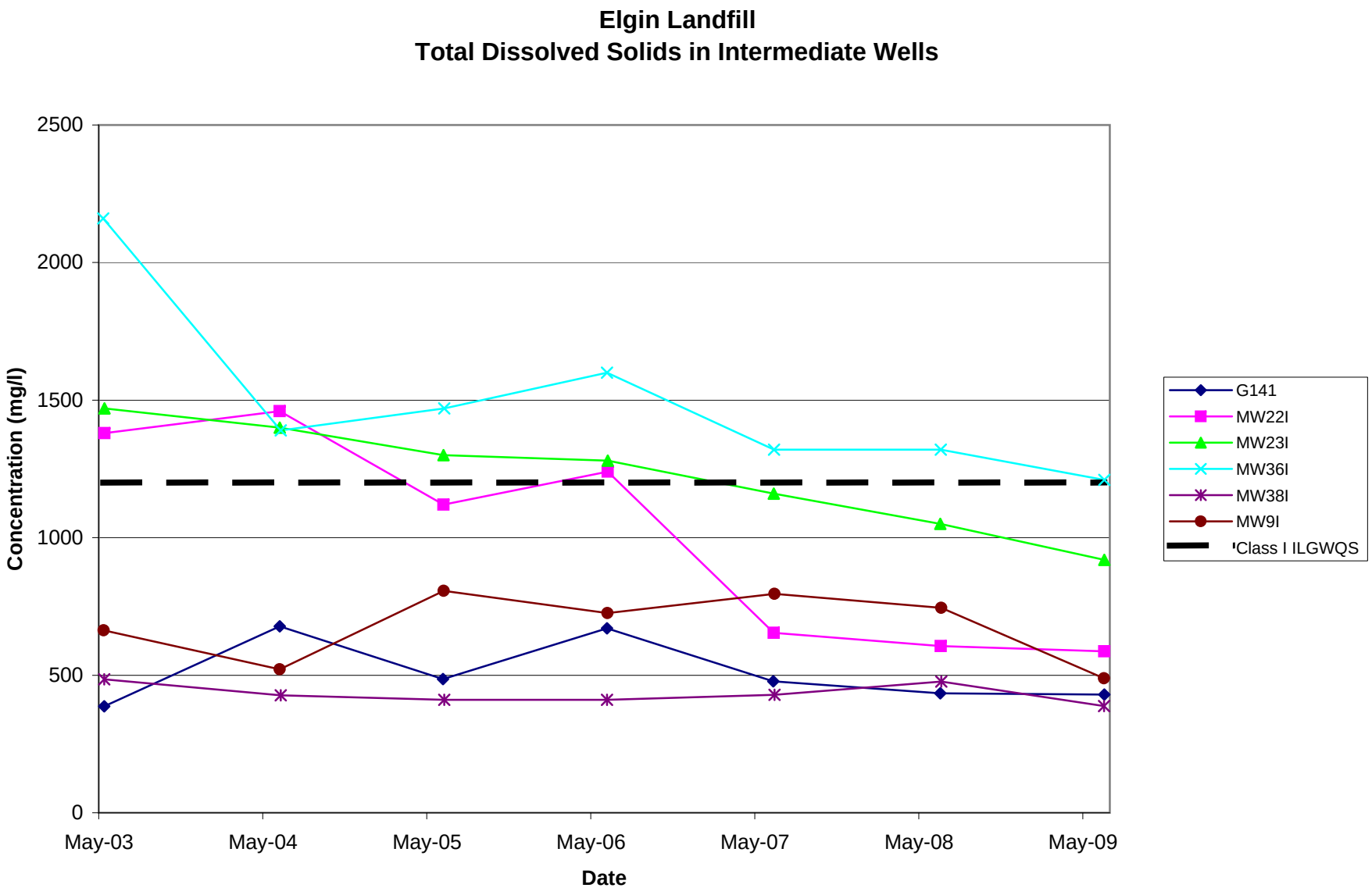

Elgin Landfill
Chloride in Deep Wells
600
500
400
300
200
100
0
Concentration (mg/l)
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G111
MW36D
MW38D
Class I ILGWQS

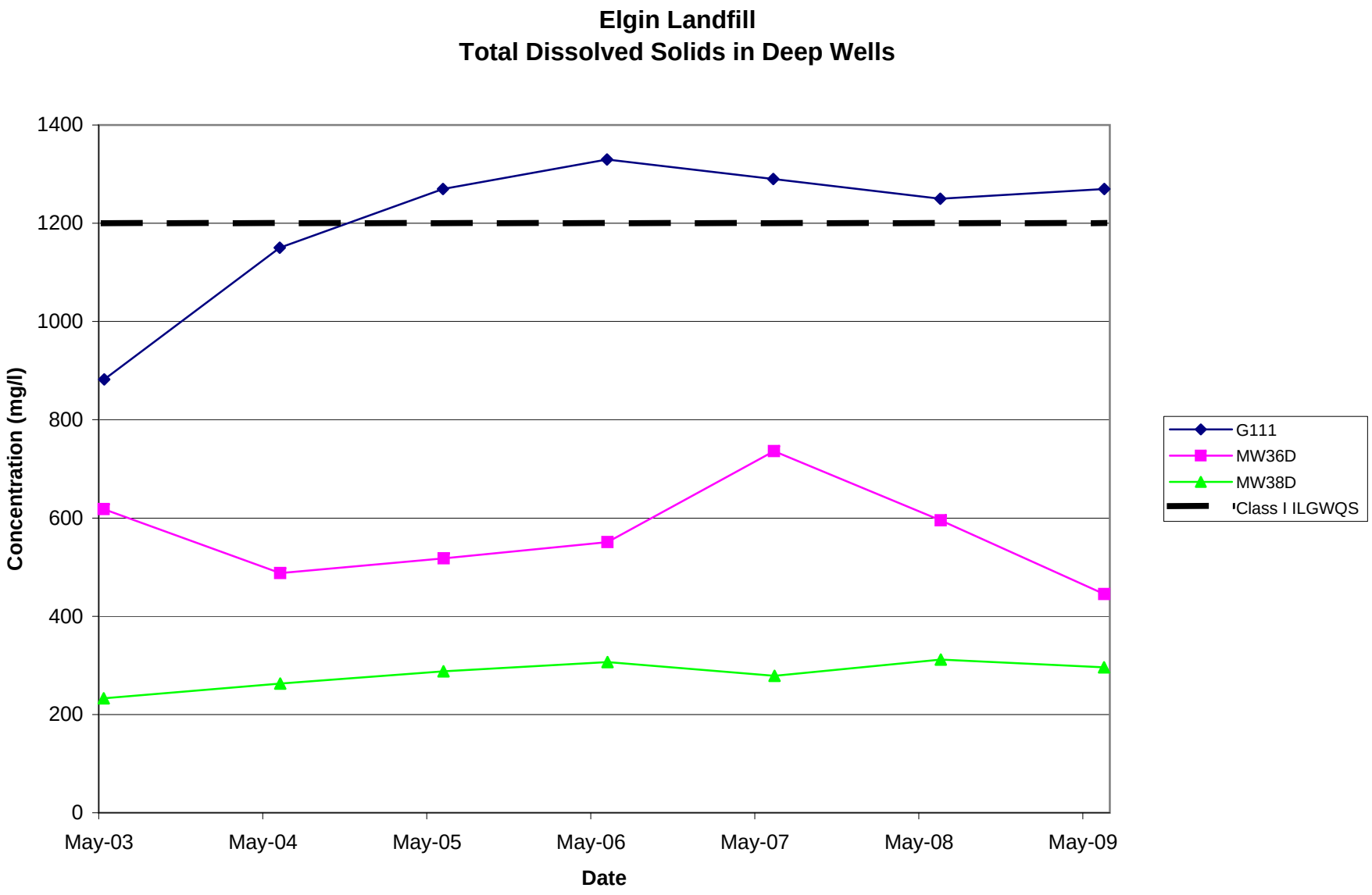

Tri-County Landfill
Total Dissolved Solids in Shallow Wells
Concentration (mg/l)
2500
2000
1500
1000
500
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G135
MW1S
MW2SR
MW5SR
MW6S
MW10S
MW12SR
MW25S
MW38S
MW39S
MW41S
'Class I ILGWQS

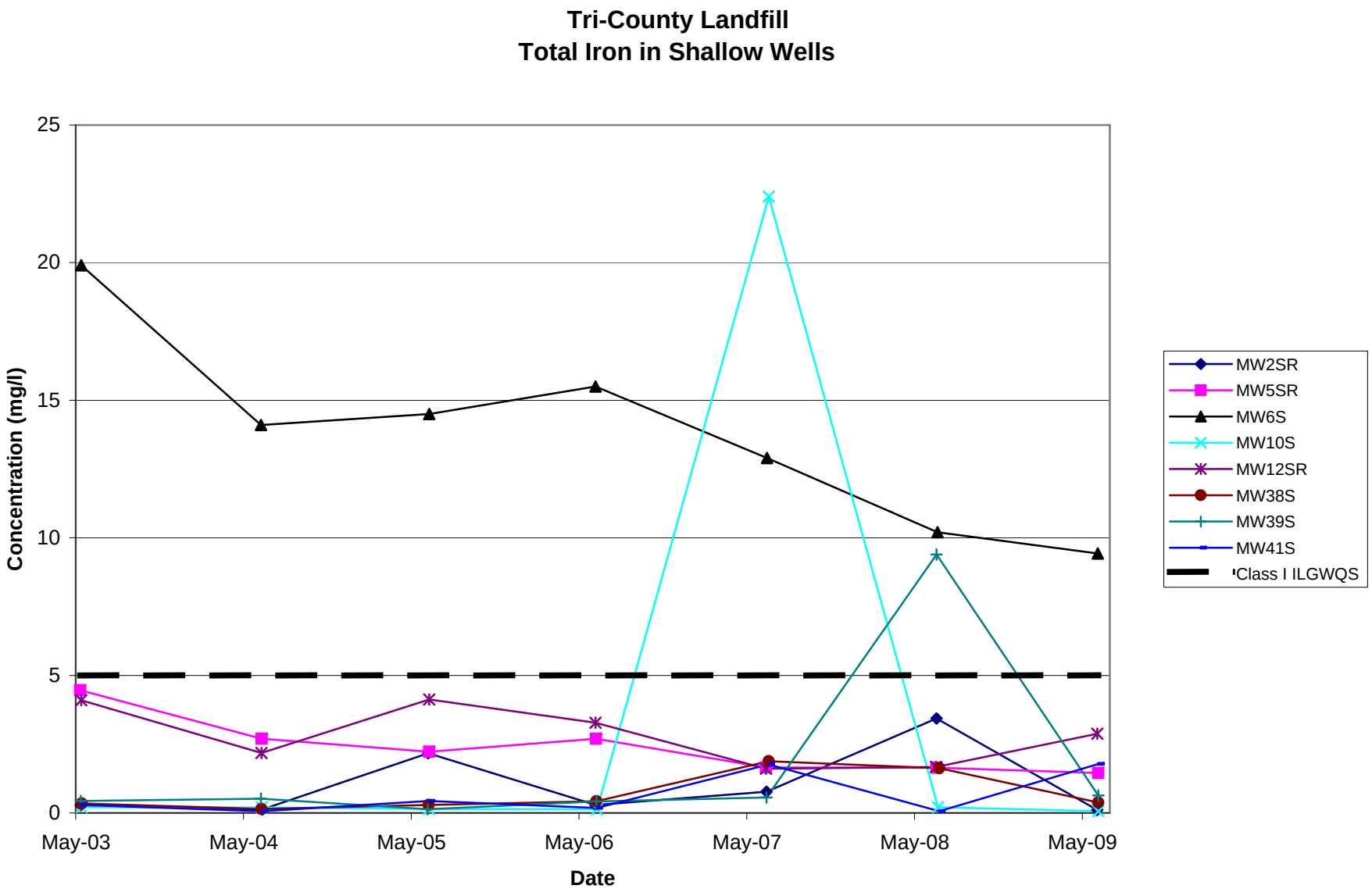

Tri-County Landfill
Total Dissolved Solids in Intermediate Wells
Concentration (mg/l)
2500
2000
1500
1000
500
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G142
MW1I1
MW1I2
MW2IR
MW5IR
MW6I
MW10I
MW12IR
MW13IR
MW39I
'Class I ILGWQS

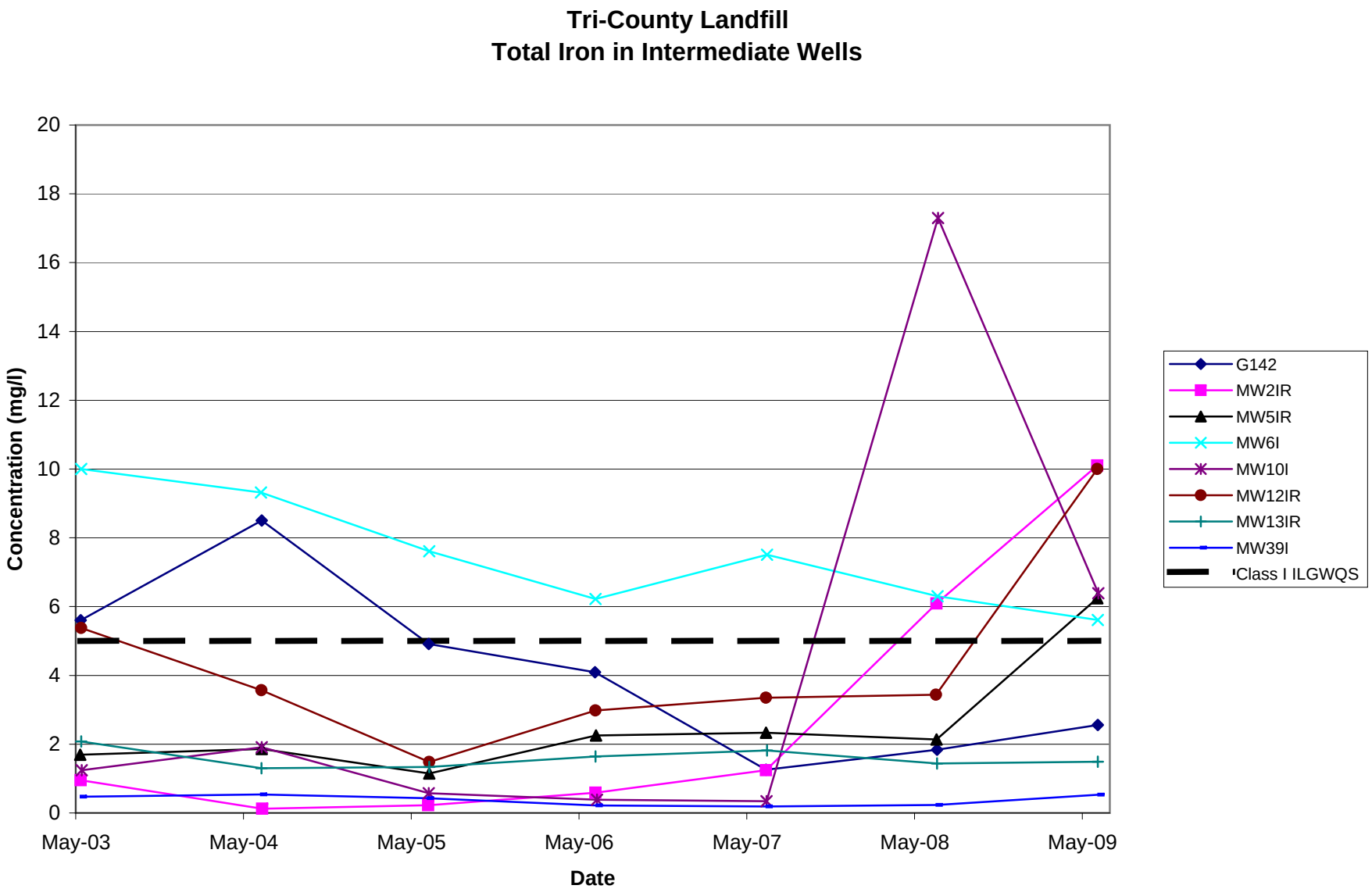

Tri-County Landfill
Total Dissolved Solids in Deep Wells
Concentration (mg/l)
2500
2000
1500
1000
500
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G112
MW1DR
MW40DR
Class I ILGWQS

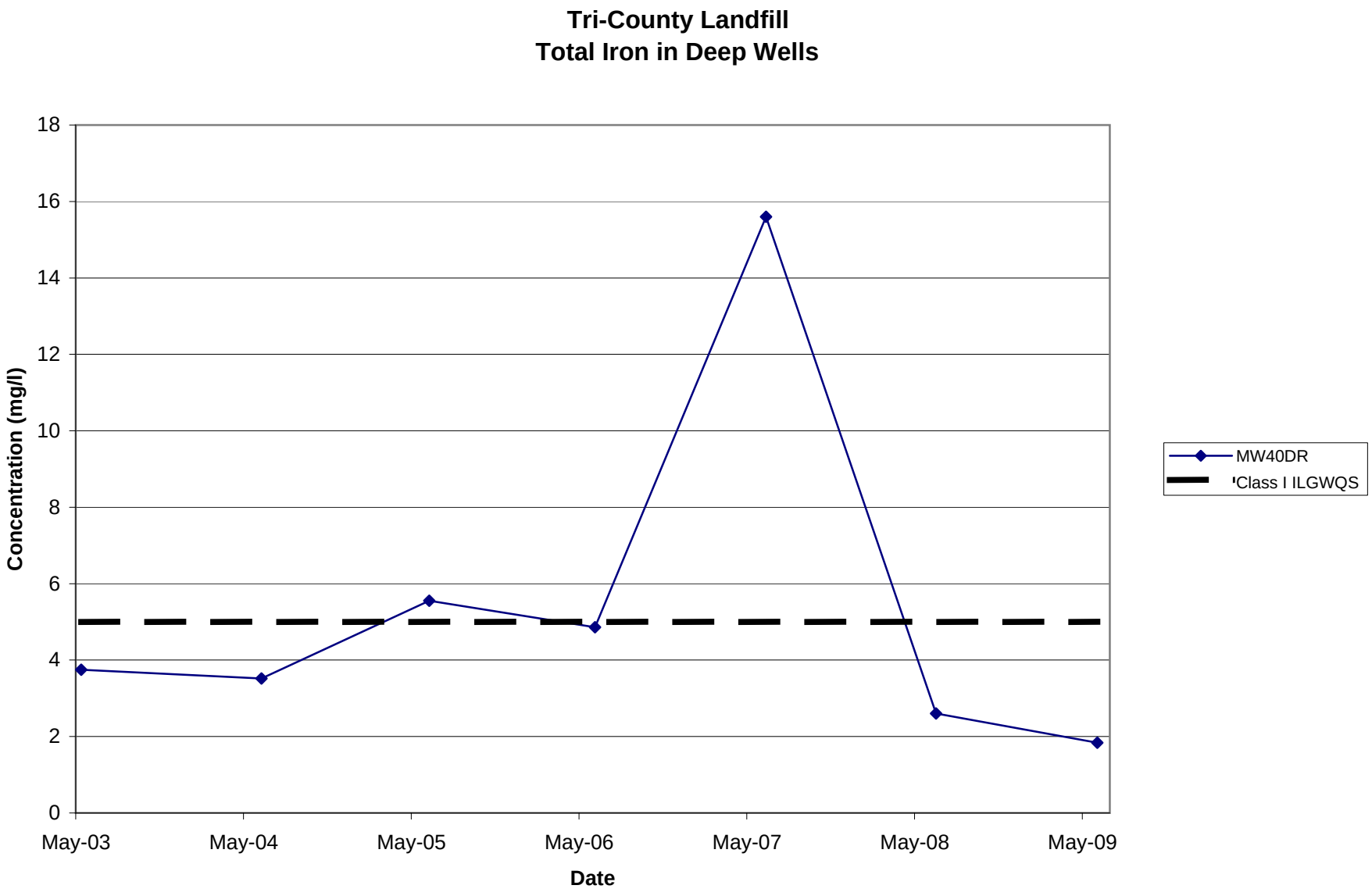

Elgin Landfill
Total Dissolved Solids in Shallow Wells
Concentration (mg/l)
6000
5000
4000
3000
2000
1000
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW20S
MW21S
MW24S
MW9S
Class I ILGWQS

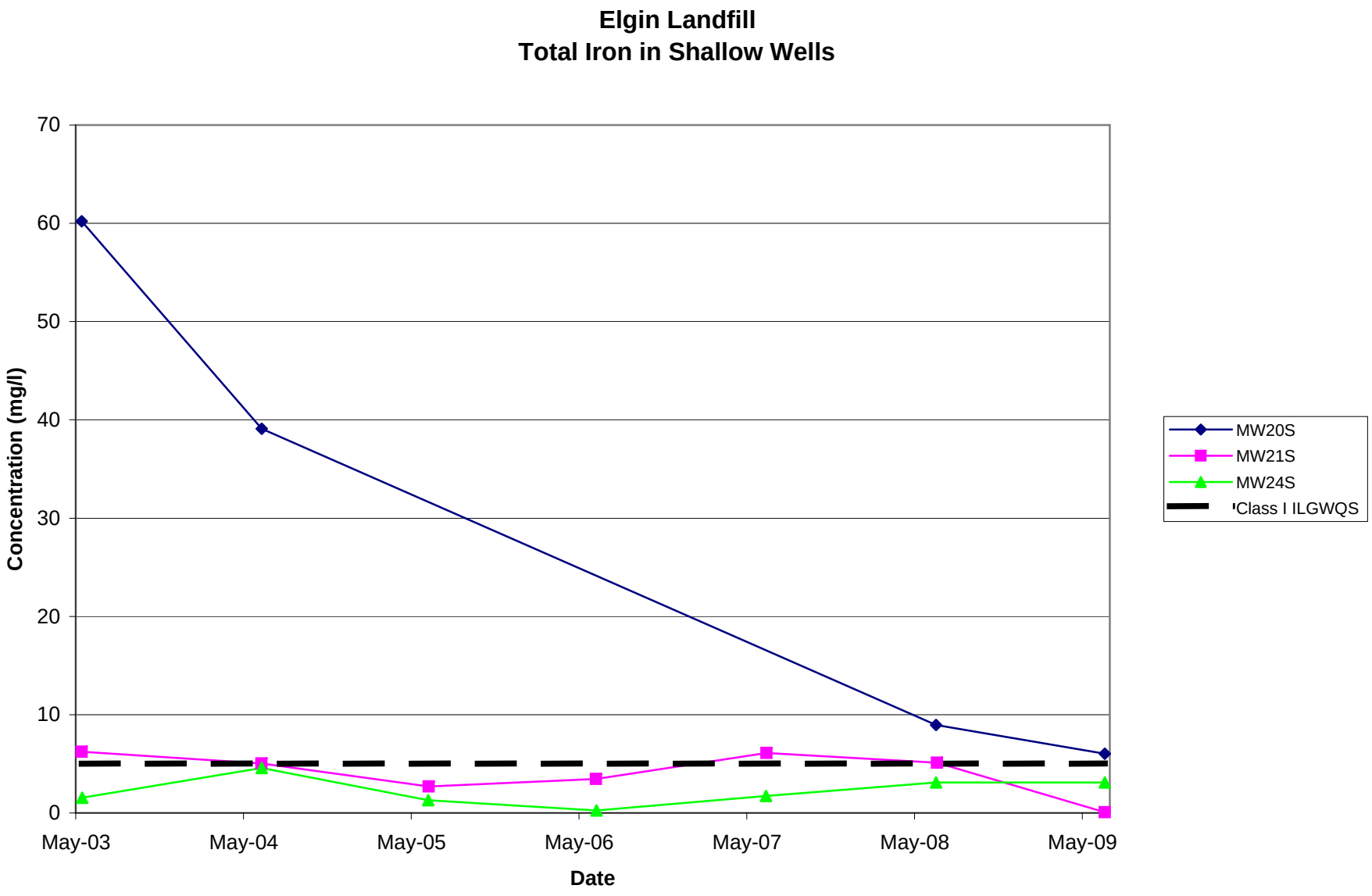

Elgin Landfill
Total Dissolved Solids in Intermediate Wells
Concentration (mg/l)
2500
2000
1500
1000
500
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G141
MW22I
MW23I
MW36I
MW38I
MW9I
'Class I ILGWQS

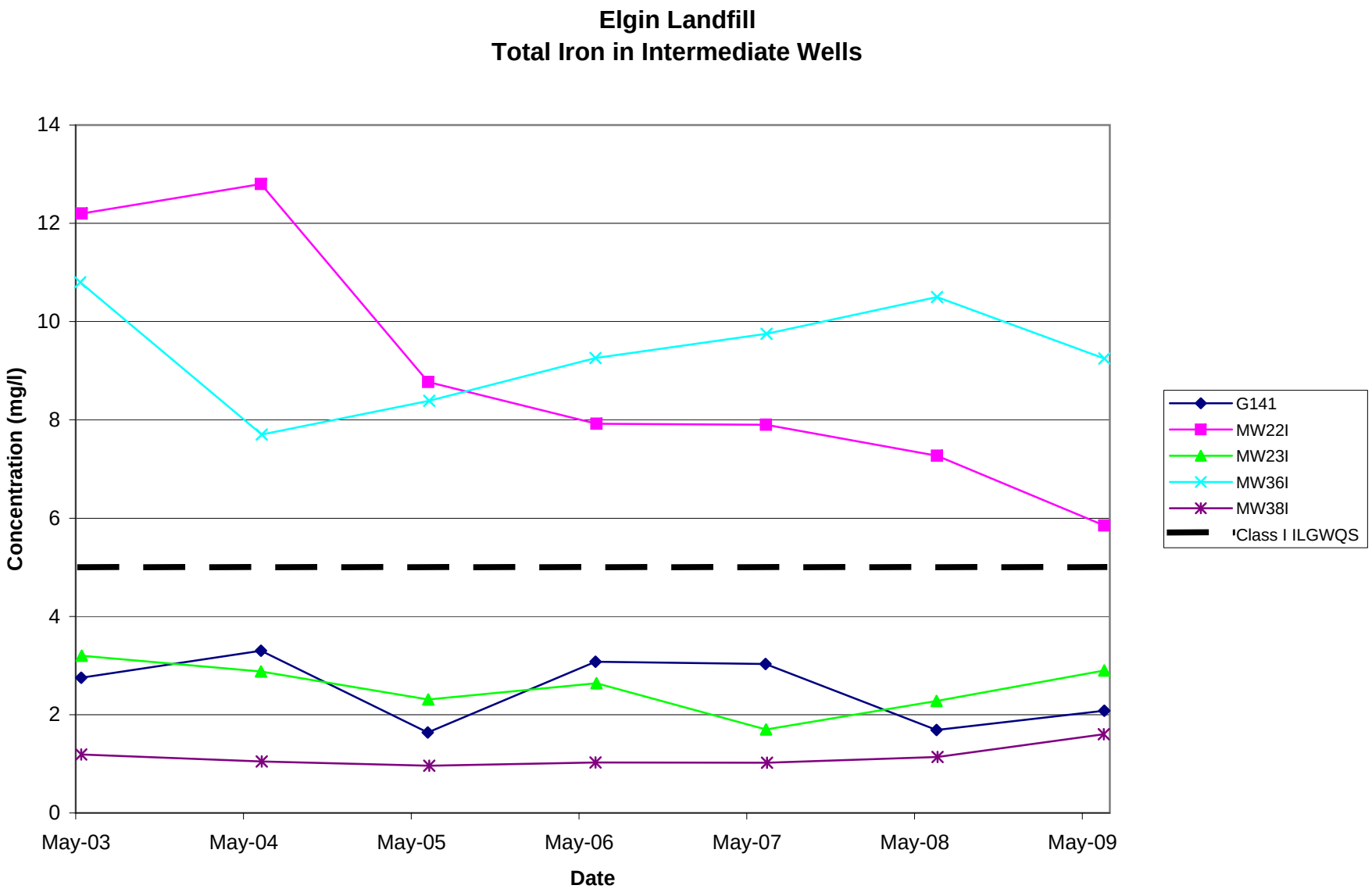

Elgin Landfill
Total Dissolved Solids in Deep Wells
Concentration (mg/l)
1400
1200
1000
800
600
400
200
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G111
MW36D
MW38D
Class I ILGWQS

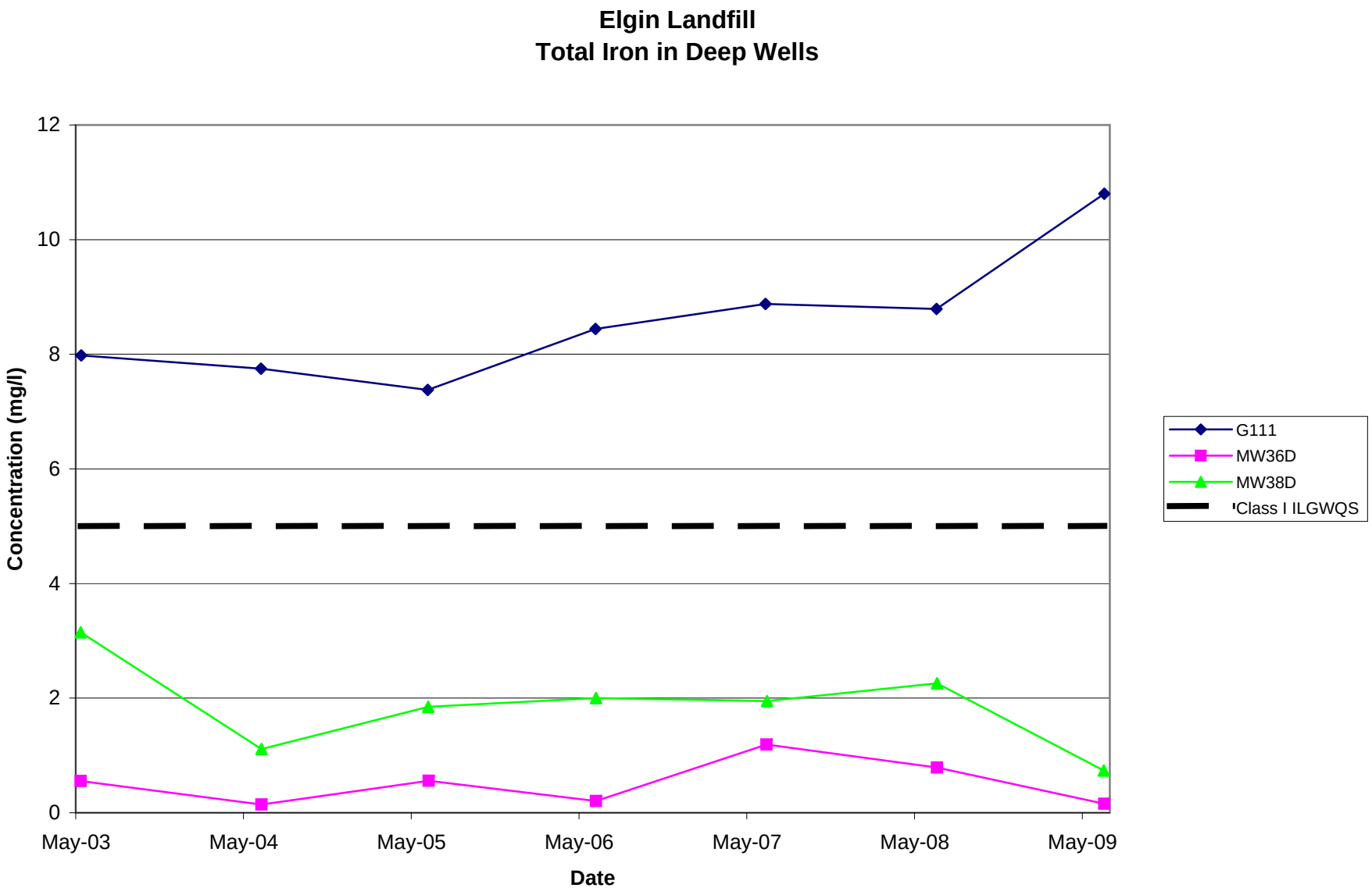

Tri-County Landfill
Total Iron in Shallow Wells
Concentration (mg/l)
25
20
15
10
5
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW2SR
MW5SR
MW6S
MW10S
MW12SR
MW38S
MW39S
MW41S
Class I ILGWQS

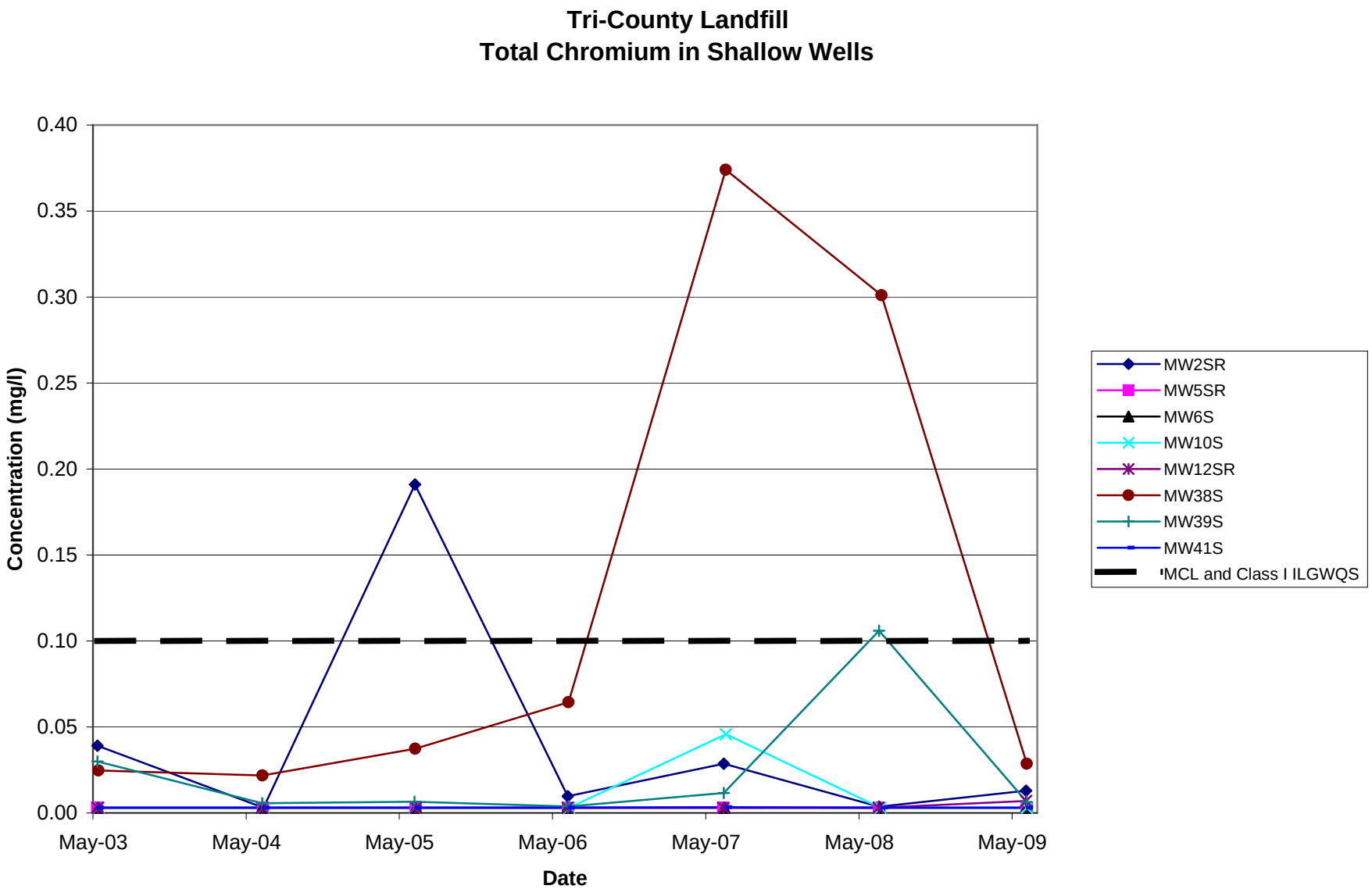

Tri-County Landfill
Total Iron in Intermediate Wells
Concentration (mg/l)
20
18
16
14
12
10
8
6
4
2
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G142
MW2IR
MW5IR
MW6I
MW10I
MW12IR
MW13IR
MW39I
Class I ILGWQS

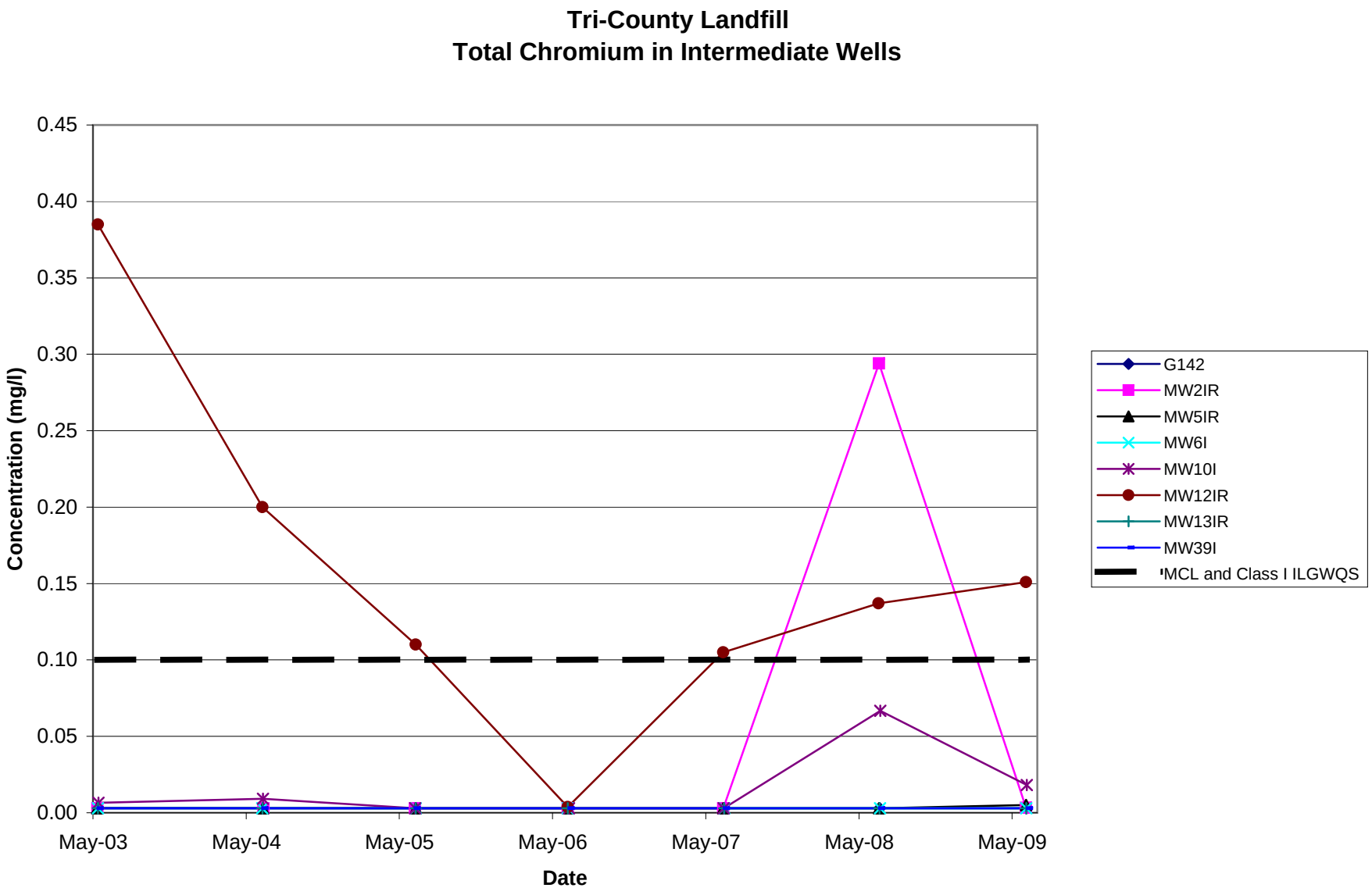

Tri-County Landfill
Total Iron in Deep Wells
Concentration (mg/l)
18
16
14
12
10
8
6
4
2
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW40DR
'Class I ILGWQS

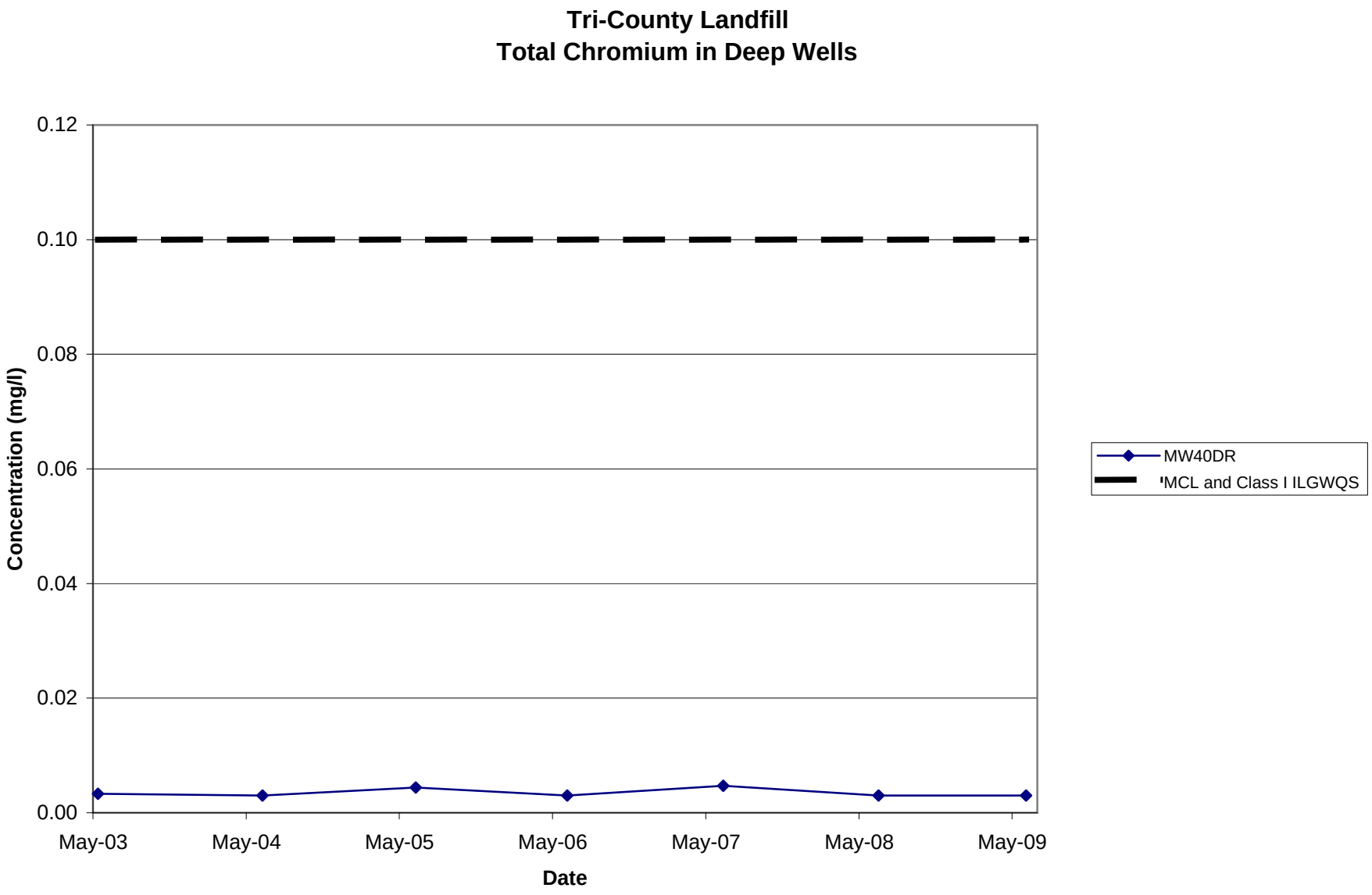

Elgin Landfill
Total Iron in Shallow Wells
Concentration (mg/l)
70
60
50
40
30
20
10
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW20S
MW21S
MW24S
Class I ILGWQS

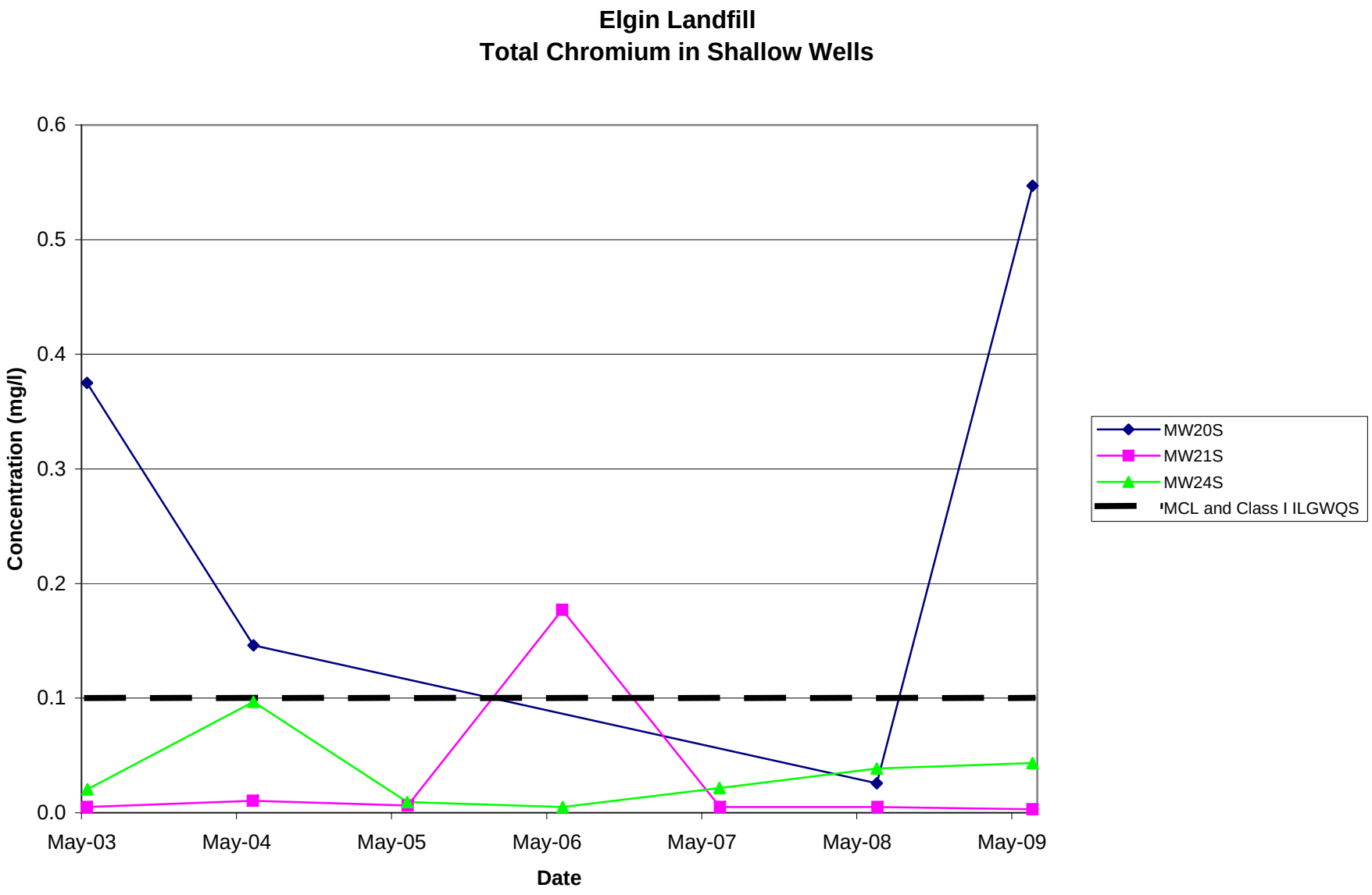

Elgin Landfill
Total Iron in Intermediate Wells
Concentration (mg/l)
14
12
10
8
6
4
2
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G141
MW22I
MW23I
MW36I
MW38I
'Class I ILGWQS

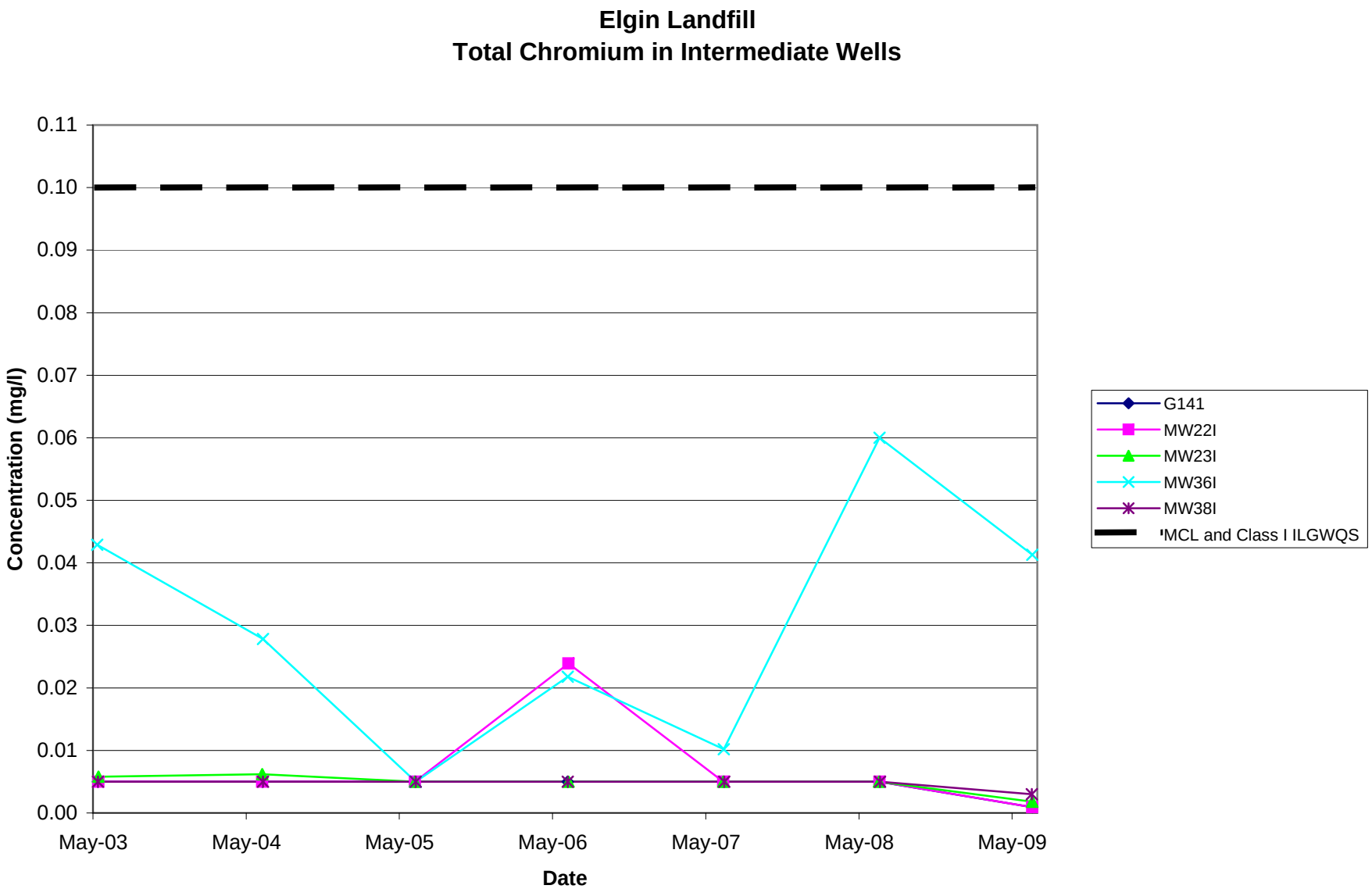

Elgin Landfill
Total Iron in Deep Wells
Concentration (mg/l)
12
10
8
6
4
2
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G111
MW36D
MW38D
Class I ILGWQS

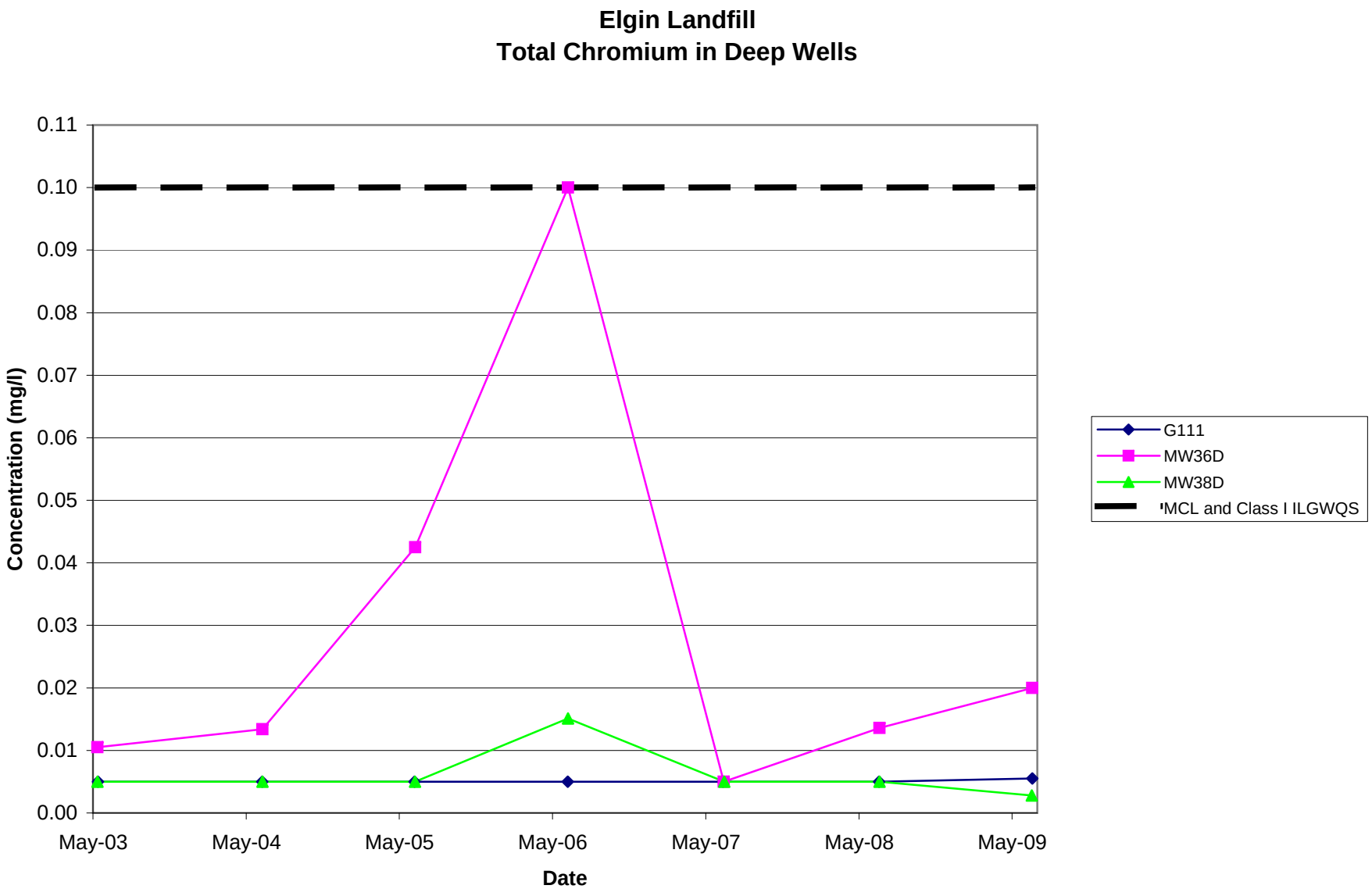

Tri-County Landfill
Total Chromium in Shallow Wells
Concentration (mg/l)
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW2SR
MW5SR
MW6S
MW10S
MW12SR
MW38S
MW39S
MW41S
MCL and Class I ILGWQS

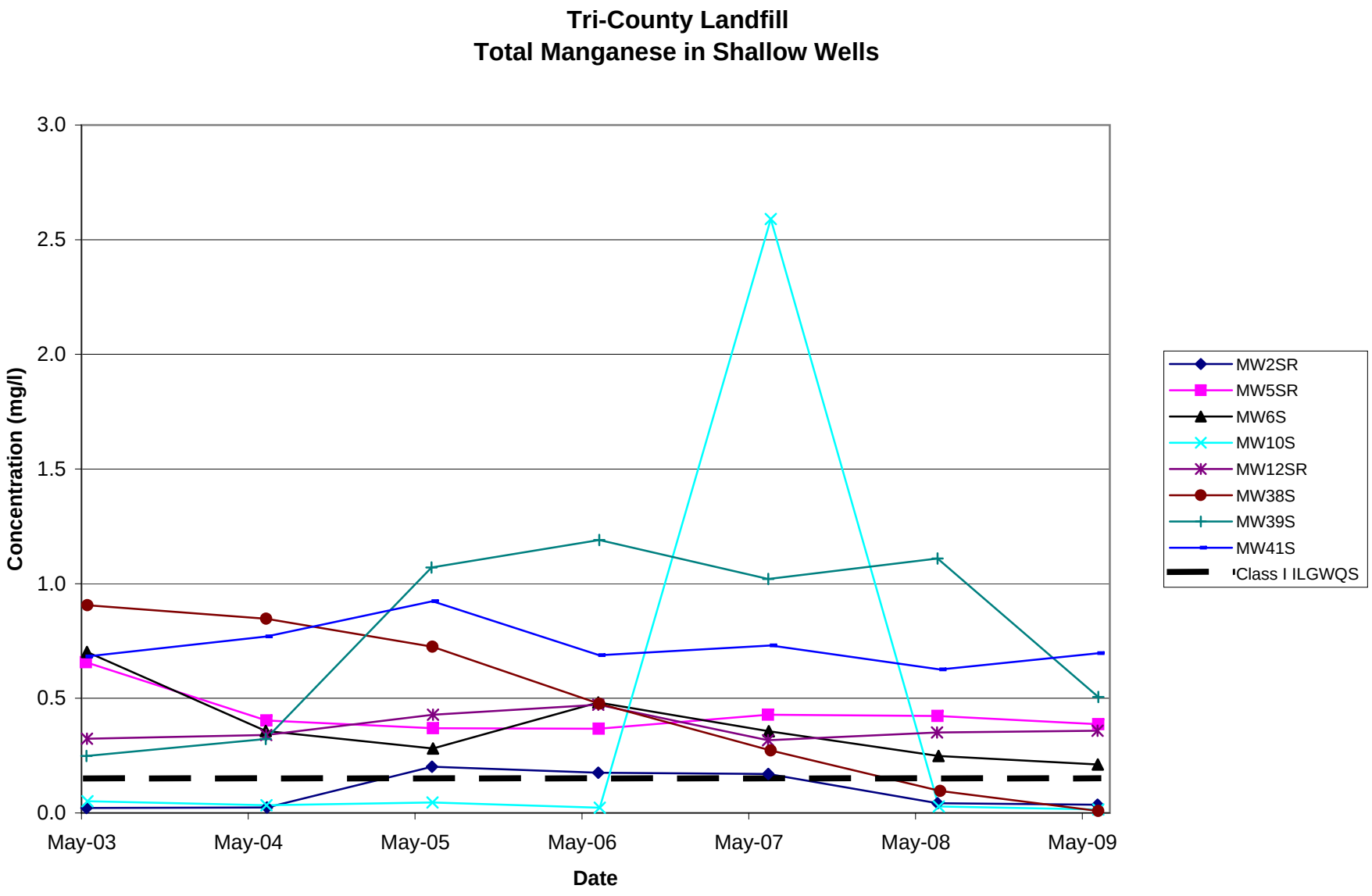

Tri-County Landfill
Total Chromium in Intermediate Wells
Concentration (mg/l)
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G142
MW2IR
MW5IR
MW6I
MW10I
MW12IR
MW13IR
MW39I
MCL and Class I ILGWQS

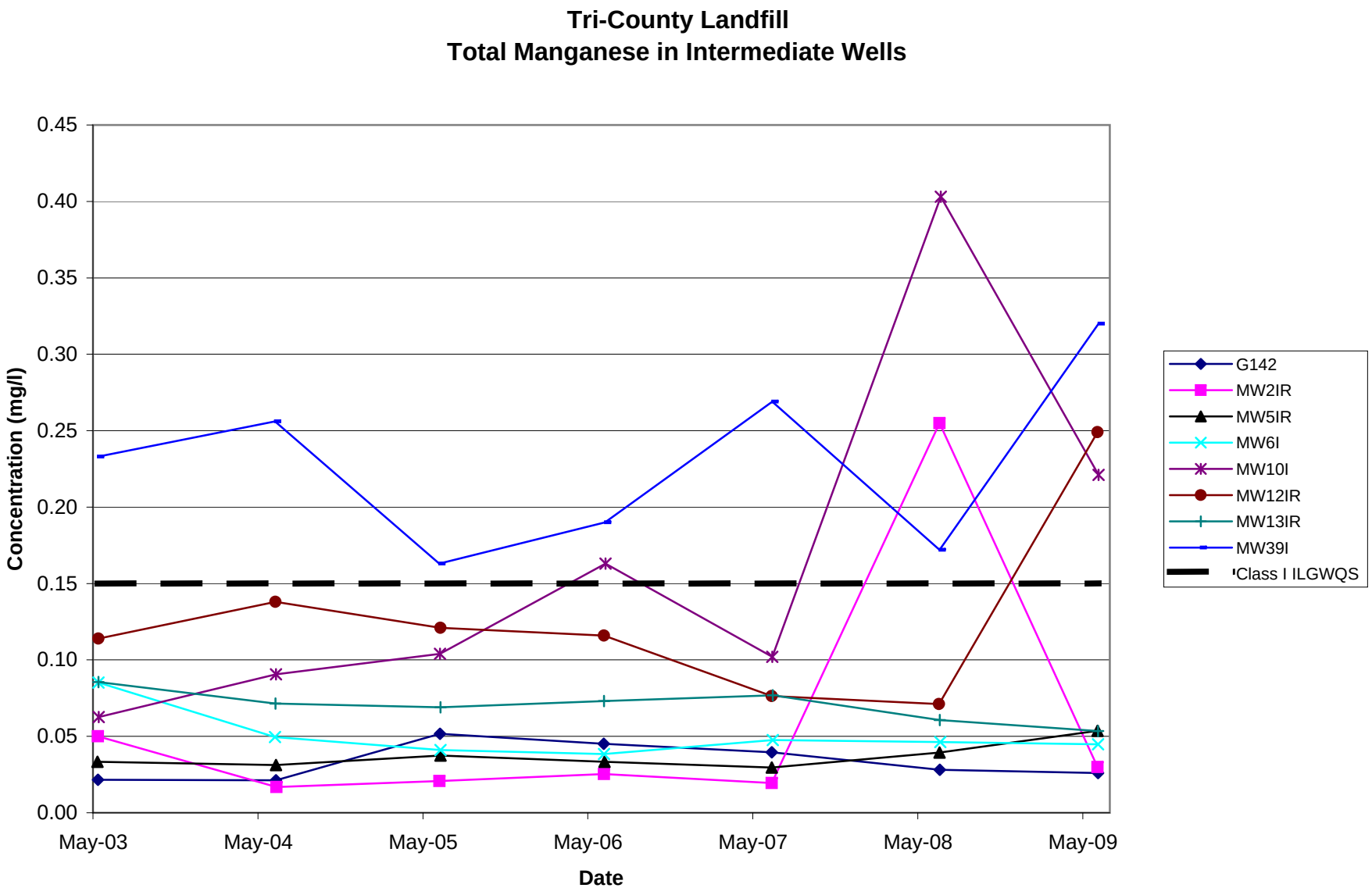

Tri-County Landfill
Total Chromium in Deep Wells
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Concentration (mg/l)
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW40DR
MCL and Class I ILGWQS

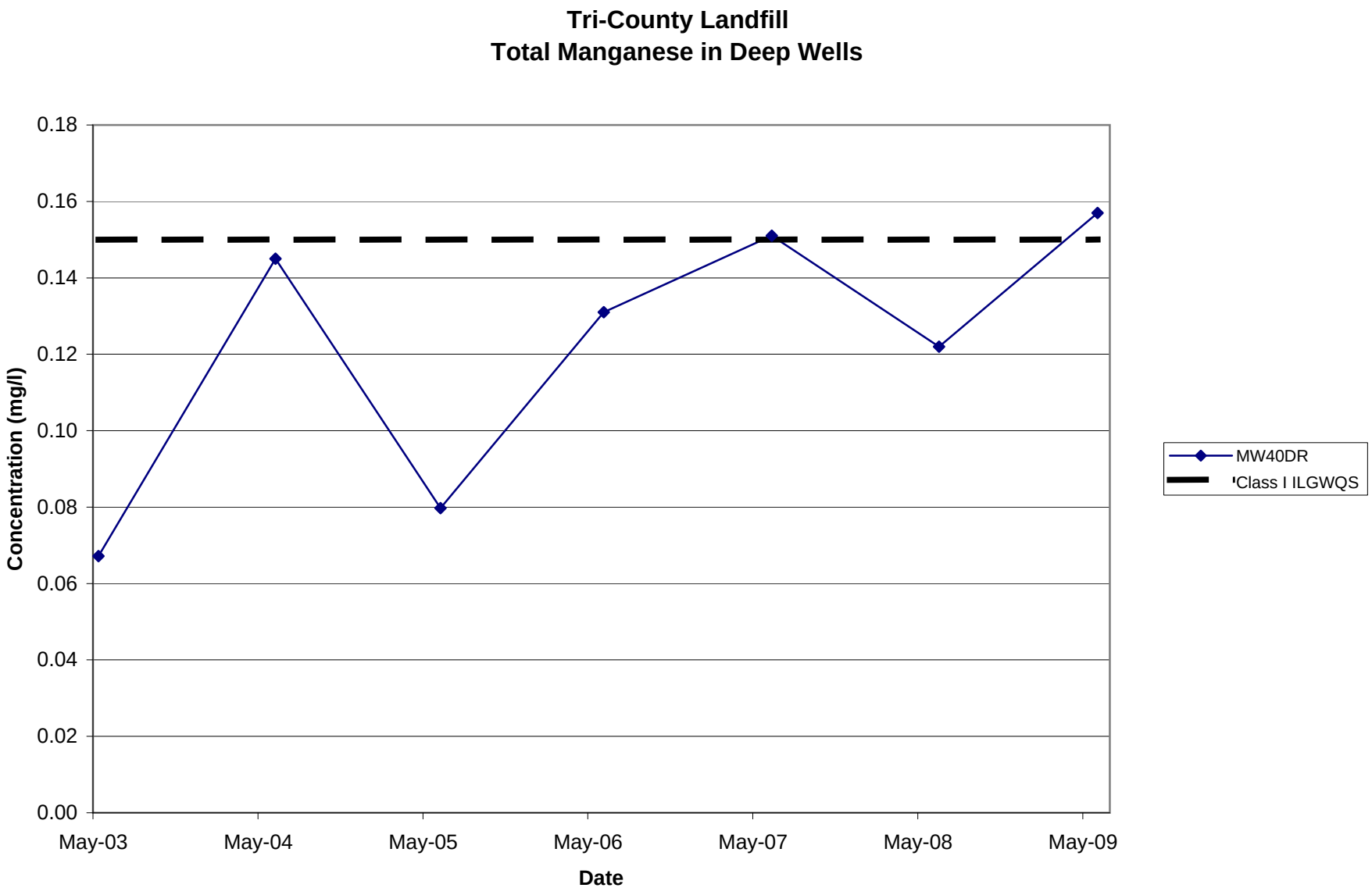

Elgin Landfill
Total Chromium in Shallow Wells
Concentration (mg/l)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW20S
MW21S
MW24S
MCL and Class I ILGWQS

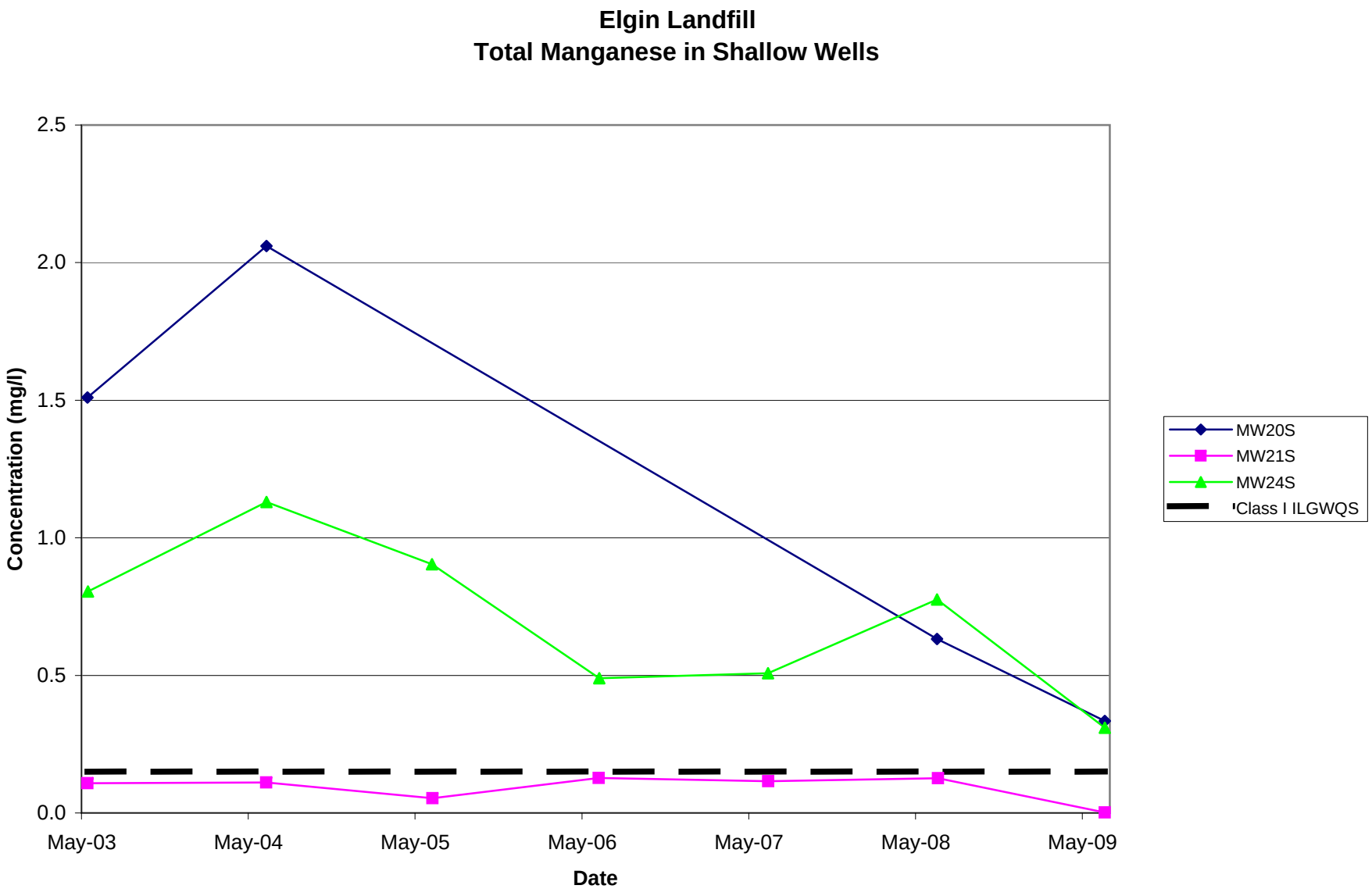

Elgin Landfill
Total Chromium in Intermediate Wells
Concentration (mg/l)
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G141
MW22I
MW23I
MW36I
MW38I
MCL and Class I ILGWQS

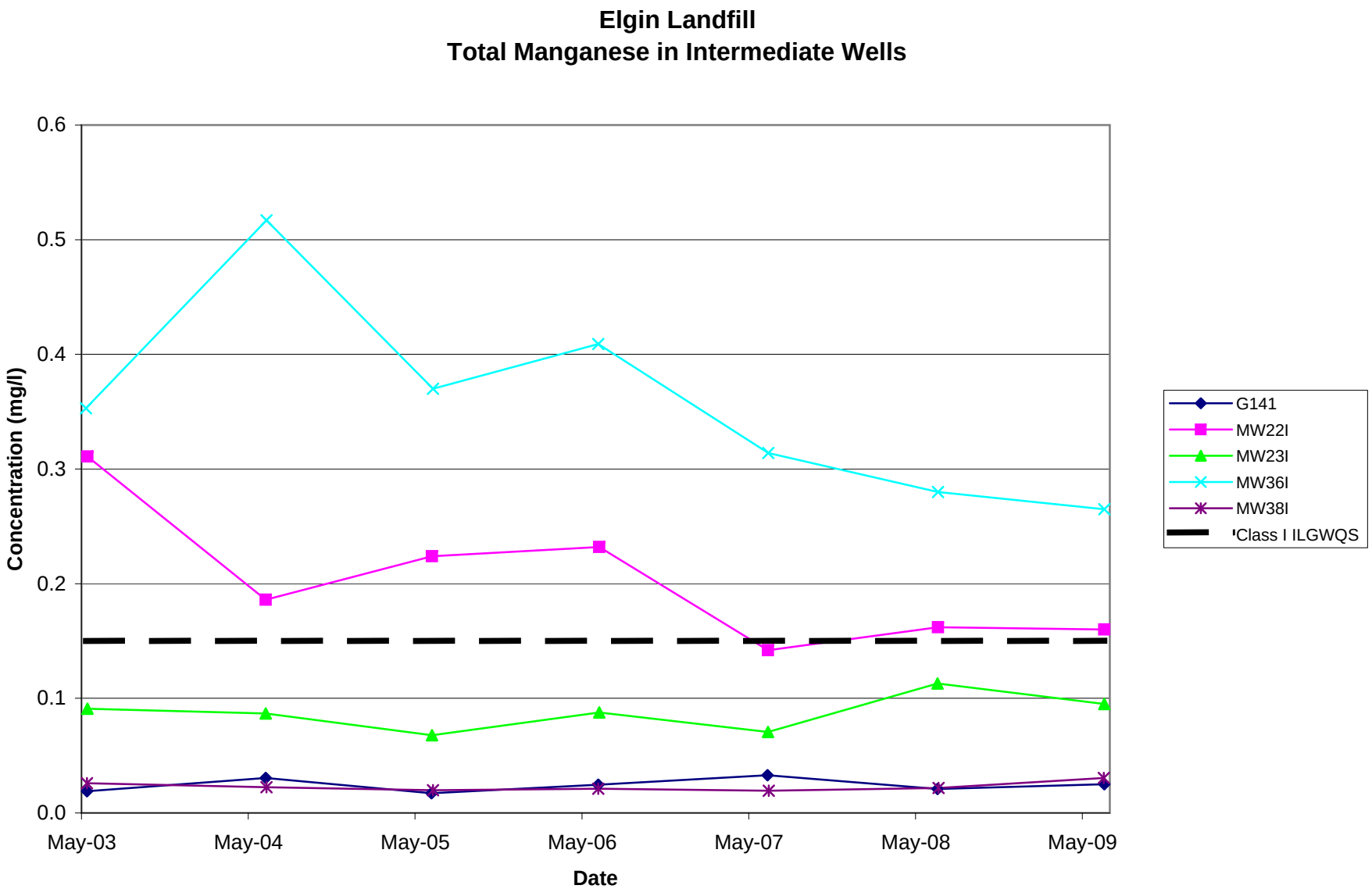

Elgin Landfill
Total Chromium in Deep Wells
Concentration (mg/l)
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G111
MW36D
MW38D
'MCL and Class I ILGWQS

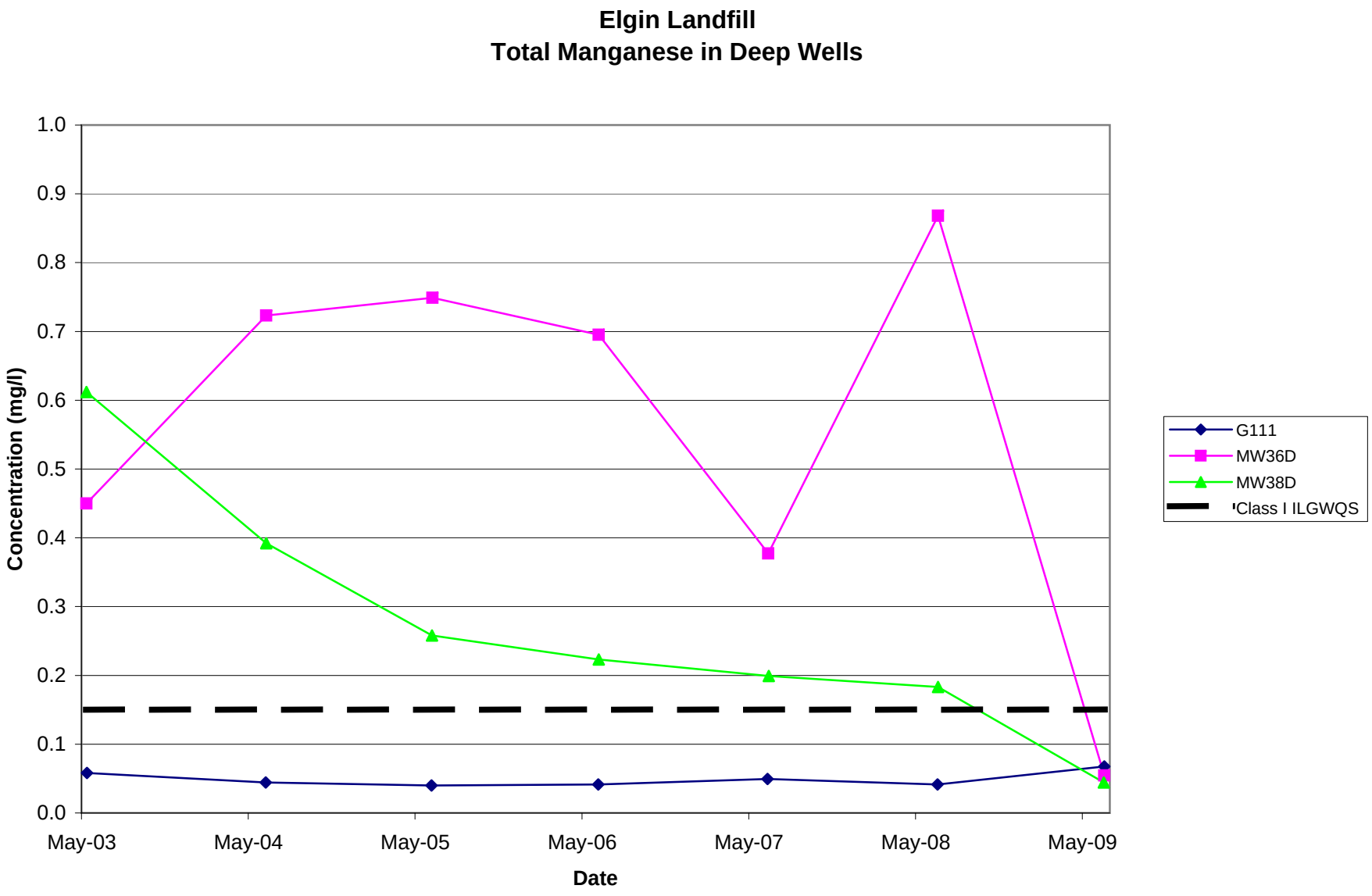

Tri-County Landfill
Total Manganese in Shallow Wells
Concentration (mg/l)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW2SR
MW5SR
MW6S
MW10S
MW12SR
MW38S
MW39S
MW41S
Class I ILGWQS

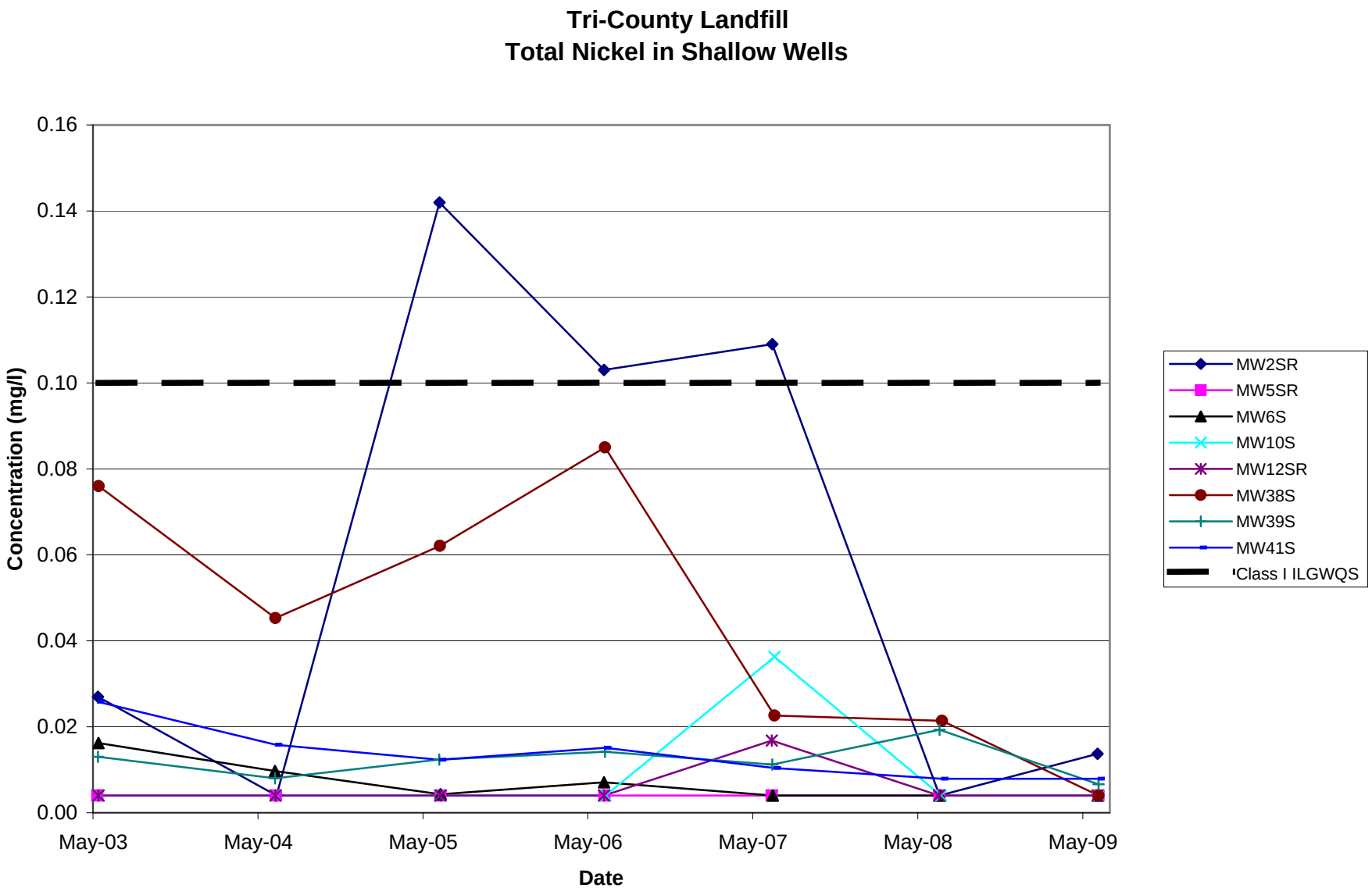

Tri-County Landfill
Total Manganese in Intermediate Wells
Concentration (mg/l)
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G142
MW2IR
MW5IR
MW6I
MW10I
MW12IR
MW13IR
MW39I
Class I ILGWQS

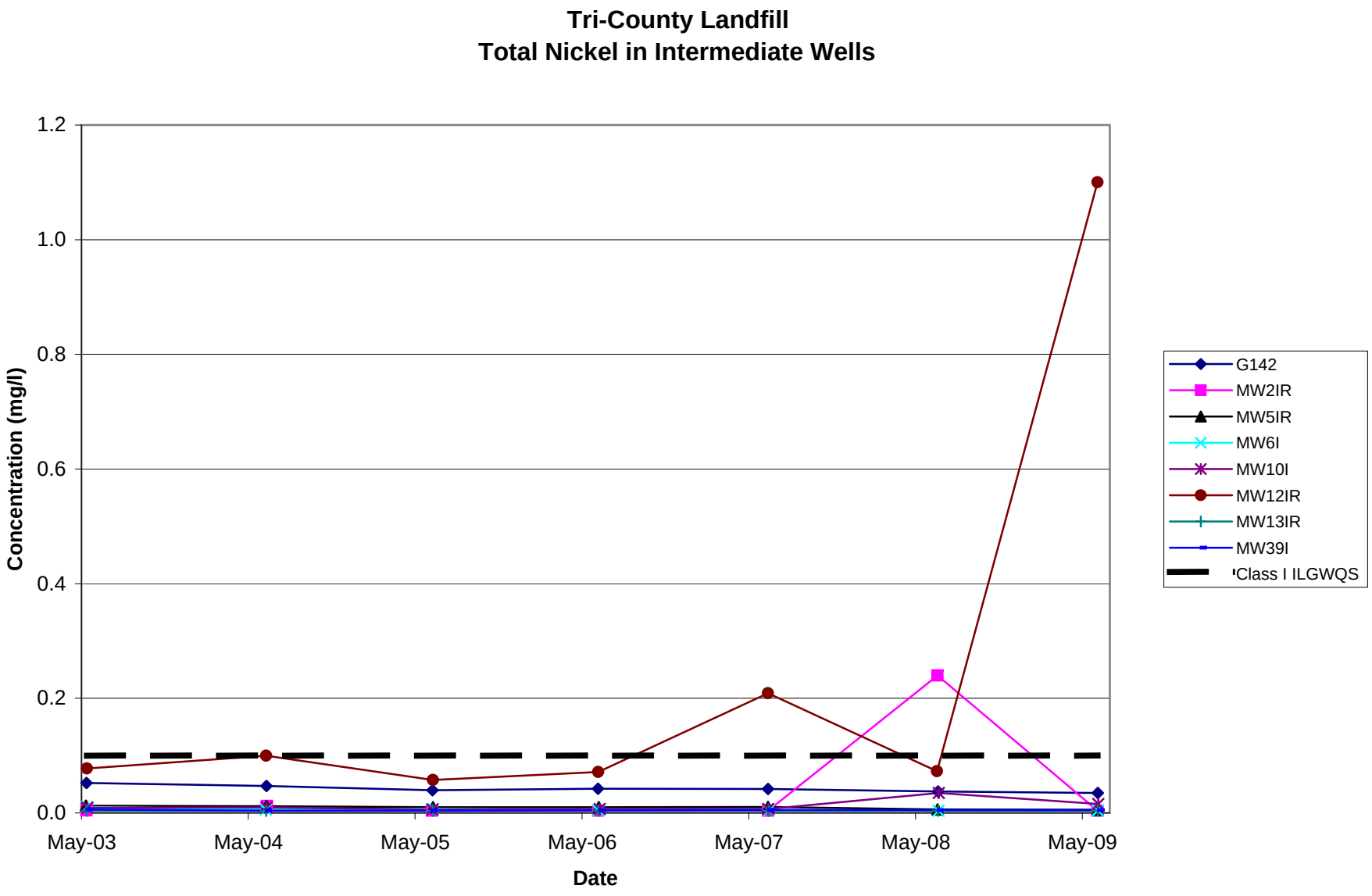

Tri-County Landfill
Total Manganese in Deep Wells
Concentration (mg/l)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW40DR
'Class I ILGWQS

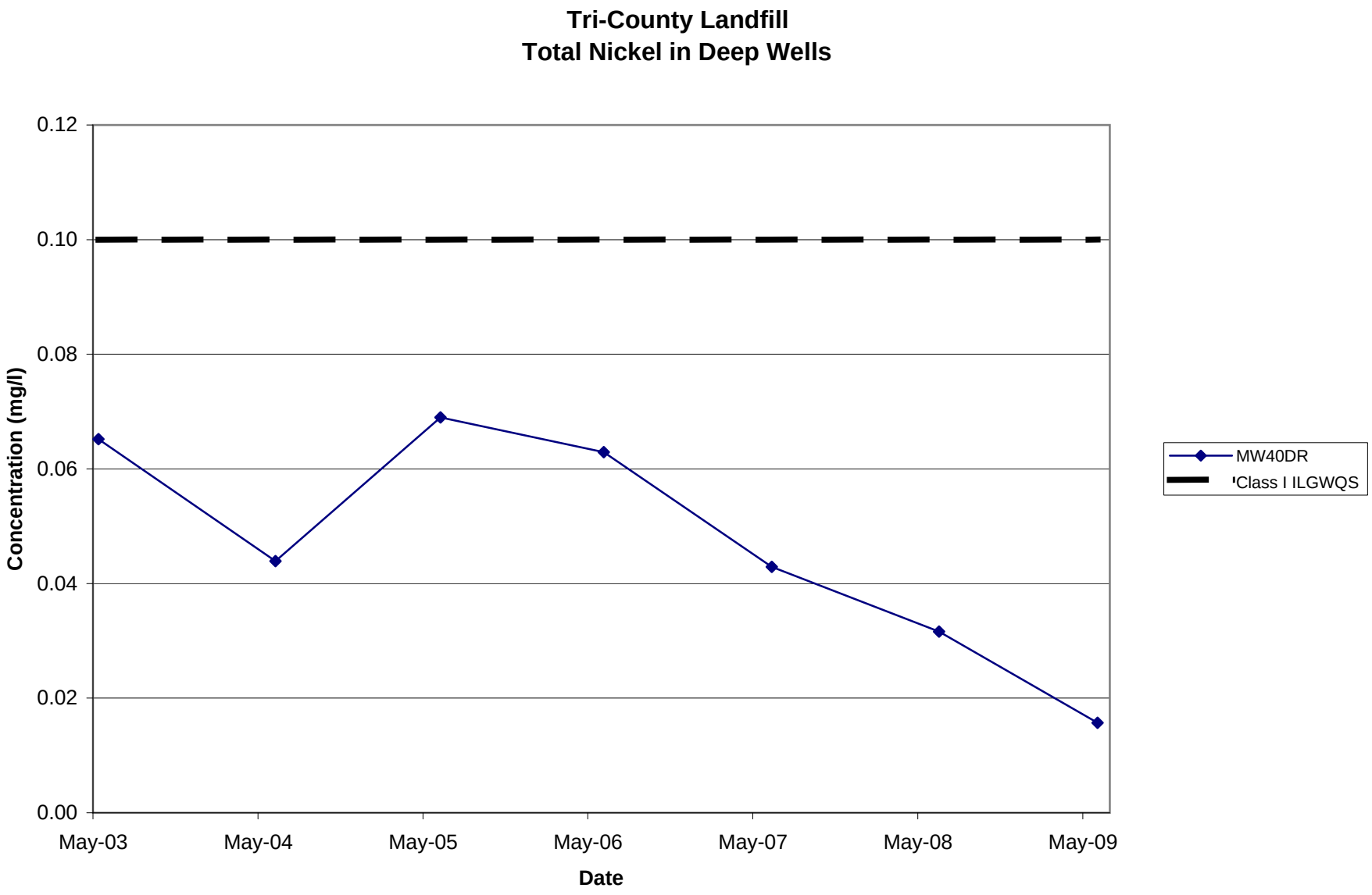

Elgin Landfill
Total Manganese in Shallow Wells
Concentration (mg/l)
2.5
2.0
1.5
1.0
0.5
0.0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW20S
MW21S
MW24S
Class I ILGWQS

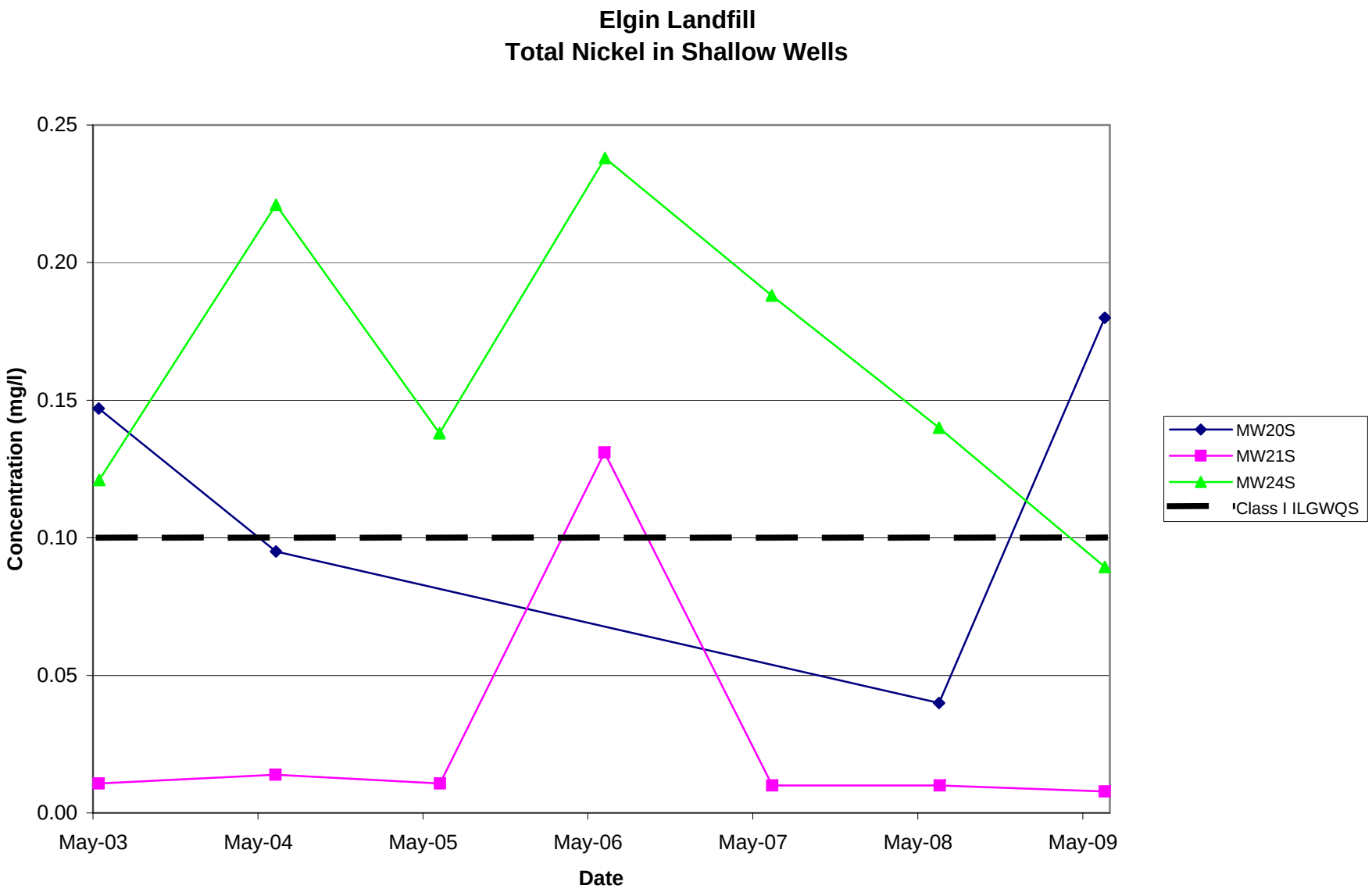

Elgin Landfill
Total Manganese in Intermediate Wells
Concentration (mg/l)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G141
MW22I
MW23I
MW36I
MW38I
'Class I ILGWQS

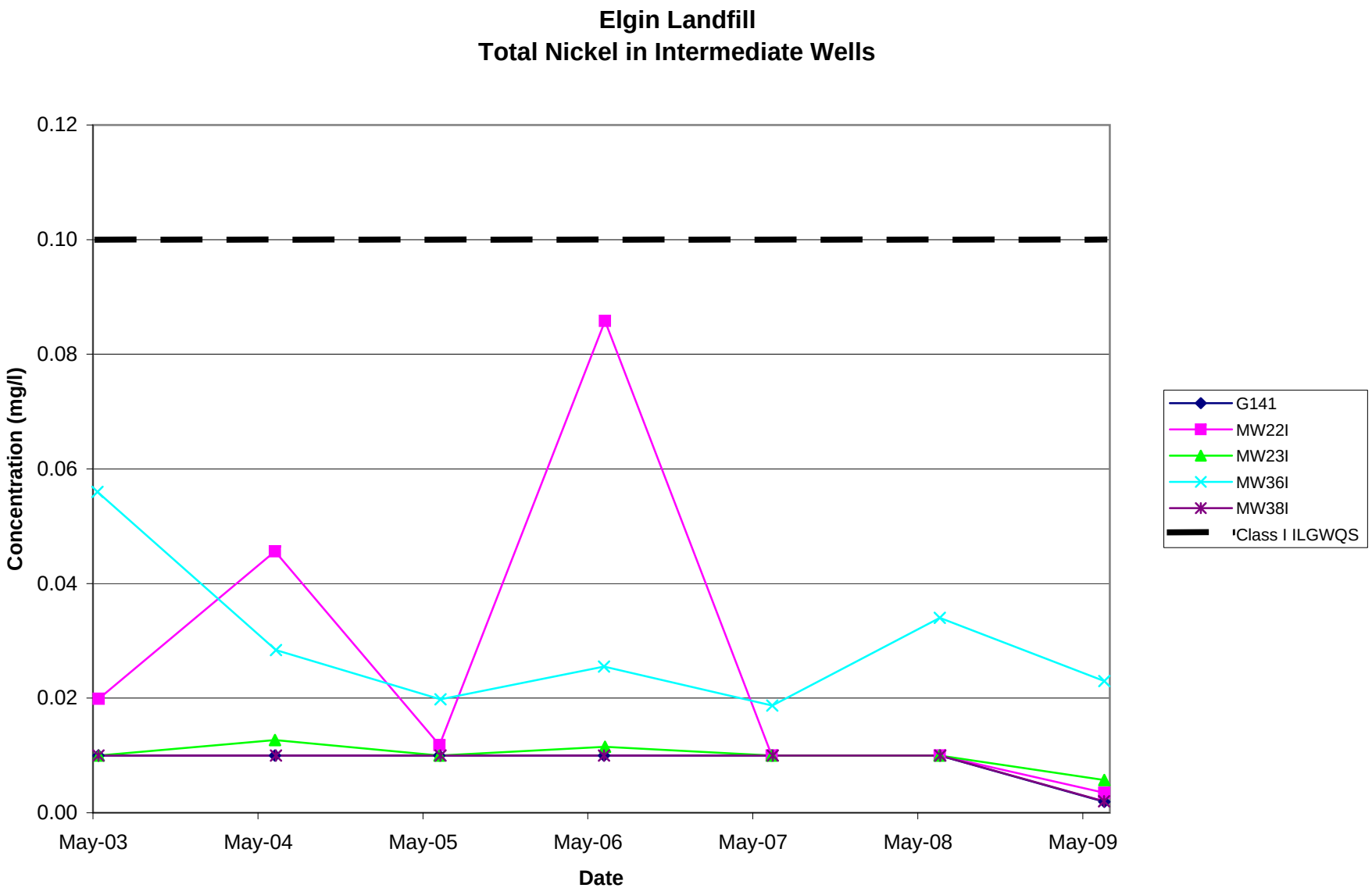

Elgin Landfill
Total Manganese in Deep Wells
Concentration (mg/l)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G111
MW36D
MW38D
Class I ILGWQS

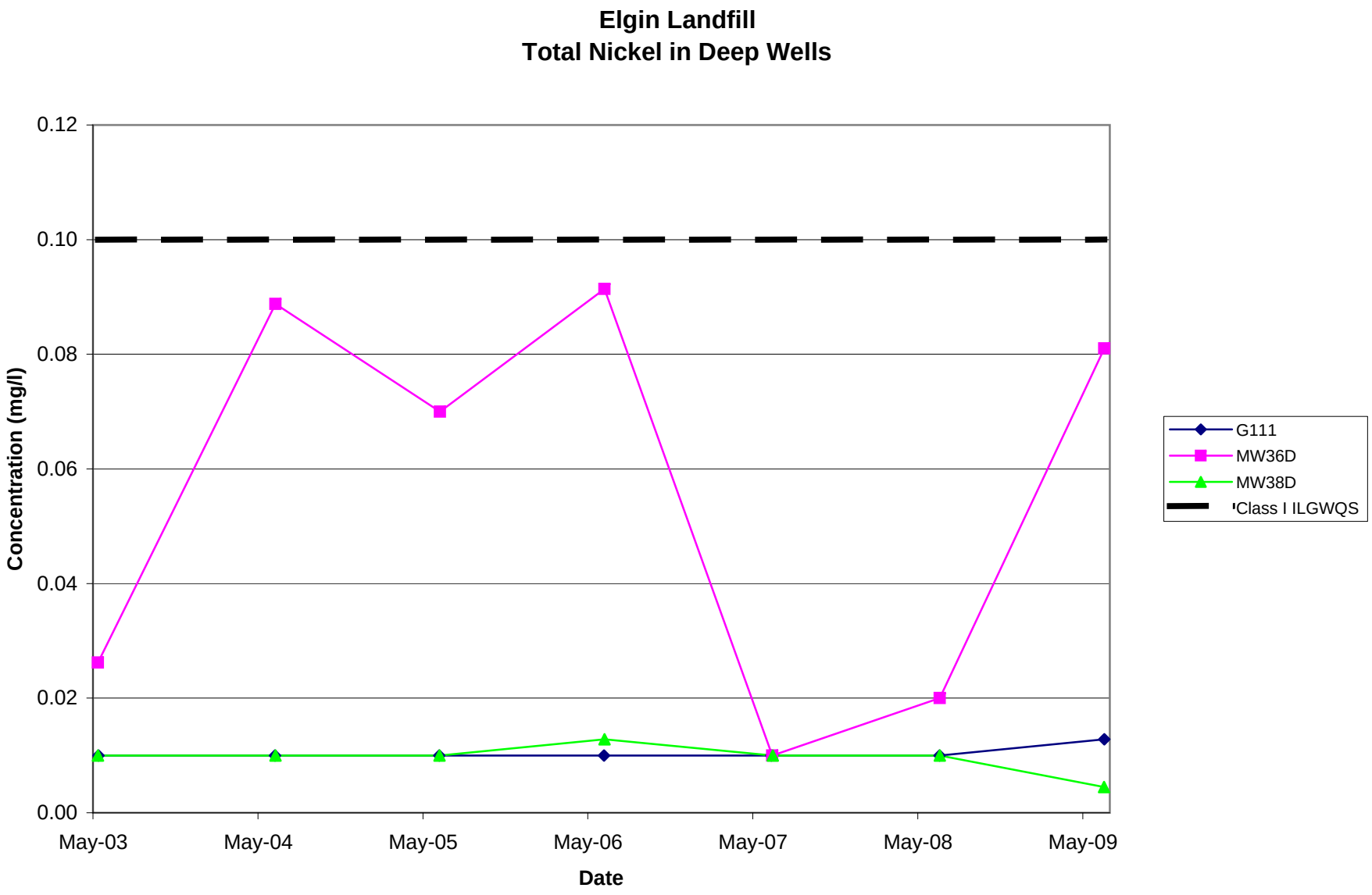

Tri-County Landfill
Total Nickel in Shallow Wells
Concentration (mg/l)
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW2SR
MW5SR
MW6S
MW10S
MW12SR
MW38S
MW39S
MW41S
Class I ILGWQS

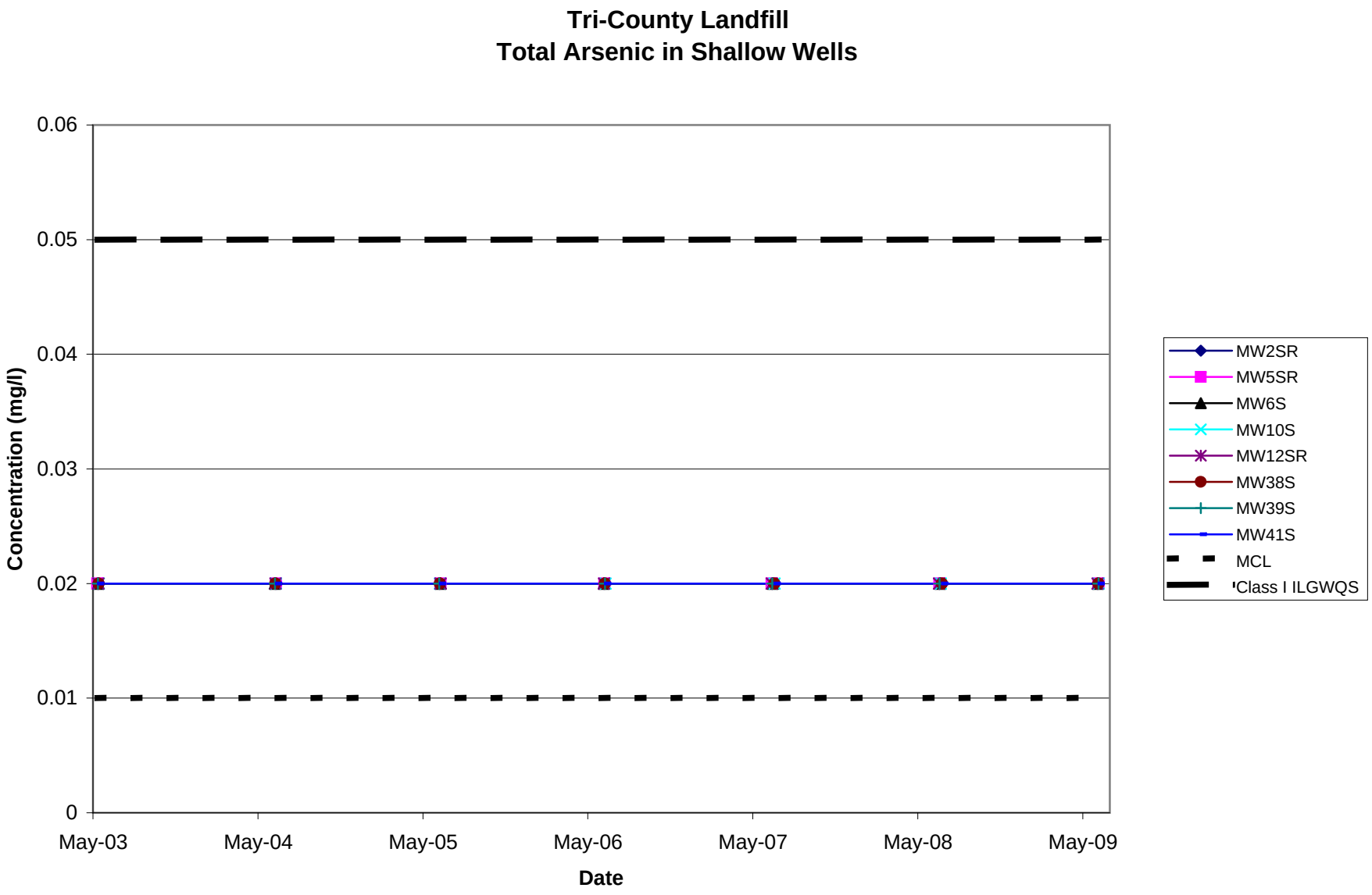

Tri-County Landfill
Total Nickel in Intermediate Wells
Concentration (mg/l)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G142
MW2IR
MW5IR
MW6I
MW10I
MW12IR
MW13IR
MW39I
Class I ILGWQS

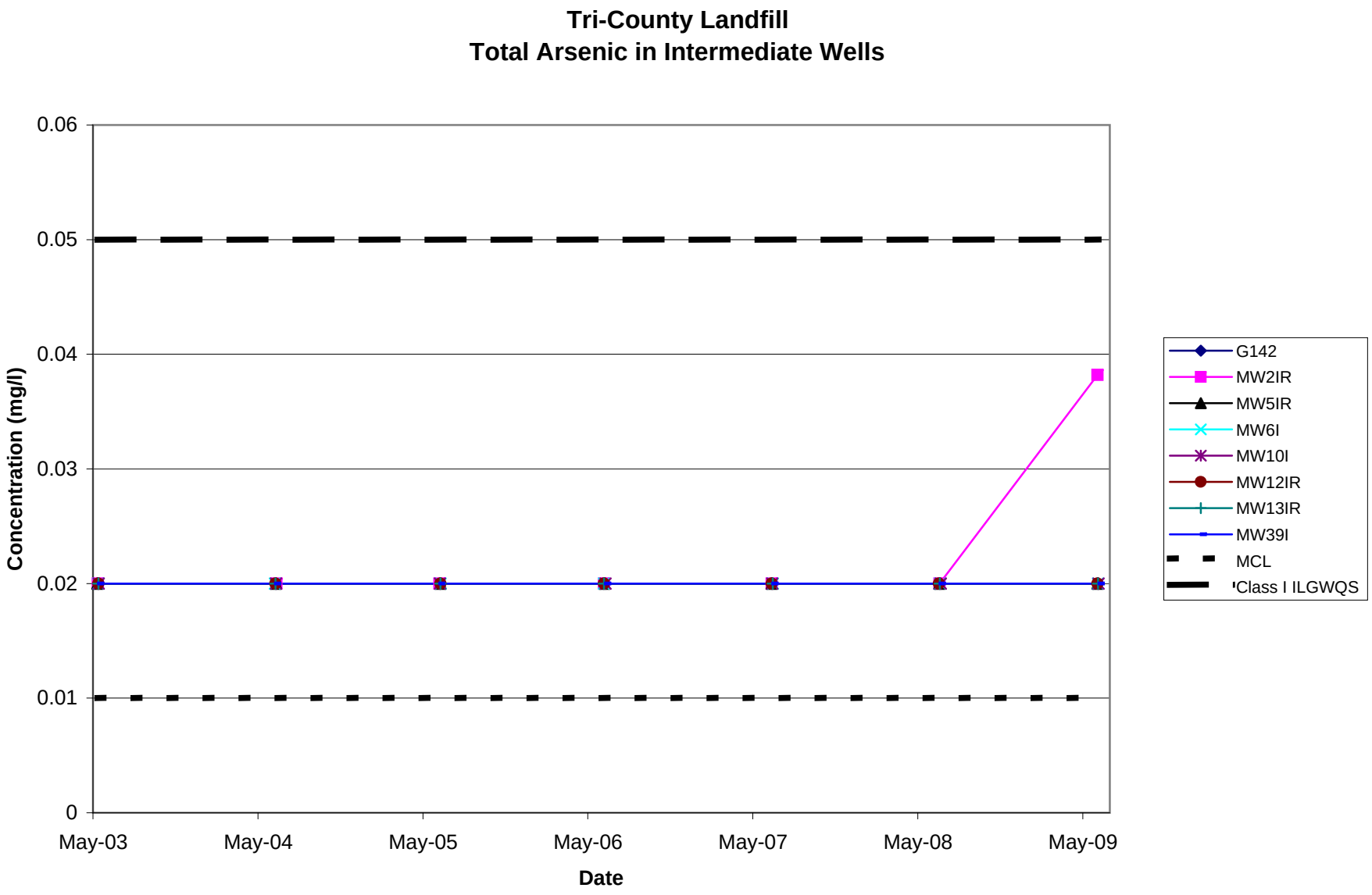

Tri-County Landfill
Total Nickel in Deep Wells
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Concentration (mg/l)
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW40DR
'Class I ILGWQS

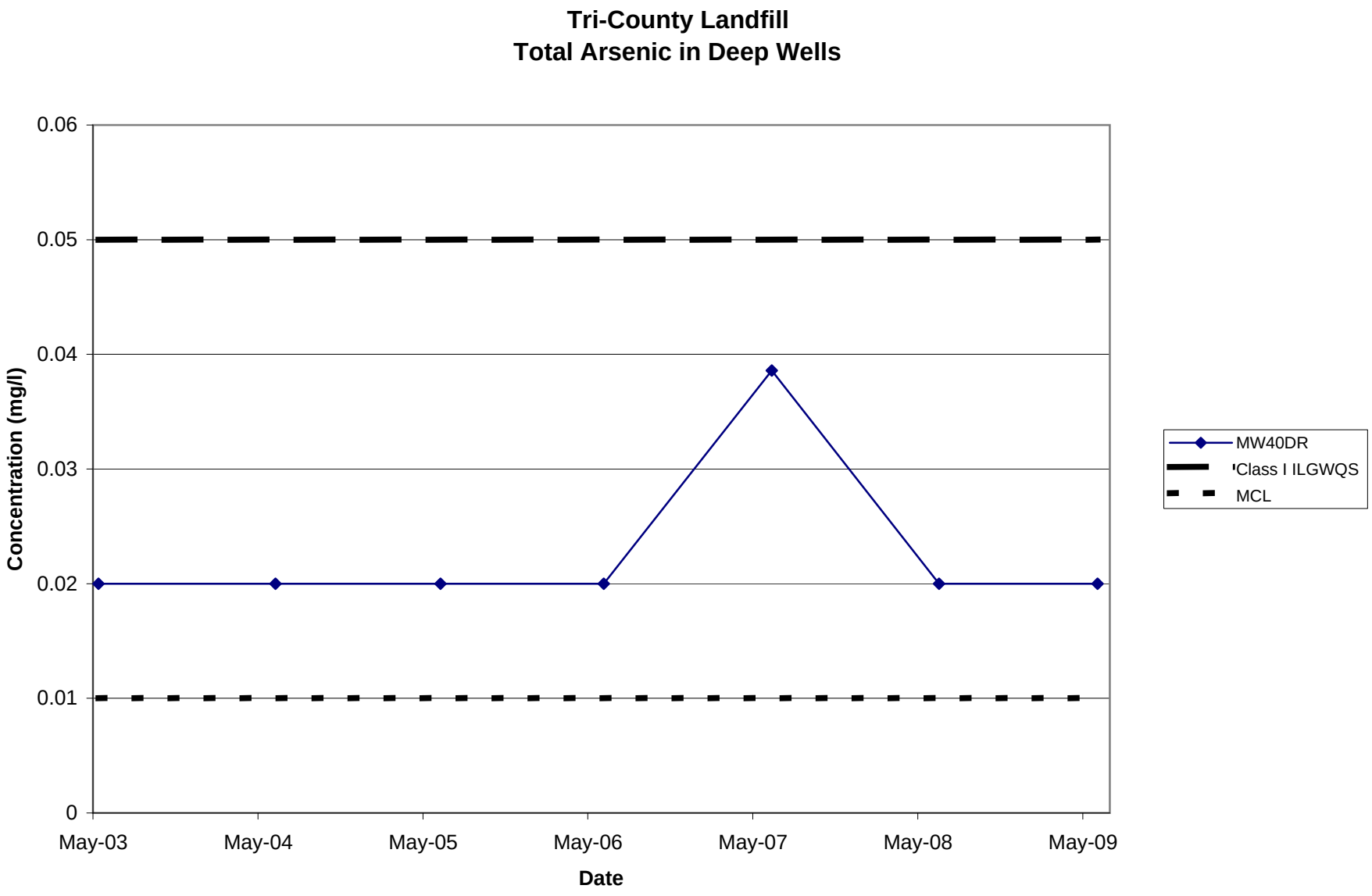

Elgin Landfill
Total Nickel in Shallow Wells
Concentration (mg/l)
0.25
0.20
0.15
0.10
0.05
0.00
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW20S
MW21S
MW24S
Class I ILGWQS

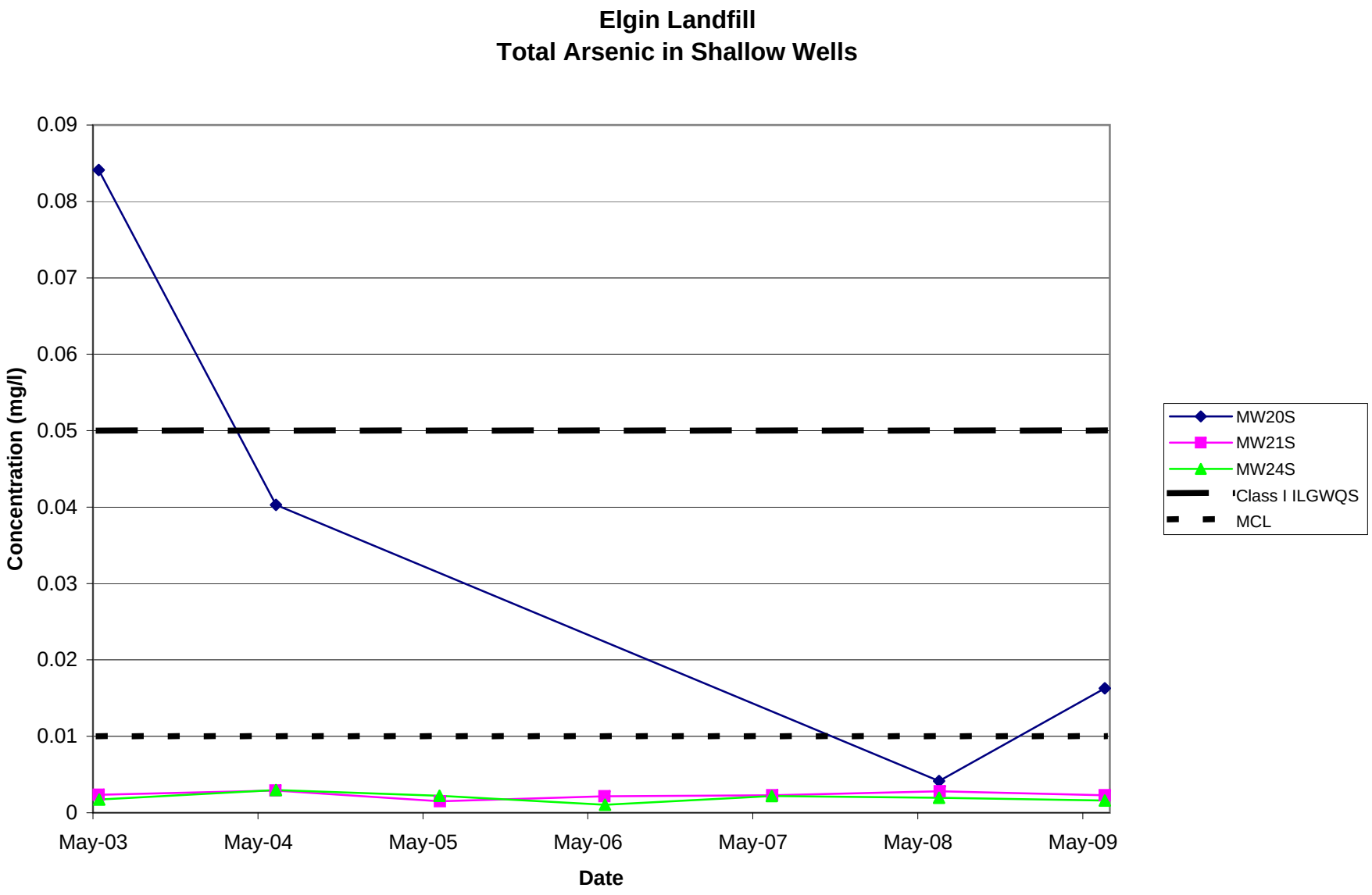

Elgin Landfill
Total Nickel in Intermediate Wells
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Concentration (mg/l)
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G141
MW22I
MW23I
MW36I
MW38I
'Class I ILGWQS

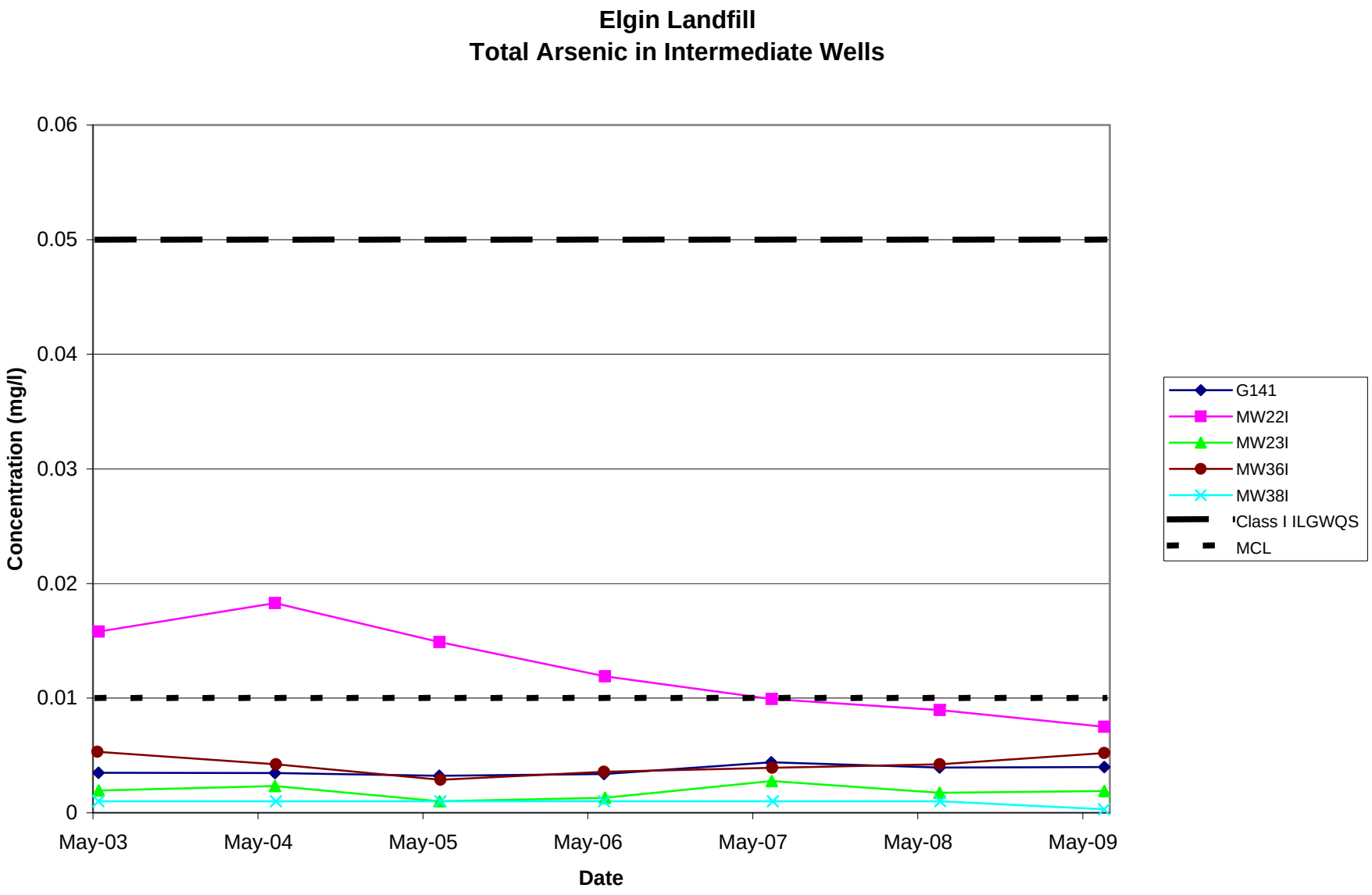

Elgin Landfill
Total Nickel in Deep Wells
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Concentration (mg/l)
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G111
MW36D
MW38D
Class I ILGWQS

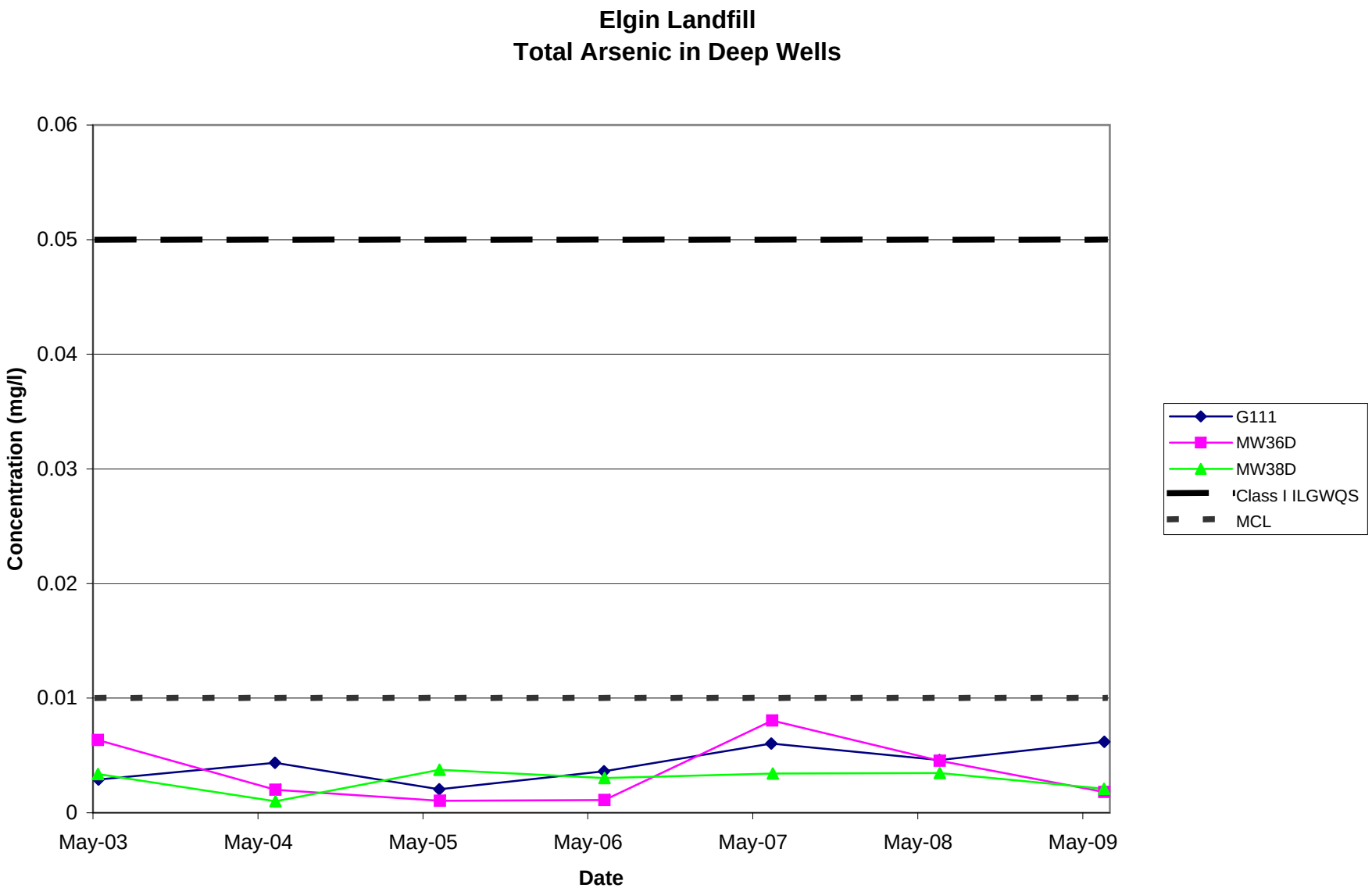

Tri-County Landfill
Total Arsenic in Shallow Wells
Concentration (mg/l)
0.06
0.05
0.04
0.03
0.02
0.01
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW2SR
MW5SR
MW6S
MW10S
MW12SR
MW38S
MW39S
MW41S
MCL
Class I ILGWQS


Tri-County Landfill
Total Arsenic in Intermediate Wells
Concentration (mg/l)
0.06
0.05
0.04
0.03
0.02
0.01
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G142
MW2IR
MW5IR
MW6I
MW10I
MW12IR
MW13IR
MW39I
MCL
Class I ILGWQS


Tri-County Landfill
Total Arsenic in Deep Wells
0.06
0.05
0.04
0.03
0.02
0.01
0
Concentration (mg/l)
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW40DR
'Class I ILGWQS
MCL


Elgin Landfill
Total Arsenic in Shallow Wells
Concentration (mg/l)
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
MW20S
MW21S
MW24S
'Class I ILGWQS
MCL


Elgin Landfill
Total Arsenic in Intermediate Wells
Concentration (mg/l)
0.06
0.05
0.04
0.03
0.02
0.01
0
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G141
MW22I
MW23I
MW36I
MW38I
Class I ILGWQS
MCL


Elgin Landfill
Total Arsenic in Deep Wells
0.06
0.05
0.04
0.03
0.02
0.01
0
Concentration (mg/l)
May-03
May-04
May-05
May-06
May-07
May-08
May-09
Date
G111
MW36D
MW38D
'Class I ILGWQS
MCL