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BROWN AND CALDWELL

July 15, 2009 137723.100

Mr. Donald Webster
USEPA Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303

Subject: Review of CY2008 Groundwater Monitoring Report
Grenada Stamping and Assembly Site, Grenada, Mississippi

Dear Mr. Webster:

Please find enclosed one (1) copy of the Annual Monitoring Report, Calendar Year 2008, Grenada Manufacturing, LLC. Brown and Caldwell Ohio, LLC (BC) is submitting this monitoring report on behalf of ArvinMeritor, Inc. for review and approval by the USEPA Region 4.

If you have any further questions regarding this amendment, please do not hesitate to contact us at (614) 410-6144

Very truly yours,

Brown and Caldwell

Bruce Alleman
Project Manager

Ihsan Al-Fayyomi
Regional Manager, Environmental Services

cc. Toby Cook, MDEQ
David O'Connor, ArvinMeritor, Inc.
Jeffrey Karp, Sullivan & Worcester LLP
Don Williams, Grenada Stamping

Docket No. 701290

BROWN AND CALDWELL

Transmittal

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To: Donald Webster, USEPA Region IV
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-8960

Date: 7/15/2009 **Transmittal No.:**
Project No.: 137723 **Task No.:** 100
Project Title: Annual Monitoring Report Calendar Year 2008 Grenada Manufacturing, LLC

From: Bruce Alleman **Contract No.:**
Distribution: Toby Cook, MDEQ; David O'Connor, ArvinMeritor, Inc.; Jeffrey Karp, Sullivan & Worcester LLP; Don Williams, Grenada Stamping
File:

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☒ Other: **Report** ☐ Hand Carried
☐ Courier

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REVIEW ACTIONS:

☐ No exceptions taken ☒ Make revisions ☐ Amend and resubmit ☐ Rejected ☐ None

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No. of Copies	Revision Date or No.	Document or Drawing No.	Description
1	6/29/2009	1	Annual Monitoring Report Calendar Year 2008 Grenada Manufacturing, LLC

Remarks: Mr. Webster,
Please see the attached copy of the CY2008 Grenada groundwater monitoring report for your review and approval. Feel free to contact us with any questions.

Prepared by: Name Bruce Alleman
Title Project Manager

ANNUAL MONITORING REPORT
CALENDAR YEAR 2008
GRENADA MANUFACTURING, LLC
GRENADA, MISSISSIPPI

Prepared for:

ArvinMeritor

Troy, Michigan

June, 2009

137723.100

BROWN AND CALDWELL

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1. PURPOSE AND OBJECTIVES

This report provides a summary of the results of the monitoring events conducted in Calendar Year 2008 (CY2008) at the Grenada Manufacturing, LLC (Grenada) facility (the "Site") in Grenada, Mississippi (Figure 1). These Site monitoring events were conducted in accordance with protocol defined in the following documents:

- Performance Monitoring Plan (PMP), Appendix E of the Design Basis Report for the Groundwater Interim Measure, prepared by Brown and Caldwell (BC) in April 2003 and revised in September 2004.
- Quality Assurance Project Plan (QAPP) prepared by Brown and Caldwell in November 2000 and revised in June 2006.

The PMP and QAPP provide a means to evaluate the current groundwater conditions and the effectiveness of various corrective measures at the Site.

The Automotive Division of Rockwell International Corporation (Rockwell), now ArvinMeritor, Inc. (ArvinMeritor), operated a wheel cover manufacturing facility at the Site from 1966 to 1985 before selling the operations and property to Textron Automotive Company (Textron), formerly Randall Textron. In 1999, Textron sold the operations and property to Grenada Manufacturing, LLC (the "Permittee") who continues to operate the wheel cover plant. ArvinMeritor and Textron have conducted several environmental investigations at the Site and continue to do so. The most extensive investigative work is reported in the 1994 Remedial Investigation (RI) Report conducted by ECKENFELDER, INC. (ECKENFELDER), now known as Brown and Caldwell. The work was in response to a Mississippi Department of Environmental Quality (MDEQ) Administrative Order of Consent (AOC) designed to investigate the on-site landfill, and was subsequently expanded to include other areas of the Site.

A Baseline Risk Assessment (BRA) was conducted for soil and shallow groundwater as part of the Supplemental RI Report prepared by ECKENFELDER in March 1994. The results of that investigation are discussed on a site-wide basis in the RI Report. The solid waste management units (SWMUs) and areas of concern (AOCs) had not yet been determined at the time the report was submitted to MDEQ. Subsequent to the submittal of the RI Report, the facility became subject to regulations under the RCRA Corrective Action program. Therefore, a RCRA Facility Assessment (RFA) was conducted in 1996 and 1997 by A.T. Kearney, Inc. under contract to the United States Environmental Protection Agency (USEPA) as part of the Hazardous and Solid Waste Amendment (HSWA) permit process for the facility. As a result of the Preliminary Review (PR) and Visual Site Inspection (VSI) portions of the RFA, 26 SWMUs and 3 AOCs were identified.

USEPA requested that data obtained subsequent to issuance of the 1994 RI Report be summarized and that the available data be organized by SWMU or AOCs. That document, the Summary of Investigative Work (SOIW), was prepared by BC in response to the request and was submitted to USEPA and MDEQ in July 1999. Also, Grenada was required to respond to comments on the SOIW and to revise and resubmit the SOIW as an RFI Report. An Interim Measures (IM) Work Plan and the RFI Report were subsequently

completed under separate schedules so that additional groundwater sampling and analyses could be conducted as part of the implementation of the IM Work Plan. Once USEPA and MDEQ approval was received for the IM Work Plan, field activities were conducted and additional data were incorporated into the RFI Report, which was issued as revised final in October 2001.

IMs for groundwater migration control were evaluated according to the IM Work Plan. In a letter to USEPA dated March 9, 2001, BC presented the results of the focused IM evaluation, which considered three in-situ treatment technologies: a permeable reactive barrier (i.e., zero valence iron), an air sparging curtain, and enhanced bioremediation. After evaluation of these technologies as applied to site-specific information, installation of a permeable reactive barrier (PRB) was recommended as the IM for groundwater migration control. BC submitted a Design Basis Report for the PRB to USEPA and MDEQ for review on May 18, 2001. That Design Basis Report described the scope of the design effort, a summary of the relevant Site conditions, the performance requirements of the PRB, and the design criteria.

IMs conducted by parties involved include the non-aqueous phase liquid (NAPL) recovery efforts at AOCs A and B and the Sludge Lagoon, the remediation of the on-site Landfill, the closure of the former Equalization Lagoon, the closure of the Chrome Destruct Pit and Chrome Plating Lines, and the installation of the PRB. A January 2006 Closure Report for SWMU 27 (Chrome Plating Line) was submitted to USEPA, and was approved in a correspondence from Jon D. Johnston dated March 2, 2006.

Before completion of the PRB, a baseline sampling event was conducted in November 2003 and those data are presented in the Baseline Groundwater, Surface Water, and Sediment Sampling Report (BC, June 2004). That report also summarizes geology and hydrogeology information, which is not repeated herein. The specific objective of the CY2008 monitoring was to monitor the corrective measures implemented at the Site to date and to provide supplemental data for the evaluation of those actions. Included within the corrective measures monitoring is the PRB, which was completed in March 2005. Legal issues between ArvinMeritor and Textron resulted in ArvinMeritor assuming responsibility for the post-closure monitoring of the Equalization Lagoon, which was part of the CY2008 monitoring events and are summarized herein. Historical analytical data collected from background well MW-23 were statistically compared to the compliance wells (MW/RT-2, MW/RT-4, and MW/RT-5) in accordance with Conditions IV.L of the Grenada facility permit for the Equalization Lagoon post-closure monitoring. That statistical comparison is presented in Section 3.2 of this report.

The revised June 2006 QAPP includes those activities that have become ArvinMeritor's responsibility that are not included in the PMP.

CY2008 monitoring events included corrective measures, semi-annual groundwater monitoring around the PRB, quarterly monitoring of surface water, and semi-annual post-closure groundwater monitoring around the Equalization Lagoon. Additional monitoring wells are sampled every two years as part of the groundwater program. This bi-annual sampling event occurred in Spring 2008. The results of these collective efforts are summarized in this report.

2. MONITORING STRATEGY AND METHODS

The groundwater and surface water monitoring methods used at the Site are described in this section. Groundwater and surface water were sampled to monitor the effectiveness of the various corrective measures implemented (PRB, Equalization Lagoon closure) and to evaluate current Site conditions. Also, some groundwater samples were analyzed for bioparameters to assess the extent to which natural attenuation is occurring and the effect of the PRB on this process.

The primary approaches to achieve the monitoring goals were through the use of the existing groundwater monitoring well network. Monitoring wells across the Site were installed in either the upper portion or the lower portion of the surficial aquifer that underlies the Site. Each of the well locations surrounding the PRB contains a shallow- and deep-screened monitoring well so that the upper and lower portions of the surficial aquifer can be monitored separately using well pairings. Monitoring wells located around the Equalization Lagoon were screened within the shallow aquifer. Groundwater monitoring and surface water sampling locations are presented in Figures 2 and 3, respectively. The groundwater and surface water monitoring points along with the associated aquifer portion for corrective measures monitoring and post-closure monitoring are listed in Tables 4 and 5, respectively. The presented monitoring wells are part of the monitoring well network indicated in the QAPP. The analytical parameters for each sample location are listed in Tables 6 and 7. The groundwater and surface water sampling methods and procedures are presented in the QAPP. These include field sampling procedures, laboratory analyses, sample chain-of-custody (COC), quality assurance (QA)/quality control (QC), and personnel certification. Groundwater and surface water monitoring are discussed further in Section 2.1 through Section 2.3.

2.1 Groundwater Sampling and Monitoring

Groundwater was collected from the monitoring wells listed on Tables 4 and 5, as outlined in the PMP and revised QAPP. The groundwater samples were tested in the field for select parameters and analyzed in the laboratory by Empirical Laboratories, LLC (Empirical) in Nashville, Tennessee for the parameters listed in Tables 6 and 7. Field measurements and observations were recorded in field log books and summarized on Field Sample Data Forms (included in Appendix A). Field sampling was in accordance with USEPA established protocols and those outlined in the QAPP.

Samples were appropriately preserved, stored at approximately 4 degrees Celsius (°C) immediately upon collection, and shipped to the laboratory in accordance with standard COC procedures. COC records and laboratory analytical reports are included in Appendix B.

2.2 Summary of Statistical Analyses

In accordance with Conditions IV.L of the Grenada facility permit, compliance data from wells MW/RT-2, MW/RT-4, and MW/RT-5 were compared to the statistical prediction limits developed from background well MW-23 and consistent with the guidelines presented in "Statistical Analysis of Ground-water Monitoring Data at RCRA Facilities" Interim Final Guidance (USEPA, February 1989), and the "Addendum to Interim Final Guidance" (USEPA, July 1992).

The statistical tests used fall into two categories - parametric and non-parametric prediction limits. The selection of either parametric or non-parametric tests depends on the percentage of background samples below the detection limit and the distribution of the data. The primary distinction between the parametric and non-parametric methods involves assumptions regarding the distribution of the data set. Parametric methods assume that the data (or the transformed data) follow a normal distribution. Non-parametric methods make no distributional assumptions. In general, parametric methods are used in all cases where the distributional assumptions are met and where a sufficient percentage of data points are detected. If all sample results were detected, testing for normal distribution of the data was conducted using the Shapiro-Wilk Test of Normality [USEPA guidance (July 1992)]. If less than 50% of the sample results were non-detect, an attempt was made to determine if either the censored data or the detected values followed a normal distribution using either Cohen's Method or Aitchison's Method for handling censored data. If more than 50% of the sample results were non-detect, then non-parametric prediction limits were used

2.3 Surface Water Sampling

The groundwater in the uppermost aquifer at the Site flows to the west and discharges into Riverdale Creek. Surface water samples were collected at five sample locations (SW-9, SW-12, SW-17, SW-19, and SW-22), as indicated on Figure 5. These locations coincide with previous sampling locations so that the most recent data could be compared with historical data. Also, the sample designations match those assigned in previous investigations. These locations include one sample collected approximately 300 feet upstream of the Outfall Ditch on Riverdale Creek, one at the confluence of the Outfall Ditch and Riverdale Creek, one in Riverdale Creek parallel to the alignment of the PRB approximately 400 feet downstream of the Outfall Ditch, and two further downstream of the PRB. The two samples downstream of the PRB consist of one sample approximately 2,000 feet downstream of the Outfall Ditch (roughly 400 feet downstream of the PRB) and the second approximately 3,000 feet downstream of the Outfall Ditch near the Highway 51 Bridge.

Surface water samples were collected near the east bank of Riverdale Creek at locations exhibiting the greatest degree of homogeneity. Surface water samples were collected in a downstream to upstream direction so that sediment was not mobilized that could potentially impact unsampled locations. At each of the sample locations, a water sample was collected that was representative of the entire depth at the sampling location. Sampling procedures outlined in the PMP were followed so that representative samples were collected. Water temperature, pH, and specific conductance were measured in the field using a portable meter and recorded in the field log book. Meter probes were gently wiped with a paper towel and then rinsed with deionized water before and after each use. The pH and specific conductivity meters were calibrated before use. Sampling equipment was decontaminated before sampling in accordance with USEPA established protocols and those outlined in the QAPP.

Field measurements and observations were recorded in the field log book and are summarized on the Field Sample Data Forms (Appendix A). Samples were appropriately preserved, stored at approximately 4°C immediately upon collection, and shipped to the laboratory in accordance with standard COC procedures. Empirical analyzed the surface water samples for volatile organic compounds (VOCs) and the inorganic parameters listed in Table 6. COC records and laboratory analytical reports are included in Appendix B.

2.4 Quality Assurance and Quality Control (QA/QC)

Sampling and analysis QA/QC was maintained and monitored by collection and analysis of field QA/QC samples and analysis of method-required laboratory QA/QC samples. Two duplicate, two matrix spike/matrix spike duplicates (MS/MSD), and two equipment blanks were collected during the April 2008 groundwater sampling event. Three duplicate, two matrix spike/matrix spike duplicates (MS/MSD), and two equipment blanks were collected during the September 2008 groundwater sampling event. One duplicate and

one MS/MSD were collected during each surface water sampling event. For each sampling event, one trip blank was sent with each shipment containing samples for VOCs analysis and one temperature control blank was placed in each cooler. All QA/QC samples were recorded in the field log book and are summarized on the Field Sample Data Forms in Appendix A, as applicable.

Samples generated in the field were appropriately preserved, stored at approximately 4°C immediately upon collection, and shipped to the laboratory in accordance with standard COC procedures. Field personnel collecting the samples were responsible for the custody of each sample until transportation to the laboratory. All samples were recorded on the COC forms. Sample transfer required the individuals relinquishing and receiving the samples to sign, date, and note the time on the COC forms. COC records and laboratory analytical reports are included in Appendix B. Results of the QA/QC sample analyses are included with the laboratory analytical reports. The data generated by analysis of these samples was used to evaluate the quality of both field and laboratory procedures.

2.5 Decontamination and Investigation-Derived Waste (IDW)

Field equipment, such as non-dedicated sampling or down-hole measurement equipment, was decontaminated between each sampling location following the procedures outlined in the QAPP. Purge water generated during the sampling event was placed into Department of Transportation (DOT)-approved 55-gallon steel drums and stored on Site. Groundwater analytical results were evaluated to characterize the purge water for transportation and disposal by a licensed waste hauler retained by ArvinMeritor. BC provided ArvinMeritor with the number of drums, estimated volume of purge water, and previous analytical results. Also, BC clearly labeled each drum as to contents and date, as required for proper storage. The waste hauler developed the waste disposal manifests and delivered the manifests to ArvinMeritor for signature. The waste hauler then labeled each drum for transport and transported the drums under manifest for disposal on behalf of ArvinMeritor.

2.6 Health and Safety

All field activities were conducted in accordance with a site-specific Health and Safety Plan (HASP), dated March 2007, which was developed consistent with Occupational Safety and Health Administration (OSHA) requirements.

3. MONITORING RESULTS

CY2008 events included semi-annual groundwater monitoring events for corrective measures monitoring and post-closure semi-annual groundwater monitoring around the Equalization Lagoon and Chrome Plating Line. Also, CY2008 activities included quarterly monitoring events for corrective measures and semi-annual monitoring of surface water. The following sections discuss the results of the sample analyses. Complete laboratory sample reports are in Appendix B.

3.1 Groundwater Results

every 2 years

Two groundwater sampling events were conducted during CY2008 which covered both the corrective measures and post-closure monitoring. The bi-annual site-wide groundwater sampling event occurred in April 2008, whereas the focused semi-annual groundwater sampling event occurred in September 2008. Tables 4 and 5 present the monitored wells associated with these sampling events.

2x per year

During the site-wide bi-annual groundwater sampling event in April 2008, the monitoring wells within the upper portion of the Upper Aquifer (MW-1, MW-4, MW-5, MW-6, MW-7, MW-11, MW-12, MW-13, MW-14, MW-16, MW-20, MW-23, MW-25, MW-41, MW-43, MW-45, MW-47, MW-50, MW-51, MW-53, RT-1, RT-2, RT-3, RT-4, and RT-5) were sampled to monitor the upper portion of the plume. The monitoring wells within the lower portion of the Upper Aquifer (MW-8, MW-9, MW-10, MW-15, MW-17, MW-42, MW-44, MW-46, MW-48, MW-49, MW-52, and MW-54) were sampled to monitor the lower portion of the plume. Inspection of MW-3 revealed that the well did not contain any groundwater and the MW-24 casing was bent. For these reasons groundwater sampling was not performed on wells MW-3 and MW-24.

In September 2008, during the focused semi-annual groundwater sampling event, as part of the corrective measures monitoring, wells MW-5, MW-14, MW-41, MW-43, MW-45, MW-47, MW-49, MW-51, and MW-53 were sampled to monitor the upper portion of the Upper Aquifer. Wells MW-10, MW-42, MW-44, MW-46, MW-48, MW-50, MW-52, and MW-54 were sampled to monitor the lower portion of the Upper Aquifer. Wells (MW/RT-2, MW/RT-4, MW/RT-5, and MW-23) within the upper portion of the Upper Aquifer were monitored as part of the post-closure groundwater monitoring around the Equalization Lagoon.

Samples were not collected from the Chrome Plating Line Area during 2008, as approved by Mr. Jon D. Johnson of the USEPA in his March 2, 2006 letter to Mr. Don Williams of Grenada.

Tables 8 through 11 present the groundwater data collected for the site-wide and corrective measures monitoring during 2008 (highlighted in bold), as well as the historical data for wells in the monitoring programs. Tables referenced in Section 3.2 present the groundwater data collected for the post-closure semi-annual groundwater monitoring around the Equalization Lagoon. Historical data collected before 2006 were collected before BC and ArvinMeritor assumed responsibility for the post-closure monitoring, and were taken from previously submitted reports. Also, data in tables referenced in Section 3.2 are compared to Mississippi Tier 1 Target Remediation Goals (TRG), as presented in previously submitted reports. These historical data were used for the statistical analyses. Those locations that are on Tables 8 through 11 present historical data

(pre-2006) collected during separate sampling events and may vary. Data in the tables referenced in Section 3.2 were used in the statistical analyses.

The detected VOC concentrations are presented in Table 8. The VOC data are organized with the first three columns containing trichloroethylene (TCE) and its degradation (or daughter) products cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride. The remaining columns of VOC data are organized by frequency of detection. The semi-volatile organic compound (SVOC) and inorganic data are presented in Tables 9 and 10, respectively. Those concentrations in Table 8, Table 9, or Table 10 that exceeded a site-specific risk-based action level or the USEPA Maximum Contaminant Level (MCL) are highlighted. Bioparameter data are presented in Table 11 and are grouped into the following four categories: electron acceptors, indicators of degradation (i.e., ethene), nutrients, and geochemical parameters. Tables referenced in Section 3.2 present data unique to the post-closure monitoring and statistical analyses.

3.1.1 Groundwater Elevations

The water level elevations measured for each of the wells sampled during 2008, along with the historical groundwater elevations, are listed in Table 12. The measurements were used to evaluate the potentiometric surface of the water table aquifer for estimation of groundwater flow direction and gradient. Figures 4 and 5 show the potentiometric surface map for the uppermost portion of the Upper Aquifer for groundwater measurements obtained in April 2008 and September 2008, respectively. Figures 6 and 7 show the potentiometric surface map for the lower portion of the Upper Aquifer for groundwater measurements obtained in April 2008 and September 2008, respectively. The groundwater flow direction within the water table aquifer was determined to be to the west toward Riverdale Creek, which is consistent with past observations of groundwater flow direction.

The hydraulic gradient measured across the Site (from the MW/RT-2 to MW-41) in the uppermost portion of the Upper Aquifer was 0.0037 during the April 2008 event and 0.0038 during the September 2008 event. The hydraulic gradient measured across the Site (from MW-8 to MW-42) in the lower portion of the Upper Aquifer was 0.0036 during the April 2008 event. The hydraulic gradient measured across the Site (from MW-42 to MW-46) in the lower portion of the Upper Aquifer was 0.0137 during the April 2008 event and 0.0138 during the September 2008 event.

3.1.2 Volatile Organic Compounds (VOCs)

VOC concentrations for CY2008 and historical events are provided in Table 8. Concentration data for TCE, cis-1,2-DCE, and vinyl chloride collected from the monitoring wells in the upper portion and lower portions of the aquifer during the April and September groundwater sampling activities of CY2008 are presented in Figures 8 and 9, respectively. Figure 3-7 presents concentrations for TCE, cis-1,2-DCE, and vinyl chloride data collected from the monitoring wells associated with the former Equalization Lagoon during the April and September groundwater sampling activities of CY2008.

A comparison of COC concentrations from the 2003 baseline event and historical events to the CY2008 results indicate that, in general, the groundwater concentrations have trended downward or have remained relatively consistent with historical levels. Within the upper portion of the Upper Aquifer, MW-5 (during both 2008 events) indicated an increase as compared to the last 3 years of sampling; however, remained well below the historical highs. MW-51 indicated increased TCE concentrations above historical highs. Both locations are upgradient of the PRB. MW-14 within this portion of the aquifer also indicated increased cis-1,2-DCE concentrations when compared to historic data and indicated decreased concentration levels of vinyl chloride since the 2007 events. MW-45 indicated an increase in cis-1,2-DCE concentrations during the April 2008 sampling event, but indicated a decrease during the September 2008 sampling event. Within the lower portion of the Upper Aquifer, well MW-48 indicated a decrease in concentrations of TCE, cis-1,2-

DCE, and vinyl chloride in both 2008 events compared to the September 2007 results. MW-48 is located downgradient of the PRB and the detected concentrations during 2008 were at least an order of magnitude lower than the September 2007 sampling results, which were historical highs. The 2008 results from MW-48 reflect trends observed in 2006 and 2007, with reported concentrations higher in the Fall event than the Spring event.

At the conclusion of the PRB installation, four wells (MW-43, MW-44, MW-49, and MW-50) were installed inside two separate sections of the barrier to monitor the performance of the PRB. During CY2008, monitoring wells MW-43 and MW-50, which are in the upper unit of the PRB, continued to indicate concentrations of TCE below detection levels. MW-43 indicated concentrations of cis-1,2-DCE below the targeted groundwater performance standards. MW-43 indicated an increased concentration of vinyl chloride, and MW-50 indicated an increase in cis-1,2-DCE concentration both above the respective performance standards. Both MW-44 and MW-49 (in the lower portion of the PRB) reported concentrations below the detection levels and the groundwater performance standards for TCE during the April and September 2008 sampling events. During CY2008, MW-44 indicated a decrease in cis-1,2-DCE and vinyl chloride concentration from the previous sampling event, but the measured concentrations were still above the respective performance standards.

Existing monitoring wells MW/RT-2, MW/RT-4, MW/RT-5, and MW-23 were used as sampling locations for the post-closure monitoring of the Equalization Lagoon. MW-23 replaced MW/RT-1 as a background monitoring well, as approved in the March 2001 permit revision. The remaining three monitoring wells represent locations downgradient of the closed Equalization Lagoon where potential impacts would be first detected. VOC concentrations in these wells, when compared to the 2003 baseline event, have generally declined or remained relatively stable. MW/RT-2 and MW-23 have shown an increase over this period for TCE, with recent concentrations remaining relatively stable. During the CY2008 sampling event, MW-23 presented a decrease in the concentration of TCE and vinyl chloride. In accordance with Condition IV.L of the Grenada facility permit, a statistical comparison of concentrations in wells associated with the post-closure monitoring is presented in Section 3.2.

The concentrations of remaining Site VOC constituents of interest [tetrachloroethylene (PCE), 1,2-dichloroethane (1,2-DCA), 1,1-dichloroethylene (1,1-DCE), toluene, 1,1,2-trichloroethane (1,1,2-TCA), and benzene] are summarized in Table 8. Most of the results for these constituents were below detection limits. PCE, benzene, 1,1-DCE, 1,2-DCA, and toluene were all detected at various locations across the Site slightly above targeted groundwater performance standards in CY2008.

3.1.3 Semi-Volatile Organic Compounds (SVOCs)

Historical and current SVOC data are presented in Table 9. Bis(2-ethylhexyl)phthalate is the only SVOC constituent of interest for the corrective measures monitoring. Bis(2-ethylhexyl)phthalate, 2-methyl-naphthalene, 1,2,4-trichlorobenzene, naphthalene, pentachlorophenol are on the current constituents of interest list for the post-closure monitoring of the Equalization Lagoon (MW/RT-2, MW/RT-4, MW/RT-5, and MW-23). During the September 2008 event, bis(2-ethylhexyl)phthalate was detected in monitoring well MW-54 located within the lower portion of the Upper Aquifer upgradient of the PRB. The Concentration of bis(2-ethylhexyl)phthalate in MW-54 has been above the detection limits for the last three semi-annual sampling events. There has been no other detection of bis(2-ethylhexyl)phthalate since the baseline sampling event conducted in 2003, with the exception of a duplicate sample in April 2006, which exceeded target Site clean-up goals. 1,2,4-trichlorobenzene was detected below target Site clean-up goals in all of the post-closure Equalization Lagoon monitoring wells for CY2008. MW/RT-2 indicated a reduction in 2-methyl-naphthalene, naphthalene, and pentachloro-phenol during both CY2008 sampling events from the CY2007 results. Statistical data comparisons are presented in Section 3.2.

3.1.4 Inorganics

Both historical and current inorganic data are presented in Table 10. Total chromium, hexavalent chromium, arsenic, and lead were the primary inorganic constituents of interest for corrective measures monitoring. Also, for post-closure groundwater monitoring for the Equalization Lagoon, total and hexavalent chromium, arsenic, lead, and selenium are the primary inorganic constituent of interest. Concentrations of total chromium in all Site monitoring wells have shown an overall reduction. Of the detected total chromium concentrations, samples collected from MW-6, MW-23, MW-45, MW/RT-2, MW/RT-3, MW/RT-3 exceeded targeted Site clean-up goals. Measured inorganic concentrations from wells upgradient of the PRB are generally stable when compared to the 2003 baseline results and are predominantly below the detection limit. With the exception of the total chromium results from the April 2007 event in MW-50, the samples collected from wells inside the PRB had no detected inorganic concentrations. Prior to the CY2008 sampling event, a hexavalent chromium detection in MW-45 was the only exceedance of targeted Site clean-up goals in CY2008. During the CY2008 sampling events, MW-1, MW-6, MW-14, MW-23, MW-45, MW-48, MW-51, MW-52, and MW-54 indicated concentrations of hexavalent chromium that exceed the Site clean-up goals. Arsenic concentrations have remained within historical levels across the Site. A number of the Site wells contain concentrations of arsenic above targeted Site clean-up goals, with a majority of these results below the detection limits. Lead and selenium concentrations in all monitored wells remained within historical levels across the Site, with the majority of the concentrations below detection limits.

3.2 Post-Closure EQ Lagoon Wells Statistical Results

The analytical results, summarized in the following Tables 1, 2, and 3, indicate that TCE, 1,1-DCE, vinyl chloride, and methylene chloride were detected in MW/RT-2, MW/RT-4, MW/RT-5, and MW-23, at concentrations above the Mississippi Tier 1 Target Remediation Goals (TRG) at least once in CY2008. Concentrations of 1,2,4-trichlorobenzene were detected above the TRG in wells MW/RT-2 and MW -23. Concentrations of pentachlorophenol and total chromium above TRGs were detected in MW/RT-2.

Table 1 - Groundwater Analytical Results
April 2008 Sampling Event

Analyte	Tier 1 TRG (mg/L)	MW/RT-2 (mg/L)	MW/RT-4 (mg/L)	MW/RT-5 (mg/L)	MW-23 (mg/L)
Volatile Organic Compounds (VOCs) (EPA 8260)					
Acetone	0.608	<0.054	0.032 J	<0.0054	<0.043
Benzene[a]	0.005	<0.0055	<0.0028	<0.00055	<0.0044
Carbon Disulfide	1.04	<0.0065	<0.0032	<0.00065	<0.0052
Chloroethane	0.00364	<0.019	<0.0095	<0.0019	<0.015
1,1-Dichloroethane (DCA)	0.798	0.012 J	0.0068 J	0.0031 J	<0.006
1,1-Dichloroethene (DCE)[a]	0.007	**0.027 J**	**0.017 J**	0.0044 J	<0.017
Trans-1,2-Dichloroethene (DCE)	0.1	<0.02	**0.11**	0.0055	0.030 J
1,2-Dichloropropane	0.005	<0.009	<0.0045	<0.0009	<0.0072
Ethylbenzene	0.7	<0.007	<0.0035	<0.0007	<0.0056
Methylene Chloride	0.005	**0.099 J B**	**0.14 B**	**0.024 B**	**0.065 J B**
Tetrachloroethene (PCE)[a]	0.005	**0.0097 J**	<0.0035	0.0018 J	<0.0056
Toluene[a]	1	<0.009	<0.0045	<0.0009	<0.0072

1,1,1-Trichloroethane (TCA)	0.2	<0.0075	<0.0038	<0.00075	<0.006
1,1,2-Trichloroethane (TCA)[a]	0.005	<0.0085	<0.0042	<0.00085	<0.0068
Trichloroethene (TCE)[a]	0.005	**7.0**	**0.58**	**0.59**	**4.9**
Vinyl Chloride[a]	0.002	**0.28**	**0.10**	**0.02**	**0.16**
Xylenes (total)	12	<0.010	<0.0052	<0.0001	<0.0084
Semivolatile Organic Compounds (SVOCs) (EPA 8270)					
Pentachlorophenol	0.001	**0.0053 J**	<0.001	<0.00094	<0.00096
bis(2-ethylhexyl)phthalate[a]	0.006	<0.0012	<0.0013	<0.0012	<0.0012
Naphthalene	0.122	<0.00044	<0.00045	<0.00042	<0.00043
1,2,4-Trichlorobenzene (TCB)	0.0062	**0.03**	0.0014 J	0.0039 J	0.00043 J
2-Methylnaphthalene	0.070	0.00067	<0.00068	<0.00064	<0.00065
1,2,4,5-Tetrachlorobenzene	0.011	<0.028	<0.0028	<0.0028	<0.0028
Metals (EPA 6000/7000 Series)					
Arsenic[a]	0.050	<0.003	0.0129	0.0034 B	0.008 B
Chromium (total)[a]	0.10	**3.84**	<0.002	**0.286**	**0.544**
Lead	0.015	0.0077	<0.002	0.009	**0.0151**
Selenium	0.050	NA	NA	NA	NA

Table 1 - Groundwater Analytical Results (continued)
September 2008 Sampling Event

Analyte	Tier 1 TRG (mg/L)	MW/RT-2 (mg/L)	MW/RT-4 (mg/L)	MW/RT-5 (mg/L)	MW-23 (mg/L)
Volatile Organic Compounds (VOCs) (EPA 8260)					
Acetone	0.608	<0.84	<0.042	<0.0034	<0.021
Benzene[a]	0.005	<0.006	<0.003	<0.00024	<0.0015
Carbon Disulfide	1.04	<0.0075	<0.0038	<0.0003	<0.0019
Chloroethane	0.00364	<0.007	<0.0035	<0.00028	<0.0018
1,1-Dichloroethane (DCA)	0.798	0.030 J	<0.0028	0.0027 D	0.0067 J D
1,1-Dichloroethene (DCE)[a]	0.007	**0.048 J**	0.019 J	0.003	0.0091 J D
Trans-1,2-Dichloroethene (DCE)	0.1	0.024 J	**0.12**	0.0037 D	0.021 D
1,2-Dichloropropane	0.005	<0.0055	<0.0028	<0.00022	<0.0014
Ethylbenzene	0.7	<0.018	<0.0088	<0.0007	<0.0044
Methylene Chloride	0.005	**0.077 J B**	**0.048 JB**	**0.0021 J B D**	**0.021 J D B**
Tetrachloroethene (PCE)[a]	0.005	**0.014 J**	<0.0025	0.00054 J D	<0.0012
Toluene[a]	1	<0.008	<0.004	<0.00032	<0.002
1,1,1-Trichloroethane (TCA)	0.2	<0.006	<0.003	<0.00024	<0.0015
1,1,2-Trichloroethane (TCA)[a]	0.005	<0.005	<0.0025	<0.0002	<0.0012
Trichloroethene (TCE)[a]	0.005	**13.0 E**	**0.50**	**0.330 D**	**3.4 D E**
Vinyl Chloride[a]	0.002	**0.370**	**0.52**	**0.061 D**	**0.065**
Xylenes (total)	12	<0.024	<0.012	<0.00094	<0.0059
Semivolatile Organic Compounds (SVOCs) (EPA 8270)					
Pentachlorophenol	0.001	**0.0028 J**	<0.0011	<0.001	<0.001

bis(2-ethylhexyl)phthalate[a]	0.006	0.0028 J	0.0034 J	0.0021 J	0.0022 J
Naphthalene	0.122	<0.00045	<0.0005	<0.00047	<0.00045
1,2,4-Trichlorobenzene (TCB)	0.0062	**0.026**	0.0051 J	0.0022 J	0.00051 J
2-Methylnaphthalene	0.070	0.00095 J	<0.00076	<0.00072	<0.00068
1,2,4,5-Tetrachlorobenzene	0.011	<0.003	<0.0033	<0.0032	<0.0030
Metals (EPA 6000/7000 Series)					
Arsenic[a]	0.050	0.0116	0.0131	0.0216	0.0369
Chromium (total)[a]	0.10	**3.79**	<0.002	**0.345**	**3.45**
Lead	0.015	**0.0252**	0.0024 B	**0.0241**	**0.0559**
Selenium	0.050	NA	NA	NA	NA

[a] – RFI Constituent of Concern
"J" indicates that concentration is estimated
"B" indicates that constituent also detected in laboratory blank
"E" indicates that concentration exceeds the highest concentration level on the laboratory standard curve
"D" indicates that the reported concentration is for a sample aliquot diluted by the laboratory
NA = Not Applicable
Source: SW-846 Third Edition Final Update 3

3.2.1 Statistical Analyses

Analytical results for the CY2008 sampling event are summarized above. The data were compared to the statistical limits that were developed as discussed in Section 2. The parameters statistically analyzed are: trans-1,2-DCE, TCE, vinyl chloride, 1,2,4-trichlorobenzene, total chromium, arsenic, naphthalene, and 2-methylnapthalene

Naphthalene and 2-methylnapthalene have not been detected in the data set for MW-23 (background); therefore, the non-parametric prediction limits for these compounds are equivalent to the practical quantitation limit.

As reported in previously submitted annual reports, two total chromium background data points (1.07 milligrams per liter (mg/L) in April 2002 and 0.895 mg/L in April 2003) were not used from MW-23 in the statistical analysis. These data points are considered outliers based on the results of the First Semi-Annual Groundwater Monitoring Report for 2003, and the Second Semi-Annual Groundwater Monitoring Report, both prepared by Global Environmental Solutions, Inc. (GESI). These reports state that these samples were adversely influenced by the presence of high turbidity.

A summary of the statistical analyses conducted is presented in the following Tables 2 and 3. These tables contain the following information:

1. The number of sample results in the background well (MW-23), number and percentage of results below the analytical detection limits (non-detects), and whether the data were transformed in order to achieve normality.
2. The statistical method used for each parameter,
3. The statistical prediction limits,
4. Sample results for the compliance wells, and
5. A determination of whether there was a statistical exceedance in comparison to well MW-23 background data.

Table 2 - Summary of Statistical Analysis
April 2008 Sampling Event

Parameter	No. BG	Non Detects		Data Transform	Method	Prediction Limit	Units	RT-2		RT-4		RT-5	
		No.	%					Data	Exceed	Data	Exceed	Data	Exceed
1,2,4-TCB	14	6	43	Ln	Nonparametric Prediction Limit	0.0684	mg/L	0.030	no	0.0014	no	0.0039	no
2-methylnaphthalene	6	6	100	none	Nonparametric Prediction Limit		mg/L	<0.0049	no	<0.005	no	<0.0047	no
Naphthalene	6	6	100	none	Nonparametric Prediction Limit		mg/L	<0.0049	no	<0.005	no	<0.0047	no
trans-1,2-DCE	14	3	21	none	Parametric Prediction Limit	0.149	mg/L	<0.05	no	0.11	no	0.0055	no
TCE	15	0	0	Ln	Parametric Prediction Limit	39.6	mg/L	7.0	no	0.58	no	0.59	no
Vinyl Chloride	15	1	7	none	Parametric Prediction Limit	0.40	mg/L	0.28	no	0.10	no	0.02	no
Arsenic	7	5	71	none	Nonparametric Prediction Limit	0.05	mg/L	0.003	no	0.0129	no	0.0034	no
Total Chromium	16	1	6	Ln	Parametric Prediction Limit	1.78	mg/L	**3.84**	**yes**	<0.002	no	0.286	no

BG Background

3.2.1.1 April 2008

The data presented in Table 2 indicate that:

1. Statistically significant concentrations above background exist for total chromium in well MW/RT-2.
2. There are no statistically significant concentrations above background in well MW/RT-4.
3. There are no statistically significant concentrations above background in well MW/RT-5.

The results of the statistical analysis agree with the historical results.

Table 3 - Summary of Statistical Analysis October 2008 Sampling Event													
Parameter	No. BG	Non Detects		Data Transform	Method	Prediction Limit	Units	RT-2		RT-4		RT-5	
		No.	%					Data	Exceed	Data	Exceed	Data	Exceed
1,2,4-TCB	15	6	40	Ln	Nonparametric Prediction Limit	0.0684	mg/L	0.026	no	0.0051	no	0.0022	no
2-methylnaphthalene	7	7	100	none	Nonparametric Prediction Limit		mg/L	**0.0010**	**yes**	<0.0056	no	<0.0053	no
Naphthalene	7	7	100	none	Nonparametric Prediction Limit		mg/L	<0.005	no	<0.0056	no	<0.0053	no
trans-1,2-DCE	15	3	20	none	Parametric Prediction Limit	0.118	mg/L	0.024	no	**0.12**	**yes**	0.0037	no
TCE	16	0	0	Ln	Parametric Prediction Limit	21.9	mg/L	13.0	no	0.50	no	0.33	no
Vinyl Chloride	16	1	6	none	Parametric Prediction Limit	0.35	mg/L	**0.37**	**yes**	**0.52**	**yes**	0.061	no
Arsenic	7	5	71	none	Nonparametric Prediction Limit	0.05	mg/L	0.0116	no	0.0131	no	0.0216	no
Total Chromium	16	1	6	Ln	Parametric Prediction Limit	0.807	mg/L	**3.79**	**yes**	<0.002	no	0.345	no

BG Background

3.2.1.2 September 2008

The data presented in Table 3 indicate that:

4. Statistically significant concentrations above background exist for 2-methylnaphthalene, vinyl chloride, and total chromium in well MW/RT-2.
5. Statistically significant concentrations above background exist for trans-1,2-DCE and vinyl chloride in well MW/RT-4.
6. There are no statistically significant concentrations above background in MW/RT-5.

The results of the statistical analysis agree with the historical results.

3.2.2 QA/QC Results

QA/QC data were collected for groundwater samples during the CY2008 sampling events. The duplicate samples for both the April 2008 and September 2008 sampling events were in close agreement with sample results. Exceptions to this include one constituent of concern value was more than 50% of the Relative Percent Difference (RPD), between the duplicate results. This situation occurred in the April 2008 duplicates for MW-4 and MW-49, and the September 2008 duplicate for MW-23. Toluene is a common laboratory contaminant and was additionally detected at low level concentrations in samples MW-4, MW-6, MW-25, and MW-49 during the CY2008 sampling events. During the October 2008 sampling event, toluene was the only constituent detected in the equipment blanks. All cooler temperature blanks were received at 4° +/- 2° C, with the exception of one cooler that was shipped on 4/25/08 that was received by the lab at 7.7°C. See Table 2 for a summary of the QA/QC results.

3.3 Surface Water Results

The surface water sample analytical results from semi-annual monitoring conducted in CY2008, as well as historical data, are summarized in Tables 13 and 14. The results are presented in order from upstream to downstream sample locations. A brief discussion of the data is presented as follows.

3.3.1 VOCs

TCE concentrations generally have remained consistent or decreased in samples from locations SW-12, SW-17, and SW-19 since the 2003 baseline sampling event. TCE concentrations at location SW-22 have historically been below the detection limit and continued to be below the detection limit in CY2008. TCE detections in the remaining points have been sporadically detected at low concentrations. TCE and Cis-1,2-DCE concentrations were detected at all sampling locations, including the historically non-detect upstream location (SW-22). Detected concentrations of some VOCs at this location were slightly above detection limits during the CY2008 sampling events.. Vinyl chloride was detected at each of the surface water locations. These concentrations have remained stable since the 2003 baseline event. Benzene has not historically been detected in any surface water samples from the Site but was reported at an estimated value in SW-19 CY2007. The upstream location SW-22 has consistently been below detection limits for all VOCs. . Surface water quality criteria are not available for the monitored constituents from MDEQ.

3.3.2 Inorganics

Surface water inorganic data are presented in Table 14, along with historical data. Arsenic and total chromium were reported below the detection limit at all sample locations during the CY2008 sampling. Hexavalent chromium was detected at sampling locations SW-19, SW-9, SW-17, and the duplicate sample from SW-12 during the Spring sampling event in CY2008 . Hexavalent chromium was also detected in the SW-12 Duplicate sample collected during the Spring sampling event in CY2008 . Lead was reported below the detection limits for both the CY2008 events.

As shown on Table 14, MDEQ provides criteria for some of the inorganic constituents monitored during the surface water sampling, Aquatic Life Criteria and Human Health Criteria. These criteria are only available for arsenic, hexavalent chromium, and lead. MDEQ has issued levels for trivalent chromium in surface water; however, since the surface water samples are not directly analyzed for trivalent chromium, those criteria are not included in Table 14. The analytical data in Table 14 show that the human health criteria were not exceeded in any samples. The data also show that the acute and chronic aquatic life criteria have been exceeded at all sample locations during the April 2008 sampling for hexavalent chromium except for the

background location SW-22. Lead concentrations in all of the sampling locations do not exceed the chronic aquatic life criteria for CY2008 sampling events.

3.3.3 QA/QC Results

The QA\QC data collected for the VOC and inorganic samples during the CY2008 surface water sampling events were satisfactory with the exception of SW-22 Duplicate sample for TCE, cis-1,2-DCE, and VC, and for lead concentrations during the October sampling event. The SW-12 duplicate sample had a Hexavalent Chromium concentration beyond QC limits, primarily because the SW-12 sample indicated a Hexavalent Chromium concenration below the detection limit. See Table 15 for a summary of the QC results.

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4. SUMMARY

Based upon the results of the CY2008 corrective measures and post-closure monitoring at the Grenada Manufacturing Site in Grenada, Mississippi, BC offers the following conclusions:

- Samples collected from the groundwater wells across the Site indicate that VOC concentrations generally decreased or have remained stable since the baseline event in 2003.
- The VOC concentrations for samples collected from the four wells installed inside the PRB are much lower than the concentrations detected in the corresponding wells immediately upgradient, and the wells downgradient from the PRB are generally lower than the upgradient locations. These results indicate that the PRB has been effective at reducing concentrations of the constituents of interest downgradient of the PRB. However, some wells downgradient of the PRB have not met the target levels.
- The inorganic results for samples collected from wells upgradient of the PRB appear to be stable compared to the 2003 baseline results and are predominantly below the detection limits. The samples collected from the four wells inside the PRB had no detected chromium concentrations. Except for relatively low-level detections of total chromium in MW-14 and MW-48, the total and hexavalent chromium concentrations from the wells located downgradient of the PRB have either decreased or stayed below detection limits since the baseline sampling event in 2003.
- Site-wide groundwater samples collected during the CY2008 events did not indicate any SVOC exceedences.
- VOC concentrations in the monitoring wells associated with the post-closure of the Equalization Lagoon, when compared to the 2003 baseline event stayed relatively stable; however, MW/RT-2 and MW/RT-3 have shown an increase over this period, but are still lower than historical high concentrations.
- Statistical comparisons indicate that MW/RT-2 and MW/RT-4 have been impacted. These impacts are comparable to historical events.
- TCE, cis-1,2-DCE, and vinyl chloride results from the surface water show a slight increase in concentration. Detection of these COCs is generally just above the detection limit. The Chronic Aquatic Life Criteria have been matched or exceeded for hexavalent chromium at locations SW-12, SW-19, SW-9, SW-17.

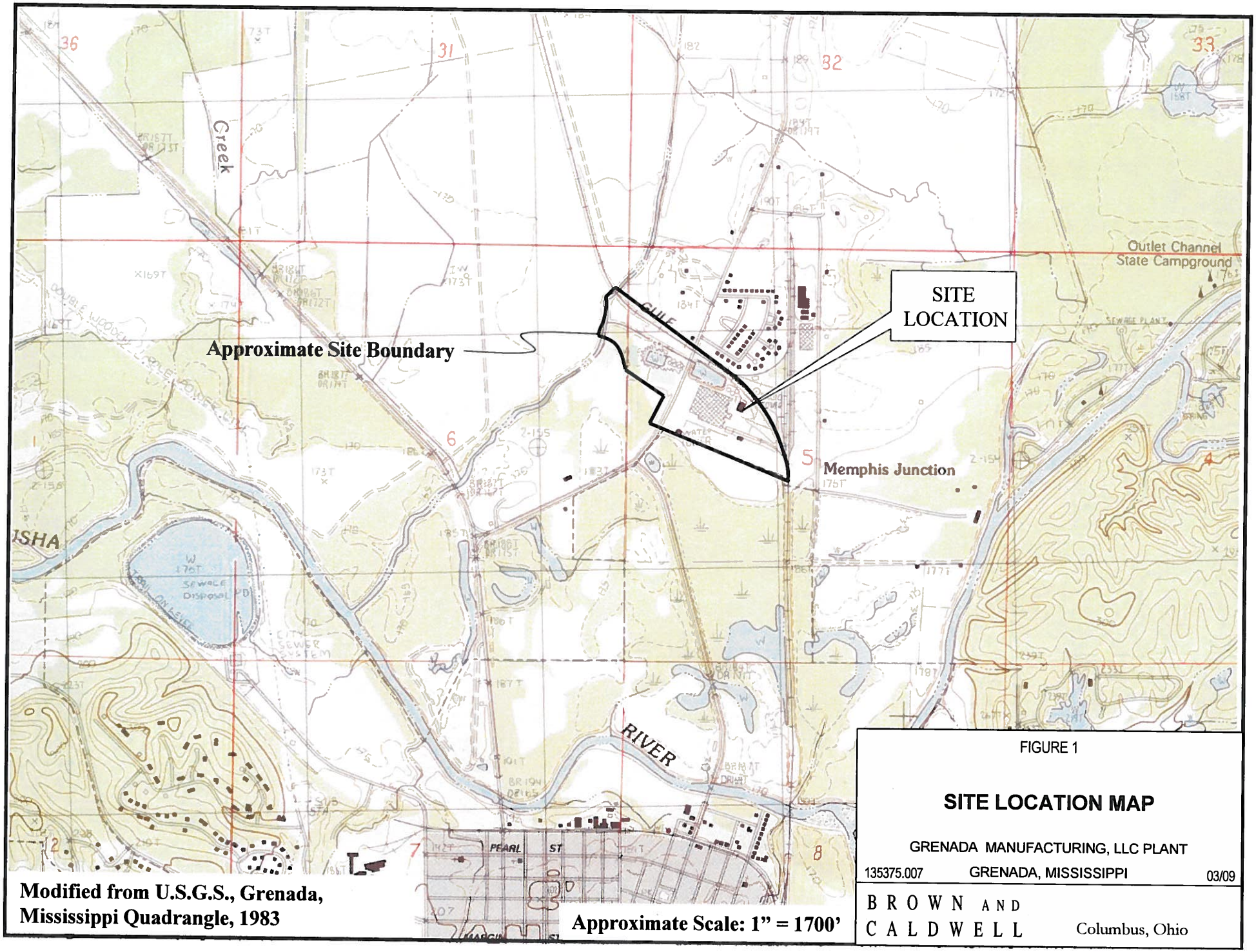

FIGURE 1

SITE LOCATION MAP

GRENADA MANUFACTURING, LLC PLANT

135375.007 GRENADA, MISSISSIPPI 03/09

BROWN AND CALDWELL Columbus, Ohio

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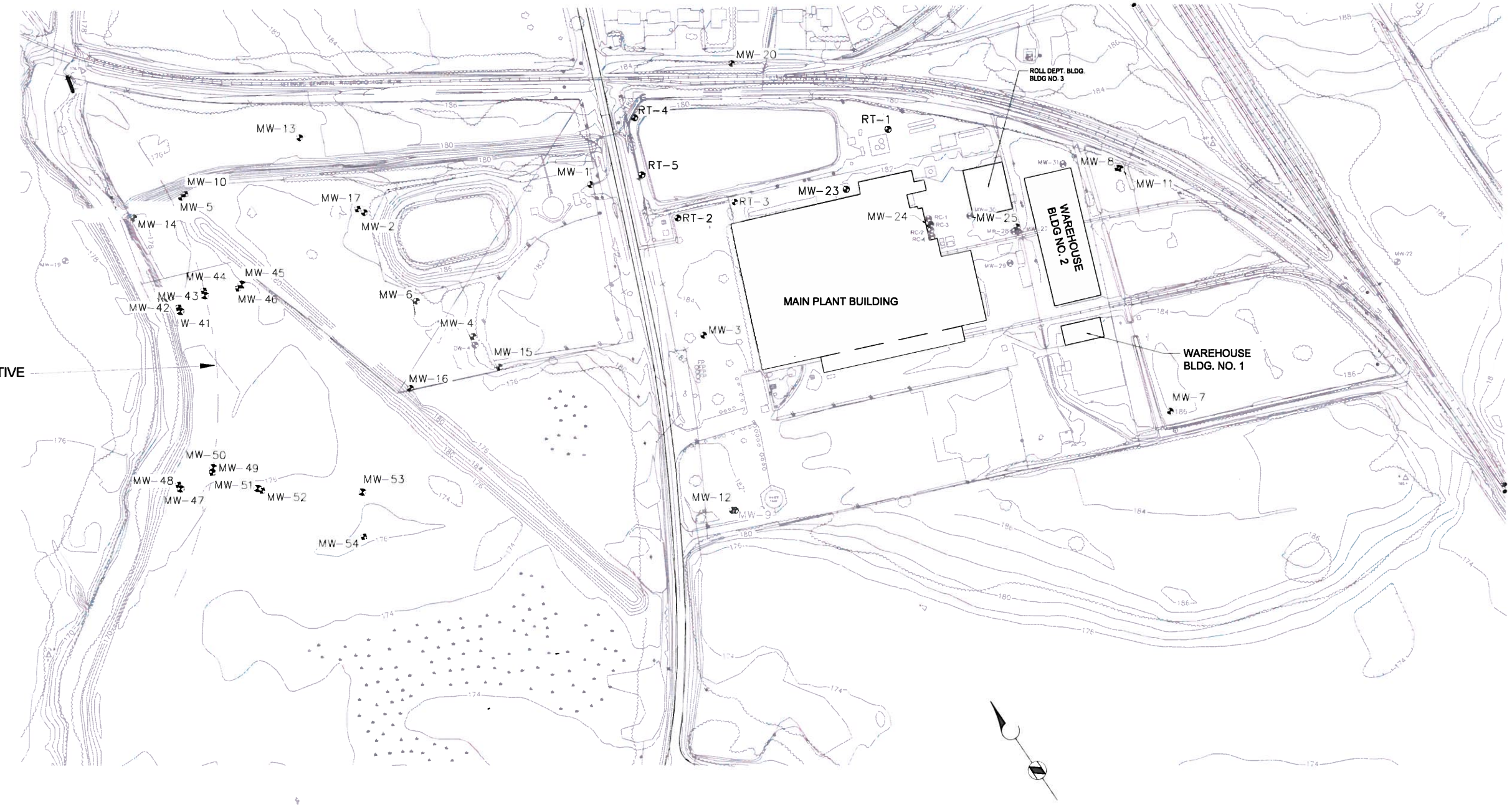


LEGEND

UPPER MOST AQUIFER SHALLOW MONITORING WELL

UPPER MOST AQUIFER DEEP MONITORING WELL

300 0 300 600
SCALE FEET

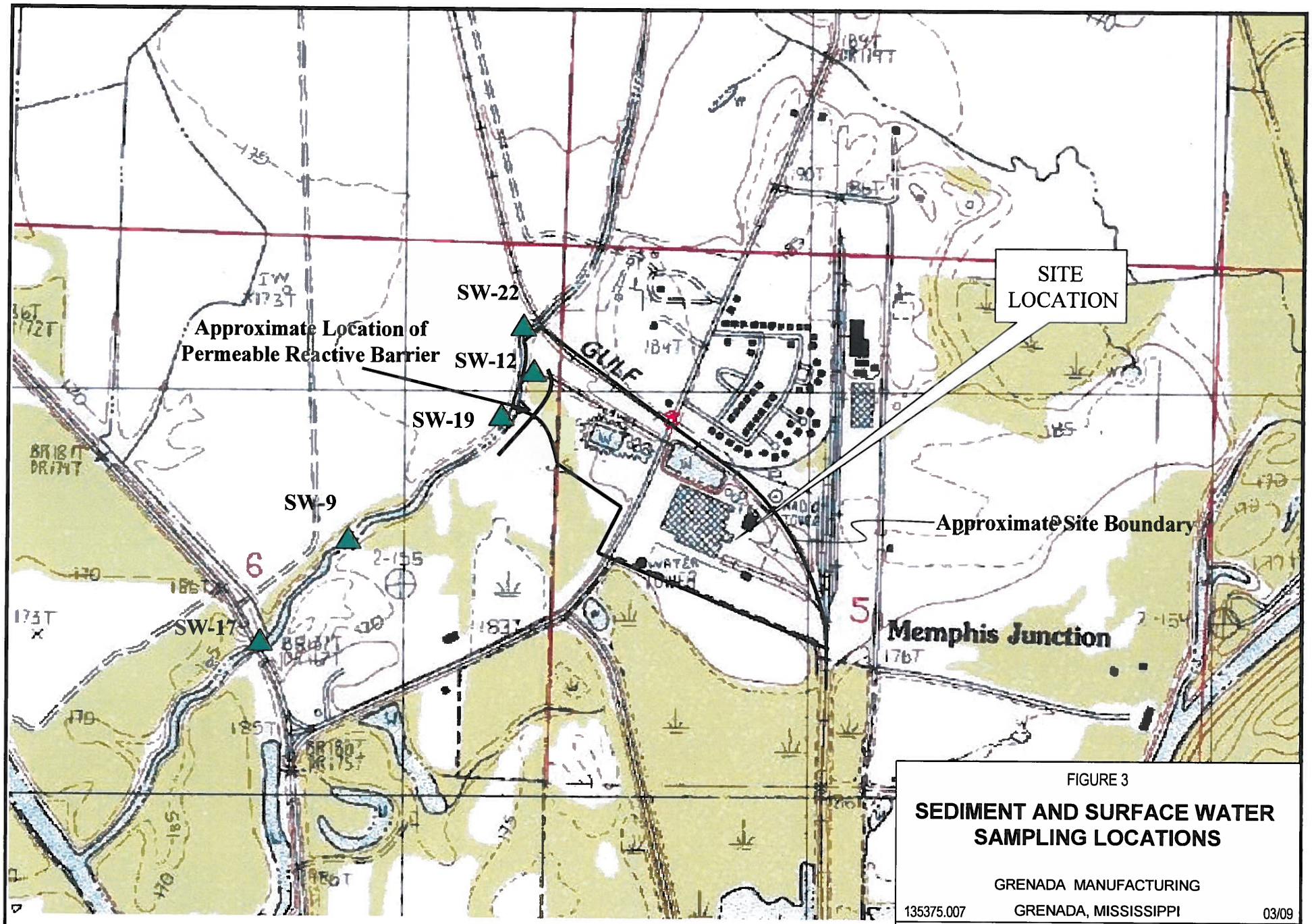
SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993 (UPDATED 2005). WELL LOCATIONS SHOWN ARE APPROXIMATE.

FIGURE 2

GROUNDWATER SAMPLE LOCATIONS

135375.007 ARVINMERITOR, INC GRENADA, MISSISSIPPI 03/09

BROWN AND CALDWELL Columbus, Ohio



Modified from U.S.G.S., Grenada, Mississippi Quadrangle, 1983

Approximate Scale: 1" = 1000'

FIGURE 3

SEDIMENT AND SURFACE WATER SAMPLING LOCATIONS

GRENADA MANUFACTURING

135375.007 GRENADA, MISSISSIPPI 03/09

BROWN AND CALDWELL Columbus, Ohio

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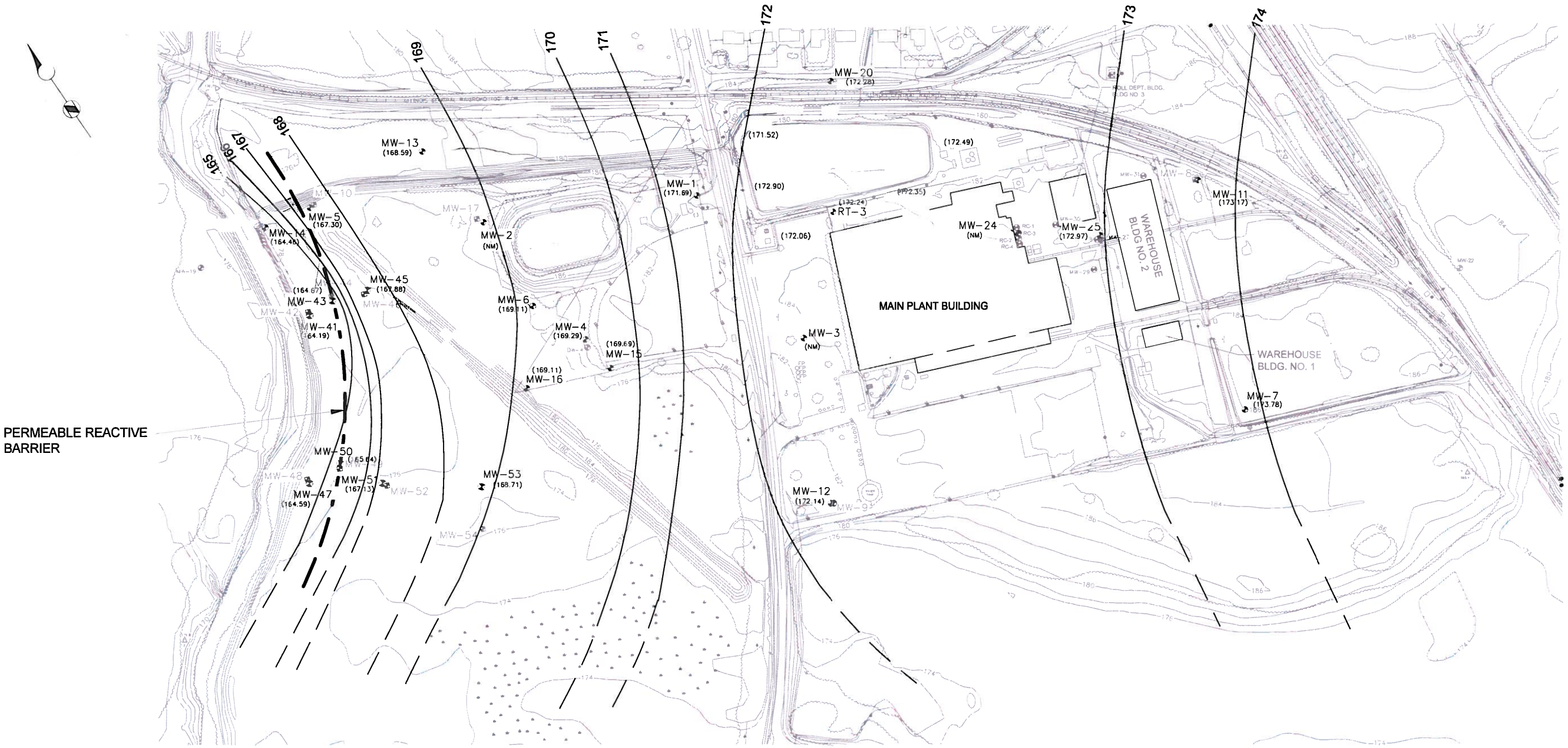

LEGEND

- UPPER MOST AQUIFER SHALLOW MONITORING WELL
- UPPER MOST AQUIFER DEEP MONITORING WELL

NM NOT MEASURED

300 0 300 600
SCALE FEET

SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993 (UPDATED 2005). WELL LOCATIONS SHOWN ARE APPROXIMATE.

FIGURE 4

APRIL 2008
POTENTIOMETRIC SURFACE
UPPER MOST AQUIFER
SHALLOW WELLS

135375.007 ARVINMERITOR, INC GRENADA, MISSISSIPPI 03/09

BROWN AND CALDWELL Columbus, Ohio

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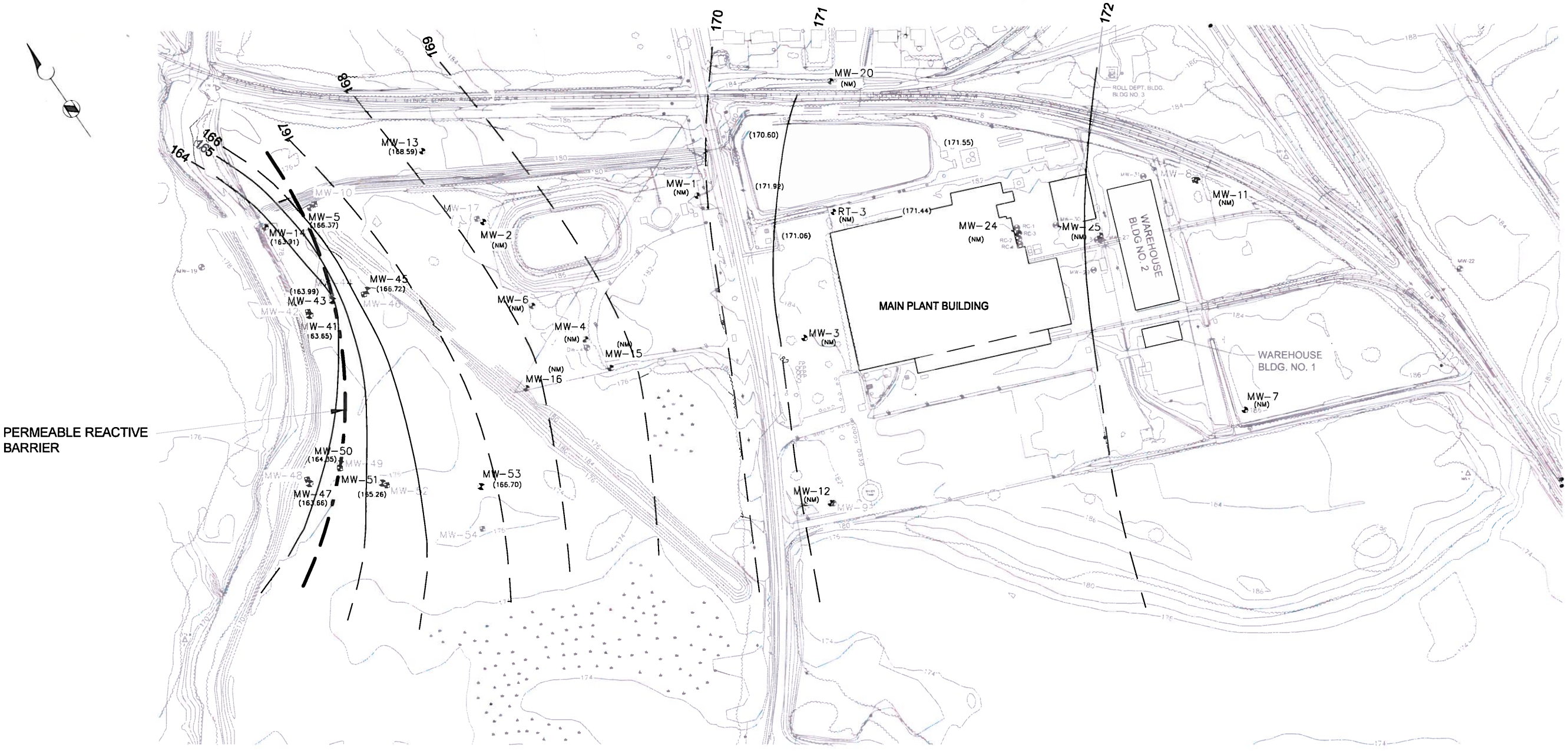

LEGEND

- UPPER MOST AQUIFER SHALLOW MONITORING WELL
- UPPER MOST AQUIFER DEEP MONITORING WELL

NM NOT MEASURED

300 0 300 600
SCALE FEET

SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993 (UPDATED 2005). WELL LOCATIONS SHOWN ARE APPROXIMATE.

FIGURE 5

SEPTEMBER 2008
POTENTIOMETRIC SURFACE
UPPER MOST AQUIFER
SHALLOW WELLS

ARVINMERITOR, INC
GRENADA, MISSISSIPPI

135375.007 03/09

BROWN AND CALDWELL Columbus, Ohio

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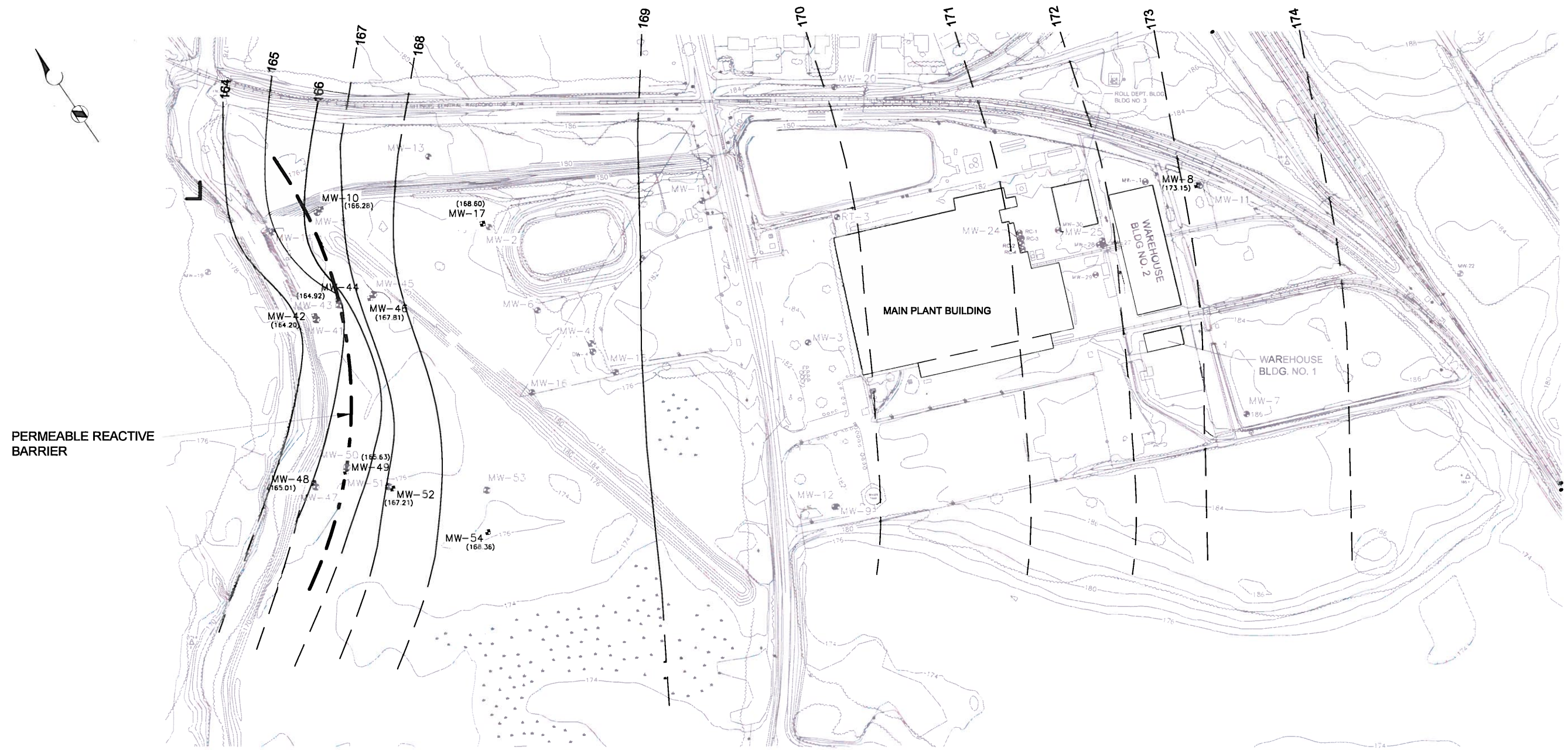
P:\ArvinMeritor\Grenada\Grenada_Monitoring_CY08_(135375)\002 - Plant GWM\2008 Year Report\Final Report\Figures\FIGURE 6.dwg Jul 15, 2009 - 10:24am emcpeek



LEGEND

- UPPER MOST AQUIFER SHALLOW MONITORING WELL
- UPPER MOST AQUIFER DEEP MONITORING WELL

NM NOT MEASURED

300 0 300 600
SCALE FEET

SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993 (UPDATED 2005). WELL LOCATIONS SHOWN ARE APPROXIMATE.

FIGURE 6

APRIL 2008
POTENTIOMETRIC SURFACE
UPPER MOST AQUIFER
DEEP WELLS

ARVINMERITOR, INC
GRENADA, MISSISSIPPI

135375.007 03/09

BROWN AND CALDWELL Columbus, Ohio

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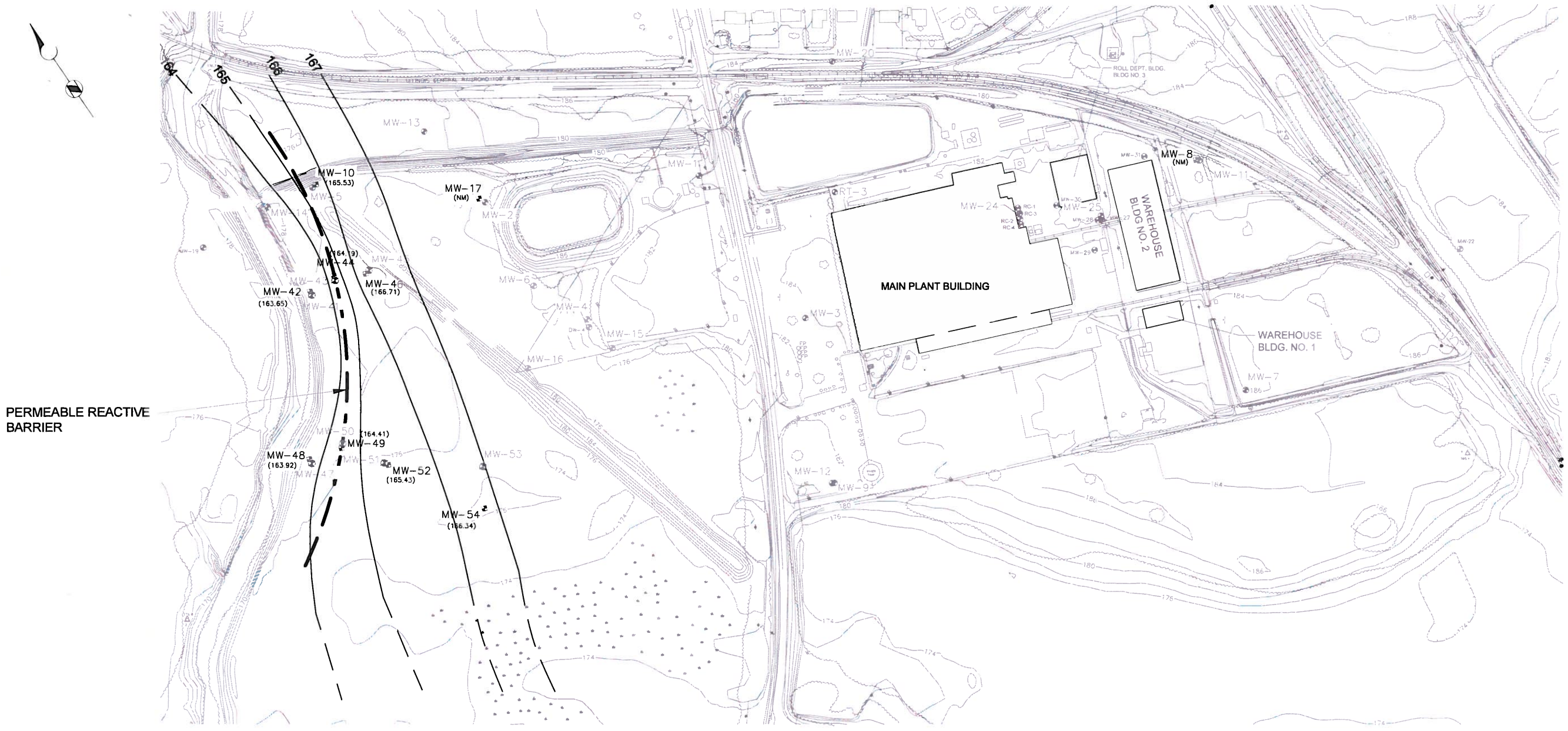
C:\DOCUME~1\emcpeek\LOCALS~1\Temp\AcPublish_3016\FIGURE 7.dwg



LEGEND

- UPPER MOST AQUIFER SHALLOW MONITORING WELL
- UPPER MOST AQUIFER DEEP MONITORING WELL
- NM NOT MEASURED

300 0 300 600
SCALE FEET

SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993 (UPDATED 2005). WELL LOCATIONS SHOWN ARE APPROXIMATE.

FIGURE 7

SEPTEMBER 2008
POTENTIOMETRIC SURFACE
UPPER MOST AQUIFER
DEEP WELLS

ARVINMERITOR, INC
GRENADA, MISSISSIPPI

135375.007 03/09

BROWN AND CALDWELL Columbus, Ohio

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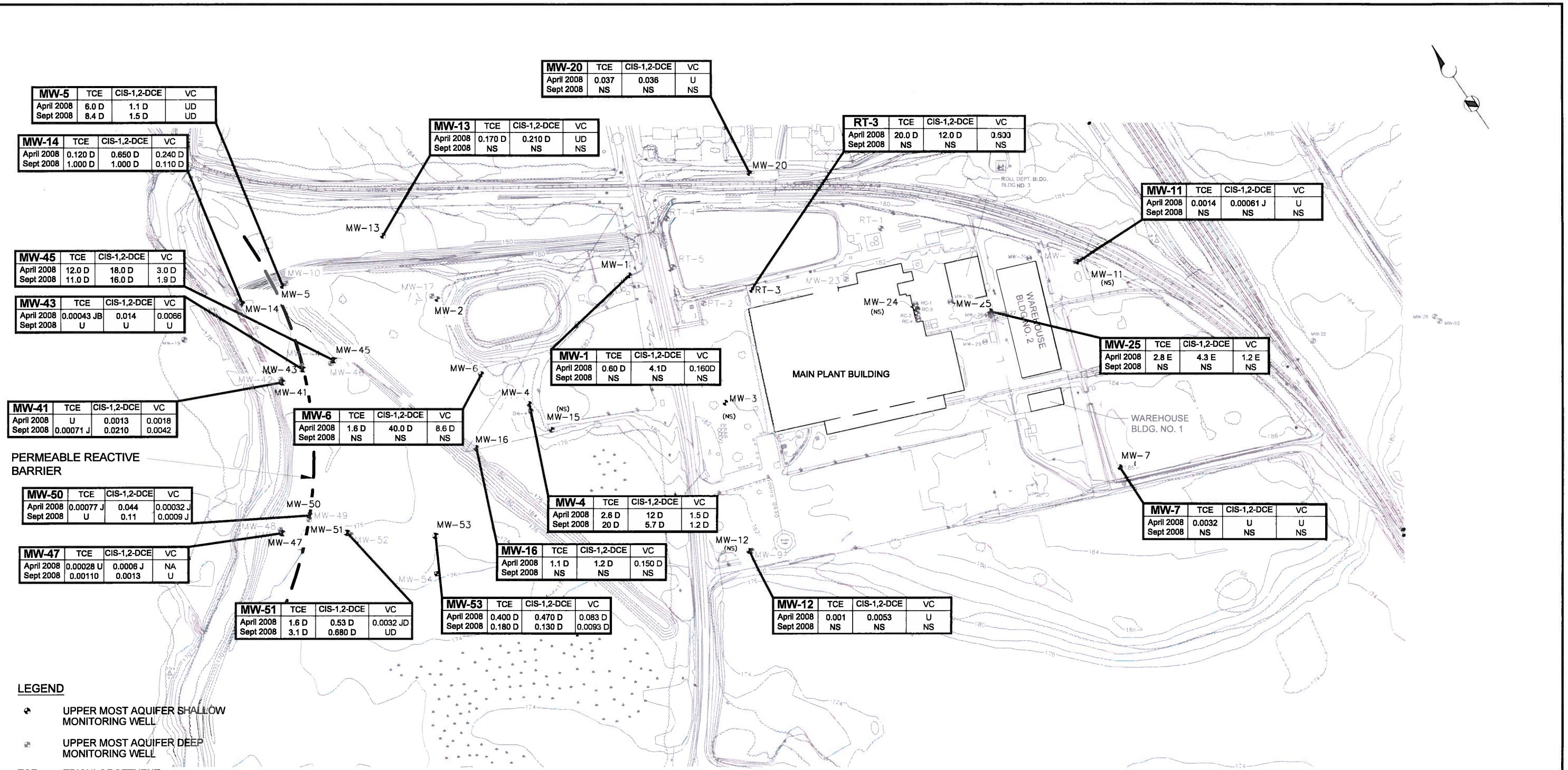

LEGEND

- UPPER MOST AQUIFER SHALLOW MONITORING WELL
- UPPER MOST AQUIFER DEEP MONITORING WELL
- TCE — TRICHLOROETHENE
- CIS-1,2-DCE — CIS-1,2-DICHLOROETHENE
- VC — VINYL CHLORIDE
- NS — NOT SAMPLED
- NA — NOT AVAILABLE OR NOT ANALYZED
- U — BELOW LAB DETECTION LIMIT
- J — RESULTS WERE ESTIMATED
- D — RESULTS FROM DILUTED SAMPLE RUN
- E — EXCEEDS CONC. LEVEL FOR THE STANDARD CURVE
- B — THE CONSTITUENT WAS ALSO DETECTED IN A BLANK

ALL RESULTS REPORTED AS MILLIGRAMS PER LITER (mg/L).

SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993 (UPDATED 2005). WELL LOCATIONS SHOWN ARE APPROXIMATE.

300 0 300 600
SCALE FEET

FIGURE 8

APRIL AND SEPTEMBER 2008
VOC CONCENTRATIONS
UPPER MOST AQUIFER
(SHALLOW WELLS)

ARVINMERITOR, INC
GRENADA, MISSISSIPPI

135375.007 03/09

BROWN AND CALDWELL Columbus, Ohio

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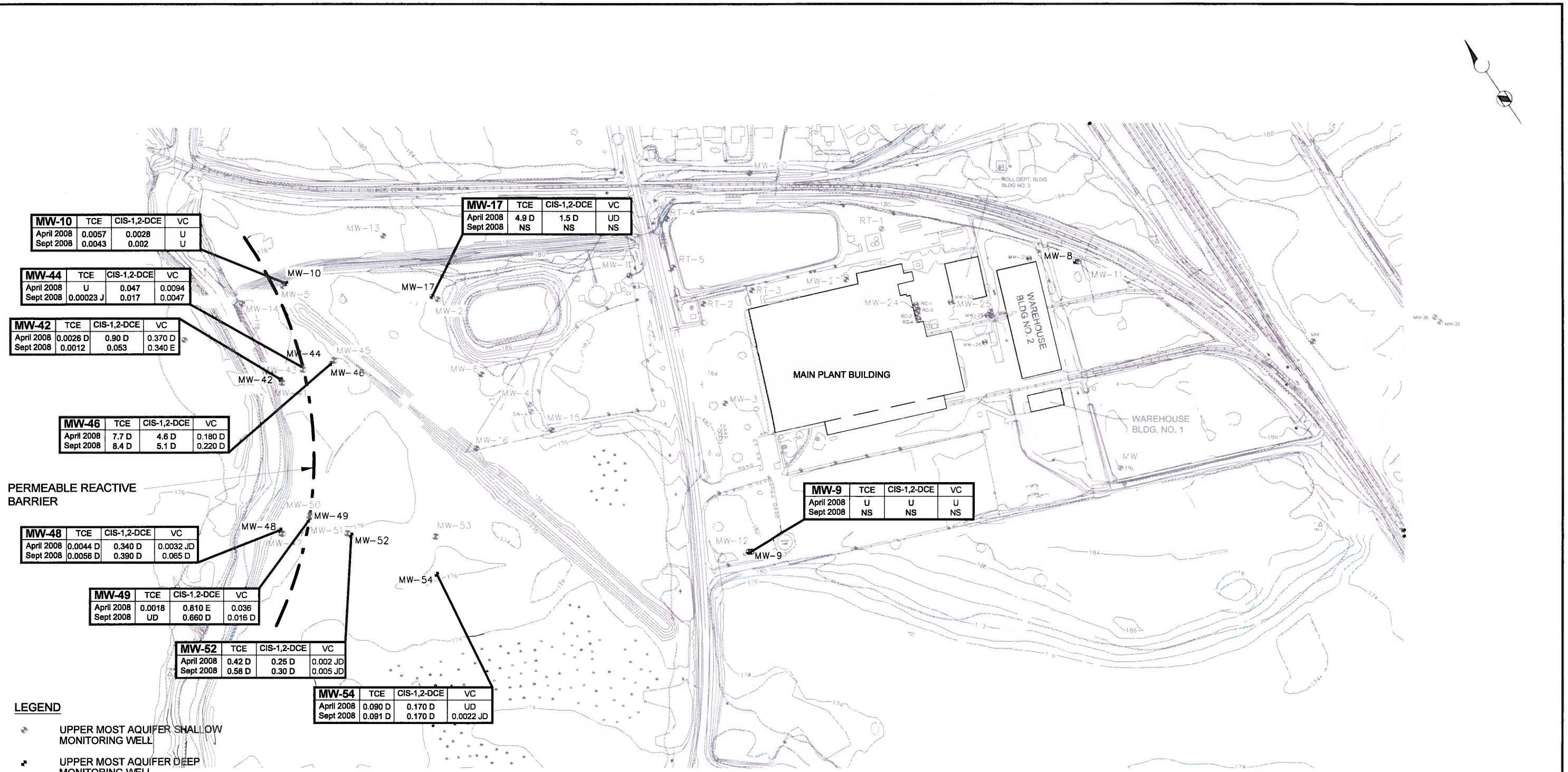

MW-10	TCE	CIS-1,2-DCE	VC
April 2008	0.0057	0.0028	U
Sept 2008	0.0043	0.002	U

MW-17	TCE	CIS-1,2-DCE	VC
April 2008	4.9 D	1.5 D	UD
Sept 2008	NS	NS	NS

MW-44	TCE	CIS-1,2-DCE	VC
April 2008	U	0.047	0.0094
Sept 2008	0.00023 J	0.017	0.0047

MW-42	TCE	CIS-1,2-DCE	VC
April 2008	0.0026 D	0.90 D	0.370 D
Sept 2008	0.0012	0.053	0.340 E

MW-46	TCE	CIS-1,2-DCE	VC
April 2008	7.7 D	4.6 D	0.180 D
Sept 2008	8.4 D	5.1 D	0.220 D

MW-9	TCE	CIS-1,2-DCE	VC
April 2008	U	U	U
Sept 2008	NS	NS	NS

MW-48	TCE	CIS-1,2-DCE	VC
April 2008	0.0044 D	0.340 D	0.0032 JD
Sept 2008	0.0056 D	0.390 D	0.065 D

MW-49	TCE	CIS-1,2-DCE	VC
April 2008	0.0018	0.810 E	0.036
Sept 2008	UD	0.660 D	0.016 D

MW-52	TCE	CIS-1,2-DCE	VC
April 2008	0.42 D	0.25 D	0.002 JD
Sept 2008	0.58 D	0.30 D	0.005 JD

MW-54	TCE	CIS-1,2-DCE	VC
April 2008	0.090 D	0.170 D	UD
Sept 2008	0.091 D	0.170 D	0.0022 JD

LEGEND

- UPPER MOST AQUIFER SHALLOW MONITORING WELL
- UPPER MOST AQUIFER DEEP MONITORING WELL

TCE	TRICHLOROETHENE
CIS-1,2-DCE	CIS-1,2-DICHLOROETHENE
VC	VINYL CHLORIDE
NS	NOT SAMPLED
NA	NOT AVAILABLE OR NOT ANALYZED
U	BELOW LAB DETECTION LIMIT
J	RESULTS WERE ESTIMATED
D	RESULTS FROM DILUTED SAMPLE RUN
E	EXCEEDS CONC. LEVEL FOR THE STANDARD CURVE

ALL RESULTS REPORTED AS MILLIGRAMS PER LITER (mg/L).

SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993 (UPDATED 2005). WELL LOCATIONS SHOWN ARE APPROXIMATE.

300 0 300 600
SCALE FEET

FIGURE 9

APRIL AND SEPTEMBER 2008
VOC CONCENTRATIONS
UPPER MOST AQUIFER
(DEEP WELLS)

135375.007 ARVINMERITOR, INC GRENADA, MISSISSIPPI 03/09

BROWN AND CALDWELL Columbus, Ohio

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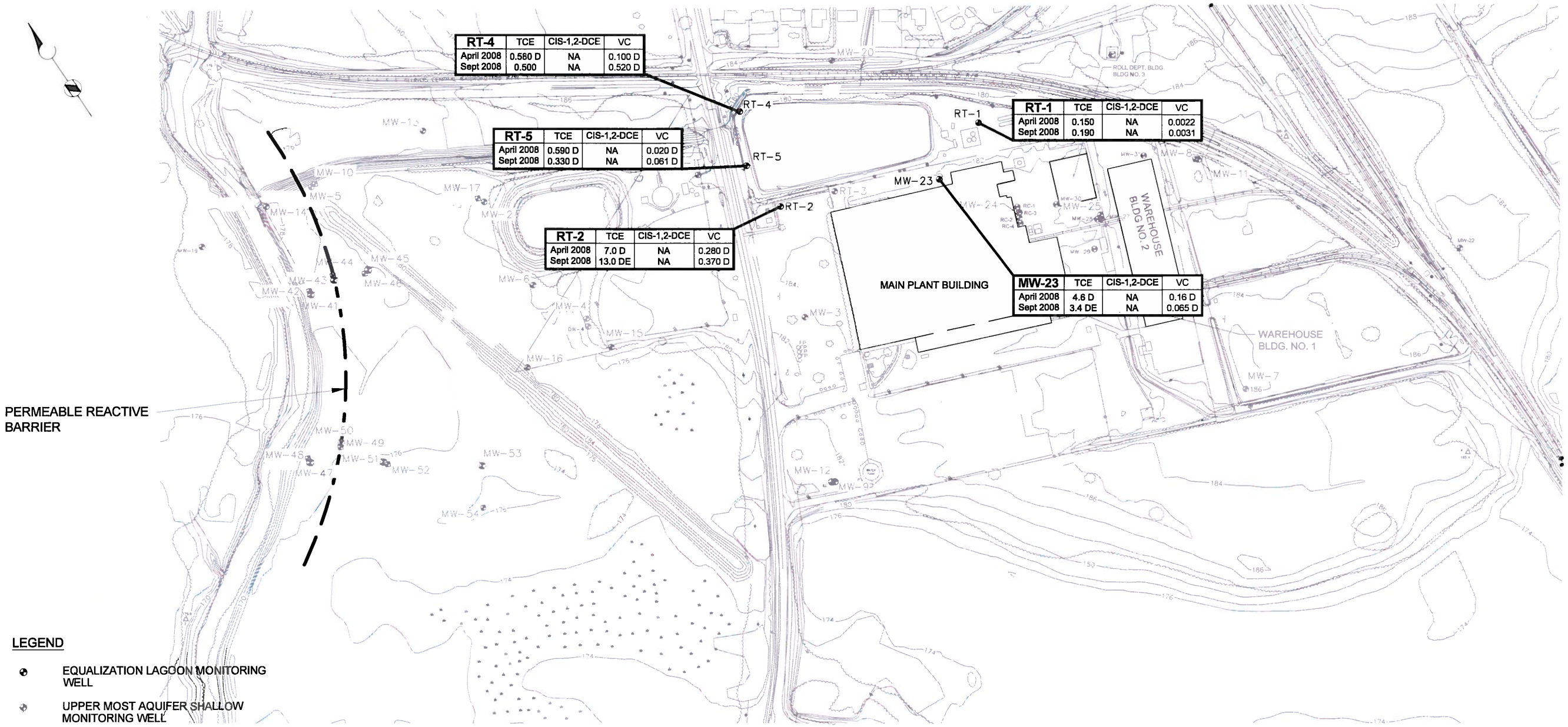

RT-4	TCE	CIS-1,2-DCE	VC
April 2008	0.580 D	NA	0.100 D
Sept 2008	0.500	NA	0.520 D

RT-5	TCE	CIS-1,2-DCE	VC
April 2008	0.590 D	NA	0.020 D
Sept 2008	0.330 D	NA	0.061 D

RT-2	TCE	CIS-1,2-DCE	VC
April 2008	7.0 D	NA	0.280 D
Sept 2008	13.0 DE	NA	0.370 D

RT-1	TCE	CIS-1,2-DCE	VC
April 2008	0.150	NA	0.0022
Sept 2008	0.190	NA	0.0031

MW-23	TCE	CIS-1,2-DCE	VC
April 2008	4.6 D	NA	0.16 D
Sept 2008	3.4 DE	NA	0.065 D

LEGEND

- EQUALIZATION LAGOON MONITORING WELL
- UPPER MOST AQUIFER SHALLOW MONITORING WELL
- UPPER MOST AQUIFER DEEP MONITORING WELL

TCE	TRICHLOROETHENE
CIS-1,2-DCE	CIS-1,2-DICHLOROETHENE
VC	VINYL CHLORIDE
NS	NOT SAMPLED
NA	NOT AVAILABLE OR NOT ANALYZED
U	BELOW LAB DETECTION LIMIT
J	RESULTS WERE ESTIMATED
D	RESULTS FROM DILUTED SAMPLE RUN
E	EXCEEDS CONC. LEVEL FOR THE STANDARD CURVE

ALL RESULTS REPORTED AS MILLIGRAMS PER LITER (mg/L).

SOURCE: MAP PREPARED BY ALMON ASSOCIATES, 1993 (UPDATED 2005). WELL LOCATIONS SHOWN ARE APPROXIMATE.

300 0 300 600
SCALE FEET

FIGURE 10

APRIL AND SEPTEMBER 2008
VOC CONCENTRATIONS
EQUALIZATION LAGOON WELLS

135375.007 ARVINMERITOR, INC GRENADA, MISSISSIPPI 03/09

BROWN AND CALDWELL Columbus, Ohio

Table 4

LIST OF CORRECTIVE MEASURES MONITORING LOCATIONS

Grenada Manufacturing Site
Grenada, Mississippi

SAMPLE LOCATION	FREQUENCY	PARAMETERS	SHALLOW (S) / DEEP (D)
Monitoring Well Location			
MW-1	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-4	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-5	Semi-Annualy	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-6	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-7	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-8	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	D
MW-9	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	D
MW - 10	Semi-Annualy	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	D
MW - 11	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW - 12	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW - 13	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW - 14	Semi-Annualy	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-15	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-16	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-17	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	D
MW-20	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-23	Semi-Annualy	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW-25	Bi-Annually	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S
MW - 41	Semi-Annualy	Inorganics, VOCs, SVOCs, Lab and Field Bioparameters	S

Table 4

LIST OF CONSTITUENTS FOR CORRECTIVE MEASURES MONITORING

Grenada Manufacturing
Grenada, Mississippi

Constituents of Concern

VOCs
Trichloroethene (TCE)
cis-1,2-Dichloroethene (Cis-1,2-DCE)
Vinyl Chloride (VC)
Benzene
1,2-Dichloroethane
1,1,-Dichloroethene
1,1,2-Trichloroethane
Tetrachloroethene (PCE)
Toluene

LABORATORY BIOPARAMETERS [a]
Ammonia[a]
Phosphorous[a] (Total)
TKN[a]
Chloride[a]
Iron[a] (Total)
Manganese[a] (Total)
Nitrate[a]/Nitrite[a]
Sulfate[a]
Ethane[a]
Ethene[a]
Methane[a]
Alkalinity[a] (carbonate/bicarbonate)
Dissolved Total Organic Carbon[a] (TOC)
Volatile Fatty Acids[a]

METALS
Arsenic
Chromium (hexavalent and total)
Lead
Selenium[a]

SVOCs [b]
Bis(2-ethyl-hexyl)Phthalate

FIELD BIOPARAMETERS
Temperature
Dissolved Oxygen
Manganese[a]
Iron[a]
Carbon Dioxide[a]
Hydrogen Sulfide[a]
pH
Oxidation-Reduction Potential (ORP)[a]
Specific Conductivity

---

[a]Only groundwater samples were analyzed for these parameters.

Table 5

LIST OF POST CLOSURE MONITORING LOCATIONS

Grenada Manufacturing Site
Grenada, Mississippi

SAMPLE LOCATION	FREQUENCY	PARAMETERS	SHALLOW (S) / DEEP (D)
Equalization Lagoon Monitoring Well Locations			
MWRT-2	**Semi-Annually**	Inorganics, VOCs, SVOCs	S
MWRT-4	**Semi-Annually**	Inorganics, VOCs, SVOCs	S
MWRT-5	**Semi-Annually**	Inorganics, VOCs, SVOCs	S
MW-23	**Semi-Annually**	Inorganics, VOCs, SVOCs	
Chrome Plating Line Monitoring Well Locations			
MW-23	**Semi-Annually**	Inorganics	S
MW-24	**Semi-Annually**	Inorganics	S

Refer to Table 2-3 for a list of specific constituents.

Table 6

LIST OF CONSTITUENTS FOR CORRECTIVE MEASURES MONITORING

Grenada Manufacturing
Grenada, Mississippi

Constituents of Concern

VOCs
Trichloroethene (TCE)
cis-1,2-Dichloroethene (Cis-1,2-DCE)
Vinyl Chloride (VC)
Benzene
1,2-Dichloroethane
1,1,-Dichloroethene
1,1,2-Trichloroethane
Tetrachloroethene (PCE)
Toluene

LABORATORY BIOPARAMETERS [a]
Ammonia[a]
Phosphorous[a] (Total)
TKN[a]
Chloride[a]
Iron[a] (Total)
Manganese[a] (Total)
Nitrate[a]/Nitrite[a]
Sulfate[a]
Ethane[a]
Ethene[a]
Methane[a]
Alkalinity[a] (carbonate/bicarbonate)
Dissolved Total Organic Carbon[a] (TOC)
Volatile Fatty Acids[a]

METALS
Arsenic
Chromium (hexavalent and total)
Lead
Selenium[a]

SVOCs [b]
Bis(2-ethyl-hexyl)Phthalate

FIELD BIOPARAMETERS
Temperature
Dissolved Oxygen
Manganese[a]
Iron[a]
Carbon Dioxide[a]
Hydrogen Sulfide[a]
pH
Oxidation-Reduction Potential (ORP)[a]
Specific Conductivity

---

[a]Only groundwater samples were analyzed for these parameters.

Table 7

LIST OF CONSTITUENTS FOR POST-CLOSURE MONITORING

Grenada Manufacturing
Grenada, Mississippi

Constituents of Concern

VOCs

Trichloroethene (TCE)
Vinyl Chloride (VC)
Benzene
1,1,-Dichloroethene
1,1,2-Trichloroethane
Tetrachloroethene (PCE)
Toluene
Chloroethane
Methylene chloride
Acetone
Carbon Disulfide
1,1-Dichloroethane
Trans-1,2-Dichloroethene
1,1,1-Trichloroethane
1,2-Dichloropropane
Ethlbenzene
Xylenes (total)

METALS

Arsenic
Chromium (total [a] and dissolved [b])
Hexavalent Chromium [b] (total and dissolved)
Lead
Selenium

SVOCs

Bis(2-ethyl-hexyl)Phthalate
1,2,4-Trichlorobenzene
Naphthalene
2-Methylnaphthalene
Pentachlorophenol
1,2,4,5-Tetrachlorobenzene [b]

FIELD PARAMETERS

Temperature[a]
pH[a]
Specific Conductivity[a]

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[a]Consituent also included for Chrome Plating Line Area Monitoring
[b]Consituent ONLY for Chrome Plating Line Area Monitoring

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL*		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6*		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
MW-1	Aug. '91	Upper	7.70	NA	3.8 JE	0.012 J	0.0019 J	0.33 JE	0.14 J	0.007 J	0.0012 J
MW-1	Dec. '91		7.9 D	NA	4.9 D	UD	UD	UD	UD	UD	UD
MW-1	Jan. '93		4.9 D	NA	4.6 D	UD	UD	UD	UD	UD	UD
MW-1	Oct. '98		UD	62 D	1.2 D	UD	UD	UD	UD	UD	UD
MW-1	Oct. '00		6.1 D	20 D	1.5 D	UD	UD	0.099 JD	UD	UD	UD
MW-1	Nov. '03		3.1 D	31 D	1.2 D	UD	UD	UD	UD	UD	UD
MW-1	Mar. '06		0.39 D	9.3 D	UD	UD	UD	UD	UD	UD	UD
MW-1	**Apr. '08**		**0.60 D**	**4.1 D**	**0.160 D**	**0.007 UD**	**0.0075 UD**	**0.021 UD**	**0.009 UD**	**0.0085 UD**	**0.0055 UD**
MW-2	Aug. '91	Upper	480 JD	NA	18 JE	0.074 J	0.011 J	2.5 JE	2.8 JE	0.16 J	U
MW-2	Dec. '91		690 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-2	Jan. '93		560 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-2	Oct. '98		650 D	170 D	6.6 D	0.08 JD	UD	0.25 JD	2.2 D	UD	UD
MW-3	Aug. '91	Upper	0.29 JD	NA	U	0.0047 J	U	0.0067 J	0.0007 J	U	0.0005 J
MW-3	Dec. '91		3 D	NA	UD	0.01 D	UD	UD	UD	UD	UD
MW-3	Jan. '93		1.2 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-3	Mar. '06		0.076 D	0.23 D	UD	UD	UD	UD	UD	UD	UD
MW-4	Aug. '91	Upper	3.5 JDX	NA	6.5 JD	U	0.0033 J	0.049	0.1	0.0032 J	0.0022 J
MW-4	Dec. '91		3.9 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-4	Jan. '93		2.9 D	NA	5.9 D	UD	UD	UD	UD	UD	UD
MW-4	Oct. '98		3.7 D	16 D	3.2 D	0.0055 J	U	0.036	0.082	U	0.0028 J
MW-4	Oct. '00		3.3 D	24 D	3.3 D	UD	UD	UD	0.07 JD	UD	UD
MW-4	Nov. '03		2.9 D	17 D	4.1 D	UD	UD	UD	0.063 JD	UD	UD
MW-4	Mar. '06		3.6 D	17 D	2.5 D	UD	UD	UD	UD	UD	UD
MW-4	**Apr. '08**		**2.6 D**	**12.0 D**	**1.5 D**	**0.014 UD**	**0.015 UD**	**0.042 UD**	**0.052 JD**	**0.017 UD**	**0.011 UD**
MW-4 DUP (425)	**Apr. '08**		**2.9 D**	**13.0 D**	**0.490 D**	**0.014 UD**	**0.015 UD**	**0.042 UD**	**0.06 JD**	**0.017 UD**	**0.011 UD**
MW-4	Oct. '98		20 D	5.7 D	1.2 D	0.054	0.044	0.037	U	U	0.0092 J
MW-5	Aug. '91	Upper	1.5 JD	NA	U	0.0018 J	U	U	0.029	0.008 J	U
MW-5	Dec. '91		1.2 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-5	Jan. '93		15 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-5	Oct. '98		100 D	37 D	0.2 JD	UD	UD	UD	UD	UD	UD
MW-5 Dupe	Oct. '98		99 D	36 D	0.2 JD	UD	UD	UD	UD	UD	UD
MW-5	Oct. '00		69 D	45 D	UD	UD	UD	UD	UD	UD	UD
MW-5	Nov. '03		0.6 D	0.42 D	UD	UD	UD	UD	UD	UD	UD
MW-5	May '04		1.5 D	1 D	UD	UD	UD	UD	UD	UD	UD
MW-5	Mar. '05		30 D	8.2 D	UD	UD	UD	UD	UD	UD	UD
MW-5	Nov. '05		0.82 D	0.25 D	UD	UD	UD	UD	UD	UD	UD
MW-5	Mar. '06		0.93 D	0.22 D	UD	UD	UD	UD	UD	UD	UD
MW-5	Oct. '06		0.81 D	0.23 D	UD	UD	UD	UD	UD	UD	UD
MW-5	Apr. '07		1.3 D	0.32 D	UD	UD	UD	UD	UD	UD	UD
MW-5	Oct. '07		3.2 D	0.59 D	0.0049 JD	0.00085 JD	UD	0.0014 JD	UD	0.0007 JD	UD
MW-5	**Apr. '08**		**6.0 D**	**1.1 D**	**0.0078 UD**	**0.0056 UD**	**0.0060 UD**	**0.017 UD**	**0.0072 UD**	**0.0068 UD**	**0.0044 UD**
MW-5	**Sept. '08**		**8.4 D**	**1.5 D**	**0.01 UD**	**0.005 UD**	**0.0065 UD**	**0.0065 UD**	**0.008 UD**	**0.005 UD**	**0.006 UD**

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL[1]		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6[1]		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
MW-6	Aug. '91	Upper	9 JD	NA	24 JD	0.027	0.012	0.12	1.1 JD	0.019	0.0017 J
MW-6	Dec. '91		2.7 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-6	Jan. '93		9.8 D	NA	62 D	UD	UD	UD	0.81 JD	UD	UD
MW-6	Oct. '98		2.9 D	20 D	18 D	U	U	0.032	0.16	U	0.0015 J
MW-6	Oct. '00		3.5 D	3.2 D	1.2 D	0.025 D	U	0.012 JD	0.0068 JD	U	U
MW-6	Nov. '03		0.87 D	12 D	28 D	UD	UD	UD	0.16 JD	UD	UD
MW-6	Mar. '06		1.6 D	17 D	13 D	UD	UD	UD	0.12 D	UD	UD
MW-6	**Apr. '08**		**0.45 D**	**40.0 D**	**8.6 D**	**0.056 UD**	**0.060 UD**	**0.170 UD**	**0.480 D**	**0.068 UD**	**0.044 UD**
MW-7	Aug. '91	Upper	0.019 J	NA	U	U	U	U	U	U	U
MW-7 DUP	Aug. '91		0.014 J	NA	U	U	U	U	U	U	U
MW-7	Dec. '91		0.015	NA	U	U	U	U	U	U	U
MW-7	Jan. '93		0.0078 J	NA	U	U	U	U	U	U	U
MW-7	Oct. '00		0.05	0.0061	U	U	U	U	U	U	U
MW-7	Nov. '03		0.014	0.00078 J	U	U	U	U	U	U	U
MW-7	Mar. '06		0.0012	U	U	U	U	U	U	U	U
MW-7	**Apr. '08**		**0.0032**	**0.00044 U**	**0.00019 U**	**0.00014 U**	**0.00015 U**	**0.00042 U**	**0.00018 U**	**0.00017 U**	**0.00011 U**
MW-8	Dec. '91	Lower	0.42 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-8	Jan. '93		0.3 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-8	Oct. '00		0.12	0.0032 J	U	U	U	U	U	U	U
MW-8	Nov. '03		0.11	0.0038	U	U	U	U	U	U	U
MW-8	Mar. '06		0.095	0.0032	U	U	U	U	U	U	U
MW-8	**Apr. '08**		**0.061**	**0.0023**	**0.00019 U**	**0.00014 U**	**0.00015 U**	**0.00042 U**	**0.00018 U**	**0.00017 U**	**0.00011 U**
MW-9	Dec. '91	Lower	U	NA	U	U	U	U	U	U	U
MW-9	Jan. '93		U	NA	U	U	U	U	U	U	U
MW-9 DUP	Jan. '93		U	NA	U	U	U	U	U	U	U
MW-9	Nov. '03		U	U	U	U	U	U	U	U	U
MW-9	Mar. '06		U	U	U	U	U	U	U	U	U
MW-9	**Apr. '08**		**0.00028 U**	**0.00044 U**	**0.00019 U**	**0.00014 U**	**0.00015 U**	**0.00042 U**	**0.00018 U**	**0.00017 U**	**0.00011 U**
MW-10	Aug. '91	Lower	0.0051 J	NA	U	U	U	U	U	U	U
MW-10	Jan. '93		0.0023 J	NA	U	U	U	U	U	U	U
MW-10	Oct. '98		0.0065 JD	UD	UD	UD	UD	UD	UD	UD	UD
MW-10	Oct. '00		0.0043 J	U	U	U	U	U	U	U	U
MW-10	Nov. '03		0.0033	U	U	U	U	U	U	U	U
MW-10	Mar. '05		0.0049	0.0014	U	U	U	U	U	U	U
MW-10	Nov. '05		0.0039	0.0013	U	U	U	U	U	U	U
MW-10	Mar. '06		0.0028	U	U	U	U	U	U	U	U
MW-10	Oct. '06		0.0037	0.0014	U	U	U	U	U	U	U
MW-10	Apr. '07		0.0023	0.00095 J	U	U	U	U	U	U	U
MW-10	Oct. '07		0.0031	0.0013	U	U	U	U	U	U	U
MW-10	**Apr. '08**		**0.0057**	**0.0028**	**0.00019 U**	**0.00014 U**	**0.00015 U**	**0.00042 U**	**0.00018 U**	**0.00017 U**	**0.00011 U**
MW-10	**Sept. '08**		**0.0043**	**0.002**	**0.0002 U**	**0.0001 U**	**0.00013 U**	**0.00013 U**	**0.0005 J**	**0.0001 U**	**0.00012 U**
MW-11	Dec. '91	Upper	0.072	NA	U	U	U	U	U	U	U
MW-11	Jan. '93		0.025	NA	U	U	U	U	U	U	U
MW-11	Oct. '00		1.4 D	0.038 D	UD	UD	UD	UD	UD	UD	UD
MW-11	Nov. '03		0.013	0.00047 J	U	U	U	U	U	U	U
MW-11	Mar. '06		0.011	0.00560	U	U	U	U	U	U	U
MW-11	**Apr. '08**		**0.0014**	**0.00061 J**	**0.00019 U**	**0.00014 U**	**0.00015 U**	**0.00042 U**	**0.00018 U**	**0.00017 U**	**0.00011 U**

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL*		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6†		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
MW-12	Dec. '91	Upper	U	NA	U	U	U	U	U	U	U
MW-12	Jan. '93		0.0075 J	NA	U	U	U	U	U	U	U
MW-12	Oct. '98		0.022	0.19	U	U	U	U	U	U	U
MW-12	Oct. '00		0.062	0.11	U	U	U	U	U	U	U
MW-12	Nov. '03		0.004	0.031	U	U	U	U	U	U	U
MW-12 Dup	Nov. '03		0.0043	0.032	U	U	U	U	U	U	U
MW-12	Mar. '06		0.0087	0.029	U	U	U	U	U	U	U
MW-12	**Apr. '08**		**0.001**	**0.0053**	**0.00019 U**	**0.00014 U**	**0.00015 U**	**0.00042 U**	**0.00018 U**	**0.00017 U**	**0.00011 U**
MW-13	Dec. '91	Upper	U	NA	U	U	U	U	U	U	U
MW-13	Jan. '93		U	NA	U	U	U	U	U	U	U
MW-13	Oct. '00		U	U	U	U	U	U	U	U	U
MW-13	Nov. '03		U	U	U	U	U	U	U	U	U
MW-13	Mar. '06		0.034	0.04	U	U	U	U	U	U	U
MW-13	**Apr. '08**		**0.170 D**	**0.210 D**	**0.00038 UD**	**0.00028 UD**	**0.0003 UD**	**0.00084 UD**	**0.00038 UD**	**0.00034 UD**	**0.00022 UD**
MW-14	Dec. '91	Upper	0.38 D	NA	U	U	U	U	U	U	U
MW-14	Jan. '93		0.33 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-14	Oct. '98		1.2 D	0.5 D	UD	UD	UD	UD	UD	UD	UD
MW-14	Oct. '00		4.8 D	2.4 D	UD	UD	UD	UD	UD	UD	UD
MW-14	Nov. '03		0.45 D	0.19 D	UD	UD	UD	UD	UD	UD	UD
MW-14	Mar. '05		0.016 JD	4.8 D	0.25 D	UD	UD	UD	UD	UD	UD
MW-14	Nov. '05		0.0018	0.15	0.10	U	U	U	U	U	U
MW-14	Mar. '06		0.0039	0.018	0.0047	U	U	U	U	U	0.0011
MW-14	Oct. '06		0.016	0.2	0.12	U	U	U	U	U	U
MW-14	Apr. '07		0.0016	0.0066	0.0058	U	U	U	0.00021 J	U	0.00061 J
MW-14	Oct. '07		0.0024 D	0.64 D	0.42 D	UD	UD	0.002 D	UD	UD	0.0003 JD
MW-14 Dup (MW-63)	Oct. '07		0.038 D	0.66 D	0.42 D	UD	UD	0.0021 JD	UD	UD	UD
MW-14	**Apr. '08**		**0.120 D**	**0.650 D**	**0.240 D**	**0.0007 UD**	**0.00075 UD**	**0.0025 JD**	**0.0009 UD**	**0.00085 UD**	**0.00055 UD**
MW-14	**Sept. '08**		**1.000 D**	**1.000 D**	**0.110 D**	**0.001 UD**	**0.0013 UD**	**0.0062 JD**	**0.0016 UD**	**0.001 UD**	**0.0012 UD**
MW-15	Dec. '91	Upper	3.5 D	NA	5.6 D	UD	UD	UD	UD	UD	UD
MW-15	Jan. '93		3.3 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-15	Oct. '98		5.2 D	2.3 D	0.0078 J	0.012	U	0.01	U	U	U
MW-15	Oct. '00		3.4 D	1.8 D	UD	UD	UD	UD	UD	UD	UD
MW-15	Nov. '03		2.5 D	3.4 D	0.1 D	UD	UD	UD	UD	UD	UD
MW-15	Mar. '06		1.2 D	1.4 D	UD	UD	UD	UD	UD	UD	UD
MW-16	Dec. '91	Upper	7.1 JD	NA	55 D	UD	UD	UD	UD	UD	UD
MW-16	Jan. '93		5.5 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-16	Oct. '98		2.8 D	3.7 D	0.36	0.0061 J	U	0.012	U	U	U
MW-16	Oct. '00		3.8 D	4 D	0.49 D	UD	UD	0.014 JD	UD	UD	UD
MW-16 DUP	Oct. '00		4.4 D	4.3 D	0.54 D	UD	UD	UD	UD	UD	UD
MW-16	Nov. '03		2.3 D	3 D	0.41 D	UD	UD	UD	UD	UD	UD
MW-16	Mar. '06		2.1 D	2.5 D	0.25 D	UD	UD	UD	UD	UD	UD
MW-16	**Apr. '08**		**1.1 D**	**1.2 D**	**0.150 D**	**0.0015 JD**	**0.0015 UD**	**0.0052 UD**	**0.0018 UD**	**0.0017 UD**	**0.0011 UD**
MW-17	Jan. '93	Lower	11 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-17	Feb. '93		12 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-17 DUP	Feb. '93		11 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-17	Oct. '98		13 D	2.8 D	0.31 JD	UD	UD	UD	UD	UD	UD
MW-17	Oct. '00		9 D	1.9 D	0.14 JD	UD	UD	UD	UD	UD	UD
MW-17	Nov. '03		8.3 D	2.3 D	0.23 D	UD	UD	UD	UD	UD	UD
MW-17 DUP	Nov. '03		8.7 D	2.3 D	0.21 D	UD	UD	UD	UD	UD	UD
MW-17	Mar. '06		8.5 D	2.1 D	UD	UD	UD	UD	UD	UD	UD
MW-17 DUP (MW-B)	Mar. '06		8.2 D	2.1 D	UD	UD	UD	UD	UD	UD	UD
MW-17	**Apr. '08**		**4.9 D**	**1.5 D**	**0.0095 UD**	**0.007 UD**	**0.0075 UD**	**0.021 UD**	**0.009 UD**	**0.0085 UD**	**0.0055 UD**

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL[a]		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6[b]		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
MW-19	Jan. '93	Lower	U	NA	U	U	U	U	U	U	U
MW-19	Feb. '93		U	NA	U	U	U	U	U	U	U
MW-20	Jan. '93	Upper	0.018	NA	U	U	U	U	U	U	U
MW-20	Feb. '93		0.024	NA	U	U	U	U	U	U	U
MW-20	Nov. '03		0.066	0.079	0.00051 J	U	U	U	U	U	U
MW-20	Mar. '06		0.034	0.033	U	U	U	U	U	U	U
MW-20	**Apr. '08**		**0.037**	**0.036**	**0.00019 U**	**0.00014 U**	**0.00015 U**	**0.00042 U**	**0.00018 U**	**0.00018 U**	**0.00011 U**
MW-21	Jan. '93	Upper	0.015	NA	U	U	U	U	U	U	U
MW-21	Feb. '93		0.0034 J	NA	U	U	U	U	U	U	U
MW-23	Jan. '93	Upper	9 D	NA	U	0.0025 J	U	0.0096 J	U	U	U
MW-23	Feb. '93		6.4 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-23	Oct. '98		0.2 D	0.095 D	0.011 JD	UD	UD	UD	UD	UD	UD
MW-23	Oct. '00		11 D	5 D	0.31 D	0.005 JD	U	0.059 D	UD	UD	UD
MW-23	Nov. '03		1.6 D	1.8 D	0.2 D	UD	UD	0.025 D	UD	UD	UD
MW-23	Mar. '06		5.5 D	2.5 D	0.21 D	UD	UD	UD	UD	UD	UD
MW-23	Oct. '06		5.7 D	NA	UD	UD	NA	UD	UD	UD	UD
MW-23	Apr. '07		7.2 D	NA	0.25 D	UD	NA	UD	UD	UD	UD
MW-23	Oct. '07		5.0 D	NA	0.18 D	UD	NA	0.022 JD	UD	UD	UD
MW-23 Dup (RT-9)	Oct. '07		5.7 D	NA	0.22 D	UD	NA	0.024 JD	UD	UD	UD
MW-23	**Apr. '08**		**4.9 D**	**NA**	**0.16 D**	**0.0056 UD**	**NA**	**0.017 UD**	**0.0072 UD**	**0.0068 UD**	**0.0044 UD**
MW-23 DUP (926/0810039-07)	**Sept. '08**		**3.0 DE**	**NA**	**0.048 D**	**0.0012 UD**	**NA**	**0.009 JD**	**0.002 UD**	**0.0012 UD**	**0.0015 UD**
MW-23	**Sept. '08**		**3.4 DE**	**NA**	**0.065 D**	**0.0012 UD**	**NA**	**0.0091 JD**	**0.002 UD**	**0.0012 UD**	**0.0015 UD**
MW-24	Jan. '93	Upper	11 D	NA	UD	UD	UD	UD	660 D	UD	0.63 JD
MW-24	Feb. '93		4.4 JD	NA	UD	UD	UD	UD	150 D	UD	UD
MW-25	Jan. '93	Upper	360 D	NA	UD	UD	UD	UD	UD	UD	UD
MW-25	Feb. '93		240 D	NA	12 D	UD	UD	UD	UD	UD	UD
MW-25	Oct. '00		130 D	36 D	2.2 JD	0.28	0.028	0.81 D	0.36	0.76	0.0032 J
MW-25	Nov. '03		260 D	64 D	7 D	0.33 JD	UD	0.69 JD	0.44 JD	UD	UD
MW-25	Mar. '06		42 D	1.7 D	UD	UD	UD	UD	UD	UD	UD
MW-25	**Apr. '08**		**2.8 E**	**4.3 E**	**1.2 E**	**0.096**	**0.0071**	**0.260 E**	**0.120**	**0.0030**	**0.001**

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL[a]		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6[b]		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
MW-41	Nov. '03	Upper	7.6 D	10 D	3.2 D	UD	UD	UD	UD	UD	UD
MW-41	Mar. '05		UD	1.6 D	0.36 D	UD	UD	UD	UD	UD	UD
MW-41	Nov. '05		UD	1.7 D	0.3 D	UD	UD	UD	UD	UD	UD
MW-41	Mar. '06		UD	2.7 D	0.42 D	UD	UD	UD	UD	UD	UD
MW-41	Jun. '06		U	0.046	0.0015	U	0.0018	U	U	U	0.0035
MW-41	Oct. '06		U	0.012	0.0027	U	0.0012	U	U	U	0.0079
MW-41	Apr. '07		0.00068 J	0.0026	0.00052 J	U	0.00049 J	U	0.0003 J	U	0.0028
MW-41	Oct. '07		0.0017 JD	0.30 D	0.046 D	UD	UD	UD	UD	UD	0.0036 JD
MW-41	**Apr. '08**		**0.00028 U**	**0.0013**	**0.0018**	**0.00014 U**	**0.00068 J**	**0.00042 U**	**0.00019 J**	**0.00017 U**	**0.0051**
MW-41	**Sept. '08**		**0.00071 J**	**0.0210**	**0.0042**	**0.0001 U**	**0.0015**	**0.00013 U**	**0.00035 J**	**0.0001 U**	**0.0082**
MW-42	Nov. '03	Lower	6.7 D	12 D	8.2 D	UD	UD	UD	UD	UD	UD
MW-42	Mar. '05		7.6 D	18 D	0.54 D	UD	UD	0.059 JD	UD	UD	UD
MW-42	Nov. '05		UD	7.1 D	2.8 D	UD	UD	UD	UD	UD	UD
MW-42	Mar. '06		UD	2.7 D	3.6 D	UD	UD	UD	UD	UD	UD
MW-42	Jun. '06		UD	0.45 D	0.64 D	UD	UD	UD	UD	UD	UD
MW-42	Oct. '06		U	0.096	0.064	U	U	U	U	U	U
MW-42	Apr. '07		0.0016	0.022	0.1	U	U	U	0.00039 J	U	0.001
MW-42	Oct. '07		0.01 JD	0.08 D	0.53 D	UD	UD	UD	UD	UD	UD
MW-42	**Apr. '08**		**0.0026 D**	**0.90 D**	**0.370 D**	**0.00028 UD**	**0.0003 UD**	**0.00084 UD**	**0.00036 UD**	**0.00034 UD**	**0.0012 JD**
MW-42	**Sept. '08**		**0.0012**	**0.053**	**0.340 E**	**0.0001 U**	**0.00013 U**	**0.00013 U**	**0.0006 J**	**0.0001 U**	**0.0017**
MW-43	Mar. '05	PRB Upper	U	0.019	0.0037	U	0.0019	U	U	U	0.0012
MW-43 Diff	Nov. '05		U	U	U	U	0.0025	U	U	U	0.0058
MW-43 (Diffuse Bag)	Mar. '06		U	U	U	U	0.002	U	U	U	0.0087
MW-43S (Std. Low Purge)	Jun. '06		U	U	U	U	0.002	U	U	U	0.0074
MW-43D	Jun. '06		U	U	U	U	0.0021	U	U	U	0.0072
MW-43 Diff	Oct. '06		U	U	U	U	0.002	U	U	U	0.011
MW-43 Dup (MW-AC)	Oct. '06		U	U	U	U	0.0013	U	U	U	0.0062
MW-43 (Diffusion Bag)	May. '07		U	0.013	0.0043	U	0.0013	U	0.000019 J	U	0.0063
MW-43	Oct. '07		U	0.0032	0.00034 J	U	0.001	U	0.00042 J	U	0.006
MW-43	**Apr. '08**		**0.00043 JB**	**0.014**	**0.0066**	**0.0001 U**	**0.0017**	**0.00013 U**	**0.00042 J**	**0.0001 U**	**0.0076**
MW-43	**Sept. '08**		**0.00023 U**	**0.00014 U**	**0.0002 U**	**0.0001 U**	**0.00096 J**	**0.00013 U**	**0.00088 J**	**0.0001 U**	**0.0074**

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL[a]		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6[a]		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
MW-44	Mar. '05	PRB Lower	U	0.16	0.022	U	U	U	U	U	0.001
MW-44 DUP	Mar. '05		U	0.14	0.019	U	0.00054 J	U	U	U	0.00094 J
MW-44 DUP	Nov. '05		U	0.031	0.0031	U	U	U	U	U	0.0014
MW-44 Diff	Nov. '05		U	0.032	0.0029	U	U	U	U	U	0.0014
MW-44 (Diffuse Bag)	Mar. '06		U	1.1 D	0.16	U	U	0.0012	U	U	0.0018
MW-44 DUP (MW-F)	Mar. '06		U	1.2 D	0.19	U	U	0.0015	U	U	0.0019
MW-44S (Std. Low Purge)	Jun. '06		U	2.0 D	0.081 D	U	U	U	U	U	U
MW-44D	Jun. '06		U	1.2 D	0.13 D	U	U	U	U	U	U
MW-44 Diff	Oct. '06		UD	2.8 D	0.22 D	UD	UD	UD	UD	UD	UD
MW-44	Oct. '06		UD	3.4 D	0.23 D	UD	UD	UD	UD	UD	UD
MW-44 (Diffuse Bag)	May. '07		U	1.3 D	0.16	U	0.00056 J	0.00051 J	U	U	0.0021
MW-44	Oct. '07		U	0.12	0.11	U	0.00022 J	U	U	U	0.0014
MW-44	**Apr. '08**		**0.00023 U**	**0.047**	**0.0094**	**0.0001 U**	**0.00013 U**	**0.00013 U**	**0.00016 U**	**0.0001 U**	**0.00044 J**
MW-44	**Sept. '08**		**0.00023 J**	**0.017**	**0.0047**	**0.0001 U**	**0.00013 U**	**0.00013 U**	**0.00016 U**	**0.0001 U**	**0.00054 J**
MW-45	Nov. '03	Upper	15 D	12 D	0.84 D	0.037 JD	UD	0.063 JD	UD	UD	UD
MW-45	Mar. '05		15 D	13 D	4.1 D	0.04 JD	UD	0.062 JD	UD	UD	UD
MW-45	Nov. '05		11 D	12 D	1.5 D	UD	UD	UD	UD	UD	UD
MW-45	Mar. '06		11 D	14 D	3.6 D	UD	UD	UD	UD	UD	UD
MW-45	Jun. '06		11 D	10 D	1.5 D	UD	UD	UD	UD	UD	UD
MW-45	Oct. '06		8.6 D	11 D	1.1 D	UD	UD	UD	UD	UD	UD
MW-45	Apr. '07		13 D	20 D	3.6 D	0.018 JD	UD	0.048 JD	UD	UD	UD
MW-45	Oct. '07		9.1 D	12 D	1.6 D	0.013 JD	UD	0.029 JD	UD	UD	UD
MW-45	**Apr. '08**		**12.0 D**	**18.0 D**	**3.0 D**	**0.0014 UD**	**0.0015 UD**	**0.0042 UD**	**0.0018 UD**	**0.0017 UD**	**0.0011 UD**
MW-45	**Sept. '08**		**11.0 D**	**16.0 D**	**1.9 D**	**0.02 UD**	**0.026 UD**	**0.038 JD**	**0.032 UD**	**0.02 UD**	**0.024 UD**
MW-46	Nov. '03	Lower	11 D	7.9 D	0.58 D	UD	UD	UD	UD	UD	UD
MW-46	Mar. '05		15 D	8.3 D	0.53 D	UD	UD	0.038 JD	UD	UD	UD
MW-46	Nov. '05		14 D	7.0 D	0.52 D	UD	UD	UD	UD	UD	UD
MW-46	Mar. '06		13 D	8.3 D	0.43 D	UD	UD	UD	UD	UD	UD
MW-46	Jun. '06		11 D	7.2 D	0.22 D	UD	UD	UD	UD	UD	UD
MW-46	Oct. '06		11 D	6.7 D	0.39 D	UD	UD	UD	UD	UD	UD
MW-46	Apr. '07		8.3 D	5.2 D	0.099 JD	0.014 JD	UD	UD	UD	UD	UD
MW-46	Oct. '07		11 D	6.0 D	0.34 D	0.017 JD	UD	0.034 D	UD	UD	UD
MW-46	**Apr. '08**		**7.7 D**	**4.6 D**	**0.180 D**	**0.012 JD**	**0.0075 UD**	**0.024 JD**	**0.009 UD**	**0.0085 UD**	**0.0055 UD**
MW-46 (DUP-923)	**Sept. '08**		**8.7 D**	**5.3 D**	**0.210 D**	**0.010 UD**	**0.013 UD**	**0.015 JD**	**0.016 UD**	**0.010 UD**	**0.012 UD**
MW-46	**Sept. '08**		**8.4 D**	**5.1 D**	**0.220 D**	**0.011 JD**	**0.013 UD**	**0.015 JD**	**0.016 UD**	**0.010 UD**	**0.012 UD**

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL*		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6*		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
MW-47	Nov. '03	Upper	0.00068 J	0.003	U	U	U	U	U	U	U
MW-47	Mar. '05		0.0011	0.0039	U	U	U	U	0.00024 J	U	0.00034 J
MW-47	Nov. '05		U	0.0046	U	U	U	U	U	U	U
MW-47	Mar. '06		U	0.0033	U	U	U	U	U	U	U
MW-47	Oct. '06		U	0.0016	U	U	U	U	U	U	U
MW-47	Apr. '07		0.00023 J	0.0021	0.00093 J	U	U	U	U	U	0.00045 J
MW-47 DUP (MW-JT)	Apr. '07		0.00028 J	0.0020	0.00093 J	U	U	U	0.00018 J	U	0.00046 J
MW-47	Oct. '07		0.00029 J	0.0010	0.00037 J	U	U	U	U	U	0.00034 J
MW-47	**Apr. '08**		**0.00028 U**	**0.0006 J**	**NA**	**0.00014 U**	**0.00015 U**	**0.00042 U**	**0.00018 U**	**0.00017 U**	**0.00018 J**
MW-47	**Sept. '08**		**0.00110**	**0.0013**	**0.0002 U**	**0.0001 U**	**0.00013 U**	**0.00013 U**	**0.00100**	**0.0001 U**	**0.00041 J**
MW-48	Nov. '03	Lower	0.39 D	0.47 D	UD	UD	UD	UD	UD	UD	UD
MW-48	Mar. '05		0.0038 JD	0.59 D	0.0065 JD	UD	UD	UD	UD	UD	UD
MW-48	Nov. '05		U	0.093	0.19	U	U	U	U	U	U
MW-48	Mar. '06		0.002	0.0091	0.017	U	U	U	U	U	U
MW-48	Oct. '06		0.11	1 D	0.18 D	U	U	0.0043	U	U	U
MW-48	Apr. '07		0.0064	0.32 D	0.0031	U	U	0.0011	0.00017 J	U	0.00028 J
MW-48	Oct. '07		0.95 D	5.4 D	0.51 D	0.0015	0.00079 J	0.018	U	U	0.0016
MW-48	**Apr. '08**		**0.0044 D**	**0.340 D**	**0.0032 JD**	**0.00056 UD**	**0.0006 UD**	**0.0017 UD**	**0.00072 U**	**0.00068 UD**	**0.00044 UD**
MW-48	**Sept. '08**		**0.0056 D**	**0.390 D**	**0.065 D**	**0.00050 UD**	**0.00065 UD**	**0.002 JD**	**0.0008 UD**	**0.0005 UD**	**0.0006 UD**
MW-49	Mar. '05	PRB Lower	0.51 D	0.72 D	0.05 D	UD	UD	0.003 JD	UD	UD	UD
MW-49 Diff	Nov. '05		UD	0.55 D	UD	UD	UD	UD	UD	UD	UD
MW-49 (Diffuse Bag)	Mar. '06		UD	0.29 D	0.011 D	UD	UD	UD	UD	UD	UD
MW-49 Diff	Oct. '06		UD	0.56 D	UD	UD	UD	UD	UD	UD	UD
MW-49 (Diffusion Bag)	May. '07		UD	0.64 D	0.010 D	UD	UD	UD	UD	UD	UD
MW-49 Dup (MW-80)	May. '07		UD	0.63 D	0.0088 JD	UD	UD	UD	UD	UD	UD
MW-49	Oct. '07		U	0.021	0.00042 J	U	U	U	U	U	0.00053 J
MW-49	**Apr. '08**		**0.0018**	**0.810 E**	**0.036**	**0.0001 U**	**0.00028 J**	**0.0019**	**0.00024 J**	**0.0001 U**	**0.0012**
MW-49 DUP (430)	**Apr. '08**		**0.078**	**1.100 E**	**0.055**	**0.00019 J**	**0.00047 J**	**0.0031**	**0.0004 J**	**0.0001 U**	**0.0017**
MW-49 DUP (926/0810039-01)	**Sept. '08**		**0.0012 UD**	**NA**	**0.019 D**	**0.0005 UD**	**NA**	**0.00073 JD**	**0.0008 UD**	**0.0005 UD**	**0.00087 JD**
MW-49	**Sept. '08**		**0.0012 UD**	**0.660 D**	**0.016 D**	**0.0005 UD**	**0.00065 UD**	**0.0009 JD**	**0.003 JD**	**0.0005 UD**	**0.00092 JD**

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL*		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6*		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
MW-50	Mar. '05	PRB Upper	U	0.0071	U	U	U	U	U	U	U
MW-50 Diff	Nov. '05		U	0.0017	U	U	U	U	U	U	U
MW-50 (Diffuse Bag)	Mar. '06		U	U	U	U	U	U	U	U	U
MW-50 Diff	Oct. '06		U	0.0018	U	U	U	U	U	U	U
MW-50 (Diffusion Bag)	May. '07		U	0.0017	U	U	U	U	U	U	0.0003 J
MW-50	Oct '07		UD	0.3 D	0.011 D	UD	UD	UD	UD	UD	0.0019 JD
MW-50	**Apr. '08**		**0.00077 J**	**0.044**	**0.00032 J**	**0.0001 U**	**0.00013 U**	**0.00018 J**	**0.00016 U**	**0.0001 U**	**0.0004 J**
MW-50	**Sept. '08**		**0.00023 U**	**0.11**	**0.0009 J**	**0.0001 U**	**0.00013 U**	**0.00028 J**	**0.00077 J**	**0.0001 U**	**0.00065 J**
MW-51	Nov. '03	Upper	0.026	0.043	U	U	U	U	U	U	U
MW-51	Mar. '05		0.0074	0.0095	U	U	U	U	U	U	U
MW-51	Nov. '05		0.026	0.041	U	U	U	U	U	U	U
MW-51	Mar. '06		0.089	0.12	U	U	U	U	U	U	U
MW-51	Oct. '06		0.180	0.15	U	U	U	U	U	U	U
MW-51	Apr. '07		2.3 D	0.76 D	0.0011 J	0.0038	0.00015 J	0.0037	U	0.00036	0.00025 J
MW-51	Oct. '07		0.31 D	0.18	U	0.00062 J	U	0.00081 J	U	U	U
MW-51	**Apr. '08**		**1.6 D**	**0.53 D**	**0.0032 JD**	**0.0026 JD**	**0.0015 UD**	**0.0042 UD**	**0.0018 UD**	**0.0017 UD**	**0.0011 UD**
MW-51	**Sept. '08**		**3.1 D**	**0.680 D**	**0.004 UD**	**0.0072 JD**	**0.0026 UD**	**0.0046 JD**	**0.0032 UD**	**0.0020 UD**	**0.0024 UD**
MW-52	Nov. '03	Lower	0.3 D	0.39 D	UD	UD	UD	UD	UD	UD	UD
MW-52	Mar. '05		0.75 D	0.60 D	0.058 D	UD	UD	UD	UD	UD	UD
MW-52	Nov. '05		0.54 D	0.45 D	0.049 D	UD	UD	UD	UD	UD	UD
MW-52 DUP	Nov. '05		0.52 D	0.43 D	0.047 D	UD	UD	UD	UD	UD	UD
MW-52	Mar. '06		0.17 D	0.17 D	0.0052 D	UD	UD	UD	UD	UD	UD
MW-52	Oct. '06		0.19 D	0.21 D	0.0057 D	UD	UD	UD	UD	UD	UD
MW-52	Apr. '07		0.27 D	0.23 D	0.011 JD	UD	UD	UD	UD	UD	UD
MW-52	Oct. '07		0.21 D	0.18 D	0.0012 JD	UD	UD	UD	UD	UD	UD
MW-52	**Apr. '08**		**0.42 D**	**0.25 D**	**0.002 JD**	**0.00059 JD**	**0.0006 UD**	**0.0017 UD**	**0.00072 UD**	**0.00068 UD**	**0.00044 UD**
MW-52	**Sept. '08**		**0.58 D**	**0.30 D**	**0.005 JD**	**0.00063 JD**	**0.00065 UD**	**0.00092 JD**	**0.0008 UD**	**0.0005 UD**	**0.0006 UD**
MW-53	Nov. '03	Upper	0.0033	0.0082	U	U	U	U	U	U	U
MW-53	Mar. '05		0.0047	0.017	U	U	U	U	U	U	U
MW-53	Nov. '05		0.14 D	0.28 D	0.067 D	UD	UD	UD	UD	UD	UD
MW-53	Mar. '06		0.09	0.15	0.0042	U	U	U	U	U	U
MW-53	Oct. '06		0.078	0.051	0.0047	U	U	U	U	U	U
MW-53	Apr. '07		0.250 D	0.31 D	0.15	0.00034 J	U	0.0012	U	U	U
MW-53	Oct. 07		0.170 D	0.13 D	0.0069 D	0.00099 JD	UD	0.00055 JD	UD	UD	UD
MW-53	**Apr. '08**		**0.400 D**	**0.470 D**	**0.083 D**	**0.0007 UD**	**0.00075 UD**	**0.0021 UD**	**0.0009 UD**	**0.00085 UD**	**0.00055 UD**
MW-53	**Sept. '08**		**0.180 D**	**0.130 D**	**0.0093 D**	**0.0002 UD**	**0.00026 UD**	**0.00028 JD**	**0.00032 UD**	**0.0002 UD**	**0.00024 UD**
MW-54	Nov. '03	Lower	0.02 D	0.12 D	0.0049 D	UD	UD	UD	UD	UD	UD
MW-54	Mar. '05		0.017	0.089	0.0032	U	U	U	U	U	U
MW-54	Nov. '05		0.028	0.12	0.0054	U	U	U	U	U	U
MW-54	Mar. '06		0.029	0.11	U	U	U	U	U	U	U
MW-54	Oct. '06		0.05	0.14	U	U	U	U	U	U	U
MW-54	Apr. '07		0.056	0.14	0.00074 J	U	U	0.00015 J	U	U	U
MW-54	Oct. '07		0.042	0.12	0.00073 J	U	U	0.00028 J	U	U	U
MW-54	**Apr. '08**		**0.090 D**	**0.170 D**	**0.00038 UD**	**0.00028 UD**	**0.0003 UD**	**0.00084 UD**	**0.00036 UD**	**0.00034 UD**	**0.00022 UD**
MW-54	**Sept. '08**		**0.091 D**	**0.170 D**	**0.0022 JD**	**0.0002 UD**	**0.00026 UD**	**0.00026 UD**	**0.00032 UD**	**0.0002 UD**	**0.00024 UD**
RT-1	Jan. '93	Upper	0.09	NA	U	U	U	U	U	U	U
RT-1 DUP	Jan. '93		0.095	NA	U	U	U	U	U	U	U
RT-1	Oct. '00		0.14	0.0026 J	U	U	U	U	U	U	U
RT-1	Nov. '03		0.19	0.06	0.0019 J	U	U	U	U	U	U
RT-1	Mar. '06		0.16 D	NA	UD	UD	NA	UD	UD	UD	UD
RT-1	**Apr. '08**		**0.150**	**NA**	**0.0022**	**0.00014 U**	**NA**	**0.00073 J**	**0.00018 U**	**0.00017 U**	**0.00011 U**
RT-1	**Sept. '08**		**0.190**	**NA**	**0.0031**	**0.0001 U**	**NA**	**0.0014**	**0.00026 J**	**0.0001 U**	**0.00012**

TABLE 8

RESULTS FOR DETECTED VOCS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	Tetrachloro-ethene (mg/L)	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	Toluene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
	USEPA MCL*		0.005	0.07	0.002	0.005	0.005	0.007	1	0.005	0.005
	Site Specific Risk 1x10-6*		0.0061	0.57	3.50E-05	0.29	0.00074	0.00011	5.7	0.0012	0.0023
RT-2	Jan. '93	Upper	63 D	NA	UD	UD	UD	UD	UD	UD	UD
RT-2	Oct. '00		8.7 D	3.2 D	0.071	0.018	UD	0.015	0.0035 J	0.0018 J	UD
RT-2	Nov. '03		9.6 D	20 D	2.9 D	UD	UD	0.09 JD	UD	UD	UD
RT-2	Mar. '06		46 D	NA	1.1 D	UD	NA	UD	UD	UD	UD
RT-2	Oct. '06		19 D	NA	UD	UD	NA	UD	UD	UD	UD
RT-2 DUP (MWRT-AC)	Oct. '06		18 D	NA	UD	UD	NA	UD	UD	UD	UD
RT-2	Apr. '07		8.5 D	NA	0.24 JD	UD	NA	UD	UD	UD	UD
RT-2	Oct. '07		28 D	NA	1.0 D	0.11 JD	NA	0.069 JD	UD	UD	UD
RT-2	**Apr. '08**		**7.0 D**	**NA**	**0.280 D**	**0.0097 JD**	**NA**	**0.027 JD**	**0.009 UD**	**0.0085 UD**	**0.0055 UD**
RT-2	**Sept. '08**		**13.0 DE**	**NA**	**0.370 D**	**0.014 JD**	**NA**	**0.048 JD**	**0.008 UD**	**0.005 UD**	**0.006 UD**
RT-3	Jan. '93	Upper	130 D	NA	UD	0.45 JD	UD	UD	0.11 JD	UD	UD
RT-3	Oct. '00		38 D	16 D	0.62 D	0.2 D	UD	0.15 D	0.38 D	0.014 JD	UD
RT-3	Nov. '03		11 D	22 D	4.7 D	UD	UD	UD	0.23 D	UD	UD
RT-3	Mar. '06		12 D	NA	0.63 D	UD	NA	UD	1.7 D	UD	UD
RT-3	**Apr. '08**		**20.0 D**	**12.0 D**	**0.600**	**0.032 JD**	**0.030 UD**	**0.084 UD**	**0.036 UD**	**0.034 UD**	**0.022 UD**
RT-4	Jan. '93	Upper	0.22 D	NA	0.44 D	UD	UD	UD	UD	UD	UD
RT-4	Oct. '00		0.13 D	2.5 D	0.2 D	UD	UD	UD	UD	UD	UD
RT-4	Nov. '03		1.2 D	9.5 D	1.1 D	UD	UD	UD	UD	UD	UD
RT-4	Mar. '06		1.2 D	NA	0.69 D	UD	NA	UD	UD	UD	UD
RT-4	Oct. '06		0.62 D	NA	0.54 D	UD	NA	UD	UD	UD	UD
RT-4	Apr. '07		0.57 D	NA	0.6 D	UD	NA	0.027 JD	UD	UD	UD
RT-4	Oct. '07		0.46 D	NA	0.62 D	UD	NA	0.015 JD	UD	UD	UD
RT-4	**Apr. '08**		**0.580 D**	**NA**	**0.100 D**	**0.0035 UD**	**NA**	**0.017 JD**	**0.0045 UD**	**0.0042 UD**	**0.0028 UD**
RT-4	**Sept. '08**		**0.500 D**	**NA**	**0.520 D**	**0.0025 UD**	**NA**	**0.0019 JD**	**0.004 UD**	**0.0025 UD**	**0.003 UD**
RT-5	Jan. '93	Upper	2.6 D	NA	UD	UD	UD	UD	UD	UD	UD
RT-5	Oct. '98		10 D	6.1 D	0.18 JD	UD	UD	UD	UD	UD	UD
RT-5	Oct. '00		0.44 D	0.92 D	0.012 JD	UD	UD	UD	UD	UD	UD
RT-5	Mar. '06		2.6 D	NA	0.071 D	UD	NA	UD	UD	UD	UD
RT-5	Oct. '06		1.6 D	NA	0.16 D	UD	NA	UD	UD	UD	UD
RT-5	Apr. '07		1.7 D	NA	0.23 D	0.0043 JD	NA	0.012 JD	UD	UD	UD
RT-5 DUP (RT-KK)	Apr. '07		1.6 D	NA	0.19 D	0.0038 JD	NA	0.01 JD	UD	UD	UD
RT-5	Oct. '07		0.95 D	NA	0.062 D	UD	NA	0.0073 JD	UD	UD	UD
RT-5	**Apr. '08**		**0.590 D**	**NA**	**0.020 D**	**0.0018 JD**	**NA**	**0.0044 JD**	**0.0009 UD**	**0.00085 UD**	**0.00055 UD**
RT-5	**Sept. '08**		**0.330 D**	**NA**	**0.061 D**	**0.00054 JD**	**NA**	**0.003 D**	**0.00032 UD**	**0.0002 UD**	**0.00024 UD**

* Shading indicate that result exceeded USEPA MCLs.
U = Not Detected
D = Sample was diluted
J = Sample was estimated
B = The constituent was also detected in a blank
E = Exceeds the highest concentration level on the standard curve
X = Result associated with a laboratory contaminant
NA = Not Available or Not Analyzed
NS = Not Sampled

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenanthrene (mg/L)	2-Methylnaphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichlorobenzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)	Naphthalene (mg/L)	Pentachlorophenol (mg/L)	Diethylphthalate (mg/L)
USEPA MCL*			NA	NA	NA	NA	NA	0.07	0.006	NA	0.001	NA
Site Specific Risk $1x10^{-6}$*			NA	NA	NA	NA	NA	NA	0.0048	NA	NA	NA
MW-1	Aug. 1991	Upper	0.0013 JBX	U	U	U	U	0.0021 J	0.0011 J	U	NA	NA
MW-1	Oct. 2000		U	U	U	U	U	0.013	0.011	U	U	0.002 J
MW-1	Nov. 2003		NA	NA	NA	NA	NA	NA	0.001 J	NA	NA	NA
MW-1	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-1	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-2	Aug. 1991	Upper	0.0011 JBX	0.001 J	0.0007 J	0.069	U	U	0.0052 J	0.034	NA	NA
MW-3	Aug. 1991	Upper	0.0009 JBX	U	U	U	U	U	0.0016 J	U	NA	NA
MW-3	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-4	Aug. 1991	Upper	0.0016 JBX	U	U	U	0.0012 J	U	0.001 J	U	NA	NA
MW-4	Oct. 2000		U	U	U	U	U	U	U	U	U	U
MW-4	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-4	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-4	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-4 DUP (425)	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-5	Aug. 1991	Upper	0.0010 JBX	U	U	U	0.0077 J	U	0.0011 J	U	NA	NA
MW-5	Oct. 2000		U	U	U	0.0051	U	U	0.0022 J	0.014	U	0.002 J
MW-5	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-5	Nov '05		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-5	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-5	Oct '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-5	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-5	Oct. 2007		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-5	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-5	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 J**	**NA**	**NA**	**NA**
MW-6	Aug. 1991	Upper	0.0009 JBX	U	U	0.0013 J	U	U	0.0071 J	0.0009 J	NA	NA
MW-6	Oct. 2000		U	U	U	U	U	U	U	U	U	U
MW-6	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-6	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-6	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenanthrene (mg/L)	2-Methylnaphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichlorobenzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)	Naphthalene (mg/L)	Pentachlorophenol (mg/L)	Diethylphthalate (mg/L)
USEPA MCL[a]			NA	NA	NA	NA	NA	0.07	0.006	NA	0.001	NA
Site Specific Risk 1x10[-6][a]			NA	NA	NA	NA	NA	NA	0.0048	NA	NA	NA
MW-7	Aug. 1991	Upper	0.0005 JBX	U	U	U	U	U	U	U	NA	NA
MW-7 DUP	Aug. 1991		0.0012 JBX	U	U	U	U	U	0.0007 J	U	NA	NA
MW-7	Oct. 2000		U	U	U	U	U	U	0.0065	U	U	U
MW-7	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-7	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-7	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0019 J**	**NA**	**NA**	**NA**
MW-8	Oct. 2000	Lower	U	U	U	U	U	U	U	U	U	U
MW-8	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-8	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-8	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-9	Nov. 2003	Lower	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-9	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-9	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-10	Oct. 2000	Lower	U	U	U	U	U	U	U	U	U	U
MW-10	Nov. 2003		NA	NA	NA	NA	NA	NA	0.0011 J	NA	NA	NA
MW-10	Nov '05		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-10	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-10	Oct '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-10	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-10	Oct. 2007		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-10	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-10	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-11	Oct. 2000	Upper	U	U	U	U	U	U	0.005 J	U	U	U
MW-11	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-11	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-11	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenanthrene (mg/L)	2-Methyl-naphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichloro-benzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)		Naphthalene (mg/L)	Pentachloro-phenol (mg/L)	Diethyl-phthalate (mg/L)
USEPA MCL*			NA	NA	NA	NA	NA	0.07	0.006		NA	0.001	NA
Site Specific Risk $1x10^{-6}$*			NA	NA	NA	NA	NA	NA	0.0048		NA	NA	NA
MW-12	Oct. 2000	Upper	U	U	U	U	U	U	0.0073		U	U	U
MW-12	Nov. 2003		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-12 DUP	Nov. 2003		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-12	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-12	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-13	Oct. 2000	Upper	U	U	U	U	U	U	U		U	U	U
MW-13	Nov. 2003		NA	NA	NA	NA	NA	NA	0.0012	J	NA	NA	NA
MW-13	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-13	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-14	Oct. 2000	Upper	U	U	U	U	U	U	U		U	U	U
MW-14	Nov. 2003		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-14	Nov '05		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-14	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-14	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-14	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-14	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-14 DUP (MW-63)	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-14	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-14	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0018**	**J**	**NA**	**NA**	**NA**
MW-15	Oct. 2000	Upper	U	U	U	U	U	U	U		U	U	U
MW-15	Nov. 2003		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-15	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-15	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0014**	**U**	**NA**	**NA**	**NA**

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenanthrene (mg/L)	2-Methyl-naphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichloro-benzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)	Naphthalene (mg/L)	Pentachloro-phenol (mg/L)	Diethyl-phthalate (mg/L)
USEPA MCL[a]			NA	NA	NA	NA	NA	0.07	0.006	NA	0.001	NA
Site Specific Risk 1x10[6][b]			NA	NA	NA	NA	NA	NA	0.0048	NA	NA	NA
MW-16	Oct. 2000	Upper	U	U	U	U	U	U	U	U	U	U
MW-16 DUP	Oct. 2000		U	U	U	U	U	U	U	U	U	U
MW-16	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-16	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-16	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-17	Oct. 2000	Lower	U	U	U	U	U	U	U	U	U	U
MW-17	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-17 DUP	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-17	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-17	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0016 U**	**NA**	**NA**	**NA**
MW-20	Nov. 2003	Upper	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-20	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-20	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-23	Oct. 2000	Upper	U	U	U	U	U	U	U	U	U	U
MW-23	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-23	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-23	Oct '06		NA	NA	NA	U	NA	U	U	U	U	NA
MW-23	Apr '07		NA	NA	NA	U	NA	0.011	U	U	U	NA
MW-23	Oct '07		NA	NA	NA	U	NA	0.0028 J	U	U	U	NA
MW-23 Dup (RT-9)	Oct '07		NA	NA	NA	U	NA	0.0026 J	U	U	U	NA
MW-23	**Apr '08**		**NA**	**NA**	**NA**	**0.00065 U**	**NA U**	**0.00043 J**	**0.0012 U**	**0.00043 U**	**0.00096 U**	**NA**
MW-23	**Sept. '08**		**NA**	**NA**	**NA**	**0.00068 U**	**NA J**	**0.00051 J**	**0.0022 J**	**0.00045 U**	**0.001 U**	**NA**
MW-23 DUP (926/0810039-07)	**Sept. '08**		**NA**	**NA**	**NA**	**0.00072 U**	**NA U**	**0.00056 J**	**0.003 J**	**0.00047 U**	**0.001 U**	**NA**
MW-25	Oct. 2000	Upper	U	U	U	U	U	U	U	U	U	U
MW-25	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-25	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-25	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0022 J**	**NA**	**NA**	**NA**
MW-41	Nov. 2003	Upper	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-41	Nov '05		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-41	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-41	Oct '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-41	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-41	Oct. 2007		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-41	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-41	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0027 J**	**NA**	**NA**	**NA**

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenanthrene (mg/L)	2-Methyl-naphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichloro-benzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)		Naphthalene (mg/L)	Pentachloro-phenol (mg/L)	Diethyl-phthalate (mg/L)
USEPA MCL[a]			NA	NA	NA	NA	NA	0.07	0.006		NA	0.001	NA
Site Specific Risk 1x10[-6][b]			NA	NA	NA	NA	NA	NA	0.0048		NA	NA	NA
MW-42	Nov. 2003	Lower	NA	NA	NA	NA	NA	NA	0.0014	J	NA	NA	NA
MW-42	Nov '05		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-42	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-42	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-42	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-42	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-42	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-42	**Sept. '08**		**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**0.0026**	**J**	**NS**	**NS**	**NS**
MW-43	Nov '05	Upper	NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-43	Apr '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-43	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-43 DUP (MW-AC)	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-43	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-43	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-43	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-43	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0027**	**J**	**NA**	**NA**	**NA**
MW-44	Nov '05	Lower	NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-44	Apr '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-44 DUP (MW-F)	Apr '06		NA	NA	NA	NA	NA	NA	2.7	J	NA	NA	NA
MW-44	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-44	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-44	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-44	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0014**	**U**	**NA**	**NA**	**NA**
MW-44	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-45	Nov. 2003	Upper	NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-45	Nov '05		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-45	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-45	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-45	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-45	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-45	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-45	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0021**	**J**	**NA**	**NA**	**NA**

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenanthrene (mg/L)	2-Methylnaphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichlorobenzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)		Naphthalene (mg/L)	Pentachlorophenol (mg/L)	Diethylphthalate (mg/L)
USEPA MCL[a]			NA	NA	NA	NA	NA	0.07	0.006		NA	0.001	NA
Site Specific Risk 1x10^{-6}[b]			NA	NA	NA	NA	NA	NA	0.0048		NA	NA	NA
MW-46	Nov. 2003	Lower	NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-46	Nov '05		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-46	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-46	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-46	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-46	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-46	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-46	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0023**	**J**	**NA**	**NA**	**NA**
MW-46 DUP (923)	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0028**	**J**	**NA**	**NA**	**NA**
MW-47	Nov. 2003	Upper	NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-47	Nov '05		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-47	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-47	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-47	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-47 DUP (MW-JT)	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-47	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-47	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-47	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0032**	**J**	**NA**	**NA**	**NA**
MW-48	Nov. 2003	Lower	NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-48	Nov '05		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-48	Mar '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-48	Oct '06		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-48	Apr '07		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-48	Oct. 2007		NA	NA	NA	NA	NA	NA	U		NA	NA	NA
MW-48	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012**	**U**	**NA**	**NA**	**NA**
MW-48	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0013**	**J**	**NA**	**NA**	**NA**

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenanthrene (mg/L)	2-Methylnaphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichlorobenzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)	Naphthalene (mg/L)	Pentachlorophenol (mg/L)	Diethylphthalate (mg/L)
USEPA MCL*			NA	NA	NA	NA	NA	0.07	0.006	NA	0.001	NA
Site Specific Risk 1x10^{-6}*			NA	NA	NA	NA	NA	NA	0.0048	NA	NA	NA
MW-49	Nov '05	Lower	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-49	Apr '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-49	Oct '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-49	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-49	Oct '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-49	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-49 DUP (430)	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-49	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-49 DUP (926/0810039-01)	**Sept. '08**		**NA**	**NA**	**NA**	**0.00063 U**	**NA**	**0.00033 U**	**0.0013 J**	**0.00042 U**	**0.00092 U**	**NA**
MW-50	Nov '05	Upper	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-50	Apr '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-50	Oct '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-50	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-50	Oct. 2007		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-50	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0014 U**	**NA**	**NA**	**NA**
MW-50	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0019 J**	**NA**	**NA**	**NA**
MW-51	Nov. 2003	Upper	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-51	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-51	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-51	Oct. 2007		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-51	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-51	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0018 J**	**NA**	**NA**	**NA**
MW-52	Nov. 2003	Lower	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-52 DUP	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-52	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-52	Oct '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-52	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-52	Oct. 2007		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-52	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-52	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0031 J**	**NA**	**NA**	**NA**

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenanthrene (mg/L)	2-Methylnaphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichlorobenzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)	Naphthalene (mg/L)	Pentachlorophenol (mg/L)	Diethylphthalate (mg/L)
USEPA MCL[a]			NA	NA	NA	NA	NA	0.07	0.006	NA	0.001	NA
Site Specific Risk 1x10[-6][a]			NA	NA	NA	NA	NA	NA	0.0048	NA	NA	NA
MW-53	Nov. 2003	Upper	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-53	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-53	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-53	Oct. 2007		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-53	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-53	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0016 J**	**NA**	**NA**	**NA**
MW-54	Nov. 2003	Lower	NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-54	Nov '05		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-54	Mar '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-54	Oct '06		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-54	Apr '07		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
MW-54	Oct. 2007		NA	NA	NA	NA	NA	NA	0.0029 J	NA	NA	NA
MW-54	**Apr '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0012 U**	**NA**	**NA**	**NA**
MW-54	**Sept. '08**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.0031 J**	**NA**	**NA**	**NA**
RT-1	Oct. 2000	Upper	U	U	U	U	U	U	U	U	U	U
RT-1	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
RT-1	Mar '06		NA	NA	NA	U	NA	U	U	U	U	NA
RT-1	**Apr '08**		**NA**	**NA**	**NA**	**0.00067 U**	**NA**	**0.00035 U**	**0.0012 U**	**0.00044 U**	**0.00098 U**	**NA**
RT-1	**Sept. '08**		**NA**	**NA**	**NA**	**0.00068 U**	**NA**	**0.00036 U**	**0.0014 J**	**0.00045 U**	**0.001 U**	**NA**
RT-2	Oct. 2000	Upper	U	U	U	U	U	0.032	U	U	0.0064 J	U
RT-2	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
RT-2	Mar '06		NA	NA	NA	U	NA	0.023	U	U	U	U
RT-2	Oct '06		NA	NA	NA	U	NA	0.036	U	U	U	NA
RT-2	Oct '06		NA	NA	NA	U	NA	0.037	U	U	U	NA
RT-2	Apr '07		NA	NA	NA	0.00067 J	NA	0.03	U	0.00058 J	0.0083 J	NA
RT-2	Oct '07		NA	NA	NA	0.02	NA	0.039	U	0.014	0.014 J	NA
RT-2	**Apr '08**		**NA**	**NA**	**NA**	**0.00067 U**	**NA**	**0.030**	**0.0012 U**	**0.00044 U**	**0.0053 J**	**NA**
RT-2	**Sept. '08**		**NA**	**NA**	**NA**	**0.00095 J**	**NA**	**0.026**	**0.0028 J**	**0.00045 U**	**0.0028 J**	**NA**

TABLE 9

RESULTS FOR DETECTED SVOCS IN GROUNDWATER

Grenada Manufacturing
Grenada, Mississippi

Well Name	Sample Date	Well Type	Di-n-butyl phthalate (mg/L)	Fluorene (mg/L)	Phenan-threne (mg/L)	2-Methyl-naphthalene (mg/L)	Phenol (mg/L)	1,2,4-Trichloro-benzene (mg/L)	Bis (2-ethyl hexyl) phthalate (mg/L)	Naph-thalene (mg/L)	Penta-chloro-phenol (mg/L)	Diethyl-phthalate (mg/L)
USEPA MCL*			NA	NA	NA	NA	NA	0.07	0.006	NA	0.001	NA
Site Specific Risk 1x10^{-6}*			NA	NA	NA	NA	NA	NA	0.0048	NA	NA	NA
RT-3	Oct. 2000	Upper	U	U	U	0.0065	U	0.056	U	0.0029 J	0.018	U
RT-3	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
RT-3	Mar '06		NA	NA	NA	U	NA	0.017	U	U	U	NA
RT-3	**Apr '08**		**NA**	**NA**	**NA**	**U**	**NA**	**0.0012 U**	**U**	**U**	**U**	**NA**
RT-4	Oct. 2000	Upper	U	U	U	U	U	0.0022 J	U	U	U	U
RT-4	Nov. 2003		NA	NA	NA	NA	NA	NA	0.011	NA	NA	NA
RT-4	Mar '06		NA	NA	NA	U	NA	U	U	U	U	NA
RT-4	Oct '06		NA	NA	NA	U	NA	U	U	U	U	NA
RT-4	Apr '07		NA	NA	NA	U	NA	0.0014 J	U	U	U	NA
RT-4	Oct '07		NA	NA	NA	U	NA	0.0021 J	U	U	U	NA
RT-4	**Apr '08**		**NA**	**NA**	**NA**	**0.00068 U**	**NA**	**0.0014 J**	**0.0013 U**	**0.00045 U**	**0.001 U**	**NA**
RT-4	**Sept. '08**		**NA**	**NA**	**NA**	**0.00076 U**	**NA**	**0.0051 J**	**0.0034 J**	**0.0005 U**	**0.0011 U**	**NA**
RT-5	Oct. 2000	Upper	NA	NA	NA	NA	NA	0.0034 J	U	U	U	U
RT-5	Nov. 2003		NA	NA	NA	NA	NA	NA	U	NA	NA	NA
RT-5	Mar '06		NA	NA	NA	U	NA	U	U	U	U	NA
RT-5	Oct '06		NA	NA	NA	U	NA	U	U	U	U	NA
RT-5	Apr '07		NA	NA	NA	U	NA	0.002 J	U	U	U	NA
RT-5 DUP (RT-KK)	Apr '07		NA	NA	NA	U	NA	0.0035 J	U	U	U	NA
RT-5	Oct '07		NA	NA	NA	U	NA	0.0034	U	U	U	NA
RT-5	**Apr '08**		**NA**	**NA**	**NA**	**0.00064 U**	**NA U**	**0.0039 J**	**0.0012 U**	**0.00042 U**	**0.00094 U**	**NA**
RT-5	**Sept. '08**		**NA**	**NA**	**NA**	**0.00072 U**	**NA**	**0.0022 J**	**0.0021 J**	**0.00047 U**	**0.001 U**	**NA**

Notes:
* Shading and/or dots indicate a result exceeded the USEPA MCL and/or Region 9 PRG
U = Below Detection Limit
D = Result from diluted sample
J = Result was estimated
B = The constituent was also detected in a blank
E = Exceeds the highest concentration level on the standard curve
X = Result associated with a laboratory contaminant
NA = Not Available or Not Analyzed

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL*			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
MW-1	Aug. 1991	Upper	0.058	0.014	U	0.01	4.6	U	NA
MW-1	Dec. 1991		0.043	0.012	U	0.0044	NA	NA	NA
MW-1	Jan. 1993		0.083	0.0052 X	U	U	NA	NA	NA
MW-1	Oct. 2000		0.0637	U	U	U	2.85 B	U	109
MW-1	Nov. 2003		0.099	U	U	U	NA	NA	NA
MW-1	Mar. 2006		0.034	0.0024	U	U	NA	NA	NA
MW-1	**April-08**		**0.0699**	**0.0149**	**0.19 U**	**0.0081**	**NA**	**NA**	**NA**
MW-2	Aug. 1991	Upper	0.023	0.079	U	0.032	7	U	NA
MW-2	Dec. 1991		0.0065	0.035	U	0.01	NA	NA	NA
MW-2	Jan. 1993		0.0078	0.043	U	0.0079	NA	NA	NA
MW-2	Oct. 2000		U	U	U	U	U	U	U
MW-3	Aug. 1991	Upper	0.02	0.119	U	0.057	5.5	U	NA
MW-3	Dec. 1991		NA	0.052	U	0.019	NA	NA	NA
MW-3	Jan. 1993		U	0.095	0.06	0.017	NA	NA	NA
MW-3	Mar. 2006		U	0.0381	U	0.0079	NA	NA	NA
MW-4	Aug. 1991	Upper	N	0.028	U	0.0092	2.9	U	NA
MW-4	Dec. 1991		0.042	0.26	U	0.078	NA	NA	NA
MW-4	Jan. 1993		0.0074	0.024 X	U	0.0067	NA	NA	NA
MW-4	Oct. 2000		0.005 B	U	U	U	1.03 B	U	166
MW-4	Nov. 2003		U	U	U	U	NA	NA	NA
MW-4	Mar. 2006		0.0035	0.0027	U	U	NA	NA	NA
MW-4	**April-08**		**0.0681**	**0.0155**	**0.01 U**	**0.002 U**	**NA**	**NA**	**NA**
MW-4 DUP (DUP-425)	**April-08**		**0.0062 B**	**0.0055 B**	**0.01 U**	**0.002 U**	**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL*			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
MW-5	Aug. 1991	Upper	0.016	0.057	U	0.028	4.8	U	NA
MW-5	Dec. 1991		U	0.021	U	0.0064	NA	NA	NA
MW-5	Jan. 1993		0.0061	0.032	U	0.01	NA	NA	NA
MW-5	Oct. 2000		U	U	U	U	1.03 B	U	83.2
MW-5	Nov. 2003		U	U	U	U	NA	NA	NA
MW-5	March-05		U	U	U	U	NA	NA	NA
MW-5	November-05		U	U	U	U	NA	NA	NA
MW-5	Mar. 2006		U	U	U	U	NA	NA	NA
MW-5	Oct. 2006		U	U	U	U	1.4	NA	33
MW-5	April-07		U	U	U	U	NA	NA	NA
MW-5	Oct. 2007		U	U	U	U	NA	NA	NA
MW-5	**April-08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0015 U**	**NA**	**NA**	**NA**
MW-5	**Sept. '08**		**0.003 U**	**0.002 U**	**0.01**	**0.0015 U**	**NA**	**NA**	**NA**
MW-6	Aug. 1991	Upper	0.015	2.93	U	0.033	6.1	U	NA
MW-6	Dec. 1991		0.117	0.662	U	0.239	NA	NA	NA
MW-6	Jan. 1993		0.0092	2.44	U	0.0069	NA	NA	NA
MW-6	Oct. 2000		U	2.55	U	U	1.83 B	U	69.4
MW-6	Nov. 2003		U	2.4	U	U	NA	NA	NA
MW-6	Mar. 2006		U	1.15	U	U	NA	NA	NA
MW-6	**April-08**		**0.0124**	**22.0**	**0.95**	**0.0036**	**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL*			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
MW-7	Aug. 1991	Upper	0.024	0.078	U	0.104	4.3	U	NA
MW-7 DUP	Aug. 1991		0.03	0.101	U	0.098	6.7	U	NA
MW-7	Dec. 1991		0.011	0.058	U	0.03	NA	NA	NA
MW-7	Jan. 1993		0.0058	0.021 X	U	0.0097	NA	NA	NA
MW-7	Oct. 2000		U	U	U	U	U	U	47.6
MW-7	Nov. 2003		U	0.0097	U	U	NA	NA	NA
MW-7	Mar. 2006		U	U	U	U	NA	NA	NA
MW-7	**April-08**		**0.003 U**	**0.0083 B**	**0.01 U**	**0.0038**	**NA**	**NA**	**NA**
MW-8	Dec. 1991	Lower	U	U	U	U	NA	NA	NA
MW-8	Jan. 1993		U	U	U	U	NA	NA	NA
MW-8	Oct. 2000		U	U	U	U	2.01 B	U	17.3
MW-8	Nov. 2003		U	U	U	U	NA	NA	NA
MW-8	Mar. 2006		0.0134	U	U	0.0018 B	NA	NA	NA
MW-8	**April-08**		**0.003 U**	**0.0065 B**	**0.01 U**	**0.0048**	**NA**	**NA**	**NA**
MW-9	Dec. 1991	Lower	U	U	U	U	NA	NA	NA
MW-9	Jan. 1993		U	0.005 X	U	U	NA	NA	NA
MW-9 DUP	Jan. 1993		U	U	U	0.024	NA	NA	NA
MW-9	Nov. 2003		U	U	U	U	NA	NA	NA
MW-9	Mar. 2006		U	U	U	0.004	NA	NA	NA
MW-9	**April-08**		**0.003 U**	**0.0027 B**	**0.01 U**	**0.0181**	**NA**	**NA**	**NA**
MW-10	Dec. 1991	Lower	0.021	U	U	U	NA	NA	NA
MW-10	Jan. 1993		0.022	U	U	U	NA	NA	NA
MW-10	Oct. 2000		U	U	U	U	2.32 B	U	26.9
MW-10	Nov. 2003		U	U	U	U	NA	NA	NA
MW-10	March-05		U	U	U	U	NA	NA	NA
MW-10	November-05		U	U	U	U	NA	NA	NA
MW-10	Mar. 2006		U	U	U	U	NA	NA	NA
MW-10	June-06		NA	NA	NA	NA	2.2	NA	29
MW-10	October-06		U	U	U	U	2.0	NA	28.9
MW-10	April-07		U	U	U	U	NA	NA	NA
MW-10	Oct. 2007		U	U	U	U	NA	NA	NA
MW-10	**April-08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0015 U**	**NA**	**NA**	**NA**
MW-10	**Sept. '08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0015 U**	**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL*			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
MW-11	Dec. 1991	Upper	0.167	0.251	0.03	0.113	NA	NA	NA
MW-11	Jan. 1993		0.259	0.199	U	0.188	NA	NA	NA
MW-11	Oct. 2000		U	U	U	U	1.31 B	U	47.5
MW-11	Nov. 2003		U	U	U	U	NA	NA	NA
MW-11	Mar. 2006		U	U	U	U	NA	NA	NA
MW-11	**April-08**		**0.0048 B**	**0.0034 B**	**0.01 U**	**0.0064**	**NA**	**NA**	**NA**
MW-12	Dec. 1991	Upper	0.01	0.047	U	0.023	NA	NA	NA
MW-12	Jan. 1993		U	0.012 X	U	U	NA	NA	NA
MW-12	Oct. 2000		U	U	U	U	2.71	U	21.3
MW-12	Nov. 2003		U	U	U	U	NA	NA	NA
MW-12 DUP	Nov. 2003		U	U	U	U	NA	NA	NA
MW-12	Mar. 2006		0.008 B	U	U	U	NA	NA	NA
MW-12	**April-08**		**0.008 B**	**0.0066 B**	**0.01 U**	**0.017**	**NA**	**NA**	**NA**
MW-13	Dec. 1991	Upper	0.03	0.144	U	0.047	NA	NA	NA
MW-13	Jan. 1993		0.034	0.117	U	0.039	NA	NA	NA
MW-13	Oct. 2000		U	U	U	U	1.35 B	U	26
MW-13	Nov. 2003		U	U	U	U	NA	NA	NA
MW-13	Mar. 2006		U	0.0027 B	U	U	NA	NA	NA
MW-13	**April-08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0015 U**	**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL[a]			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
MW-14	Dec. 1991	Upper	0.051	0.343	0.05	0.123	NA	NA	NA
MW-14	Jan. 1993	Upper	0.083	0.373	U	0.173	NA	NA	NA
MW-14	Oct. 2000	Upper	U	U	U	U	1.85 B	U	30.4
MW-14	Nov. 2003		U	U	U	U	NA	NA	NA
MW-14	March-05		0.008	U	U	U	NA	NA	NA
MW-14	November-05		0.018	0.023	U	0.018	NA	NA	NA
MW-14	Mar. 2006		0.0133	0.0029 B	U	0.0043	NA	NA	NA
MW-14	June-06		NA	NA	NA	NA	1	NA	32
MW-14	October-06		0.0117	0.0045	U	0.0068	U	NA	53.7
MW-14	April-07		0.011	0.011	U	0.017	NA	NA	NA
MW-14	Oct. 2007		0.0085	U	U	U	NA	NA	NA
MW-14 Dup (MW-63)	Oct. 2007		0.001	U	U	U	NA	NA	NA
MW-14	**April-08**		**0.0172**	**0.002 U**	**0.19 U**	**0.0015 B**	**NA**	**NA**	**NA**
MW-14	**Sept. '08**		**0.0302**	**0.002 U**	**0.2 U**	**0.0015 U**	**NA**	**NA**	**NA**
MW-15	Dec. 1991	Upper	U	0.014	U	0.0039	NA	NA	NA
MW-15	Jan. 1993		0.031	0.147	U	0.051	NA	NA	NA
MW-15	Oct. 2000		0.0195	0.0975	U	0.0428	7.63	U	36.6
MW-15	Nov. 2003		U	0.0062	U	U	NA	NA	NA
MW-15	Mar. 2006		0.0151	0.0888	U	0.0364	NA	NA	NA
MW-15	**April-08**		**0.0197**	**0.072**	**0.01 U**	**0.0475**	**NA**	**NA**	**NA**
MW-16	Dec. 1991	Upper	0.0067	1.44	U	0.0042	NA	NA	NA
MW-16	Jan. 1993		0.0091	0.09	0.06	0.015	NA	NA	NA
MW-16	Oct. 2000		0.0051 B	0.0229	U	0.006	2.73 B	U	53.5
MW-16 DUP	Oct. 2000		U	0.0218	U	0.0036	2.64 B	U	50.5
MW-16	Nov. 2003		U	U	U	U	NA	NA	NA
MW-16	Mar. 2006		U	U	U	U	NA	NA	NA
MW-16	**April-08**		**0.003 U**	**0.002 U**	**0.02 U**	**0.002 U**	**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL*			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
MW-17	Jan. 1993	Lower	U	0.022 X	U	0.0079	NA	NA	NA
MW-17	Feb. 1993		U	0.010 X	U	U	NA	NA	NA
MW-17 DUP	Feb. 1993		U	0.0043 X	U	U	NA	NA	NA
MW-17	Oct. 2000		U	U	U	U	2.91 B	U	45.2
MW-17	Nov. 2003		U	U	U	U	NA	NA	NA
MW-17 DUP	Nov. 2003		U	U	U	U	NA	NA	NA
MW-17 DUP (MW-B)	Mar. 2006		U	U	U	U	NA	NA	NA
MW-17	Mar. 2006		U	U	U	U	NA	NA	NA
MW-17	**April-08**		**0.004 B**	**0.0122**	**0.01 U**	**0.002 U**	**NA**	**NA**	**NA**
MW-19	Jan. 1993		U	0.019 X	U	0.0046	NA	NA	NA
MW-19	Feb. 1993		U	0.024 X	U	0.0089	NA	NA	NA
MW-20	Jan. 1993	Upper	0.12	0.445	U	0.17	NA	NA	NA
MW-20	Feb. 1993		0.079	0.323	U	0.152	NA	NA	NA
MW-20	Nov. 2003		U	U	U	U	NA	NA	NA
MW-20	Nov. 2003		U	U	U	U	NA	NA	NA
MW-20	Mar. 2006		U	U	U	U	NA	NA	NA
MW-20	**April-08**		**0.0187**	**0.0295**	**0.01 U**	**0.0334**	**NA**	**NA**	**NA**
MW-21	Jan. 1993		0.047	0.616	U	0.159	NA	NA	NA
MW-23S	Jan. 1993	Upper	0.165	1.23	0.21	0.164	NA	NA	NA
MW-23	Feb. 1993		0.134	1.18	0.279	0.174	NA	NA	NA
MW-23	Oct. 2000		U	0.0367	U	U	1.72 B	U	135
MW-23	Nov. 2003		U	U	U	U	NA	NA	NA
MW-23	Mar. 2006		U	0.0068	U	U	NA	NA	NA
MW-23	October-06		0.0042	0.243	U	0.0035	NA	U	NA
MW-23	April-07		U	0.09	NA	U	NA	U	NA
MW-23	Oct. 2007		U	0.0065	NA	U	NA	U	NA
MW-23 (Dup RT-9)	Oct. 2007		U	0.006	NA	U	NA	U	NA
MW-23	**April-08**		**0.008 B**	**0.544**	**0.01 U**	**0.0151**	**NA**	**NA**	**NA**
MW-23	**Sept. '08**		**0.0369**	**3.45**	**0.01 U**	**0.0559**	**NA**	**NA**	**NA**
MW-23 DUP (926/0810039-07)	**Sept. '08**		**0.0336**	**3.35**	**0.023**	**0.0557**	**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)		Chromium (total) (mg/L)		Hexavalent Chromium (mg/L)		Lead (mg/L)		Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL*			0.01		0.1		NA		0.015		NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037		NA		0.140 (VI)		NA		NA	NA	NA
MW-49	March-05	PRB Lower	U		0.0056		U		U		NA	NA	NA
MW-49	November-05		U		U		U		U		NA	NA	NA
MW-49	Mar. 2006		U		U		U		U		NA	NA	NA
MW-49S(Std. Purge)	June-06		NA		NA		NA		NA		1.6	NA	17
MW-49	Oct. 2006		U		U		U		U		1.4	NA	15
MW-49	April-07		U		U		U		U		NA	NA	NA
MW-49	Oct. 2007		U		U		U		U		NA	NA	NA
MW-49	**April-08**		**0.003**	**U**	**0.0031**	**B**	**0.01**	**U**	**0.0023**	**B**	**NA**	**NA**	**NA**
MW-49 DUP (430)	**April-08**		**0.003**	**U**	**0.002**	**U**	**0.01**	**U**	**0.002**	**U**	**NA**	**NA**	**NA**
MW-49	**Sept. '08**		**0.003**	**U**	**0.002**	**U**	**0.01**	**U**	**0.0015**	**U**	**NA**	**NA**	**NA**
MW-49 DUP (926/0810039-01)	**Sept. '08**		**0.003**	**U**	**0.002**	**U**	**0.01**	**U**	**0.0015**	**U**	**NA**	**NA**	**NA**
MW-50	March-05	PRB Upper	U		U		U		U		NA	NA	NA
MW-50	November-05		U		U		U		U		NA	NA	NA
MW-50	Mar. 2006		U		U		U		U		NA	NA	NA
MW-50S(Std. Purge)	June-06		NA		NA		NA		NA		U	NA	12
MW-50	Oct. 2006		U		U		U		U		U	NA	6.2
MW-50	April-07		U		0.002		U		U		NA	NA	NA
MW-50	Oct. 2007		U		U		U		U		NA	NA	NA
MW-50	**April-08**		**0.003**	**U**	**0.0166**		**0.01**	**U**	**0.002**	**U**	**NA**	**NA**	**NA**
MW-50	**Sept. '08**		**0.003**	**U**	**0.0076**	**B**	**0.01**	**U**	**0.0015**	**B**	**NA**	**NA**	**NA**
MW-51	Nov. 2003	Upper	U		U		U		U		NA	NA	NA
MW-51	Mar. 2005		U		U		U		U		NA	NA	NA
MW-51	November-05		U		U		U		U		NA	NA	NA
MW-51	Mar. 2006		U		U		U		U		NA	NA	NA
MW-51	June-06		NA		NA		NA		NA		1.2	NA	11
MW-51	October-06		U		U		U		U		U	NA	8.9
MW-51	April-07		U		U		U		U		NA	NA	NA
MW-51	Oct. 2007		U		U		U		U		NA	NA	NA
MW-51	**April-08**		**0.003**	**U**	**0.002**	**U**	**0.01**	**U**	**0.0015**	**U**	**NA**	**NA**	**NA**
MW-51	**Sept. '08**		**0.003**	**U**	**0.0096**	**B**	**0.1**	**U**	**0.0065**		**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL[a]			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
MW-52	Nov. 2003	Lower	U	U	U	U	NA	NA	NA
MW-52	March-05		U	U	U	U	NA	NA	NA
MW-52	November-05		U	U	U	U	NA	NA	NA
MW-52 DUP	November-05		U	U	U	U	NA	NA	NA
MW-52	Mar. 2006		U	U	U	U	NA	NA	NA
MW-52	June-06		NA	NA	NA	NA	1.6	NA	18
MW-52	Oct. 2006		U	U	U	U	1.5	NA	17
MW-52	April-07		U	U	U	U	NA	NA	NA
MW-52	Oct. 2007		U	U	U	U	NA	NA	NA
MW-52	**April-08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0015 U**	**NA**	**NA**	**NA**
MW-52	**Sept. '08**		**0.003 U**	**0.0046 B**	**0.2 U**	**0.0029 B**	**NA**	**NA**	**NA**
MW-53	Nov. 2003	Upper	U	U	U	U	NA	NA	NA
MW-53	March-05		U	U	U	U	NA	NA	NA
MW-53	November-05		U	U	U	U	NA	NA	NA
MW-53	Mar. 2006		U	U	U	U	NA	NA	NA
MW-53	June-06		NA	NA	NA	NA	1	NA	10
MW-53	October-06		U	U	U	U	1.9	NA	16.7
MW-53	April-07		U	U	U	U	NA	NA	NA
MW-53	Oct. 2007		U	U	U	U	NA	NA	NA
MW-53	**April-08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0027 B**	**NA**	**NA**	**NA**
MW-53	**Sept. '08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0015 U**	**NA**	**NA**	**NA**
MW-54	Nov. 2003	Lower	U	U	U	U	NA	NA	NA
MW-54	March-05		U	U	U	U	NA	NA	NA
MW-54	November-05		U	U	U	U	NA	NA	NA
MW-54	Mar. 2006		U	U	U	U	NA	NA	NA
MW-54	June-06		NA	NA	NA	NA	1.5	NA	18
MW-54	October-06		U	U	U	U	1.4	NA	17.9
MW-54	April-07		U	U	U	U	NA	NA	NA
MW-54	Oct. 2007		U	U	U	U	NA	NA	NA
MW-54	**April-08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0037**	**NA**	**NA**	**NA**
MW-54	**Sept. '08**		**0.003 U**	**0.0042 B**	**0.12**	**0.0038**	**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL[a]			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
RT-1	Jan. 1993	Upper	NA	0.019	U	NA	NA	NA	NA
RT-1 DUP	Jan. 1993		NA	0.045	U	NA	NA	NA	NA
RT-1	Oct. 2000		U	U	U	U	U	U	87.8
RT-1	Nov. 2003		U	0.0063	U	U	NA	NA	NA
RT-1	**April-08**		**0.003 U**	**0.0029 B**	**0.01 U**	**0.0021 B**	**NA**	**NA**	**NA**
RT-1	**Sept. '08**		**0.003 U**	**0.002 U**	**0.01 U**	**0.0015 U**	**NA**	**NA**	**NA**
RT-2	Jan. 1993	Upper	NA	20.1	18	NA	NA	NA	NA
RT-2	Oct. 2000		U	7.22	7.8	U	2.21 B	U	68.9
RT-2	Nov. 2003		U	8.2	9	U	NA	NA	NA
RT-2	October-06		U	21.6	18.6	U	NA	U	NA
RT-2 DUP (MWRT-AC)	October-06		U	21	25.7	U	NA	U	NA
RT-2	April-07		U	14	NA	U	NA	U	NA
RT-2	Oct. 2007		U	10	NA	U	NA	U	NA
RT-2	**April-08**		**0.003 U**	**3.840**	**0.003**	**0.0077**	**NA**	**NA**	**NA**
RT-2	**Sept. '08**		**0.0116**	**3.790**	**1.8**	**0.0252**	**NA**	**NA**	**NA**
RT-3	Jan. 1993	Upper	NA	58.8	51	NA	NA	NA	NA
RT-3	Oct. 2000		U	6.89	6.4	U	1.9 B	U	108
RT-3	Nov. 2003		U	23	28	U	NA	NA	NA
RT-3	**April-08**		**0.003 U**	**12.9**	**12.0**	**0.002 U**	**NA**	**NA**	**NA**
RT-4	Jan. 1993	Upper	NA	0.132	U	NA	NA	NA	NA
RT-4	Oct. 2000		0.0078 B	U	U	U	U	U	104
RT-4	Nov. 2003		0.016	0.006	NA	U	NA	NA	NA
RT-4	October-06		0.0123	0.005	U	U	NA	U	NA
RT-4	April-07		0.013	U	NA	U	NA	U	NA
RT-4	Oct. 2007		0.011	U	NA	U	NA	U	NA
RT-4	**April-08**		**0.0129**	**0.002 U**	**0.01 U**	**0.002 U**	**NA**	**NA**	**NA**
RT-4	**Sept. '08**		**0.0131**	**0.002 U**	**0.01 U**	**0.0024 B**	**NA**	**NA**	**NA**

TABLE 10

RESULTS FOR DETECTED INORGANICS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

Well Name	Sample Date	Well Type	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)
USEPA MCL*			0.01	0.1	NA	0.015	NA	0.05	NA
Site Specific Risk 1x10-6*			0.000037	NA	0.140 (VI)	NA	NA	NA	NA
RT-5	Jan. 1993	Upper	NA	0.181	U	NA	NA	NA	NA
RT-5	Oct. 2000		U	0.0092 B	U	U	1.94 B	U	62.8
RT-5	Nov. 2003		U	0.024	U	U	NA	NA	NA
RT-5	October-06		U	0.0038	U	U	NA	U	NA
RT-5	April-07		U	0.0029	NA	U	NA	U	NA
RT-5 DUP (RT-KK)	April-07		U	0.0065	NA	U	NA	U	NA
RT-5	Oct. 2007		U	0.0030	NA	U	NA	U	NA
RT-5	**April-08**		**0.0034 B**	**0.286**	**0.01 U**	**0.009**	**NA**	**NA**	**NA**
RT-5	**Sept. '08**		**0.0216**	**0.345**	**0.01 U**	**0.0241**			

Notes:
* Shading indicate that result exceeded USEPA MCLs
U = Below Detection Limit
D = Result from sample dilution
J = Result was estimated
B = Value is less than the PQL but greater than or equal to MDL
E = Exceeds the highest concentration level on the standard curve
X = Result associated with a laboratory contaminant
NA = Not Available or Not Analyzed
NS = Analyte was not sampled
(4) = The Sample was analyzed out of the USEPA holding time

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Electron Acceptors								Indicators of Degradation									
Well	Date	Dissolved Oxygen mg/L	Nitrate/ Nitrite (as N) mg/L	Total Manganese mg/L	Field Manganese mg/L	Total Iron mg/L	Field Iron (II) mg/L	Sulfate mg/L	Field Sulfide mg/L	Carbon Dioxide mg/L	Alkalinity-Bicarbonate (as CaCO3) mg/L	Alkalinity-Carbonate (as CaCO3) mg/L	Methane mg/L	Ethane mg/L	Ethene mg/L	Acetylene mg/L	Volatile Fatty Acids mg/L	Chloride mg/L
MW-1	Aug '91	NS	U	NS	NS	NS	NS	89	NS	NS	376	U	NS	NS	NS	NS	NS	106
MW-1	Dec '91	NS	NS	NS	NS	NS	NS	67	NS	NS	U	92	NS	NS	NS	NS	NS	28
MW-1	Jan '93	NS	0.02	NS	NS	NS	NS	142	NS	NS	288	U	NS	NS	NS	NS	NS	67
MW-1	Nov '03	4.5	U	3.3000	NS	41	8	120	<0.1	200	160	U	0.18	0.0045	0.018	NS	U	54
MW-1	Mar '06	0	U	1.8400	0	25.2	5	88	0	35	140	U	0.0028	0.00031	0.00015	NS	17	34
MW-1	**Apr '08**	**1.0**	**0.56**	**2.04**	**0**	**35.40**	**>5.0**	**108.0**	**0.4**	**125**	**98**	**1 U**	**0.088**	**0.0062**	**0.006**	**NS**	**14.0**	**24.0**
MW-2	Aug '91	NS	U	NS	NS	NS	NS	39	NS	NS	13	U	NS	NS	NS	NS	NS	376
MW-2	Dec '91	NS	0.09	NS	NS	NS	NS	36	NS	NS	NS	NS	NS	NS	NS	NS	NS	342
MW-2	Jan '93	NS	0.04	NS	NS	NS	NS	38	NS	NS	34	U	NS	NS	NS	NS	NS	361
MW-2	Oct '98	<0.2	U	U	0.1	4.0	3.5	36	0	190	64	U	NS	NS	NS	NS	24	NS
MW-3	Aug '91	NS	U	NS	NS	NS	NS	26	NS	NS	42	U	NS	NS	NS	NS	NS	3.4
MW-3	Dec '91	NS	1.1	NS	NS	NS	NS	19	NS	NS	NS	NS	NS	NS	NS	NS	NS	34
MW-3	Jan '93	NS	0.71	NS	NS	NS	NS	28	NS	NS	5.4	U	NS	NS	NS	NS	NS	16
MW-3	Mar '06	NS	0.59	0.0933	0	7.26	0	24	0	90	11	U	0.0011	U	U	NS	17	29
MW-4	Aug '91	NS	U	NS	NS	NS	NS	22	NS	NS	56	U	NS	NS	NS	NS	NS	175
MW-4	Dec '91	NS	NS	NS	NS	NS	NS	22	NS	NS	55	U	NS	NS	NS	NS	NS	161
MW-4	Jan '93	NS	0.05	NS	NS	NS	NS	18	NS	NS	55	U	NS	NS	NS	NS	NS	159
MW-4	Nov '03	0.9	U	0.3300	0	5.0	4.5	20	0	160	59	U	0.32	0.039	0.21	NS	U	190
MW-4	Mar '06	0.4	U	0.4650	0	4.77	3.3	19	0	120	73	U	0.2	0.036	0.13	NS	75	170
MW-4	**Apr '08**	**8.35**	**0.25 U**	**2.400**	**0**	**97.200**	**>5.0**	**19.0**	**0.3**	**65**	**59**	**1 U**	**0.27**	**0.056**	**0.15**	**NS**	**21.0**	**180.0**
MW-4 DUP (425)	**Apr '08**	**8.35**	**0.25 U**	**0.377**	**0**	**7.380**	**>5.0**	**17.0**	**0.3**	**65**	**62**	**1 U**	**0.26**	**0.047**	**0.13**	**NS**	**28.0**	**190.0**
MW-5	Aug '91	NS	U	NS	NS	NS	NS	37	NS	NS	29	U	NS	NS	NS	NS	NS	38
MW-5	Dec '91	NS	NS	NS	NS	NS	NS	83	NS	NS	408	U	NS	NS	NS	NS	NS	71
MW-5	Jan '93	NS	1.9	NS	NS	NS	NS	33	NS	NS	25	U	NS	NS	NS	NS	NS	64
MW-5	Oct '98	0.4	U	0.1600	0.1	U	0	55	0	150	40	U	NS	NS	NS	NS	14	NS
MW-5 Dup	Oct '98	0.4	U	0.1500	0	U	0	53	0	155	35	U	NS	NS	NS	NS	7.5	NS
MW-5	Nov '03	2	0.96	U	0	U	0	31	0	100	38	U	0.00023	0.000014	0.000073	NS	50	24
MW-5	Mar '05	2.5	NS	NS	0	NS	0	NS	0.1	85	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	Nov '05	3	NS	NS	0	NS	0	NS	0	100	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	Mar '06	3	0.81	U	0	U	0	24	NA	45	29	U	0.0034	0.00022	0.0003	NS	19	24
MW-5	Oct '06	2	0.81	U	0	U	0	28	0	65	32	U	0.005	0.00018	0.000062	U	17	25
MW-5	Apr '07	2.41	NS	NS	0	NS	0	NS	0	65	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	Oct '07	1.69	NS	NS	0	NS	0	NS	0	65	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	**Apr '08**	**0.58**	**1.4**	**0.003 U**	**0**	**0.030 U**	**0**	**19.0**	**0**	**65**	**36**	**1 U**	**0.00039**	**0.000089**	**U**	**NS**	**7.1 U**	**130.0**
MW-5	**Sept. '08**	**0.44**	**1.2**	**0.0037 B**	**0**	**0.0606 B**	**0**	**22.1**	**0**	**90**	**41.5**	**1 U**	**0.0006**	**0.00012**	**0.000016 J**	**NS**	**14.0 U**	**20.2**
MW-6	Aug '91	NS	U	NS	NS	NS	NS	20	NS	NS	39	U	NS	NS	NS	NS	NS	170
MW-6	Dec '91	NS	NS	NS	NS	NS	NS	14	NS	NS	84	U	NS	NS	NS	NS	NS	191
MW-6	Jan '93	NS	0.47	NS	NS	NS	NS	12	NS	NS	111	U	NS	NS	NS	NS	NS	255
MW-6	Nov '03	0.3	U	0.2700	0	25	6	13	0.3	195	37	U	0.64	0.027	0.5	NS	43	120
MW-6	Mar '06	0.2	U	0.2190	0	22.3	4.5	14	0.1	20	54	U	0.51	0.034	0.3	NS	33	100
MW-6	**Apr '08**	**12.71**	**0.25 U**	**0.386**	**0**	**108.0**	**>5.0**	**2.4**	**0.1**	**110**	**60**	**1 U**	**1.4**	**0.099**	**0.61**	**NS**	**21.0**	**260.0**
MW-7	Aug '91	NS	U	NS	NS	NS	NS	13	NS	NS	23	U	NS	NS	NS	NS	NS	9.6
MW-7 DUP	Aug '91	NS	0.03	NS	NS	NS	NS	17	NS	NS	50	U	NS	NS	NS	NS	NS	11
MW-7	Dec '91	NS	1.2	NS	NS	NS	NS	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	10
MW-7	Jan '93	NS	0.24	NS	NS	NS	NS	15	NS	NS	31	U	NS	NS	NS	NS	NS	16
MW-7	Nov '03	1	U	0.0840	0	7.6	0.25	11	0	90	44	U	0.00082	0.000021	0.000038	NS	21	3.6
MW-7	Mar '06	0	U	0.0726	0	0.581	0	8.8	0	95	45	U	0.0047	0.000038	0.000072	NS	U	3.1
MW-7	**Apr '08**	**4.53**	**0.25 U**	**0.381**	**0**	**4.32**	**0.5**	**19.0**	**0**	**80**	**43**	**1 U**	**0.018**	**0.00002 J**	**0.000018 J**	**NS**	**14.0**	**3.0**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Electron Acceptors									Indicators of Degradation									
Well	Date	Dissolved Oxygen mg/L	Nitrate/ Nitrite (as N) mg/L		Total Manganese mg/L		Field Manganese mg/L	Total Iron mg/L		Field Iron (II) mg/L	Sulfate mg/L	Field Sulfide mg/L	Carbon Dioxide mg/L	Alkalinity-Bicarbonate (as CaCO3) mg/L	Alkalinity-Carbonate (as CaCO3) mg/L		Methane mg/L	Ethane mg/L	Ethene mg/L	Acetylene mg/L	Volatile Fatty Acids mg/L	Chloride mg/L
MW-8	Dec '91	NS	0.92		NS		NS	NS		NS	72	NS	NS	64	U		NS	NS	NS	NS	NS	5.2 X
MW-8	Jan '93	NS	0.58		NS		NS	NS		NS	81	NS	NS	45	U		NS	NS	NS	NS	NS	5.2
MW-8	Nov '03	0.3	U		0.2300		0	10		70	71	0	120	39	U		0.02	0.0003	0.00032	NS	50	3.2
MW-8	Mar '06	1	U		0.2830		0	42.5		3.7	67	0	55	31	U		0.0076	0.000074	0.00018	NS	U	2.7
MW-8	**Apr '08**	**5.87**	**0.43**		**0.300**		**0**	**8.27**		**4.3**	**68.0**	**0**	**65**	**150**	**1**	**U**	**0.0048**	**0.000005 J**	**0.000043**	**NS**	**14.0**	**3.9**
MW-9	Dec '91	NS	1.1		NS		NS	NS		NS	NS	NS	NS	U	6		NS	NS	NS	NS	NS	7.7 X
MW-9	Jan '93	NS	U		NS		NS	NS		NS	NS	NS	NS	93	U		NS	NS	NS	NS	NS	3.5
MW-9 DUP	Jan '93	NS	0.05		NS		NS	NS		NS	NS	NS	NS	92	U		NS	NS	NS	NS	NS	3.8
MW-9	Nov '03	0.05	U		0.1200		NS	2.9		2.6	12	<0.1	75	74	U		0.00051	0.000015	0.000056	NS	43	4.2
MW-9	Mar '06	0.4	U		0.2400		0	5.58		2.6	12	0	25	75	U		0.003	0.00028	0.00076	NS	U	4
MW-9	**Apr '08**	**10.28**	**0.25**	**U**	**0.274**		**0**	**8.19**		**1.2**	**11.0**	**0**	**40**	**65**	**1**	**U**	**0.00055**	**0.000008 J**	**0.000012 J**	**NS**	**14.0**	**4.7**
MW-10	Dec '91	NS	NS		NS		NS	NS		NS	30	NS	NS	32	U		NS	NS	NS	NS	NS	39
MW-10	Jan '93	NS	0.13		NS		NS	NS		NS	39	NS	NS	26	102		NS	NS	NS	NS	NS	40
MW-10	Oct '98	0.4	U		0.3000		0.1	1.6		1.4	21	0	45	56	U		NS	NS	NS	NS	5.8	NS
MW-10	Nov '03	0.4	U		0.3300		0.2	1.4		1.5	22	0	65	43	U		0.00056	0.0000095	0.000018	NS	21	35
MW-10	Mar '05	0.4	NA		NA		0.2	NA		2.9	NA	0	65	NA	NA		NA	NA	NA	NS	NA	NS
MW-10	Nov '05	1	NA		NA		0	NA		2	NA	0	55	NA	NA		NA	NA	NA	NS	NA	NS
MW-10	Mar '06	0	U		0.2770		0	1.42		2.5	22	0	35	36	U		0.013	0.00035	0.0013	NS	38	33
MW-10	Jun '06	0.4	NS		NS		0	1.3		2	21	0	70	34	U		0.0036	0.00018	0.000053	U	NS	30
MW-10	Oct '06	0.8	U		0.2390		0	1.24		1.2	23	0	30	33	U		0.007	0.00063	0.00022	U	17	30
MW-10	Apr '07	0.5	NS		NS		0	NS		1.5	NS	0	65	NS	NS		NS	NS	NS	NS	NS	NS
MW-10	Oct '07	0.37	NS		NS		0	NS		1.3	NS	0	80	NS	NS		NS	NS	NS	NS	NS	NS
MW-10	**Apr '08**	**1.63**	**0.25**	**U**	**0.266**		**0**	**0.700**		**0.7**	**23.0**	**0**	**60**	**38**	**1**	**U**	**0.00058**	**0.000051**	**0.000011 J**	**NS**	**14.0**	**26.0**
MW-10	**Sept. '08**	**0.24**	**0.6**	**U**	**0.192**		**0**	**1.000**		**1**	**22.6**	**0**	**35**	**39.1**	**1**	**U**	**0.00021**	**0.00002 J**	**0.000014 J**	**NS**	**14.3**	**25.2**
MW-11	Dec '91	NA	0.51		NA		NA	NA		NA	112	NA	NA	81	U		NA	NA	NA	NS	NA	12
MW-11	Jan '93	NA	0.26		NA		NA	NA		NA	118	NA	NA	117	U		NA	NA	NA	NS	NA	9.6
MW-11	Nov '03	0.5	0.98		0.1500		0.1	0.094		0	56	0	70	71	U		0.0054	0.00022	0.00026	NS	21	2.5
MW-11	Mar '06	NA	0.46		0.2900		0	0.134		0	79	0	35	110	4.2		0.0042	0.00093	0.00021	NS	U	3
MW-11	**Apr '08**	**11.04**	**0.25**	**U**	**10.9**		**0**	**35.1**		**5.0**	**99.0**	**0**	**115**	**150**	**1**	**U**	**0.0006**	**0.000004J**	**U**	**NS**	**14.0**	**4.0**
MW-12	Dec '91	NS	0.45		NS		NS	NS		NS	17	NS	NS	80	U		NS	NS	NS	NS	NS	10
MW-12	Jan '93	NS	1.2		NS		NS	NS		NS	18	NS	NS	43	U		NS	NS	NS	NS	NS	9.6
MW-12	Oct '98	2.2	1.8		0.0530		0	0.18		0.1	23	0	45	58	U		NS	NS	NS	NS	4.8	NS
MW-12	Nov '03	2.5	1.2		0.0210		NS	0.18		0	14	<0.1	110	42	U		0.001	0.000044	0.00034	NS	28	2.8
MW-12 DUP	Nov '03	2.5	1.2		0.0190		NS	0.15		0	14	<0.1	110	46	U		0.00068	0.00004	0.000055	NS	28	2.7
MW-12	Mar '06	0.1	U		3.5300		0	15.70		1.6	12	0	NS	66	U		0.019	0.00021	0.00057	NS	19	5.3
MW-12	**Apr '08**	**14.2**	**0.25**	**U**	**2.15**		**0**	**8.36**		**3.0**	**14.0**	**0**	**60**	**71**	**1**	**U**	**0.0013**	**U**	**0.000009 J**	**NS**	**20.0**	**7.4**
MW-13	Dec '91	NA	1.1		NA		NA	NA		NA	23	NA	NA	43	U		NA	NA	NA	NS	NA	24
MW-13	Jan '93	NA	0.65		NA		NA	NA		NA	22	NA	NA	25	U		NA	NA	NA	NS	NA	33
MW-13	Nov '03	6	0.82		0.0068		0	0.34		0	19	0	50	26	U		0.0026	0.00014	0.00025	NS	U	6.9
MW-13	Mar '06	3	0.93		U		0	U		0	39	0	30	33	U		0.00061	U	U	NS	19	22
MW-13	**Apr '08**	**2.76**	**1.3**		**0.003**	**U**	**0**	**0.0381**	**B**	**0**	**36.0**	**0**	**50**	**28**	**1**	**U**	**0.00039**	**0.000004 J**	**0.000047**	**NS**	**14.0**	**1.3**
MW-14	Dec '91	NA	NA		NA		NA	NA		NA	24	NA	NA	1.7 X	U		NA	NA	NA	NS	NA	43
MW-14	Jan '93	NA	0.36		NA		NA	NA		NA	19	NA	NA	34	U		NA	NA	NA	NS	NA	30
MW-14	Oct '98	1.2	U		0.0020		0	U		0.1	18	0	55	41	U		NA	NA	NA	NS	U	NA
MW-14	Nov '03	1.5	U		U		NS	U		0	20	<0.1	100	41	U		0.00051	0.000024	0.000039	NS	21	32
MW-14	Mar '05	0.15	NA		NA		0.8	NA		1.5	NA	0.1	35	NA	NA		NA	NA	NA	NS	NA	NA
MW-14	Nov '05	1	NA		NA		0	NA		1.8	NA	0	10	NA	NA		NA	NA	NA	NS	NA	NA
MW-14	Mar '06	0.1	U		0.3940		0	3.51		1.5	U	0.50	5	30	U		8	0.25	0.076	NS	19	43
MW-14	Jun '06	0.7	NS		NS		0	10		0.8	U	0.30	5	23	U		9.9	0.41	0.12	U	NS	34
MW-14	Oct '06	0.2	U		0.358		0	5.17		2.1	9.6	0.30	10	77	U		4.7	0.28	0.077	U	17	31.6
MW-14	Apr '07	0.7	NS		NS		0	NS		1.1	NS	0.10	5	NS	NS		NS	NS	NS	NS	NS	NS
MW-14	Oct '07	0.06	NS		NS		0	NS		1.2	NS	0.10	10	NS	NS		NS	NS	NS	NS	NS	NS
MW-14	**Apr '08**	**0.0**	**0.25**	**U**	**2.76**		**0.2**	**9.08**	**B**	**2.1**	**25.0**	**0**	**40**	**80**	**1**	**U**	**NS**	**NS**	**NS**	**NS**	**21.0**	**24.0**
MW-14	**Sept. '08**	**0.24**	**0.6**	**U**	**2.01**		**0.45**	**13.10**		**5**	**31.6**	**0**	**85**	**69.1**	**1**	**U**	**0.45**	**0.027**	**0.016**	**NS**	**27.8**	**18.8**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Electron Acceptors									Indicators of Degradation									
Well	Date	Dissolved Oxygen mg/L	Nitrate/ Nitrite (as N) mg/L		Total Manganese mg/L	Field Manganese mg/L	Total Iron mg/L		Field Iron (II) mg/L	Sulfate mg/L		Field Sulfide mg/L	Carbon Dioxide mg/L	Alkalinity-Bicarbonate (as CaCO3) mg/L	Alkalinity-Carbonate (as CaCO3) mg/L		Methane mg/L	Ethane mg/L	Ethene mg/L	Acetylene mg/L	Volatile Fatty Acids mg/L	Chloride mg/L
MW-15	Dec '91	NA	NA		NA	NA	NA		NA	25		NA	NA	46	U		NA	NA	NA	NS	NA	76
MW-15	Jan '93	NA	0.81		NA	NA	NA		NA	26		NA	NA	36	U		NA	NA	NA	NS	NA	77
MW-15	Nov '03	1	1.8		0.0880	0	3.3		2	17		0	125	28	U		0.015	0.0005	0.00036	NS	78	33
MW-15	Mar '06	0.6	1.1		0.7800	0	65.5		0	18		0	70	24	U		0.0025	0.000059	0.00013	NS	17	35
MW-15	**Apr '08**	**8.12**	**1.1**		**1.31**	**0**	**66.0**		**>5.0**	**17.0**		**0**	**75**	**19**	**1**	**U**	**0.0037**	**0.000036**	**U**	**NS**	**28.0**	**45.0**
MW-16	Dec '91	NA	NA		NA	NA	NA		NA	25		NA	NA	66	U		NA	NA	NA	NS	NA	68
MW-16	Jan '93	NA	0.79		NA	NA	NA		NA	28		NA	NA	26	U		NA	NA	NA	NS	NA	107
MW-16	Nov '03	0.4	0.26		0.3300	0.2	0.51		0.7	20		0	175	6.5	U		0.17	0.0003	0.00067	NS	71	540
MW-16	Mar '06	0.2	U		0.9950	0	3.1		1	20		0	20	U	U		0.063	0.00011	0.00036	NS	25	860
MW-16	**Apr '08**	**0.40**	**0.25**	**U**	**1.16**	**0**	**4.32**		**5.0**	**19.0**		**0**	**110**	**NS**	**1**	**U**	**0.19**	**0.00014**	**0.00017**	**NS**	**36.0**	**1000.0**
MW-17	Jan '93	NA	0.02		NA	NA	NA		NA	95		NA	NA	60	U		NA	NA	NA	NS	NA	21
MW-17	Feb '93	NA	U		NA	NA	NA		NA	47		NA	NA	64	U		NA	NA	NA	NS	NA	23 X
MW-17 DUP	Feb '93	NA	0.05 X		NA	NA	NA		NA	109		NA	NA	63	U		NA	NA	NA	NS	NA	26 X
MW-17	Oct '98	<0.2	U		0.3200	0.1	5.2		4.3	87		0	45	60	U		NA	NA	NA	NS	2.9	NA
MW-17	Nov '03	0.4	U		0.1800	0.1	3.7		0	70		0.1	150	U	U		0.2	0.0065	0.0044	NS	21	24
MW-17 DUP	Nov '03	0.4	U		0.1800	0	3.7		0	70		0	140	U	U		0.2	0.0066	0.0046	NS	21	24
MW-17	Mar '06	0.3	U		0.1420	0	2.93		1.9	71		0	55	54	U		0.073	0.0041	0.0028	NS	U	20
MW-17 DUP (MW-B)	Mar '06	0.3	U		0.1420	0	2.85		1.9	71		0	55	55	U		NS	NS	NS	NS	U	20
MW-17	**Apr '08**	**1.34**	**0.25**	**U**	**1.61**	**0**	**8.87**		**3.8**	**70.0**		**0**	**55**	**57**	**1**	**U**	**0.04**	**0.0018**	**0.001**	**NS**	**14.0**	**21.0**
MW-19	Jan '93	NA	0.05		NA	NA	NA		NA	36		NA	NA	35	U		NA	NA	NA	NS	NA	33
MW-19	Feb '93	NA	U		NA	NA	NA		NA	47		NA	NA	28	U		NA	NA	NA	NS	NA	32
MW-20	Jan '93	NA	1.5		NA	NA	NA		NA	43		NA	NA	36	U		NA	NA	NA	NS	NA	7.5
MW-20	Feb '93	NA	0.89		NA	NA	NA		NA	63		NA	NA	29	U		NA	NA	NA	NS	NA	12 X
MW-20	Nov '03	1	1.4		0.0560	0	0.24		0	47		0	75	21	U		0.0034	0.00014	0.00037	NS	28	8
MW-20	Mar '06	2	0.45		0.0759	0	0.417		0	45		0	85	47	U		0.00075	U	U	NS	17	6.9
MW-20	**Apr '08**	**12.22**	**0.25**	**U**	**11.1**	**0**	**34.9**		**1.2**	**26.0**		**0**	**65**	**130**	**1**	**U**	**0.0008**	**U**	**U**	**NS**	**20.0**	**3.2**
MW-21	Jan '93	NA	1.3		NA	NA	NA		NA	40		NA	NA	79	U		NA	NA	NA		NA	12
MW-21	Feb '93	NA	0.04 X		NA	NA	NA		NA	533		NA	NA	20	U		NA	NA	NA		NA	12 X
MW-23S	Jan '93	NA	0.1		NA	NA	NA		NA	142		NA	NA	138	U		NA	NA	NA	NS	NA	60
MW-23	Feb '93	NA	U		NA	NA	NA		NA	163		NA	NA	116	U		NA	NA	NA	NS	NA	54
MW-23	Nov '03	1	U		2.2000	0	0.21		0	90		0	90	100	U		0.96	0.021	0.0047	NS	U	25
MW-23	Mar '06	0.3	U		2.0200	0	U		0	110		0	80	0.15	U		0.73	0.019	0.0054	NS	17	42
MW-23	Oct '06	0.3	NA		NA	0	NA		0	NA		0	115	NA	NA		NS	NS	NS	NS	NA	NA
MW-23	**Apr '08**	**0.33**	**0.52**		**NA**	**0**	**NA**		**0.0**	**99.0**		**0**	**60**	**160**	**1**	**U**	**0.5**	**0.0084**	**0.0058**	**NS**	**14.0**	**34.0**
MW-23	**Sept. '08**	**0.02**	**0.25**	**U**	**2.61**	**0**	**102.00**		**0.0**	**87.4**		**0**	**65**	**120**	**1**	**U**	**0.29**	**0.0052**	**0.0015**	**NS**	**14.3**	**22.9**
MW-23 DUP (926/0810039-07)	**Sept. '08**	**0.02**	**0.25**	**U**	**2.40**	**0**	**92.00**		**0.0**	**103.0**		**0**	**65**	**189**	**1**	**U**	**0.25**	**0.0053**	**0.0012**	**NS**	**21.4**	**26.1**
MW-24	Jan '93	NA	0.25		NA	NA	NA		NA	20		NA	NA	18	U		NA	NA	NA	NS	NA	85
MW-24	Feb '93	NA	U		NA	NA	NA		NA	56		NA	NA	45	U		NA	NA	NA	NS	NA	114
MW-25S	Jan '93	NA	0.01		NA	NA	NA		NA	91		NA	NA	206	U		NA	NA	NA	NS	NA	121
MW-25	Feb '93	NA	0.03 X		NA	NA	NA		NA	82		NA	NA	170	U		NA	NA	NA	NS	NA	149
MW-25	Nov '03	3	U		0.0550	0	0.43		0	28		0	80	63	U		1.1	0.096	0.72	NS	U	33
MW-25	Mar '06	0.6	U		0.1940	0	5.41		0	86		0	45	36	U		0.0032	0.00012	0.0027	NS	18	13
MW-25	**Apr '08**	**4.54**	**0.25**	**U**	**0.0675**	**NA**	**5.54**		**1.0**	**41.0**		**0**	**135**	**81**	**1**	**U**	**0.71**	**0.069**	**0.16**	**NS**	**12.0**	**83.0**
MW-41	Nov '03	3	U		0.2900	NS	U		0	53		<0.1	115	70	U		0.2	0.011	0.089	NS	U	58
MW-41	Mar '05	0.05	NA		NA	0.4	NA		4	NA		>5	25	NA	NA		NA	NA	NA	NS	NA	NA
MW-41	Nov '05	0.8	NA		NA	0	NA		0.3	NA		0.5	20	NA	NA		NA	NA	NA	NS	NA	NA
MW-41	Mar '06	0.8	U		1.140	0	1.3		0.5	U		0.3	5	67	U		5	0.75	0.4	NS	57	61
MW-41	Jun '06	0.6	NS		NS	0	0.75		0.9	U		0.5	10	38	U		7.6	2	0.37	U	NS	70
MW-41	Oct '06	0.6	U		0.985	0	1.05		0.9	U		0.1	5	36	U		4.7	0.98	0.26	U	17	79
MW-41	Apr '07	0.7	NS		NS	0	NS		0	NS		0.3	Sat.	NS	NS		NS	NS	NS	NS	NS	NS
MW-41	Oct '07	0.14	NS		NS	0	NS		0	NS		0.5	5	NS	NS		NS	NS	NS	NS	NS	NS
MW-41	**Apr '08**	**5.6**	**0.25**	**U**	**0.595**	**0**	**0.819**	**B**	**0.4**	**0.5**	**U**	**0**	**<3.0**	**26**	**1**	**U**	**12**	**2**	**0.26**	**NS**	**28.0**	**110.0**
MW-41	**Sept. '08**	**0.3**	**0.6**	**U**	**1.12**	**0**	**5.640**		**2.35**	**0.5**	**U**	**0.1**	**20**	**29.9**	**1**	**U**	**9.8**	**2.3**	**0.94**	**NS**	**14.0**	**U** **117.0**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Electron Acceptors												Indicators of Degradation											
Well	Date	Dissolved Oxygen mg/L		Nitrate/ Nitrite (as N) mg/L		Total Manganese mg/L		Field Manganese mg/L	Total Iron mg/L		Field Iron (II) mg/L	Sulfate mg/L		Field Sulfide mg/L		Carbon Dioxide mg/L	Alkalinity-Bicarbonate (as CaCO3) mg/L		Alkalinity-Carbonate (as CaCO3) mg/L		Methane mg/L	Ethane mg/L	Ethene mg/L	Acetylene mg/L	Volatile Fatty Acids mg/L		Chloride mg/L
MW-42	Nov '03	0.2		U		0.5400		NS	U		3.2	75		0		115	72		U		0.2	0.006	0.022	NS	U		60
MW-42	Mar '05	0.2		NA		NA		0.3	NA		22 (10x)	NA		>25 (25x)		95	NA		NA		NA	NA	NA	NS	NA		NA
MW-42	Nov '05	0		NA		NA		0.5	NA		10 (2x)	NA		5		110	NA		NA		NA	NA	NA	NS	NA		NA
MW-42	Mar '06	0		U		0.7600		0	3.9		3.6	1.2		1		125	240		U		15	0.26	1.3	NS	110		73
MW-42	Jun '06	0.3		NS		NS		0	3.1		3	0.77		2		75	190		U		27	0.81	1.7	U	NS		75
MW-42	Oct '06	0.4		U		0.479		0	2.42		3.1	65		0.7		120	150		U		13	1.7	0.67	U	U		75
MW-42	Apr '07	0.2		NS		NS		0	NS		2.4	NS		0.7		135	NS		NS		NS	NS	NS	NS	NS		NS
MW-42	Oct '07	0.1		NS		NS		0	NS		1	NS		1		45	NS		NS		NS	NS	NS	NS	NS		NS
MW-42	**Apr '08**	**4.29**		**0.25**	**U**	**0.237**		**0**	**2.01**		**1.8**	**0.5**	**U**	**0**		**65**	**110**		**1**	**U**	**15**	**1.9**	**0.99**	**NS**	**28.0**		**68.0**
MW-42	**Sept. '08**	**0.18**		**0.6**	**U**	**0.195**		**0**	**2.40**		**1.7**	**0.72**		**0**		**90**	**94.6**		**1**	**U**	**11**	**1.8**	**0.88**	**NS**	**21.4**		**56.6**
MW-43	Mar '05	0.2		NA		NA		0	NA		130	NA		0		NA	NA		NA		NA	NA	NA	NS	NA		NA
MW-43	Nov '05	0.2		NA		NA		0	NA		0	NA		0		NA	NA		NA		NA	NA	NA	NS	NA		NA
MW-43	Apr '06	1		U		0.0130		0	0.53		0	U		NA		NA	U		4.2		2	2.2	0.056	NS	71		100
MW-43S	Jun '06	0.4		NS		NS		0	U		0	U		0		Sat.	U		42		4.9	3	0.059	U	NS		93
MW-43	Oct '06	0.87		U		0.013		0	0.14		0	U		0		Sat.	14		16		2.4	1.6	0.019	U	58		140
MW-43 DUP (MW-AC)	Oct '06	0.87		U		0.013		0	0.13		0	U		0		Sat.	18		12		2.4	1.7	0.023	U	50		140
MW-43	May '07	0.06		NS		NS		0	NS		0	NS		0		85	NS		NS		NS	NS	NS	NS	NS		NS
MW-43	Oct '07	0.1		NS		NS		0	NS		0	NS		0		Sat.	NS		NS		NS	NS	NS	NS	NS		NS
MW-43	**Apr '08**	**2.13**		**0.25**	**U**	**0.0505**		**NA**	**2.86**		**0**	**0.089**		**0**		**ND**	**24**		**12**		**8.5**	**3.4**	**2**	**NS**	**38.0**		**120.0**
MW-43	**Sept. '08**	**0.09**		**0.6**	**U**	**0.0073**	**B**	**0**	**0.03**	**U**	**0**	**0.500**	**U**	**0**		**0**	**27.3**		**24**		**11**	**3.7**	**1.1**	**NS**	**25.3**		**133.0**
MW-44	Mar '05	0.2		NA		NA		0	NA		180	NA		0		NA	NA		NA		NA	NA	NA	NS	NA		NA
MW-44	Nov '05	0.2		NA		NA		0	NA		0	NA		0		NA	NA		NA		NA	NA	NA	NS	NA		NA
MW-44	Apr '06	1		U		0.013		NS	0.38		0	0.78		NS		5	36		50		4.6	1.3	0.24	NS	98		50
MW-44 DUP (MW-F)	Apr '06	NS		U		0.014		NS	0.38		NS	0.95		NS		NS	29		58		4.7	1.2	0.23	NS	18		50
MW-44S	Jun '06	0.4		U		0.0160		0	0.094		0	1.6		0		Sat.	29		44		5.8	1.1	3.1	0.0057	14		50
MW-44	Oct '06	0.4		U		0.0098		NS	0.032		NS	18		NS		NS	50		26		3.9	0.89	0.32	0.0063	17		46
MW-44	May '07	0.08		NS		NS		0	NS		0	NS		0		Sat.	NS		NS		NS	NS	NS	NS	NS		NS
MW-44	Oct '07	0.09		NS		NS		0	NS		0	NS		0		Sat.	NS		NS		NS	NS	NS	NS	NS		NS
MW-44	**Apr '08**	**1.41**		**0.25**	**U**	**0.041**		**NA**	**2.11**		**0**	**1.1**		**0**		**ND**	**35**		**1.8**		**5.6**	**0.44**	**0.22**	**NS**	**6.3**	**U**	**13.0**
MW-44	**Sept. '08**	**0.15**		**0.25**	**U**	**0.0039**	**B**	**0**	**0.03**	**U**	**0**	**0.5**	**U**	**0**		**0**	**21.2**		**35.4**		**4.7**	**0.36**	**0.12**	**NS**	**35.7**		**43.9**
MW-45	Nov '03	2		U		0.3200		0	4.90		0	120		0		100	87		U		0.072	0.0049	0.091	NS	U		38
MW-45	Mar '05	1.5		NA		NA		0	NS		0	NS		0		80	NS		NS		NS	NS	NS	NS	NS		NS
MW-45	Nov '05	1		NA		NA		0.2	NS		0	NS		0		100	NS		NS		NS	NS	NS	NS	NS		NS
MW-45	Mar '06	2		0.33		0.4330		0	U		0	47		0		70	58		U		0.12	0.0073	0.059	NS	17		54
MW-45	Jun '06	0.14		NS		NS		NS	NS		NS	54		NS		NS	58		U		0.21	0.012	0.041	U	NS		53
MW-45	Oct '06	0.6		U		0.672		0	U		0	65		0		90	75		U		1.7	0.012	0.016	U	U		86
MW-45	Apr '07	0.26		NS		NS		0	NS		0	NS		0		130	NS		NS		NS	NS	NS	NS	NS		NS
MW-45	Oct '07	0.06		NS		NS		0	NS		0	NS		0		75	NS		NS		NS	NS	NS	NS	NS		NS
MW-45	**Apr '08**	**0.00**		**0.25**	**U**	**0.735**		**0**	**1.07**		**1.8**	**50.0**		**0**		**90**	**45**		**1**	**U**	**0.39**	**0.0083**	**0.018**	**NS**	**14.0**		**150.0**
MW-45	**Sept. '08**	**0.21**		**0.6**	**U**	**1.6**		**0**	**37.60**		**2.5**	**50.8**		**0**		**100**	**60.7**		**1**	**U**	**0.45**	**0.0079**	**0.016**	**NS**	**27.8**		**138.0**
MW-46	Nov '03	0.3		U		1.0000		NS	1.10		2	110		U		115	87		U		0.19	0.0044	0.016	NS	36		38
MW-46	Mar '05	0.2		NA		NA		0.3	NS		3	NS		0		45	NS		NS		NS	NS	NS	NS	NS		NS
MW-46	Nov '05	0.3		NA		NA		0.3	NS		3	NS		0		95	NS		NS		NS	NS	NS	NS	NS		NS
MW-46	Mar '06	0.8		U		0.8150		0	2.2		1.4	95		0		75	65		U		0.19	0.0079	0.015	NS	U		34
MW-46	Jun '06	1		NS		NS		0	2.7		2	91		0		NS	68		U		0.2	0.0082	0.013	U	NS		35
MW-46	Oct '06	0.65		U		0.573		0	3.65		2.9	99		0		55	62		U		0.2	0.0067	0.015	U	17		36
MW-46	Apr '07	0.4		NS		NS		0	NS		1.5	NS		0		85	NS		NS		NS	NS	NS	NS	NS		NS
MW-46	Oct '07	0.08		NS		NS		0	NS		3.6	NS		0		80	NS		NS		NS	NS	NS	NS	NS		NS
MW-46	**Apr '08**	**0.00**		**0.25**	**U**	**1.03**		**0**	**1.07**		**0.8**	**96.0**		**0**		**80**	**69**		**1**	**U**	**0.22**	**0.0061**	**0.0059**	**NS**	**14.0**		**30.0**
MW-46	**Sept. '08**	**0.18**		**0.6**	**U**	**0.791**		**<0.1**	**25.10**		**3.9**	**94.4**		**0**		**130**	**92.2**		**1**	**U**	**0.025**	**0.0051**	**0.004**	**NS**	**14.3**		**29.3**
MW-46 DUP (923)	**Sept. '08**	**0.18**		**0.6**	**U**	**0.708**		**<0.1**	**7.97**		**3.9**	**95.2**		**0**		**130**	**70.3**		**1**	**U**	**0.00051**	**0.000083**	**0.000011 J**	**NS**	**21.4**		**29.9**
MW-47	Nov '03	3		U		0.0120		0	0.23		0	8.2		0		70	7.6		U		0.0021	0.0000053	0.000074	NS	U		2.6
MW-47	Mar '05	0		NA		NA		0.3	NS		55	NS		0		81	NS		NS		NS	NS	NS	NS	NS		NS
MW-47	Nov '05	0		NA		NA		0.2	NS		1	NS		0		30	NS		NS		NS	NS	NS	NS	NS		NS
MW-47	Mar '06	1		U		0.4220		0	4.72		3	0.61		0		10	31		U		6.9	0.0083	0.00008	NS	19		8.8
MW-47	Jun '06	0.2		NS		NS		0	3.8		2.2	0.92		0		22.5	26		U		8.6	0.0069	0.000064	U	NS		8.4
MW-47	Oct '06	0		U		0.357		0	3.82		0	0.55		0		25	20		U		4	0.0072	0.00041	U	25		9
MW-47	Apr '07	0.7		NS		NS		0	NS		1.9	NS		0		15	NS		NS		NS	NS	NS	NS	NS		NS
MW-47	Oct '07	0.1		NS		NS		0	NS		2.5	NS		0.1		10	NS		NS		NS	NS	NS	NS	NS		NS
MW-47	**Apr '08**	**NA**		**0.25**	**U**	**0.370**		**0**	**20.80**		**0**	**3.4**		**NA**		**35**	**25**		**1**	**U**	**4.1**	**0.045**	**0.00025**	**NS**	**28.0**		**7.1**
MW-47	**Sept. '08**	**0.90**		**0.6**	**U**	**0.288**		**0**	**12.90**		**3**	**2.6**		**0**		**25**	**20**		**1**	**U**	**7.4**	**0.052**	**0.000034**	**NS**	**14.0**	**U**	**8.6**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Electron Acceptors									Indicators of Degradation										
Well	Date	Dissolved Oxygen mg/L	Nitrate/ Nitrite (as N) mg/L		Total Manganese mg/L	Field Manganese mg/L	Total Iron mg/L	Field Iron (II) mg/L	Sulfate mg/L		Field Sulfide mg/L	Carbon Dioxide mg/L	Alkalinity-Bicarbonate (as CaCO3) mg/L	Alkalinity-Carbonate (as CaCO3) mg/L		Methane mg/L	Ethane mg/L	Ethene mg/L	Acetylene mg/L	Volatile Fatty Acids mg/L		Chloride mg/L
MW-48	Nov '03	0.7	U		0.1600	0	0.11	0	20		0	100	20	U		0.00088	0.000029	0.00072	NS	36		15
MW-48	Mar '05	0	NA		NA	0.4	NS	60	NS		0	89.1	NS	NS		NS	NS	NS	NS	NS		NS
MW-48	[illegible]	0	NA		NA	0.1	NS	2.1	NS		0	35	NS	NS		NS	NS	NS	NS	NS		NS
MW-48	Mar '06	0	U		0.3560	0	7.37	3.9	2.5		0	150	69	U		0.74	0.036	0.0019	NS	U		20
MW-48	Jun '06	0.28	NS		NS	0	7	2.2	4.8		0	30	48	U		8.4	0.26	0.036	U	NS		18
MW-48	Oct '06	0.8	U		1.13	0	20.1	3.2	22		0.05	130	66	U		1.3	0.072	0.026	U	U		29
MW-48	Apr '07	0.5	NS		NS	0	NS	1.3	NS		0	25	NS	NS		NS	NS	NS	NS	NS		NS
MW-48	Oct '07	0.27	NS		NS	0	NS	3.8	NS		0	65	NS	NS		NS	NS	NS	NS	NS		NS
MW-48	**Apr '08**	**NA**	**0.25**	**U**	**0.0404**	**0**	**0.836**	**0**	**4.5**		**NA**	**20**	**33**	**1**	**U**	**0.0014**	**0.0021**	**0.00014**	**NS**	**28.0**		**28.0**
MW-48	**Sept. '08**	**0.18**	**0.6**	**U**	**0.517**	**0**	**11.000**	**0**	**8.5**		**0**	**30**	**51.1**	**1**	**U**	**0.00055**	**0.0056**	**0.000074**	**NS**	**14.3**		**28.5**
MW-49	Mar '05	0	NA		NA	0.4	NS	190	NS		0	40	NS	NS		NS	NS	NS	NS	NS		NS
MW-49	Nov '05	0	NA		NA	0	NS	0.8	NS		0	20	NS	NS		NS	NS	NS	NS	NS		NS
MW-49	Apr '06	0.4	U		U	0	0.2	0	U		0	5	14	21		3.8	0.054	0.033	NS	36		10
MW-49S	Jun '06	0.9	NS		NS	0	0.19	0	U		0	5	30	4		8.8	0.28	0.2	0.001	NS		15
MW-49	Oct '06	0.6	U		0.0045	0	0.26	0	U		0	Sat.	29	2		3.1	0.1	0.05	U	U		12
MW-49	May '07	0.03	NS		NS	0	NS	0	NS		0	Sat.	NS	NS		NS	NS	NS	NS	NS		NS
MW-49	Oct '07	0.26	NS		NS	0	NS	0	NS		0	Sat.	NS	NS		NS	NS	NS	NS	NS		NS
MW-49	**Apr '08**	**4.88**	**0.25**	**U**	**0.0413**	**NA**	**2.09**	**0.8**	**4.7**		**0**	**<10**	**47**	**1**	**U**	**3.3**	**0.12**	**0.11**	**NS**	**6.3**		**17.0**
MW-49 DUP (430)	**Apr '08**	**4.88**	**0.25**	**U**	**0.0329**	**NA**	**1.20**	**0.8**	**1.2**		**0**	**<10**	**42**	**1.3**		**5.5**	**0.23**	**0.22**	**NS**	**12.0**		**19.0**
MW-49	**Sept. '08**	**0.17**	**0.25**	**U**	**0.0263**	**<0.1**	**0.725**	**3.9**	**0.5**	**U**	**0**	**130**	**42**	**1.7**		**4.4**	**0.22**	**0.17**	**NS**	**21.4**		**24.6**
MW-49 DUP (926/0810039-01)	**Sept. '08**	**0.17**	**0.25**	**U**	**0.0248**	**<0.2**	**0.678**	**3.9**	**0.5**	**U**	**0**	**130**	**41.7**	**1.3**		**4.9**	**0.24**	**0.19**	**NS**	**14.3**		**24.6 ??**
MW-50	Mar '05	0	NA		NA	0.3	NS	110	NS		0	35	NS	NS		NS	NS	NS	NS	NS		NS
MW-50	Nov '05	1	NA		NA	0	NS	0	NS		0	5	NS	NS		NS	NS	NS	NS	NS		NS
MW-50	Apr '06	0.1	U		0.1700	0	4.2	0	1.9		0	90	20	U		4.9	0.012	0.0016	NS	18		18
MW-50S	Jun '06	0.7	NS		NS	0	2.9	0	U		0	34	15	U		14	0.017	0.0023	U	NS		13
MW-50	Oct '06	0.5	U		21	0	0.75	0	U		0.1	Sat.	10	U		4.8	0.031	0.0067	U	U		5.6
MW-50	May '07	0.07	NS		NS	0	NS	0	NS		0	50	NS	NS		NS	NS	NS	NS	NS		NS
MW-50	Oct '07	0.02	NS		NS	0	NS	0	NS		0	20	NS	NS		NS	NS	NS	NS	NS		NS
MW-50	**Apr '08**	**4.97**	**0.25**	**U**	**1.75**	**NA**	**81.40**	**1.8**	**35.0**		**0**	**30**	**37**	**1**	**U**	**6.4**	**0.061**	**0.017**	**NS**	**6.3**	**U**	**34.0**
MW-50	**Sept. '08**	**0.18**	**0.6**	**U**	**2.18**	**0**	**121.00**	**15**	**0.5**	**U**	**0.2**	**0**	**37.4**	**1**	**U**	**8.4**	**0.14**	**0.041**	**NS**	**14.0**	**U**	**19.8**
MW-51	Nov '03	0.6	0.29		0.0190	0	0.48	0	16		0	100	20	U		0.00021	0.0000078	0.000064	NS	21		13
MW-51	Mar '05	0.9	NA		NA	0	NA	0.9	NS		0	45	NS	NS		NS	NS	NS	NS	NS		NS
MW-51	Nov '05	1	NA		NA	0	NA	0	NS		0	70	NS	NS		NS	NS	NS	NS	NS		NS
MW-51	Mar '06	0.2	0.33		0.0107 B	0	0.104	0	9.8		0	55	8.9	U		0.00093	0.000035	0.000066	NS	17		4.3
MW-51	Jun '06	0.63	NS		NS	0	0.23	0	13		0	50	4	U		0.018	0.00049	0.00021	U	NS		8
MW-51	Oct '06	3	U		0.0149	0	0.644	0	9.9		0	30	5.5	U		0.0037	0.000083	0.00027	U	25		4
MW-51	Apr '07	0.98	NS		NS	0	NS	0	NS		0	40	NS	NS		NS	NS	NS	NS	NS		NS
MW-51	Oct '07	0.7	NS		NS	0	NS	0	NS		0	30	NS	NS		NS	NS	NS	NS	NS		NS
MW-51	**Apr '08**	**18.68**	**0.48**		**0.0169**	**0**	**0.030**	**U**	**0**		**20.0**	**0**	**65**	**16**	**1**	**U**	**0.00089**	**0.00043**	**0.000018 J**	**NS**	**14.0**		**15.0**
MW-51	**Sept. '08**	**1.22**	**0.6**	**U**	**0.0768**	**0**	**4.260**	**0.6**	**13.7**		**0**	**40**	**10**	**1**	**U**	**0.00014**	**0.00032**	**0.000025 U**	**NS**	**14.3**		**8.1**
MW-52	Nov '03	0.4	U		0.0570	NS	0.29	0.4	25		<0.1	95	24	U		0.0018	0.000029	0.00024	NS	28		17
MW-52	Mar '05	1.5	NA		NA	0	NS	0.7	NA		0	45	NS	NS		NS	NS	NS	NS	NS		NS
MW-52	Nov '05	0.2	NA		NA	0	NS	0.1	NA		0	65	NS	NS		NS	NS	NS	NS	NS		NS
MW-52	Mar '06	0	U		0.0210	0	0.163	0	21		0	70	23	U		0.0009	0.000044	0.00012	NS	17		16
MW-52	Jun '06	0.16	NS		NS	0	0.41	0	21		0	55	12	U		0.0087	0.00038	0.00052	U	NS		17
MW-52	Oct '06	0.1	U		0.041	0	1.2	1.2	22		0	70	52	U		0.0018	0.000053	0.000072	U	25		17
MW-52	Apr '07	0.1	NS		NS	0	NS	1.2	NS		0	90	NS	NS		NS	NS	NS	NS	NS		NS
MW-52	Oct '07	0.05	NS		NS	0	NS	1.6	NS		0	65	NS	NS		NS	NS	NS	NS	NS		NS
MW-52	**Apr '08**	**6.68**	**0.25**	**U**	**0.0343**	**0**	**0.757**	**0.3**	**21.0**		**0**	**60**	**19**	**1**	**U**	**0.00039**	**0.000038**	**0.00003**	**NS**	**14.0**		**16.0**
MW-52	**Sept. '08**	**0.00**	**0.6**	**U**	**0.0622**	**0**	**6.710**	**3.5**	**21.3**		**0**	**115**	**25.2**	**1**	**U**	**0.0022**	**0.00047**	**0.0002**	**NS**	**14.3**		**18.1**
MW-53	Nov '03	0.7	0.66		0.0200	0	U	0	22		0	100	14	U		0.00049	0.000011	0.0002	NS	U		12
MW-53	Mar '05	0.8	NA		NA	0	NS	0	NS		0	55	NS	NS		NS	NS	NS	NS	NS		NS
MW-53	Nov '05	0.4	NA		NA	0	NS	0	NS		0	75	NS	NS		NS	NS	NS	NS	NS		NS
MW-53	Mar '06	0.3	0.27		0.0079	0	U	0	17		0	15	22	U		0.0011	0.000061	0.000048	NS	17		6.5
MW-53	Jun '06	1.9	NS		NS	0	U	0	11		0	20	5	U		0.0069	0.00029	0.0003	U	NS		5.2
MW-53	Oct '06	2	U		0.0134	0	U	0	20		0	80	23	U		0.0046	0.00011	0.0004	U	17		14
MW-53	Apr '07	0.2	NS		NS	0	NS	0	NS		0	95	NS	NS		NS	NS	NS	NS	NS		NS
MW-53	Oct '07	0.11	NS		NS	0	NS		NS		0	70	NS	NS		NS	NS	NS	NS	NS		NS
MW-53	**Apr '08**	**2.13**	**0.31**		**0.0225**	**0**	**0.201**	**0.8**	**16.0**		**0**	**65**	**31**	**1**	**U**	**0.0068**	**0.0009**	**0.0017**	**NS**	**14.0**		**9.3**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Electron Acceptors									Indicators of Degradation									
Well	Date	Dissolved Oxygen mg/L	Nitrate/ Nitrite (as N) mg/L		Total Manganese mg/L	Field Manganese mg/L	Total Iron mg/L	Field Iron (II) mg/L	Sulfate mg/L	Field Sulfide mg/L	Carbon Dioxide mg/L	Alkalinity-Bicarbonate (as CaCO3) mg/L	Alkalinity-Carbonate (as CaCO3) mg/L		Methane mg/L	Ethane mg/L	Ethene mg/L	Acetylene mg/L	Volatile Fatty Acids mg/L	Chloride mg/L
MW-53	**Sept. '08**	**0.26**	**0.6**	**U**	**0.0165**	**0**	**0.030**	**0**	**16.7**	**0**	**80**	**34.4**	**1**	**U**	**0.00029**	**0.000076**	**0.0001**	**NS**	**21.4**	**10.1**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Electron Acceptors									Indicators of Degradation									
Well	Date	Dissolved Oxygen mg/L	Nitrate/ Nitrite (as N) mg/L		Total Manganese mg/L	Field Manganese mg/L	Total Iron mg/L		Field Iron (II) mg/L	Sulfate mg/L	Field Sulfide mg/L	Carbon Dioxide mg/L	Alkalinity-Bicarbonate (as CaCO3) mg/L	Alkalinity-Carbonate (as CaCO3) mg/L		Methane mg/L	Ethane mg/L	Ethene mg/L	Acetylene mg/L	Volatile Fatty Acids mg/L	Chloride mg/L
MW-54	Nov '03	0.6	0.41		0.0300	0	0.16		0	22	0	90	23	U		0.0013	0.000024	0.0009	NS	21	13
MW-54	Mar '05	0.4	NS		NS	0	NS		0.1	NS	0	45	NS	NS		NS	NS	NS	NS	NS	NS
MW-54	Nov '05	0.2	NS		NS	0	NS		0	NS	0	95	NS	NS		NS	NS	NS	NS	NS	NS
MW-54	Mar '06	1	0.33		0.0146	0	U		0	20	0	65	23	U		0.23	0.000026	0.000055	NS	17	12
MW-54	Jun '06	0.1	NS		NS	0	U		0	20	0	25	7.5	U		0.013	0.00047	0.000094	U	NS	13
MW-54	Oct '06	1	U		0.0146	0	U		0	21	0	95	18	U		0.0056	0.0001	0.00033	U	25	14
MW-54	Apr '07	0.14	NS		NS	0	NS		0	NS	0	90	NS	NS		NS	NS	NS	NS	NS	NS
MW-54	Oct '07	0.05	NS		NS	0	NS		0	NS	0	75	NS	NS		NS	NS	NS	NS	NS	NS
MW-54	**Apr '08**	**1.28**	**0.25**	**U**	**0.0181**	**0**	**0.0759**	**B**	**0**	**18.0**	**0**	**65**	**19**	**1**	**U**	**0.0014**	**0.0001**	**0.00015**	**NS**	**21.0**	**12.0**
MW-54	**Sept. '08**	**0.19**	**0.6**	**U**	**0.0253**	**0**	**1.68**		**0.5**	**17.9**	**0**	**80**	**28**	**1**	**U**	**0.00051**	**0.000083**	**0.000011J**	**NS**	**21.4**	**11.7**
RT-1	Jan '93	NS	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-1 DUP	Jan '93	NS	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-1	Nov '03	1.5	U		0.1100	NS	U		0	93	<0.1	125	52	U		0.0034	0.0001	U	NS	43	65
RT-1	Mar '06	0.6	NS		NS	0	NS		0	NS	0	85	NS	NS		NS	NS	NS	NS	NS	NS
RT-1	**Apr '08**	**0.19**	**0.85**		**NA**	**0**	**NA**		**0**	**81.0**	**0**	**80**	**37**	**1**	**U**	**0.0027**	**0.000088**	**0.000011 J**	**NS**	**20.0**	**44.0**
RT-1	**Sept. '08**	**0.06**	**0.25**		**0.225**	**0**	**0.030**		**0**	**92.1**	**0**	**130**	**50.3**	**1**	**U**	**0.0076**	**0.00015**	**0.000015 J**	**NS**	**21.4**	**60.3**
RT-2	Jan '93	NS	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-2	Nov '03	5	U		0.6400	0.2	U		0	55	0	250	160	U		1.3	0.098	0.2	NS	U	82
RT-2	Mar '06	5	NS		NS	0	NS		0	NS	0	NA	NS	NS		NS	NS	NS	NS	NS	NS
RT-2	Apr-07	0.5	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-2	Oct-07	0.14	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-2	**Apr '08**	**0.15**	**0.25**	**U**	**NA**	**0**	**NA**		**0**	**100.0**	**0**	**75**	**63**	**1**	**U**	**0.13**	**0.004**	**0.0076**	**NS**	**20.0**	**33.0**
RT-2	**Sept. '08**	**3.89**	**0.25**	**U**	**2.06**	**<0.1**	**26.90**		**0**	**95.6**	**0**	**11**	**76.7**	**1**	**U**	**0.2**	**0.0056**	**0.016**	**NS**	**14.3**	**43.5**
RT-3	Jan-93	NA	NA		NA	NA	NA		NA	NA	NA	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-3	Nov-03	12	U		1.1000	NS	U		0.6	56	<0.1	250	120	U		1.1	0.1	0.35	NS	21	94
RT-3	Nov-03	NA	U		3.8000	NA	4.4		NA	60	NA	NA	160	U		0.21	0.022	0.013	NS	36	24
RT-3	Mar-06	12	NS		NS	0	NS		0		0	NA	NS	NS		NS	NS	NS	NS	NS	NS
RT-3	**Apr '08**	**0.41**	**0.25**	**U**	**0.792**	**0**	**1.34**		**0**	**85.0**	**0**	**120**	**110**	**1**	**U**	**0.42**	**0.017**	**0.025**	**NS**	**14.0**	**40.0**
RT-4	Jan-93	NA	NA		NA	NA	NA		NA	NA	NA	NA	NA	NA		NA	NA	NA	NS	NA	NA
RT-4	Mar-06	NA	NS		NS	NA	NS		NA	NA	NA	NA	NS	NS		NS	NS	NS	NS	NS	NS
RT-4	Apr-07	6.4	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-4	Oct-07	3.01	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-4	**Apr '08**	**5.03**	**0.25**	**U**	**NA**	**0**	**NA**		**0.5**	**58.0**	**0**	**25**	**150**	**1**	**U**	**0.39**	**0.04**	**0.022**	**NS**	**13.0**	**26.0**
RT-4	**Sept. '08**	**1.49**	**0.25**	**U**	**2.61**	**0**	**1.00**		**<0.1**	**52.5**	**0**	**30**	**147**	**1**	**U**	**0.35**	**0.034**	**0.016**	**NS**	**57.1**	**23.2**
RT-5	Jan-93	NS	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-5	Nov-03	1	U		0.7000	NS	0.96		1.4	110	<0.1	115	52	U		0.16	0.0034	0.0098	NS	U	37
RT-5	Mar-06	0.6	NS		NS	0	NS		0	NS	0	40	NS	NS		NS	NS	NS	NS	NS	NS
RT-5	Apr-07	0.69	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-5	Oct-07	0.6	NS		NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
RT-5	**Apr '08**	**0.0**	**0.25**	**U**	**NA**	**0**	**NA**		**0.4**	**73**	**0**	**60**	**62**	**1**	**U**	**0.25**	**0.31**	**0.001**	**NS**	**20.0**	**16.0**
RT-5	**Sept. '08**	**3.24**	**0.25**	**U**	**1.05**	**0**	**49.6**		**0**	**62**	**0**	**60**	**51.9**	**1**	**U**	**0.069**	**0.0081**	**0.00036**	**NS**	**21.4**	**10.2**

Notes
U = Not Detected
D = Sample was diluted
J = Sample was estimated
B = The constituent was also detected in a blank
E = Exceeds the highest concentration level on the standard curve
X = Result associated with a laboratory contaminant
N =
NA = Not Available or Not Analyzed
NS = Not Sampled

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Nutrients							Geochemical Parameters			
Well	Date	TOC mg/L	Total Phosphorus (as P) mg/L	TKN mg/L	Ammonia (as N), Non-Distilled mg/L		Nitrate/ Nitrite (as N) mg/L		pH	Conductivity µmhos/cm	Temperature °C	Eh mV
MW-1	Aug '91	NS	NS	NS	NS		U		NS	NS	NS	NS
MW-1	Dec '91	NS	NS	NS	NS		NS		NS	NS	NS	NS
MW-1	Jan '93	NS	NS	NS	NS		0.02		NS	NS	NS	NS
MW-1	Nov '03	3.1	6.9	1.2	U		U		6.58	730	21.4	-45
MW-1	Mar '06	NS	0.77	0.74	0.52		U		6.08	540	18.2	-21
MW-1	**Apr '08**	**NS**	**1.5**	**5.9**	**1.5**		**0.56**		**6.38**	**557**	**18.75**	**-72.0**
MW-2	Aug '91	NS	NS	NS	NS		U		NS	NS	NS	NS
MW-2	Dec '91	NS	NS	NS	NS		0.09		NS	NS	NS	NS
MW-2	Jan '93	NS	NS	NS	NS		0.04		NS	NS	NS	NS
MW-2	Oct '98	NS	0.10	0.48	0.13		U		NS	NS	NS	126
MW-3	Aug '91	NS	NS	NS	NS		U		NS	NS	NS	NS
MW-3	Dec '91	NS	NS	NS	NS		1.1		NS	NS	NS	NS
MW-3	Jan '93	NS	NS	NS	NS		0.71		NS	NS	NS	NS
MW-3	Mar '06	NS	0.12	U	U		0.59		6.05	181	17.2	206
MW-4	Aug '91	NS	NS	NS	NS		U		NS	NS	NS	NS
MW-4	Dec '91	NS	NS	NS	NS		NS		NS	NS	NS	NS
MW-4	Jan '93	NS	NS	NS	NS		0.05		NS	NS	NS	NS
MW-4	Nov '03	3.5	0.47	U	U		U		5.90	695	21.1	47
MW-4	Mar '06	NS	0.45	U	0.21		U		6.85	705	18.5	-10
MW-4	**Apr '08**	**NS**	**21**	**2.6**	**0.32**		**0.25**	**U**	**6.05**	**767**	**18.3**	**50.0**
MW-4 DUP (425)	**Apr '08**	**NS**	**5.9**	**1.4**	**0.15**		**0.25**	**U**	**6.05**	**767**	**18.3**	**50.0**
MW-5	Aug '91	NS	NS	NS	NS		U		NS	NS	NS	NS
MW-5	Dec '91	NS	NS	NS	NS		NS		NS	NS	NS	NS
MW-5	Jan '93	NS	NS	NS	NS		1.9		NS	NS	NS	NS
MW-5	Oct '98	NS	0.033	U	U		U		NS	NS	NS	281
MW-5 Dup.	Oct '98	NS	0.028	U	U		U		NS	NS	NS	281
MW-5	Nov '03	U	0.077	U	U		0.96		5.90	233	19.8	224
MW-5	Mar '05	NS	NS	NS	NS		NS		5.60	387	18.4	-163
MW-5	Nov '05	NS	NS	NS	NS		NS		6.10	223	22.3	215
MW-5	Mar '06	NS	0.05	U	U		0.81		5.70	202	17.2	132
MW-5	Oct '06	U	0.043	U	U		0.81		5.87	228	20.11	247.8
MW-5	Apr '07	NS	NS	NS	NS		NS		4.95	233	17.23	325.4
MW-5	Oct '07	NS	NS	NS	NS		NS		5.68	231	20.24	183.7
MW-5	**Apr '08**	**NS**	**0.068**	**0.5**	**U**	**0.2**	**U**	**1.4**	**5.52**	**231**	**17.7**	**259.0**
MW-5	**Sept. '08**	**NS**	**0.091**	**1.7**		**0.2**	**U**	**1.2**	**5.79**	**84.7**	**20.4**	**162.0**
MW-6	Aug '91	NS	NS	NS	NS		U		NS	NS	NS	NS
MW-6	Dec '91	NS	NS	NS	NS		NS		NS	NS	NS	NS
MW-6	Jan '93	NS	NS	NS	NS		0.47		NS	NS	NS	NS
MW-6	Nov '03	16	1.1	U	U		U		5.78	510	23.6	-27
MW-6	Mar '06	NS	0.92	U	0.051		U		5.83	459	17.8	4
MW-6	**Apr '08**	**NS**	**5.0**	**1.6**	**0.20**		**0.25**	**U**	**5.64**	**619**	**17.3**	**-51.0**
MW-7	Aug '91	NS	NS	NS	NS		U		NS	NS	NS	NS
MW-7 DUP	Aug '91	NS	NS	NS	NS		0.03		6.69	NS	NS	NS
MW-7	Dec '91	NS	NS	NS	NS		1.2		NS	NS	NS	NS
MW-7	Jan '93	NS	NS	NS	NS		0.24		NS	NS	NS	NS
MW-7	Nov '03	1.2	0.2	U	U		U		6.20	94	18.3	275
MW-7	Mar '06	NS	0.025	U	U		U		5.68	15.1	15.1	98
MW-7	**Apr '08**	**NS**	**0.071**	**0.78**	**0.1**	**U**	**0.25**	**U**	**5.72**	**130**	**16.6**	**393.0**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Nutrients								Geochemical Parameters			
Well	Date	TOC mg/L	Total Phosphorus (as P) mg/L		TKN mg/L		Ammonia (as N), Non-Distilled mg/L		Nitrate/ Nitrite (as N) mg/L		pH	Conductivity µmhos/cm	Temperature °C	Eh mV
MW-8	Dec '91	NS	NS		NS		NS		0.92		NS	NS	NS	NS
MW-8	Jan '93	NS	NS		NS		NS		0.58		NS	NS	NS	NS
MW-8	Nov '03	U	0.48		U		U		U		5.90	273	17.4	133
MW-8	Mar '06	NS	2.4		U		0.089		U		5.87	231	22.1	65
MW-8	**Apr '08**	**NS**	**0.70**		**0.57**		**0.1**	**U**	**0.43**		**5.58**	**239**	**16.8**	**-13.0**
MW-9	Dec '91	NS	NS		NS		NS		1.1		NS	NS	NS	NS
MW-9	Jan '93	NS	NS		NS		NS		U		NS	NS	NS	NS
MW-9 DUP	Jan '93	NS	NS		NS		NS		0.05		NS	NS	NS	NS
MW-9	Nov '03	U	0.058		U		U		U		6.59	170	21.7	74
MW-9	Mar '06	NS	0.17		U		0.28		U		6.34	179	12.7	5
MW-9	**Apr '08**	**NS**	**0.79**		**1.7**		**0.1**	**U**	**0.25**	**U**	**5.84**	**187**	**19**	**5.0**
MW-10	Dec '91	NS	NS		NS		NS		NS		NS	NS	NS	NS
MW-10	Jan '93	NS	NS		NS		NS		0.13		NS	NS	NS	NS
MW-10	Oct '98	NS	0.058		U		0.11		U		NS	NS	NS	236
MW-10	Nov '03	U	0.044		U		U		U		6.00	253	19.5	113
MW-10	Mar '05	NS	NS		NS		NS		NS		5.80	259	19.8	-110
MW-10	Nov '05	NS	NS		NS		NS		NS		7.00	278	18.7	117
MW-10	Mar '06	NS	U		U		U		U		5.92	232	14.6	91
MW-10	Jun '06	NS	NS		NS		NS		NS		6.09	239	15.33	6
MW-10	Oct '06	U	0.026		U		U		U		5.83	235	18.89	34.1
MW-10	Apr '07	NS	NS		NS		NS		NS		5.40	231	18.68	64.6
MW-10	Oct '07	NS	NS		NS		NS		NS		5.84	227	18.09	-22.7
MW-10	**Apr '08**	**NS**	**0.02**	**U**	**0.5**	**U**	**0.1**	**U**	**0.25**	**U**	**5.96**	**212**	**18.1**	**-41.0**
MW-10	**Sept. '08**	**NS**	**0.04**		**4.5**		**0.2**	**U**	**0.6**	**U**	**5.79**	**NA**	**18.2**	**4.0**
MW-11	Dec '91	NS	NS		NS		NS		0.51		NS	NS	NS	NS
MW-11	Jan '93	NS	NS		NS		NS		0.26		NS	NS	NS	NS
MW-11	Nov '03	U	0.18		U		U		0.98		6.20	277	17.3	238
MW-11	Mar '06	NS	0.35		U		U		0.46		6.21	382	16	155
MW-11	**Apr '08**	**NS**	**0.82**		**0.54**		**0.1**	**U**	**0.25**	**U**	**5.86**	**463**	**15.5**	**13.0**
MW-12	Dec '91	NS	NS		NS		NS		0.45		NS	NS	NS	NS
MW-12	Jan '93	NS	NS		NS		NS		1.2		NS	NS	NS	NS
MW-12	Oct '98	NS	0.15		U		U		1.8		NS	NS	NS	190
MW-12	Nov '03	U	0.17		U		U		1.2		6.04	130	23.3	314
MW-12 DUP	Nov '03	U	0.17		U		U		1.2		6.04	130	23.3	314
MW-12	Mar '06	NS	0.31		U		0.17		U		6.21	213	15.7	-13
MW-12	**Apr '08**	**NS**	**0.53**		**0.58**		**0.1**	**U**	**0.25**	**U**	**5.58**	**0.169**	**18.4**	**55.0**
MW-13	Dec '91	NA	NA		NA		NA		1.1		NA	NA	NA	NA
MW-13	Jan '93	NA	NA		NA		NA		0.65		NA	NA	NA	NA
MW-13	Nov '03	U	0.049		U		U		0.82		6.00	128	19.6	250
MW-13	Mar '06	NS	0.08		<0.50		<0.050		0.93		7.04	233	15.8	217
MW-13	**Apr '08**	**NS**	**0.06**		**2.2**		**0.15**		**1.3**		**NA**	**184**	**17.3**	**66.0**
MW-14	Dec '91	NA	NA		NA		NA		NA		NA	NA	NA	NA
MW-14	Jan '93	NA	NA		NA		NA		0.36		NA	NA	NA	NA
MW-14	Oct '98	NA	0.066		U		U		U		NA	NA	NA	320
MW-14	Nov '03	U	0.063		U		U		U		5.96	220	22.1	383
MW-14	Mar '05	NA	NA		NA		NA		NA		7.28	369	19.3	-16
MW-14	Nov '05	NA	NA		NA		NA		NA		7.60	215	21	-130
MW-14	Mar '06	NS	1.8		0.56		0.38		U		8.56	199	18	-49
MW-14	Jun '06	NS	NS		NS		NS		NS		7.68	171	19.09	-193
MW-14	Oct '06	U	1.6		1.2		0.62		U		7.79	280	19.56	-206.7
MW-14	Apr '07	NS	NS		NS		NS		NS		7.81	158	17.86	-207.1
MW-14	Oct '07	NS	NS		NS		NS		NS		7.58	403	19.27	-165.8
MW-14	**Apr '08**	**NS**	**0.075**		**0.5**	**U**	**0.36**		**0.25**	**U**	**6.50**	**307**	**17.9**	**-26.0**
MW-14	**Sept. '08**	**NS**	**0.21**		**1.4**		**0.2**	**U**	**0.6**	**U**	**6.50**	**NA**	**20.64**	**-134.0**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Nutrients								Geochemical Parameters			
Well	Date	TOC mg/L	Total Phosphorus (as P) mg/L	TKN mg/L		Ammonia (as N), Non-Distilled mg/L		Nitrate/ Nitrite (as N) mg/L		pH	Conductivity µmhos/cm	Temperature °C	Eh mV
MW-15	Dec '91	NA	NA	NA		NA		NA		NA	NA	NA	NA
MW-15	Jan '93	NA	NA	NA		NA		0.81		NA	NA	NA	NA
MW-15	Nov '03	1.1	0.18	U		U		1.8		5.90	197	19.6	380
MW-15	Mar '06	NS	0.44	1.2		U		1.1		6.52	242	16.9	129
MW-15	**Apr '08**	**NS**	**0.31**	**0.78**		**0.1**	**U**	**1.1**		**6.19**	**262**	**19.3**	**61.0**
MW-16	Dec '91	NA	NA	NA		NA		NA		NA	NA	NA	NA
MW-16	Jan '93	NA	NA	NA		NA		0.79		NA	NA	NA	NA
MW-16	Nov '03	1.4	U	U		U		0.26		4.10	1634	18.8	245
MW-16	Mar '06	NS	U	U		0.06		U		4.29	2741	17	201
MW-16	**Apr '08**	**NS**	**0.035**	**0.5**		**0.1**	**U**	**0.25**	**U**	**6.19**	**262**	**19.3**	**61.0**
MW-17	Jan '93	NA	NA	NA		NA		0.02		NA	NA	NA	NA
MW-17	Feb '93	NA	NA	NA		NA		U		NA	NA	NA	NA
MW-17 DUP	Feb '93	NA	NA	NA		NA		0.05 X		NA	NA	NA	NA
MW-17	Oct '98	NA	0.10	U		0.17		U		NA	NA	NA	180
MW-17	Nov '03	U	0.03	U		U		U		6.00	341	20	71
MW-17 DUP	Nov '03	U	0.025	U		U		U		6.00	341	20	78
MW-17	Mar '06	NS	0.06	U		0.11		U		7.38	320	20	18
MW-17 DUP (MW-B)	Mar '06	NS	0.055	U		0.1		U		7.38	320	20	18
MW-17	**Apr '08**	**NS**	**0.097**	**0.5**	**U**	**0.1**	**U**	**0.25**	**U**	**5.65**	**335**	**18.73**	**-60.0**
MW-19	Jan '93	NA	NA	NA		NA		0.05		NA	NA	NA	NA
MW-19	Feb '93	NA	NA	NA		NA		U		NA	NA	NA	NA
MW-20	Jan '93	NA	NA	NA		NA		1.5		NA	NA	NA	NA
MW-20	Feb '93	NA	NA	NA		NA		0.89		NA	NA	NA	NA
MW-20	Nov '03	U	0.044	U		U		1.4		5.90	159	23.9	354
MW-20	Mar '06	NS	0.14	U		U		0.45		7.08	210	18.1	224
MW-20	**Apr '08**	**NS**	**0.57**	**0.77**		**0.1**	**U**	**0.25**	**U**	**5.95**	**342**	**18.2**	**47.0**
MW-21	Jan '93	NA	NA	NA		NA		1.3		NA	NA	NA	NA
MW-21	Feb '93	NA	NA	NA		NA		0.04 X		NA	NA	NA	NA
MW-23S	Jan '93	NA	NA	NA		NA		0.1		NA	NA	NA	NA
MW-23	Feb '93	NA	NA	NA		NA		U		NA	NA	NA	NA
MW-23	Nov '03	2.8	0.058	U		U		U		6.40	370	17.5	283
MW-23	Mar '06	NS	0.089	U		U		U		7.56	615	19	176
MW-23	Oct '06	NA	NA	NA		NA		NA		6.20	691	22.45	155.4
MW-23	**Apr '08**	**NS**	**0.23**	**0.76**		**0.1**	**U**	**0.52**		**6.27**	**575**	**19.0**	**261.0**
MW-23	**Sept. '08**	**NS**	**1**	**0.92**		**0.2**	**U**	**0.25**	**U**	**5.69**	**NA**	**23.2**	**161.0**
MW-23 DUP (926/0810039-07)	**Sept. '08**	**NS**	**0.52**	**0.5**	**U**	**0.2**	**U**	**0.25**	**U**	**5.69**	**NA**	**23.2**	**161.0**
MW-24	Jan '93	NA	NA	NA		NA		0.25		NA	NA	NA	NA
MW-24	Feb '93	NA	NA	NA		NA		U		NA	NA	NA	NA
MW-25S	Jan '93	NA	NA	NA		NA		0.01		NA	NA	NA	NA
MW-25	Feb '93	NA	NA	NA		NA		0.03 X		NA	NA	NA	NA
MW-25	Nov '03	4.4	0.22	U		U		U		6.40	260	17.7	205
MW-25	Mar '06	NS	0.075	U		0.19		U		7.26	294	19.9	80
MW-25	**Apr '08**	**NS**	**0.37**	**0.5**	**U**	**0.1**	**U**	**0.25**	**U**	**5.87**	**NA**	**19.75**	**110.0**
MW-41	Nov '03	2.4	0.049	U		U		U		5.97	390	19.9	313
MW-41	Mar '05	NA	NA	NA		NA		NA		6.70	333	19.6	NA
MW-41	Nov '05	NA	NA	NA		NA		NA		7.50	330	19.4	-155
MW-41	Mar '06	NS	0.43	U		0.16		U		8.70	334	17.5	-57
MW-41	Jun '06	NS	NS	NS		NS		NS		8.07	325	18.16	-200
MW-41	Oct '06	1.8	U	0.68		0.35		U		8.79	321	19.48	-269.8
MW-41	Apr '07	NS	NS	NS		NS		NS		8.95	294	18.51	-340.7
MW-41	Oct '07	NS	NS	NS		NS		NS		9.44	313	19.23	-152
MW-41	**Apr '08**	**NS**	**0.84**	**0.8**		**1.0**		**0.25**	**U**	**9.48**	**322**	**18.2**	**-339.0**
MW-41	**Sept. '08**	**NS**	**1.1**	**1.5**		**1.1**		**0.6**	**U**	**9.69**	**NA**	**20.69**	**-287.0**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Nutrients								Geochemical Parameters			
Well	Date	TOC mg/L	Total Phosphorus (as P) mg/L		TKN mg/L		Ammonia (as N), Non-Distilled mg/L		Nitrate/ Nitrite (as N) mg/L		pH	Conductivity µmhos/cm	Temperature °C	Eh mV
MW-42	Nov '03	1.9	0.044		U		U		U		6.00	520	21	80
MW-42	Mar '05	NA	NA		NA		NA		NA		5.90	520	20.2	-199
MW-42	Nov '05	NA	NA		NA		NA		NA		6.60	732	20.3	-81
MW-42	Mar '06	NS	0.089		0.73		0.22		U		6.17	674	17.8	-66
MW-42	Jun '06	NS	NS		NS		NS		NS		6.45	650	19.25	-112
MW-42	Oct '06	2.6	0.077		0.77		0.27		U		6.17	551	18.48	-104.8
MW-42	Apr '07	NS	NS		NS		NS		NS		5.78	395	18.55	-222.4
MW-42	Oct '07	NS	NS		NS		NS		NS		5.99	407	18.53	8.0
MW-42	**Apr '08**	**NS**	**0.079**		**0.5**	**U**	**0.33**		**0.25**	**U**	**6.67**	**404**	**18.6**	**-84.0**
MW-42	**Sept. '08**	**NS**	**0.05**		**4**		**0.27**		**0.6**	**U**	**6.25**	**NA**	**18**	**-95.0**
MW-43	Mar '05	140	NA		NA		NA		NA		10.64	769	18.4	-660
MW-43	Nov '05	14	NA		NA		NA		NA		10.40	576	19.8	-421
MW-43	Apr '06	NS	0.099		1.1		1.2		U		NA	464	18.3	-391
MW-43S	Jun '06	NS	NS		NS		NS		NS		10.80	476	19.63	-394
MW-43	Oct '06	24	0.043		2.1		1.4		U		10.51	635	21.25	-326.7
MW-43 DUP (MW-AC)	Oct '06	24	0.054		2.0		1.5		U		10.51	635	21.25	-326.7
MW-43	May '07	NS	NS		NS		NS		NS		10.69	471	18.78	-400
MW-43	Oct '07	NS	NS		NS		NS		NS		10.38	606	20.40	-226
MW-43	**Apr '08**	**NS**	**0.17**		**2.3**		**2.2**		**0.25**	**U**	**10.90**	**523**	**17.14**	**-178.0**
MW-43	**Sept. '08**	**NS**	**0.067**		**3.7**		**2.8**		**0.6**	**U**	**10.37**	**NA**	**20.59**	**-216.0**
MW-44	Mar '05	46	NA		NA		NA		NA		10.87	426	18.6	-790
MW-44	Nov '05	15	NA		NA		NA		NA		10.80	447	16.7	-475
MW-44	Apr '06	NS	0.13		0.73		0.62		U		NA	349	19.2	-373
MW-44 DUP (MW-F)	Apr '06	NS	0.12		0.69		0.62		U		NS	NS	NS	NS
MW-44S	Jun '06	11	0.062		U		0.44		U		10.29	365	18.4	-192
MW-44	Oct '06	11	0.07		0.67		0.43		U		10.70	372	19.73	-318.6
MW-44	May '07	NS	NS		NS		NS		NS		10.00	332	19.12	-216
MW-44	Oct '07	NS	NS		NS		NS		NS		10.34	400	19.21	-339
MW-44	**Apr '08**	**NS**	**0.075**		**0.60**		**0.10**	**U**	**0.25**	**U**	**10.99**	**353**	**17.57**	**-300.0**
MW-44	**Sept. '08**	**NS**	**0.02**	**U**	**4.00**		**0.92**		**0.25**	**U**	**10.40**	**NA**	**19.07**	**-290.0**
MW-45	Nov '03	1.7	0.039		U		U		U		5.80	492	19.1	206
MW-45	Mar '05	NS	NS		NS		NS		NS		5.80	462	18.4	-15
MW-45	Nov '05	NS	NS		NS		NS		NS		6.00	449	19.8	NA
MW-45	Mar '06	NS	0.03		U		0.16		0.33		5.74	395	18.3	186
MW-45	Jun '06	NS	NS		NS		NS		NS		NS	NS	NS	NS
MW-45	Oct '06	2.4	0.031		0.97		0.44		U		5.90	580	18.16	146.2
MW-45	Apr '07	NS	NS		NS		NS		NS		5.44	498	17.17	182.2
MW-45	Oct '07	NS	NS		NS		NS		NS		5.88	583	18.10	64.0
MW-45	**Apr '08**	**NS**	**0.049**		**0.57**		**0.34**		**0.25**	**U**	**5.28**	**483**	**17.8**	**21.0**
MW-45	**Sept. '08**	**NS**	**0.16**		**2.6**		**1.00**		**0.6**	**U**	**6.11**	**NA**	**18.67**	**157.0**
MW-46	Nov '03	2	U		U		U		U		6.08	460	21.9	250
MW-46	Mar '05	NS	NS		NS		NS		NS		6.00	436	18	-59
MW-46	Nov '05	NS	NS		NS		NS		NS		6.10	462	19.6	65
MW-46	Mar '06	NS	U		U		0.35		U		5.93	438	17.4	117
MW-46	Jun '06	NS	NS		NS		NS		NS		6.31	460	18.9	-53
MW-46	Oct '06	1.1	0.026		U		0.29		U		5.91	469	16.59	24.6
MW-46	Apr '07	NS	NS		NS		NS		NS		5.66	458	18.26	51.4
MW-46	Oct '07	NS	NS		NS		NS		NS		5.95	464	17.90	-20.2
MW-46	**Apr '08**	**NS**	**0.02**	**U**	**0.5**	**U**	**0.34**		**0.25**	**U**	**5.48**	**430**	**18.1**	**43.0**
MW-46	**Sept. '08**	**NS**	**0.033**		**0.79**		**0.35**		**0.6**	**U**	**5.98**	**NA**	**17.85**	**-23.0**
MW-46 DUP (923)	**Sept. '08**	**NS**	**0.34**		**1**	**U**	**0.38**		**0.6**	**U**	**5.98**	**NA**	**17.85**	**-23.0**
MW-47	Nov '03	U	0.039		U		U		U		5.80	410	21.4	355
MW-47	Mar '05	NS	NS		NS		NS		NS		7.12	328	18.8	91
MW-47	Nov '05	NS	NS		NS		NS		NS		6.80	147	20	-77
MW-47	Mar '06	NS	1.2		U		0.094		U		7.68	90	17.1	-91
MW-47	Jun '06	NS	NS		NS		NS		NS		6.86	93	17.93	-147
MW-47	Oct '06	U	0.92		U		U		U		6.62	98	19.16	-99.4
MW-47	Apr '07	NS	NS		NS		NS		NS		6.67	170	18.29	-133
MW-47	Oct '07	NS	NS		NS		NS		NS		6.21	91	18.65	-42.7
MW-47	**Apr '08**	**NS**	**1.9**		**0.73**		**0.18**		**0.25**	**U**	**NA**	**NA**	**NA**	**NA**
MW-47	**Sept. '08**	**NS**	**1.9**		**2.6**		**0.20**	**U**	**0.6**	**U**	**6.90**	**NA**	**19.52**	**-154.0**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Nutrients								Geochemical Parameters			
Well	Date	TOC mg/L	Total Phosphorus (as P) mg/L		TKN mg/L		Ammonia (as N), Non-Distilled mg/L		Nitrate/ Nitrite (as N) mg/L		pH	Conductivity µmhos/cm	Temperature °C	Eh mV
MW-48	Nov '03	U	0.02		U		U		U		5.90	120	20	367
MW-48	Mar '05	NS	NS		NS		NS		NS		7.22	310	19.8	-87
MW-48	[illegible]	NS	NS		NS		NS		NS		6.80	282	19.6	-85
MW-48	Mar '06	NS	0.55		U		0.11		U		7.21	224	18.5	-72
MW-48	Jun '06	NS	NS		NS		NS		NS		7.01	191	18.49	-153
MW-48	Oct '06	U	0.24		U		0.1		U		6.86	350	17.5	-123.7
MW-48	Apr '07	NS	NS		NS		NS		NS		6.39	217	18.55	-103.6
MW-48	Oct '07	NS	NS		NS		NS		NS		6.49	354	17.95	-65.4
MW-48	**Apr '08**	**NS**	**0.13**		**0.5**	**U**	**0.1**	**U**	**0.25**	**U**	**NA**	**NA**	**NA**	**NA**
MW-48	**Sept. '08**	**NS**	**0.36**		**0.5**	**U**	**0.2**	**U**	**0.6**	**U**	**6.75**	**NA**	**17.82**	**-199.0**
MW-49	Mar '05	2.7	NS		NS		NS		NS		6.80	228	17.5	-150
MW-49	Nov '05	8.3	NS		NS		NS		NS		7.10	167	NA	-259
MW-49	Apr '06	NS	0.025		U		U		U		NA	101	18.7	-34
MW-49S	Jun '06	NS	NS		NS		NS		NS		9.90	129	19.41	-269
MW-49	Oct '06	1.8	U		U		0.11		U		9.98	119	19.68	-99
MW-49	May '07	NS	NS		NS		NS		NS		9.46	165	18.51	-244
MW-49	Oct '07	NS	NS		NS		NS		NS		9.27	182	18.82	-168.9
MW-49	**Apr '08**	**NS**	**0.053**		**0.5**	**U**	**0.1**	**U**	**0.25**	**U**	**8.90**	**183**	**18.1**	**-360.0**
MW-49 DUP (430)	**Apr '08**	**NS**	**0.06**		**1.5**	**U**	**0.1**	**U**	**0.25**	**U**	**8.90**	**183**	**18.1**	**-360.0**
MW-49	**Sept. '08**	**NS**	**0.13**		**5.3**		**0.2**	**U**	**NS**		**9.19**	**NA**	**18.59**	**-467.0**
MW-49 DUP (926/0810039-01)	**Sept. '08**	**NS**	**0.02**	**U**	**2.8**		**0.2**	**U**	**0.25**	**U**	**9.19**	**NA**	**18.59**	**-467.0**
MW-50	Mar '05	8.0	NS		NS		NS		NS		7.80	199	18.4	-107
MW-50	Nov '05	1.9	NS		NS		NS		NS		9.50	49	20.5	-269
MW-50	Apr '06	NS	0.06		U		0.055		U		NA	102	18.4	-231
MW-50S	Jun '06	NS	NS		NS		NS		NS		9.20	94	19.94	-331
MW-50	Oct '06	U	U		U		U		U		10.07	59	21.93	-213.7
MW-50	May '07	NS	NS		NS		NS		NA		9.69	97	21.19	-86
MW-50	Oct '07	NS	NS		NS		NS				9.74	79	21.20	-377.9
MW-50	**Apr '08**	**NS**	**0.20**		**1.1**		**0.1**		**0.25**	**U**	**8.48**	**297**	**16.5**	**-402.0**
MW-50	**Sept. '08**	**NS**	**0.16**		**4**	**N**	**0.2**	**U**	**0.6**	**U**	**9.42**	**NA**	**22.01**	**-405.0**
MW-51	Nov '03	U	0.054		U		U		0.29		5.70	100	21.2	367
MW-51	Mar '05	NS	NS		NS		NS		NS		5.20	72	18.5	20
MW-51	Nov '05	NS	NS		NS		NS		NS		5.40	80	20.1	92
MW-51	Mar '06	NS	0.92		U		U		0.33		5.26	58	16.6	163
MW-51	Jun '06	NS	NS		NS		NS		NS		5.55	88	17.19	-54
MW-51	Oct '06	U	0.072		U		U		U		5.34	65	18.52	290.8
MW-51	Apr '07	NS	NS		NS		NS		NS		3.87	90	17.34	-7.3
MW-51	Oct '07	NS	NS		NS		NS		NS		5.31	113	17.75	227.7
MW-51	**Apr '08**	**NS**	**0.031**	**U**	**0.5**	**U**	**0.1**		**0.48**		**6.48**	**137**	**16.6**	**12.0**
MW-51	**Sept. '08**	**NS**	**0.12**		**4.8**		**0.2**	**U**	**0.6**	**U**	**5.54**	**NA**	**18.62**	**181.0**
MW-52	Nov '03	U	0.02		U		U		U		5.73	160	20.6	285
MW-52	Mar '05	NS	NS		NS		NS		NS		5.20	141	18.3	72
MW-52	Nov '05	NS	NS		NS		NS		NS		5.80	151	21	105
MW-52	Mar '06	NS	0.14		U		0.051		U		5.59	145	20.2	192
MW-52	Jun '06	NS	NS		NS		NS		NS		5.61	152	17.9	-96
MW-52	Oct '06	U	U		U		U		U		5.72	161	17.36	117.8
MW-52	Apr '07	NS	NS		NS		NS		NS		4.31	168	17.71	-38.3
MW-52	Oct '07	NS	NS		NS		NS		NS		5.58	164	17.02	67.2
MW-52	**Apr '08**	**NS**	**0.049**		**0.5**	**U**	**0.1**	**U**	**0.25**	**U**	**6.10**	**151**	**17.3**	**-19.0**
MW-52	**Sept. '08**	**NS**	**0.19**		**1.1**		**0.2**	**U**	**0.6**	**U**	**4.88**	**NA**	**17.4**	**90.0**
MW-53	Nov '03	U	0.035		U		U		0.66		5.70	111	20	335
MW-53	Mar '05	NS	NS		NS		NS		NS		5.40	128	NA	10
MW-53	Nov '05	NS	NS		NS		NS		NS		5.50	109	19.4	113
MW-53	Mar '06	NS	0.03		U		U		0.27		5.71	104	16.7	155
MW-53	Jun '06	NS	NS		NS		NS		NS		5.56	80	17.08	164
MW-53	Oct '06	U	0.026		U		U		U		5.71	151	17.51	251.7
MW-53	Apr '07	NS	NS		NS		NS		NS		4.09	106	16.05	-49.3
MW-53	Oct '07	NS	NS		NS		NS		NS		5.66	155	17.63	81.9
MW-53	**Apr '08**	**NS**	**0.046**		**0.5**	**U**	**0.1**	**U**	**0.31**		**5.18**	**139**	**15.7**	**46.0**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Nutrients							Geochemical Parameters			
Well	Date	TOC mg/L	Total Phosphorus (as P) mg/L	TKN mg/L	Ammonia (as N), Non-Distilled mg/L		Nitrate/ Nitrite (as N) mg/L		pH	Conductivity µmhos/cm	Temperature °C	Eh mV
MW-53	**Sept. '08**	**NS**	**0.033**	**0.72**	**0.2**	**U**	**0.6**	**U**	**5.74**	**NA**	**18.41**	**157.0**

TABLE 11

BIOREMEDIATION PARAMETERS IN GROUNDWATER

Grenada Manufacturing Site
Grenada, Mississippi

		Nutrients								Geochemical Parameters			
Well	Date	TOC mg/L	Total Phosphorus (as P) mg/L		TKN mg/L		Ammonia (as N), Non-Distilled mg/L		Nitrate/ Nitrite (as N) mg/L		pH	Conductivity µmhos/cm	Temperature °C	Eh mV
MW-54	Nov '03	U	0.044		U		U		0.41		7.20	110	18.9	320
MW-54	Mar '05	NS	NS		NS		NS		NS		5.60	134	18.1	-45
MW-54	Nov '05	NS	NS		NS		NS		NS		5.70	150	19	127
MW-54	Mar '06	NS	0.03		U		U		0.33		6.63	129	16.6	216
MW-54	Jun '06	NS	NS		NS		NS		NS		5.82	141	18.17	-32
MW-54	Oct '06	U	0.041		U		U		U		5.58	148	17.2	235
MW-54	Apr '07	NS	NS		NS		NS		NS		4.17	137	17.32	119.5
MW-54	Oct '07	NS	NS		NS		NS		NS		5.47	141	16.84	86.0
MW-54	**Apr '08**	**NS**	**0.035**		**0.5**	**U**	**0.1**	**U**	**0.25**	**U**	**5.04**	**131**	**16.8**	**31.0**
MW-54	**Sept. '08**	**NS**	**0.077**		**1.1**	**U**	**0.2**	**U**	**0.6**	**U**	**5.55**	**NA**	**16.89**	**189.0**
RT-1	Jan '93	NS	NS		NS		NS		NS		NS	NA	NA	NA
RT-1 DUP	Jan '93	NS	NS		NS		NS		NS		NS	NA	NA	NA
RT-1	Nov '03	1.6	0.035		U		U		U		5.75	480	21.8	323
RT-1	Mar '06	NS	NS		NS		NS		NS		6.75	424	19.1	231
RT-1	**Apr '08**	**NS**	**0.027**		**0.92**		**0.1**	**U**	**0.85**		**5.63**	**445**	**17.9**	**275.0**
RT-1	**Sept. '08**	**NS**	**0.02**	**U**	**1.90**		**0.2**	**U**	**0.25**	**U**	**5.15**	**NA**	**20.4**	**75.0**
RT-2	Jan '93	NS	NS		NS		NS		NS		NS	NS	NS	NS
RT-2	Nov '03	3.2	0.039		U		U		U		6.00	677	21.2	313
RT-2	Mar '06	NS	NS		NS		NS		NS		6.93	578	18.1	58
RT-2	Apr-07	NS	NS		NS		NS		NS		5.63	401	18.94	218.1
RT-2	Oct-07	NS	NS		NS		NS		NS		5.95	527	21.28	147.1
RT-2	**Apr '08**	**NS**	**0.031**		**1.1**		**0.1**	**U**	**0.25**	**U**	**5.40**	**497**	**19.1**	**211.0**
RT-2	**Sept. '08**	**NS**	**0.68**		**0.59**		**0.2**	**U**	**0.25**	**U**	**5.49**	**NA**	**21.4**	**152.0**
RT-3	Jan-93	NS	NS		NS		NS		NS		NS	NS	NS	NS
RT-3	Nov-03	2.9	0.073		U		U		U		6.04	640	20.6	250
RT-3	Nov-03	3.8	0.64		1.8		U		U		6.79	480	17.7	NA
RT-3	Mar-06	NS	NS		NS		NS		NS		6.94	544	19.1	29
RT-3	**Apr '08**	**NS**	**0.064**		**0.50**		**0.1**	**U**	**0.25**	**U**	**5.96**	**624**	**19.0**	**265.0**
RT-4	Jan-93	NA	NA		NA		NA		NA		NA	NA	NA	NA
RT-4	Mar-06	NS	NS		NS		NS		NS		8.08	571	28.7	NA
RT-4	Apr-07	NS	NS		NS		NS		NS		6.56	519	18.47	130.8
RT-4	Oct-07	NS	NS		NS		NS		NS		6.5	529	19.65	45.8
RT-4	**Apr '08**	**NS**	**0.37**		**1.6**		**1.5**		**0.25**	**U**	**6.32**	**480**	**18.1**	**205.0**
RT-4	**Sept. '08**	**NS**	**0.88**		**2.2**		**1.3**		**0.25**	**U**	**6.53**	**NA**	**20.25**	**22.0**
RT-5	Jan-93	NS	NS		NS		NS		NS		NS	NS	NS	NS
RT-5	Nov-03	1.6	0.073		U		U		U		5.79	440	16.7	180
RT-5	Mar-06	NS	NS		NS		NS		NS		5.61	455	18.6	9
RT-5	Apr-07	NS	NS		NS		NS		NS		5.66	425	18.49	51.9
RT-5	Oct-07	NS	NS		NS		NS		NS		5.95	527	21.28	183.7
RT-5	**Apr '08**	**NS**	**0.22**		**2.0**		**0.28**		**0.25**	**U**	**5.68**	**386**	**18.5**	**148.0**
RT-5	**Sept. '08**	**NS**	**0.8**		**0.88**		**0.20**	**U**	**0.25**	**U**	**5.65**	**NA**	**20.5**	**90.0**

Notes
U = Not Detected
D = Sample was diluted
J = Sample was estimated
B = The constituent was also detected in a blanl
E = Exceeds the highest concentration level on
X = Result associated with a laboratory contami
N =
NA = Not Available or Not Analyzed
NS = Not Sampled

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-1	**2457977.735**	**1566416.868**	**Upper**	12/19/1991	183.70	183.45	16.5	11.74	171.71
				1/22/1993	183.70	183.45	16.5	12.33	171.12
				2/24/1993	183.70	183.45	16.5	12.11	171.34
				5/25/1993	183.70	183.45	16.5	11.62	171.83
				7/13/1993	183.70	183.45	16.5	12.05	171.40
				11/30/1993	183.70	183.45	16.5	13.09	170.36
				10/5/1998	183.70	183.45	16.5	12.66	170.79
				10/10/2000	183.70	183.45	16.5	14.26	169.19
				10/26/2000	183.70	183.45	16.5	14.34	169.11
				12/21/2000	183.70	183.45	16.5	NA	NA
				11/12/2003	183.70	183.45	16.5	12.29	171.16
				3/20/2006	183.70	183.45	16.5	10.9	172.55
				4/25/2008	**183.70**	**183.45**	**16.5**	**11.76**	**171.69**
MW-2	**2457463.002**	**1566671.862**	**Upper**	12/19/1991	177.10	179.87	20.55	10.6	169.27
				1/22/1993	177.10	179.87	20.55	11.46	168.41
				2/24/1993	177.10	179.87	20.55	11.7	168.17
				5/25/1993	177.10	179.87	20.55	11.36	168.51
				7/13/1993	177.10	179.87	20.55	12.05	167.82
				11/30/1993	177.10	179.87	20.55	12.65	167.22
				10/5/1998	177.10	179.87	20.55	12.96	166.91
				10/10/2000	177.10	179.87	20.55	NAPL	NM
				10/26/2000	177.10	179.87	20.55	NAPL	NM
				12/21/2000	177.10	179.87	20.55	NAPL	NM
				11/12/2003	177.10	179.87	20.55	NAPL	NM
				3/20/2006	177.10	179.87	20.55	9.56	170.31
				4/25/2008	**177.10**	**179.87**	**20.55**	**NM**	**NM**
MW-3	**2458006.138**	**1565944.074**	**Upper**	12/19/1991	183.80	183.46	11.1	11.27	172.19
				1/22/1993	183.80	183.46	11.1	11.85	171.61
				2/24/1993	183.80	183.46	11.1	11.48	171.98
				5/25/1993	183.80	183.46	11.1	10.7	172.76
				7/13/1993	183.80	183.46	11.1	11.39	172.07
				11/30/1993	183.80	183.46	11.1	NM	NM
				10/5/1998	183.80	183.46	11.1	11.1	172.36
				10/10/2000	183.80	183.46	11.1	DRY	DRY
				10/26/2000	183.80	183.46	11.1	DRY	DRY
				12/21/2000	183.80	183.46	11.1	DRY	DRY
				11/12/2003	183.80	183.46	11.1	DRY	DRY
				3/20/2006	183.80	183.46	11.1	10.56	172.90
				4/25/2008	**183.80**	**183.46**	**11.1**	**DRY**	**DRY**
MW-4	**2457518.884**	**1566261.781**	**Upper**	12/19/1991	180.80	182.9	19.78	12.77	170.13
				1/22/1993	180.80	182.9	19.78	13.6	169.30
				2/24/1993	180.80	182.9	19.78	13.85	169.05
				5/25/1993	180.80	182.9	19.78	13.61	169.29
				7/13/1993	180.80	182.9	19.78	14.53	168.37
				11/30/1993	180.80	182.9	19.78	15.34	167.56
				10/5/1998	180.80	182.9	19.78	15.6	167.30
				10/10/2000	180.80	182.9	19.78	16.38	166.52
				10/26/2000	180.80	182.9	19.78	16.51	166.39
				12/21/2000	180.80	182.9	19.78	NA	NA
				11/12/2003	180.80	182.9	19.78	14.78	168.12
				3/20/2006	180.80	182.9	19.78	11.69	171.21
				4/25/2008	**180.80**	**182.9**	**19.78**	**13.61**	**169.29**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-5	**2457100.33**	**1566957.806**	**Upper**	12/19/1991	178.50	180.68	22.35	12.8	167.88
				1/22/1993	178.50	180.68	22.35	13.81	166.87
				2/24/1993	178.50	180.68	22.35	14.15	166.53
				5/25/1993	178.50	180.68	22.35	13.75	166.93
				7/13/1993	178.50	180.68	22.35	14.27	166.41
				11/30/1993	178.50	180.68	22.35	14.7	165.98
				10/5/1998	178.50	180.68	22.35	15.18	165.50
				10/10/2000	178.50	180.68	22.35	15.22	165.46
				10/26/2000	178.50	180.68	22.35	15.25	165.43
				12/21/2000	178.50	180.68	22.35	NA	NA
				11/11/2003	178.50	180.68	22.35	14.43	166.25
				5/12/2004	178.50	180.68	22.04	14.58	166.10
				3/29/2005	178.50	180.68	22.35	13.33	167.35
				11/7/2005	178.50	180.68	22.35	14.09	166.59
				3/20/2006	178.50	180.68	22.35	11.47	169.21
				6/6/2006	178.50	180.68	22.35	13.53	167.15
				10/23/2006	178.50	180.68	22.35	14.13	166.55
				4/23/2007	178.50	180.68	22.35	13.69	166.99
				10/22/2007	178.50	180.68	22.35	14.16	166.52
				4/25/2008	**178.50**	**180.68**	**22.35**	**13.38**	**167.30**
				9/23/2008	**178.50**	**180.68**	**22.35**	**14.31**	**166.37**
MW-6	**2457449.475**	**1566414.159**	**Upper**	12/19/1991	176.30	178.66	18.66	8.81	169.85
				1/22/1993	176.30	178.66	18.66	9.71	168.95
				2/24/1993	176.30	178.66	18.66	9.94	168.72
				5/25/1993	176.30	178.66	18.66	9.71	168.95
				7/13/1993	176.30	178.66	18.66	10.58	168.08
				11/30/1993	176.30	178.66	18.66	11.32	167.34
				10/5/1998	176.30	178.66	18.66	11.54	167.12
				10/10/2000	176.30	178.66	18.66	14.09	164.57
				10/26/2000	176.30	178.66	18.66	12.36	166.30
				12/21/2000	176.30	178.66	18.66	NA	NA
				11/12/2003	176.30	178.66	18.66	10.76	167.90
				3/20/2006	176.30	178.66	18.66	7.56	171.10
				4/25/2008	**176.30**	**178.66**	**18.66**	**9.55**	**169.11**
MW-7	**2458880.978**	**1565137.53**	**Upper**	12/19/1991	185.40	185.13	16.2	11.04	174.09
				1/22/1993	185.40	185.13	16.2	11.58	173.55
				2/24/1993	185.40	185.13	16.2	11.05	174.08
				5/25/1993	185.40	185.13	16.2	10.31	174.82
				7/13/1993	185.40	185.13	16.2	11.24	173.89
				11/30/1993	185.40	185.13	16.2	12.71	172.42
				10/10/2000	185.40	185.13	16.2	14.19	170.94
				10/26/2000	185.40	185.13	16.2	14.30	170.83
				12/21/2000	185.40	185.13	16.2	NA	NA
				11/13/2003	185.40	185.13	16.2	11.26	173.87
				3/20/2006	185.40	185.13	16.2	10.39	174.74
				4/25/2008	**185.40**	**185.13**	**16.2**	**11.35**	**173.78**
MW-8	**2459107.568**	**1565720.982**	**Lower**	12/19/1991	180.30	182.86	44	9.15	173.71
				1/22/1993	180.30	182.86	44	9.75	173.11
				2/24/1993	180.30	182.86	44	9.5	173.36
				5/25/1993	180.30	182.86	44	8.72	174.14
				7/13/1993	180.30	182.86	44	9.35	173.51
				11/30/1993	180.30	182.86	44	10.5	172.36
				10/10/2000	180.30	182.86	44	11.93	170.93
				10/26/2000	180.30	182.86	44	12.02	170.84
				12/21/2000	180.30	182.86	44	NA	NA
				11/13/2003	180.30	182.86	50	9.61	173.25
				3/20/2006	180.30	182.86	50	8.69	174.17
				4/25/2008	**180.30**	**182.86**	**50**	**9.71**	**173.15**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-9	**2457830.899**	**1565534.024**	**Lower**	12/19/1991	181.10	180.74	75	4.09	176.65
				1/22/1993	181.10	180.74	75	2.81	177.93
				2/24/1993	181.10	180.74	75	2.73	178.01
				5/25/1993	181.10	180.74	75	2.08	178.66
				7/13/1993	181.10	180.74	75	6.01	174.73
				11/30/1993	181.10	180.74	75	3.09	177.65
				10/10/2000	181.10	180.74	75	NA	NA
				10/26/2000	181.10	180.74	75	NA	NA
				12/21/2000	181.10	180.74	75	NA	NA
				11/12/2003	181.10	180.74	75	2.2	178.54
				3/20/2006	181.10	180.74	75	1.39	179.35
				4/25/2008	**181.10**	**180.74**	**75**	**0.5**	**180.24**
MW-10	**2457112.954**	**1566958.818**	**Lower**	12/19/1991	178.00	180.8	50.15	12.72	168.08
				1/22/1993	178.00	180.8	50.15	13.78	167.02
				2/24/1993	178.00	180.8	50.15	14.17	166.63
				5/25/1993	178.00	180.8	50.15	13.81	166.99
				7/13/1993	178.00	180.8	50.15	14.21	166.59
				11/30/1993	178.00	180.8	50.15	14.75	166.05
				10/5/1998	178.00	180.8	50.15	15.18	165.62
				10/10/2000	178.00	180.8	50.15	15.25	165.55
				10/26/2000	178.00	180.8	50.15	15.28	165.52
				12/21/2000	178.00	180.8	50.15	NA	NA
				11/11/2003	178.00	180.8	50.15	14.39	166.41
				2/19/2004	178.00	180.8	49.80	14.62	166.18
				5/12/2004	178.00	180.8	49.80	15.43	165.37
				3/29/2005	178.00	180.8	50.05	14.06	166.74
				11/7/2005	178.00	180.8	50.05	15.01	165.79
				3/20/2006	178.00	180.8	50.05	12.21	168.59
				6/6/2006	178.00	180.8	50.05	14.62	166.18
				10/23/2006	178.00	180.8	50.05	15.12	165.68
				4/23/2007	178.00	180.8	20.05	14.8	166.00
				10/22/2007	178.00	180.8	20.05	15.08	165.72
				4/25/2008	**178.00**	**180.8**	**50.05**	**14.52**	**166.28**
				9/24/2008	**178.00**	**180.8**	**50.05**	**15.27**	**165.53**
MW-11	**2459113.012**	**1565715.12**	**Upper**	12/19/1991	180.30	182.59	20.85	9	173.59
				1/22/1993	180.30	182.59	20.85	9.6	172.99
				2/24/1993	180.30	182.59	20.85	9.27	173.32
				5/25/1993	180.30	182.59	20.85	8.51	174.08
				7/13/1993	180.30	182.59	20.85	9.21	173.38
				11/30/1993	180.30	182.59	20.85	10.5	172.09
				10/10/2000	180.30	182.59	20.85	11.90	170.69
				10/26/2000	180.30	182.59	20.85	12.00	170.59
				12/21/2000	180.30	182.59	20.85	NA	NA
				11/13/2003	180.30	182.59	20.85	9.56	173.03
				3/20/2006	180.30	182.59	20.85	8.48	174.11
				4/25/2008	**180.30**	**182.59**	**20.85**	**9.42**	**173.17**
MW-12	**2457823.872**	**1565537.848**	**Upper**	12/19/1991	181.00	180.67	22.45	8.17	172.50
				1/22/1993	181.00	180.67	22.45	8.66	172.01
				2/24/1993	181.00	180.67	22.45	8.36	172.31
				5/25/1993	181.00	180.67	22.45	7.58	173.09
				7/13/1993	181.00	180.67	22.45	8.7	171.97
				11/30/1993	181.00	180.67	22.45	10.32	170.35
				10/5/1998	181.00	180.67	22.45	8.9	171.77
				10/10/2000	181.00	180.67	22.45	11.85	168.82
				10/26/2000	181.00	180.67	22.45	11.98	168.69
				12/21/2000	181.00	180.67	22.45	NA	NA
				11/12/2003	181.00	180.67	22.45	9.12	171.55
				3/20/2006	181.00	180.67	22.45	7.37	173.30
				4/25/2008	**181.00**	**180.67**	**22.45**	**8.53**	**172.14**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-13	**2457431.236**	**1566917.817**	**Upper**	12/19/1991	177.40	180.12	23.96	11.1	169.02
				1/22/1993	177.40	180.12	23.96	11.91	168.21
				2/24/1993	177.40	180.12	23.96	12.09	168.03
				5/25/1993	177.40	180.12	23.96	11.72	168.40
				7/13/1993	177.40	180.12	23.96	12.26	167.86
				11/30/1993	177.40	180.12	23.96	12.72	167.40
				10/10/2000	177.40	180.12	23.96	13.50	166.62
				10/26/2000	177.40	180.12	23.96	13.57	166.55
				12/21/2000	177.40	180.12	23.96	NA	NA
				11/12/2003	177.40	180.12	23.96	12.35	167.77
				5/12/2004	177.40	180.12	23.90	12.20	167.92
				3/20/2006	177.40	180.12	23.90	10.20	169.92
				4/23/2007	177.40	180.12	23.90	11.93	168.19
				10/23/2007	177.40	180.12	23.90	11.90	168.22
				4/25/2008	**177.40**	**180.12**	**23.90**	**11.53**	**168.59**
MW-14	**2456971.929**	**1566979.615**	**Upper**	12/19/1991	178.80	181.44	27.27	14.26	167.18
				1/22/1993	178.80	181.44	27.27	15.5	165.94
				2/24/1993	178.80	181.44	27.27	15.93	165.51
				5/25/1993	178.80	181.44	27.27	15.42	166.02
				7/13/1993	178.80	181.44	27.27	15.93	165.51
				11/30/1993	178.80	181.44	27.27	16.27	165.17
				10/5/1998	178.80	181.44	27.27	16.88	164.56
				10/10/2000	178.80	181.44	27.27	16.64	164.80
				10/26/2000	178.80	181.44	27.27	16.64	164.80
				12/21/2000	178.80	181.44	27.27	NA	NA
				11/11/2003	178.80	181.44	27.27	16.03	165.41
				2/19/2004	178.80	181.44	26.99	16.48	164.96
				5/12/2004	178.80	181.44	26.99	17.40	164.04
				3/29/2005	178.80	181.44	27.17	16.22	165.22
				11/9/2005	178.80	181.44	27.17	16.98	164.46
				3/20/2006	178.80	181.44	27.17	14.69	166.75
				6/6/2006	178.80	181.44	27.17	NA	NA
				10/23/2006	178.80	181.44	27.17	17.19	164.25
				4/23/2007	178.80	181.44	27.17	17.01	164.43
				10/22/2007	178.80	181.44	27.17	17.17	164.27
				4/25/2008	**178.80**	**181.44**	**27.17**	**16.98**	**164.46**
				9/23/2008	**178.80**	**181.44**	**27.17**	**17.53**	**163.91**
MW-15	**2457532.398**	**1566161.732**	**Upper**	12/19/1991	180.90	183.67	23.62	13.08	170.59
				1/22/1993	180.90	183.67	23.62	13.9	169.77
				2/24/1993	180.90	183.67	23.62	14.16	169.51
				5/25/1993	180.90	183.67	23.62	13.93	169.74
				7/13/1993	180.90	183.67	23.62	15.02	168.65
				11/30/1993	180.90	183.67	23.62	15.93	167.74
				10/5/1998	180.90	183.67	23.62	16.08	167.59
				10/10/2000	180.90	183.67	23.62	17.00	166.67
				10/26/2000	180.90	183.67	23.62	17.11	166.56
				12/21/2000	180.90	183.67	23.62	NA	NA
				11/12/2003	180.90	183.67	23.62	15.19	168.48
				2/19/2004	180.90	183.67	23.34	13.08	170.59
				5/12/2004	180.90	183.67	23.34	14.46	169.21
				3/20/2006	180.90	183.67	23.34	11.09	172.58
				4/25/2008	**180.90**	**183.67**	**23.34**	**13.98**	**169.69**
MW-16	**2457315.867**	**1566239.806**	**Upper**	12/19/1991	175.50	178.57	17.88	8.46	170.11
				1/22/1993	175.50	178.57	17.88	9.38	169.19
				2/24/1993	175.50	178.57	17.88	9.73	168.84
				5/25/1993	175.50	178.57	17.88	9.55	169.02
				7/13/1993	175.50	178.57	17.88	10.56	168.01
				11/30/1993	175.50	178.57	17.88	11.36	167.21
				10/5/1998	175.50	178.57	17.88	11.62	166.95
				10/10/2000	175.50	178.57	17.88	12.40	166.17
				10/26/2000	175.50	178.57	17.88	12.46	166.11
				12/21/2000	175.50	178.57	17.88	NA	NA
				11/12/2003	175.50	178.57	17.88	10.75	167.82
				2/19/2004	175.50	178.57	17.60	8.55	170.02
				5/12/2004	175.50	178.57	17.60	10.14	168.43
				3/20/2006	175.50	178.57	17.60	7.25	171.32
				4/25/2008	**175.50**	**178.57**	**17.6**	**9.46**	**169.11**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-17	**2457453.675**	**1566688.482**	**Lower**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	176.20	178.97	48.75	10.72	168.25
				2/24/1993	176.20	178.97	48.75	10.94	168.03
				5/25/1993	176.20	178.97	48.75	10.57	168.40
				7/13/1993	176.20	178.97	48.75	11.16	167.81
				11/30/1993	176.20	178.97	48.75	11.72	167.25
				10/5/1998	176.20	178.97	48.75	12	166.97
				10/10/2000	176.20	178.97	48.75	12.55	166.42
				10/26/2000	176.20	178.97	48.75	12.55	166.42
				12/21/2000	176.20	178.97	48.75	NA	NA
				11/12/2003	176.20	178.97	48.75	11.3	167.67
				2/19/2004	176.20	178.97	48.44	10.30	168.67
				5/12/2004	176.20	178.97	48.44	11.14	167.83
				4/25/2008	**176.20**	**178.97**	**48.44**	**10.37**	**168.60**
MW-19	2456769.757	1566985.121	Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	177.20	179.28	49.32	13.2	166.08
				2/24/1993	177.20	179.28	49.32	13.74	165.54
				5/25/1993	177.20	179.28	49.32	NM	NM
				7/13/1993	177.20	179.28	49.32	13.94	165.34
				11/30/1993	177.20	179.28	49.32	NM	NM
				10/10/2000	177.20	179.28	49.32	NA	NA
				10/26/2000	177.20	179.28	49.32	NA	NA
				12/21/2000	177.20	179.28	49.32	NA	NA
				3/20/2006	176.20	178.97	48.44	8.56	170.41
MW-20	**2458442.219**	**1566473.171**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	182.70	182.35	24.2	10.55	171.80
				2/24/1993	182.70	182.35	24.2	10.31	172.04
				5/25/1993	182.70	182.35	24.2	9.65	172.70
				7/13/1993	182.70	182.35	24.2	10.12	172.23
				11/30/1993	182.70	182.35	24.2	11.07	171.28
				10/10/2000	182.70	182.35	24.2	NA	NA
				10/26/2000	182.70	182.35	24.2	NA	NA
				12/21/2000	182.70	182.35	24.2	NA	NA
				11/12/2003	182.70	182.35	24.2	10.24	172.11
				3/20/2006	182.70	182.35	24.2	9.36	172.99
				4/25/2008	**182.70**	**182.35**	**24.22**	**10.07**	**172.28**
MW-21	2456912.754	1566002.952	Upper	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	175.30	177.69	25.32	7.52	170.17
				2/24/1993	175.30	177.69	25.32	9.31	168.38
				5/25/1993	175.30	177.69	25.32	9.21	168.48
				7/13/1993	175.30	177.69	25.32	10.64	167.05
				11/30/1993	175.30	177.69	25.32	11.44	166.25
				10/10/2000	175.30	177.69	25.32	NA	NA
				10/26/2000	175.30	177.69	25.32	NA	NA
				12/21/2000	175.30	177.69	25.32	NA	NA

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-23	**2458509.994**	**1566050.69**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	181.90	181.61	22.5	9.67	171.94
				2/24/1993	181.90	181.61	22.5	9.28	172.33
				5/25/1993	181.90	181.61	22.5	7.57	174.04
				7/13/1993	181.90	181.61	22.5	9.18	172.43
				11/30/1993	181.90	181.61	22.5	10.5	171.11
				10/5/1998	181.90	181.61	22.5	9.82	171.79
				10/10/2000	181.90	181.61	22.5	11.76	169.85
				10/26/2000	181.90	181.61	22.5	11.87	169.74
				12/21/2000	181.90	181.61	22.5	NA	NA
				11/13/2003	181.90	181.61	22.5	9.57	172.04
				3/20/2006	181.90	181.61	22.5	8.4	173.21
				10/23/2006	181.90	181.61	22.5	10.31	171.30
				4/23/2007	181.90	181.61	22.5	9.48	172.13
				10/23/2007	181.90	181.61	22.5	10.49	171.12
				4/25/2008	**181.90**	**181.61**	**22.5**	**9.26**	**172.35**
				9/26/2008	**181.90**	**181.61**	**22.5**	**10.17**	**171.44**
MW-24	**2458636.134**	**1565861.038**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	181.60	181.17	20.03	NMb	NM
				2/24/1993	181.60	181.17	20.03	NM	NM
				5/25/1993	181.60	181.17	20.03	NM	NM
				7/13/1993	181.60	181.17	20.03	NM	NM
				11/30/1993	181.60	181.17	20.03	NM	NM
				10/10/2000	181.60	181.17	20.03	NAPL	NM
				10/26/2000	181.60	181.17	20.03	NAPL	NM
				12/21/2000	181.60	181.17	20.03	NAPL	NM
				11/13/2003	181.60	181.17	20.03	13.3*	167.87
				3/20/2006	181.60	181.17	20.03	11.99	169.18
				4/25/2008	**181.60**	**181.17**	**20.03**	**NM**	**NM**
MW-25	**2458814.736**	**1565735.858**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	181.50	181.19	22.4	8.73	172.46
				2/24/1993	181.50	181.19	22.4	8.31	172.88
				5/25/1993	181.50	181.19	22.4	7.58	173.61
				7/13/1993	181.50	181.19	22.4	8.28	172.91
				11/30/1993	181.50	181.19	22.4	9.62	171.57
				10/10/2000	181.50	181.19	22.4	10.50	170.69
				10/26/2000	181.50	181.19	22.4	11.07	170.12
				12/21/2000	181.50	181.19	22.4	NA	NA
				11/13/2003	181.50	181.19	22.4	8.2	172.99
				3/20/2006	181.50	181.19	22.4	7.86	173.33
				4/25/2008	**181.50**	**181.19**	**22.4**	**8.22**	**172.97**
MW-27	2458809.679	1565725.19	Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	181.90	181.6	54	8.08	173.52
				7/13/1993	181.90	181.6	54	8.73	172.87
				11/30/1993	181.90	181.6	54	10.08	171.52

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-28	2458801.659	1565730.503	Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	181.80	181.43	53	8.56	172.87
				11/30/1993	181.80	181.43	53	NM	NM
MW-29	2458751.147	1565669.197	Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	181.70	181.19	55	8.27	172.92
				11/30/1993	181.70	181.19	55	9.74	171.45
MW-30	2458731.703	1565824.09	Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	181.80	180.95	53.5	8.78	172.17
				11/30/1993	181.80	180.95	53.5	10.14	170.81
MW-31	2458997.896	1565803.79	Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	182.50	184.84	66.5	11.37	173.47
				11/30/1993	182.50	184.84	66.5	12.38	172.46
MW-41	**2456941.076**	**1566720.013**	**Upper**	11/10/2003	NA	179.28	27.2	13.71	165.57
				2/19/2004	NA	179.28	26.90	12.74	166.54
				5/12/2004	NA	179.28	26.90	14.92	164.36
				3/29/2005	NA	179.24	27.20	13.50	165.74
				11/7/2005	NA	179.24	27.20	14.89	164.35
				3/20/2006	NA	179.24	27.20	11.65	167.59
				6/6/2006	NA	179.24	27.20	14.61	164.63
				10/23/2006	NA	179.24	27.20	14.97	164.27
				4/23/2007	NA	179.24	27.20	14.66	164.58
				10/22/2007	NA	179.24	27.20	15.07	164.17
				4/25/2008	**NA**	**179.24**	**27.20**	**15.05**	**164.19**
				9/23/2008	**NA**	**179.24**	**27.20**	**15.59**	**163.65**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-42	**2456942.981**	**1566729.885**	**Lower**	11/10/2003	NA	179.62	50.42	14.19	165.43
				2/19/2004	NA	179.62	50.30	13.17	166.45
				5/12/2004	NA	179.62	50.30	15.40	164.22
				3/29/2005	NA	179.58	50.45	14.06	165.52
				11/7/2005	NA	179.58	50.45	15.15	164.43
				3/20/2006	NA	179.58	50.45	11.95	167.63
				6/6/2006	NA	179.58	50.45	15.09	164.49
				10/23/2006	NA	179.58	50.45	15.38	164.20
				4/23/2007	NA	179.58	50.45	15.06	164.52
				10/22/2007	NA	179.58	50.45	15.44	164.14
				4/25/2008	**NA**	**179.58**	**50.45**	**15.38**	**164.20**
				9/24/2008	**NA**	**179.58**	**50.45**	**15.93**	**163.65**
MW-43	**2457013.90**	**1566718.457**	**PRB Upper**	3/29/2005	179.3	179.17	24.35	12.66	166.51
				11/7/2005	179.3	179.17	24.35	14.93	164.24
				3/20/2006	179.3	179.17	24.35	10.99	168.18
				6/6/2006	179.3	179.17	24.35	13.96	165.21
				10/23/2006	179.3	179.17	24.35	14.48	164.69
				4/23/2007	179.3	179.17	24.35	14.24	164.93
				10/22/2007	179.3	179.17	24.35	14.67	164.50
				4/25/2008	**179.3**	**179.17**	**24.35**	**14.5**	**164.67**
				9/23/2008	**179.3**	**179.17**	**24.35**	**15.18**	**163.99**
MW-44	**2457017.92**	**1566729.756**	**PRB Lower**	3/29/2005	179.1	178.90	46.1	12.05	166.85
				11/7/2005	179.1	178.90	46.1	13.98	164.92
				3/20/2006	179.1	178.90	46.1	10.36	168.54
				6/6/2006	179.1	178.90	46.1	13.62	165.28
				10/23/2006	179.1	178.90	46.1	13.83	165.07
				4/23/2007	179.1	178.90	46.1	13.50	165.40
				10/22/2007	179.1	178.90	46.1	14.26	164.64
				4/25/2008	**179.1**	**178.90**	**46.1**	**13.98**	**164.92**
				9/26/2008	**179.1**	**178.90**	**46.1**	**14.71**	**164.19**
MW-45	**2457105.423**	**1566690.483**	**Upper**	11/10/2003	NA	178.59	27.8	12.06	166.53
				2/19/2004	NA	178.59	27.48	11.90	166.69
				5/12/2004	NA	178.59	27.48	13.02	165.57
				3/29/2005	NA	178.59	27.80	10.75	167.84
				11/7/2005	NA	178.59	27.48	11.81	166.78
				3/20/2006	NA	178.59	27.48	8.6	169.99
				6/6/2006	NA	178.59	27.48	11.01	167.58
				10/23/2006	NA	178.59	27.48	11.75	166.84
				4/23/2007	NA	178.59	27.48	11.10	167.49
				10/22/2007	NA	178.59	27.48	11.78	166.81
				4/25/2008	**NA**	**178.59**	**27.48**	**10.71**	**167.88**
				9/23/2008	**NA**	**178.59**	**27.48**	**11.87**	**166.72**
MW-46	**2457093.157**	**1566687.292**	**Lower**	11/10/2003	NA	178.37	48.85	11.5	166.87
				2/19/2004	NA	178.37	42.60	10.28	168.09
				5/12/2004	NA	178.37	42.60	13.33	165.04
				3/29/2005	NA	178.37	48.85	10.74	167.63
				11/7/2005	NA	178.37	48.85	11.74	166.63
				3/20/2006	NA	178.37	48.85	8.6	169.77
				6/6/2006	NA	178.37	48.85	10.91	167.46
				10/23/2006	NA	178.37	48.85	11.62	166.75
				4/23/2007	NA	178.37	48.85	10.97	167.40
				10/22/2007	NA	178.37	48.85	11.62	166.75
				4/25/2008	**NA**	**178.37**	**48.85**	**10.56**	**167.81**
				9/24/2008	**NA**	**178.37**	**48.85**	**11.66**	**166.71**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-47	**2456694.332**	**1566346.026**	**Upper**	11/10/2003	NA	178.64	27.7	13.33	165.31
				2/19/2004	NA	178.64	27.40	11.66	166.98
				5/12/2004	NA	178.64	27.40	13.5	165.14
				3/29/2005	NA	178.64	27.68	13.10	165.54
				11/7/2005	NA	178.64	27.68	14.71	163.93
				3/20/2006	NA	178.64	27.68	10.9	167.74
				6/6/2006	NA	178.64	27.68	14.11	164.53
				10/23/2006	NA	178.64	27.68	14.55	164.09
				4/23/2007	NA	178.64	27.68	14.10	164.54
				10/22/2007	**NA**	**178.64**	**27.68**	**14.54**	**164.10**
				4/25/2008	**NA**	**178.64**	**27.68**	**14.05**	**164.59**
				9/23/2008	**NA**	**178.64**	**27.68**	**14.98**	**163.66**
MW-48	**2456695.743**	**1566357.797**	**Lower**	11/10/2003	NA	178.43	52.62	12.96	165.47
				2/19/2004	NA	178.43	52.34	11.15	167.28
				5/12/2004	NA	178.43	52.34	12.9	165.53
				3/29/2005	NA	178.43	52.60	12.42	166.01
				11/7/2005	NA	178.43	52.60	14.87	163.56
				3/20/2006	NA	178.43	52.60	10.36	168.07
				6/6/2006	NA	178.43	52.60	13.55	164.88
				10/23/2006	NA	178.43	52.60	14.1	164.33
				4/23/2007	NA	178.43	52.60	13.57	164.86
				10/22/2007	NA	178.43	52.60	14.13	164.30
				4/25/2008	**NA**	**178.43**	**52.60**	**13.42**	**165.01**
				9/24/2008	**NA**	**178.43**	**52.60**	**14.51**	**163.92**
MW-49	**2456783.419**	**1566335.694**	**PRB Lower**	3/29/2005	178.4	178.25	48.0	11.54	166.71
				11/7/2005	178.4	178.25	48.0	13.36	164.89
				3/20/2006	178.4	178.25	48.0	9.39	168.86
				6/6/2006	178.4	178.25	48.0	12.85	165.40
				10/23/2006	178.4	178.25	48.0	13.54	164.71
				4/23/2007	178.4	178.25	48.0	12.92	165.33
				10/22/2007	178.4	178.25	48.0	13.56	164.69
				4/25/2008	**178.4**	**178.25**	**48.0**	**12.62**	**165.63**
				9/26/2008	**178.4**	**178.25**	**48.0**	**13.84**	**164.41**
MW-50	**2456792.017**	**1566344.920**	**PRB Upper**	3/29/2005	178.6	178.43	24.03	11.71	166.72
				11/7/2005	178.6	178.43	24.03	13.54	164.89
				3/20/2006	178.6	178.43	24.03	9.49	168.94
				6/6/2006	178.6	178.43	24.03	13.05	165.38
				10/23/2006	178.6	178.43	24.03	13.7	164.73
				4/23/2007	178.6	178.43	24.03	13.06	165.37
				10/22/2007	178.6	178.43	24.03	13.71	164.72
				4/25/2008	**178.6**	**178.43**	**24.03**	**12.79**	**165.64**
				9/23/2008	**178.6**	**178.43**	**24.03**	**14.08**	**164.35**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-51	**2456856.993**	**1566239.968**	**Upper**	11/10/2003	NA	178.22	27.94	12.04	166.18
				2/19/2004	NA	178.22	27.60	9.50	168.72
				5/12/2004	NA	178.22	27.60	11.62	166.60
				3/29/2005	NA	178.22	27.60	10.36	167.86
				11/7/2005	NA	178.22	27.60	13.34	164.88
				3/20/2006	NA	178.22	27.60	7.8	170.42
				6/6/2006	NA	178.22	27.60	11.6	166.62
				10/23/2006	NA	178.22	27.60	12.29	165.93
				4/23/2007	NA	178.22	27.60	11.38	166.84
				10/22/2007	NA	178.22	27.60	12.42	165.80
				4/25/2008	**NA**	**178.22**	**27.60**	**11.09**	**167.13**
				9/24/2008	**NA**	**178.22**	**27.60**	**12.96**	**165.26**
MW-52	**2456863.3**	**1566229.207**	**Lower**	11/10/2003	NA	178.07	46.4	12.21	165.86
				2/19/2004	NA	178.07	45.96	10.16	167.91
				5/12/2004	NA	178.07	45.96	11.96	166.11
				3/29/2005	NA	178.07	46.25	10.77	167.30
				11/7/2005	NA	178.07	46.25	12.55	165.52
				3/20/2006	NA	178.07	46.25	8.09	169.98
				6/6/2006	NA	178.07	46.25	11.37	166.70
				10/23/2006	NA	178.07	46.25	12.42	165.65
				4/23/2007	NA	178.07	46.25	11.57	166.50
				10/22/2007	NA	178.07	46.25	12.48	165.59
				4/25/2008	**NA**	**178.07**	**46.25**	**10.86**	**167.21**
				9/24/2008	**NA**	**178.07**	**46.25**	**12.64**	**165.43**
MW-53	**2457070.907**	**1566087.491**	**Upper**	11/10/2003	NA	177.91	28	10.62	167.29
				2/19/2004	NA	177.91	27.66	7.63	170.28
				5/12/2004	NA	177.91	27.66	9.92	167.99
				3/29/2005	NA	177.91	27.95	8.57	169.34
				11/8/2005	NA	177.91	27.95	10.76	167.15
				3/20/2006	NA	177.91	27.95	6.3	171.61
				6/6/2006	NA	177.91	27.95	9.7	168.21
				10/23/2006	NA	177.91	27.95	10.86	167.05
				4/23/2007	NA	177.91	27.95	9.81	168.10
				10/22/2007	NA	177.91	27.95	11.09	166.82
				4/25/2008	**NA**	**177.91**	**27.95**	**9.2**	**168.71**
				9/24/2008	**NA**	**177.91**	**27.95**	**11.21**	**166.70**
MW-54	**2457012.081**	**1565991.994**	**Lower**	11/10/2003	NA	178.45	45.11	11.04	167.41
				2/19/2004	NA	178.45	44.80	8.42	170.03
				5/12/2004	NA	178.45	44.80	10.70	167.75
				3/29/2005	NA	178.45	45.10	9.40	169.05
				11/7/2005	NA	178.45	45.10	11.69	166.76
				4/25/2008	**NA**	**178.45**	**45.1**	**10.09**	**168.36**
				9/24/2008	**NA**	**178.45**	**45.1**	**12.11**	**166.34**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
DW-4	NA	NA	Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	180.70	183.73	47.3	9.39	174.34
				7/13/1993	180.70	183.73	47.3	15.51	168.22
				11/30/1993	180.70	183.73	47.3	16.13	167.60
GP-1	NA	NA	NA	10/10/2000	NA	179.96	NA	NA	NA
				10/26/2000	NA	179.96	NA	15.54	164.42
				5/12/2004	NA	179.96	NA	NA	NA
GP-4	NA	NA	NA	10/10/2000	NA	179.36	NA	NA	NA
				10/26/2000	NA	179.36	NA	14.40	164.96
				5/12/2004	NA	179.36	26.80	13.04	166.32
				3/20/2006	NA	178.45	45.10	6.96	171.49
				6/6/2006	NA	178.45	45.10	10.62	167.83
				10/23/2006	NA	178.45	45.10	11.80	166.65
				4/23/2007	NA	178.45	45.10	10.67	167.78
				10/22/2007	NA	178.45	45.10	12.02	166.43
RT-1	**NA**	**NA**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NA	185.18	22.38	13.08	172.10
				2/24/1993	NA	185.18	22.38	12.7	172.48
				5/25/1993	NA	185.18	22.38	12.02	173.16
				7/13/1993	NA	185.18	22.38	12.61	172.57
				11/30/1993	NA	185.18	22.38	13.88	171.30
				10/10/2000	NA	185.18	22.38	15.13	170.05
				10/26/2000	NA	185.18	22.38	15.25	169.93
				12/21/2000	NA	185.18	22.38	NA	NA
				11/13/2003	NA	185.18	22.38	12.96	172.22
				3/20/2006	NA	185.18	22.38	11.7	173.48
				10/23/2006	NA	185.18	22.38	13.71	171.47
				4/25/2008	**NA**	**185.18**	**22.38**	**12.69**	**172.49**
				9/26/2008	**NA**	**185.18**	**22.38**	**13.63**	**171.55**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
RT-2	**NA**	**NA**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NA	184.56	22.05	13.03	171.53
				2/24/1993	NA	184.56	22.05	12.7	171.86
				5/25/1993	NA	184.56	22.05	12.06	172.50
				7/13/1993	NA	184.56	22.05	12.62	171.94
				11/30/1993	NA	184.56	22.05	13.83	170.73
				10/10/2000	NA	184.56	22.05	15.04	169.52
				10/26/2000	NA	184.56	22.05	15.13	169.43
				12/21/2000	NA	184.56	22.05	NA	NA
				11/12/2003	NA	184.56	22.05	12.89	171.67
				3/20/2006	NA	184.56	22.05	11.9	172.66
				10/23/2006	NA	184.56	22.05	13.6	170.96
				4/23/2007	NA	184.56	22.05	12.78	171.78
				10/23/2007	NA	184.56	22.05	13.79	170.77
				4/25/2008	**NA**	**184.56**	**22.05**	**12.5**	**172.06**
				9/26/2008	**NA**	**184.56**	**22.05**	**13.5**	**171.06**
RT-3	**NA**	**NA**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NA	184.0	22.04	12.27	171.73
				2/24/1993	NA	184.0	22.04	11.92	172.08
				5/25/1993	NA	184.0	22.04	11.2	172.80
				7/13/1993	NA	184.0	22.04	11.84	172.16
				11/30/1993	NA	184.0	22.04	13.07	170.93
				10/10/2000	NA	184.0	22.04	14.34	169.66
				10/26/2000	NA	184.0	22.04	14.43	169.57
				12/21/2000	NA	184.0	22.04	NA	NA
				11/13/2003	NA	184.0	22.04	12.18	171.82
				3/20/2006	NA	184.0	22.04	10.97	173.03
				10/23/2006	NA	184.0	22.04	12.87	171.13
				4/25/2008	**NA**	**184.0**	**22.04**	**11.76**	**172.24**
				9/26/2008					
RT-4	**NA**	**NA**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NA	184.33	22.38	13.02	171.31
				2/24/1993	NA	184.33	22.38	12.78	171.55
				5/25/1993	NA	184.33	22.38	12.12	172.21
				7/13/1993	NA	184.33	22.38	12.63	171.70
				11/30/1993	NA	184.33	22.38	13.72	170.61
				10/10/2000	NA	184.33	22.38	14.86	169.47
				10/26/2000	NA	184.33	22.38	14.95	169.38
				12/21/2000	NA	184.33	22.38	NA	NA
				11/13/2003	NA	184.33	22.38	12.88	171.45
				3/20/2006	NA	184.0	22.04	11.99	172.01
				10/23/2006	NA	184.0	22.04	13.49	170.51
				4/23/2007	NA	184.0	22.04	12.85	171.15
				10/23/2007	NA	184.0	22.04	13.67	170.33
				4/25/2008	**NA**	**184.0**	**22.04**	**12.48**	**171.52**
				9/26/2008	**NA**	**184.0**	**22.04**	**13.4**	**170.60**

TABLE 12

GROUNDWATER ELEVATIONS

Grenada Manufacturing Site
Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
RT-5	**NA**	**NA**	**Upper**	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NA	184.17	19.6	12.82	171.35
				2/24/1993	NA	184.17	19.6	12.56	171.61
				5/25/1993	NA	184.17	19.6	NM	NM
				7/13/1993	NA	184.17	19.6	12.47	171.70
				11/30/1993	NA	184.17	19.6	13.57	170.60
				10/5/1998	NA	184.17	19.6	13.05	171.12
				10/10/2000	NA	184.17	19.6	14.71	169.46
				10/26/2000	NA	184.17	19.6	14.80	169.37
				12/21/2000	NA	184.17	19.6	NA	NA
				11/13/2003	NA	184.17	19.6	12.72	171.45
				3/20/2006	NA	184.17	19.6	11.74	172.43
				10/23/2006	NA	184.17	19.6	13.28	170.89
				4/23/2007	NA	184.17	19.6	12.60	171.57
				10/22/2007	NA	184.17	19.6	13.49	170.68
				4/25/2008	**NA**	**185.17**	**19.6**	**12.27**	**172.90**
				9/26/2008	**NA**	**185.17**	**19.6**	**13.25**	**171.92**

Footnotes:

ft bTOC	Feet below Top of Casing
ft msl	Feet above mean sea level
NA	Not Available
NM	Not Measured
NI	Not Installed
NAPL	Well contained either light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL)
PRB	Well installed within iron backfill of permeable reactive barrier (PRB)
*	Groundwater elevation may be skewed due to the presence of LNAPL.

TABLE 12

GROUNDWATER ELEVATIONS

Grenada, Mississippi

Monitoring Well	Easting	Northing	Well Type	Date (m/d/y)	Ground Surface Elevation (ft msl)	Measuring Point Elevation (ft msl)	Total Depth (ft bTOC*)	Depth to Water (ft bTOC)	Groundwater Elevation (ft msl)
MW-22	2459566.594	1565135.168	NA	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NA	186.3	NA	12.06	174.24
				2/24/1993	NA	186.3	NA	11.72	174.58
				5/25/1993	NA	186.3	NA	10.95	175.35
				7/13/1993	NA	186.3	NA	11.92	174.38
				11/30/1993	NA	186.3	NA	13.31	172.99
MW-26	2459908.574	1564996.273	NA	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NA	180.95	NA	6.2	174.75
				7/13/1993	NA	180.95	NA	8.62	172.33
				11/30/1993	NA	180.95	NA	10.5	170.45
MW-32	2459913.067	1564977.036	NA	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NA	180.73	NA	7.14	173.59
				11/30/1993	NA	180.73	NA	8.31	172.42
MW-33	2461471.755	1564331.301	Upper	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NA	180.75	21.42	7.25	173.50
				11/30/1993	NA	180.75	21.42	8.74	172.01
MW-34	2461485.601	1564325.385	Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NA	180.84	51.36	9.12	171.72
				11/30/1993	NA	180.84	51.36	11.01	169.83
MW-35	2461779.602	1565155.106	Upper	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NA	181.08	20.1	12.77	168.31
				11/30/1993	NA	181.08	20.1	13.73	167.35

TABLE 12

GROUNDWATER ELEVATIONS

Grenada, Mississippi

MW-36	2460496.564	1563704.617	Upper	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NA	178.75	20.32	8.33	170.42
				11/30/1993	NA	178.75	20.32	9.62	169.13
MW-37			Upper	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NI	NI	NI	NI	NI
				11/30/1993	NA	182.39	21.32	11.11	171.28
MW-38			Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NI	NI	NI	NI	NI
				11/30/1993	NA	182.39	46.02	12.18	170.21
MW-39			Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NI	NI	NI	NI	NI
				11/30/1993	NA	181.1	47.46	11.12	169.98
MW-40			Lower	12/19/1991	NI	NI	NI	NI	NI
				1/22/1993	NI	NI	NI	NI	NI
				2/24/1993	NI	NI	NI	NI	NI
				5/25/1993	NI	NI	NI	NI	NI
				7/13/1993	NI	NI	NI	NI	NI
				11/30/1993	NA	178.98	48.82	9.18	169.80

Footnotes:

NA	Not Available
NM	Not Measure
NI	Not Installed
NAPL	Well contained either light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL)

TABLE 13

RESULTS FOR VOCS DETECTED IN SURFACE WATER

Grenada Manufacturing Site
Grenada, Mississippi

Sample Location	Sample Date	Tetrachloro-ethene (mg/L)	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	1,2-Dichloro-ethene (Total) (mg/L)	Toluene (mg/L)	Xylene (total) (mg/L)
SW-22A	May '93	0.001 U	0.001 U	NA	0.002 U	0.001 U	0.001 U	0.001 U
SW-22B	May '93	0.001 U	0.001 U	NA	0.002 U	0.001 U	0.001 U	0.001 U
SW-22C	May '93	0.001 U	0.001 U	NA	0.002 U	0.001 U	0.001 U	0.001 U
SW-22	Nov '03	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22 DUP	Nov '03	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Feb '04	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-22	May '04	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Aug '04	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Nov '04	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Mar '05	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	May '05	0.0003 U	0.0002 U	0.0003 U	0.0005 U	NA	0.0002 U	0.0002 U
SW-22	Jan '06	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Mar '06	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
DUP SW-A	Mar '06	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Jul '06	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Oct '06	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
DUP SW-AB	Oct '06	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	May '07	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22 Dup (SW-30)	May '07	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Jul '07	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	Oct '07	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-22	**Apr '08**	**0.0001 U**	**0.00041 JB**	**0.00017 J**	**0.0002 U**	**NA**	**0.00016 U**	**NA**
SW-22	**Sep '08**	**0.0001 U**	**0.00023 U**	**0.00014 U**	**0.0002 U**	**NA**	**0.00044 J**	**NA**
SW-22 DUP	**Sep '08**	**0.0001 U**	**0.0058**	**0.003**	**0.0034**	**NA**	**0.00016 U**	**NA**
SW-12	Feb '93	0.001 U	0.099	NA	0.002 U	0.039	0.0017 J	0.0011 J
SW-12	Nov '03	0.001 U	0.022	0.033	0.0018 J	NA	0.001 U	NA
SW-12	Feb '04	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-12 DUP	Feb '04	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-12	May '04	0.00042 J	0.077	0.11	0.0047	NA	0.001 U	NA
SW-12 DUP	May '04	0.001 U	0.058	0.095	0.0028	NA	0.001 U	NA
SW-12	Aug '04	0.001 U	0.061	0.099	0.0035	NA	0.001 U	NA
SW-12	Nov '04	0.001 U	0.0018	0.0052	0.002 U	NA	0.001 U	NA
SW-12	Mar '05	0.001 U	0.004	0.013	0.00064 J	NA	0.001 U	NA
SW-12	May '05	0.0003 U	0.00089 J	0.0017	0.0005 U	NA	0.0002 U	0.0002 U
SW-12	Jan '06	0.001 U	0.0034	0.0029	0.002 U	NA	0.001 U	NA
SW-12	Mar '06	0.001 U	0.0014	0.0018	0.002 U	NA	0.001 U	NA
SW-12	Jul '06	0.001 U	0.0039	0.0073	0.002 U	NA	0.001 U	NA
SW-12	Oct '06	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-12	May '07	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-12	Jul '07	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-12	Oct '07	0.001 U	0.00055 J	0.001	0.002 U	NA	0.001 U	NA
SW-12 Dup (SW-14)	Oct '07	0.001 U	0.001 U	0.001 U	0.002 U	NA	0.001 U	NA
SW-12	**Apr '08**	**0.0001 U**	**0.004 B**	**0.0044**	**0.00052 J**	**NA**	**0.0003 J**	**NA**
SW-12 Dup (43008)	**Apr '08**	**0.0001 U**	**0.0078**	**0.005**	**0.0006 J**	**NA**	**0.00034 J**	**NA**
SW-12	**Sep '08**	**0.0001 U**	**0.0023**	**0.007**	**0.00095 J**	**NA**	**0.00042 J**	**NA**
SW-19A	May '93	0.001 U	0.55 D	NA	0.013 J	0.13	0.001 U	0.001 U
SW-19B	May '93	0.001 U	0.5 D	NA	0.014 J	0.13	0.001 U	0.001 U
SW-19C	May '93	0.001 U	0.57 D	NA	0.014 J	0.14	0.001 U	0.001 U
SW-19	Nov '03	0.001 U	0.079	0.059	0.0033	NA	0.001 U	NA
SW-19	Feb '04	0.001 U	0.094	0.11	0.015	NA	0.001 U	0.001 U
SW-19	May '04	0.001 U	0.049	0.062	0.0058	NA	0.001 U	NA
SW-19	Aug '04	0.00056 J	0.28 D	0.3 D	0.036	NA	0.001 U	NA
SW-19 DUP	Aug '04	0.00061 J	0.27 D	0.31 D	0.035	NA	0.001 U	NA
SW-19	Nov '04	0.001 U	0.011	0.0077	0.002 U	NA	0.001 U	NA
SW-19	Mar '05	0.001 U	0.0085	0.015	0.00089 J	NA	0.001 U	NA
SW-19	May '05	0.0003 U	0.00088 J	0.0032	0.0005 U	NA	0.00044 J	0.0002 U
SW-19	Jan '06	0.001 U	0.0034	0.0029	0.002 U	NA	0.001 U	NA
DUP SW-23	Jan '06	0.001 U	0.001	0.0025	0.002 U	NA	0.001 U	NA
SW-19	Mar '06	0.001 U	0.002	0.0023	0.002 U	NA	0.001 U	NA
SW-19	Jul '06	0.001 U	0.004	0.0084	0.002 U	NA	0.001 U	NA
DUP SW-23	Jul '06	0.001 U	0.0035	0.0089	0.002 U	NA	0.001 U	NA
SW-19	Oct '06	0.001 U	0.0024	0.0049	0.002 U	NA	0.001 U	NA
SW-19	May '07	0.001 U	0.0034	0.032	0.042	NA	0.001 U	NA
SW-19	Jul '07	0.001 U	0.00099 J	0.002	0.0012 J	NA	0.001 U	NA
SW-19 DUP (SW-BA)	Jul '07	0.001 U	0.00120	0.0023	0.0012 J	NA	0.001 U	NA
SW-19	Oct '07	0.001 U	0.00037 J	0.00085 J	0.00057 J	NA	0.001 U	NA
SW-19	**Apr '08**	**0.0001 U**	**0.0078 JB**	**0.0011**	**0.00033 J**	**NA**	**0.00016 U**	**NA**
SW-19	**Sep '08**	**0.0001 U**	**0.018**	**0.1**	**0.027**	**NA**	**0.00019 J**	**NA**

TABLE 13

RESULTS FOR VOCS DETECTED IN SURFACE WATER

Grenada Manufacturing Site
Grenada, Mississippi

Sample Location	Sample Date	Tetrachloro-ethene (mg/L)	Trichloro-ethene (mg/L)	cis-1,2-Dichloro-ethene (mg/L)	Vinyl chloride (mg/L)	1,2-Dichloro-ethene (Total) (mg/L)	Toluene (mg/L)	Xylene (total) (mg/L)
SW-9	Feb '93	0.001 U	0.28 D	NA	0.002 U	0.057	0.001 U	0.002 U
SW-9 DUP	Feb '93	0.001 U	0.29 D	NA	0.002 U	0.056	0.001 U	0.002 U
SW-9	Nov '03	0.002 UD	0.12 D	0.083 D	0.0076 D	NA	0.002 UD	NA
SW-9	Feb '04	0.001 U	0.0510	0.034	0.004	NA	0.001 U	0.001 U
SW-9	May '04	0.00031 J	0.1100	0.07	0.0058	NA	0.001 U	NA
SW-9	Aug '04	0.001 U	0.1500	0.11	0.0092	NA	0.001 U	NA
SW-9	Nov '04	0.001 U	0.0590	0.036	0.0046	NA	0.001 U	NA
SW-9 DUP	Nov '04	0.001 U	0.0600	0.037	0.0043	NA	0.001 U	NA
SW-9	Mar '05	0.001 U	0.0340	0.045	0.0034	NA	0.001 U	NA
SW-9 DUP	Mar '05	0.001 U	0.0330	0.042	0.0036	NA	0.001 U	NA
SW-9	May '05	0.0003 U	0.0160	0.038	0.0068	NA	0.0002 U	0.0002 U
SW-9	Jan '06	0.001 U	0.0038	0.010	0.0039	NA	0.001 U	NA
SW-9	Mar '06	0.001 U	0.0047	0.011	0.0034	NA	0.001 U	NA
SW-9	Jul '06	0.001 U	0.0047	0.023	0.0064	NA	0.001 U	NA
SW-9	Oct '06	0.001 U	0.0045	0.016	0.0091	NA	0.001 U	NA
SW-9	May '07	0.001 U	0.0040	0.020	0.0072	NA	0.001 U	NA
SW-9	Jul '07	0.001 U	0.0048	0.018	0.0089	NA	0.001 U	NA
SW-9	Oct '07	0.001 U	0.0015	0.008	0.0028	NA	0.001 U	NA
SW-9	**Apr '08**	**0.0001 U**	**0.0063 B**	**0.019**	**0.0051**	**NA**	**0.00016 U**	**NA**
SW-9	**Sep '08**	**0.0001 U**	**0.0120**	**0.073**	**0.015**	**NA**	**0.00032 J**	**NA**
SW-17A	May '93	0.001 U	0.16 D	NA	0.002 U	0.059	0.001 U	0.001 U
SW-17B	May '93	0.001 U	0.17 D	NA	0.002 U	0.055	0.001 U	0.001 U
SW-17C	May '93	0.001 U	0.17 D	NA	0.002 U	0.058	0.001 U	0.001 U
SW-17	Nov '03	0.001 U	0.096	0.065	0.0053	NA	0.001 U	NA
SW-17	Feb '04	0.001 U	0.05	0.032	0.0039	NA	0.001 U	0.001 U
SW-17	May '04	0.00035 J	0.1	0.068	0.0072	NA	0.001 U	NA
SW-17	Aug '04	0.001 U	0.12	0.08	0.0063	NA	0.001 U	NA
SW-17	Nov '04	0.001 U	0.048	0.028	0.0035	NA	0.001 U	NA
SW-17	Mar '05	0.001 U	0.022	0.031	0.0024	NA	0.001 U	NA
SW-17	May '05	0.0003 U	0.0086	0.023	0.0033	NA	0.0002 U	0.0002 U
SW-17 DUP	May '05	0.0003 U	0.0094	0.023	0.0038	NA	0.0002 U	0.0002 U
SW-17	Jan '06	0.001 U	0.0047	0.012	0.0043	NA	0.001 U	NA
SW-17	Mar '06	0.001 U	0.0034	0.008	0.002	NA	0.001 U	NA
SW-17	Jul '06	0.001 U	0.0029	0.013	0.0023	NA	0.001 U	NA
SW-17	Oct '06	0.001 U	0.0031	0.012	0.0057	NA	0.001 U	NA
SW-17	May '07	0.001 U	0.0014	0.0074	0.0019 J	NA	0.001 U	NA
SW-17	Jul '07	0.001 U	0.0024	0.0088	0.0034	NA	0.001 U	NA
SW-17	Oct '07	0.001 U	0.001	0.0052	0.0016 J	NA	0.001 U	NA
SW-17	**Apr '08**	**0.0001 U**	**0.0041 B**	**0.012**	**0.0028**	**NA**	**0.00016 U**	**NA**
SW-17	**Sep '08**	**0.0001 U**	**0.0062**	**0.032**	**0.0039**	**NA**	**0.00025 J**	**NA**

Notes:
U = Below Detection Limit
D = Result from sample dilution
J = Result was estimated
X = Result associated with a laboratory contaminant
NA = Not Available or Not Analyzed

TABLE 13

RESULTS FOR VOCS DETECTED IN SURFACE WATER

Grenada Manufacturing Site
Grenada, Mississippi

Sample Location	Sample Date	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	trans-1,2-Dichloro-ethene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
SW-22A	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-22B	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-22C	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-22	Nov '03	U	NA	NA	U	U
SW-22 DUP	Nov '03	U	NA	NA	U	U
SW-22	Feb '04	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW-22	May '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	Aug '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	Nov '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	Mar '05	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	May '05	0.0002 U	0.0003 U	0.0003 U	0.0002 U	0.0002 U
SW-22	Jan '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	Mar '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
DUP SW-A	Mar '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	Jul '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	Oct '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
DUP SW-AB	Oct '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	May '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22 Dup (SW-30)	May '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	Jul '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	Oct '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-22	**Apr '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-22	**Sep '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-22 DUP	**Sep '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-12	Feb '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-12	Nov '03	0.001 U	NA	NA	0.001 U	0.001 U
SW-12	Feb '04	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW-12 DUP	Feb '04	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW-12	May '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12 DUP	May '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	Aug '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	Nov '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	Mar '05	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	May '05	0.0002 U	0.0003 U	0.0003 U	0.0002 U	0.0002 U
SW-12	Jan '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	Mar '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	Jul '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	Oct '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	May '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	Jul '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	Oct '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12 Dup (SW-14)	Oct '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-12	**Apr '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-12 Dup (43008)	**Apr '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-12	**Sep '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-19A	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-19B	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-19C	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-19	Nov '03	0.001 U	NA	NA	0.001 U	0.001 U
SW-19	Feb '04	0.001 U	0.001 U	0.00051 J	0.001 U	0.001 U
SW-19	May '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	Aug '04	0.001 U	0.0008 J	NA	0.001 U	0.001 U
SW-19 DUP	Aug '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	Nov '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	Mar '05	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	May '05	0.0002 U	0.0003 U	0.0003 U	0.0002 U	0.0002 U
SW-19	Jan '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
DUP SW-23	Jan '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	Mar '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	Jul '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
DUP SW-23	Jul '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	Oct '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	May '07	0.001 U	0.001 U	NA	0.001 U	0.0002 J
SW-19	Jul '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19 DUP (SW-BA)	Jul '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	Oct '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-19	**Apr '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-19	**Sep '08**	**0.00013 U**	**0.00039 J**	**NA**	**0.0001 U**	**0.00012 U**

TABLE 13

RESULTS FOR VOCS DETECTED IN SURFACE WATER

Grenada Manufacturing Site
Grenada, Mississippi

Sample Location	Sample Date	1,2-Dichloro-ethane (mg/L)	1,1-Dichloro-ethene (mg/L)	trans-1,2-Dichloro-ethene (mg/L)	1,1,2-Trichloro-ethane (mg/L)	Benzene (mg/L)
SW-9	Feb '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-9 DUP	Feb '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-9	Nov '03	0.002 UD	0.002 UD	NA	0.002 UD	0.002 UD
SW-9	Feb '04	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW-9	May '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	Aug '04	0.001 U	0.00042 J	NA	0.001 U	0.001 U
SW-9	Nov '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9 DUP	Nov '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	Mar '05	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9 DUP	Mar '05	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	May '05	0.0002 U	0.0003 U	0.0003 U	0.0002 U	0.0002 U
SW-9	Jan '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	Mar '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	Jul '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	Oct '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	May '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	Jul '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	Oct '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-9	**Apr '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-9	**Sep '08**	**0.00013 U**	**0.00024 J**	**NA**	**0.0001 U**	**0.00012 U**
SW-17A	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-17B	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-17C	May '93	0.001 U	0.002 U	NA	0.001 U	0.001 U
SW-17	Nov '03	0.001 U	NA	NA	0.001 U	0.001 U
SW-17	Feb '04	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW-17	May '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	Aug '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	Nov '04	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	Mar '05	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	May '05	0.0002 U	0.0003 U	0.0003 U	0.0002 U	0.0002 U
SW-17 DUP	May '05	0.0002 U	0.0003 U	0.0003 U	0.0002 U	0.0002 U
SW-17	Jan '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	Mar '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	Jul '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	Oct '06	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	May '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	Jul '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	Oct '07	0.001 U	0.001 U	NA	0.001 U	0.001 U
SW-17	**Apr '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**
SW-17	**Sep '08**	**0.00013 U**	**0.00013 U**	**NA**	**0.0001 U**	**0.00012 U**

Notes:
U = Below Detection Limit
D = Result from sample dilution
J = Result was estimated
X = Result associated with a laboratory contaminant
NA = Not Available or Not Analyzed

TABLE 14

RESULTS FOR INORGANICS DETECTED IN SURFACE WATER

Grenada Manufacturing Site
Grenada, Mississippi

Sample Location	Sample Date	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)
Mississippi and EPA Aquatic Life Criteria[a]					
Acute		0.34 (III)	--	0.016	0.03
Chronic		0.15 (III)	--	0.011	0.0018
Mississippi Surface Water Human Health Criteria[b]		0.024 (Total)	--	1.47	--
SW-22A	May '93	0.005 U	0.0037 X	0.025 U	0.0053 X
SW-22B	May '93	0.005 U	0.0042 X	0.025 U	0.0036 X
SW-22C	May '93	0.005 U	0.0056 X	0.025 U	0.005 X
SW-22	Nov '03	0.005 U	0.005 U	0.05 U	0.005 U
SW-22 DUP	Nov '03	0.005 U	0.005 U	0.025 U	0.005 U
SW-22	Feb '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-22	May '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-22	Aug '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-22	Nov '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-22	Mar '05	0.005 U	0.005 U	0.025 U	0.003 U
SW-22	May '05	0.005 U	0.005 U	0.010 U	0.003 U
SW-22	Jan '06	0.005 U	0.005 U	0.010 U	0.003 U
SW-22	Mar '06	0.003 U	0.002 U	0.025 U	0.0015 U
DUP SW-A	Mar '06	0.003 U	0.002 U	0.025 U	0.0015 U
SW-22	Jul '06	0.003 U	0.002 U	0.025 U	0.0015 U
SW-22	Oct '06	0.003 U	0.002 U	0.010 U	0.0015 U
DUP SW-AB	Oct '06	0.003 U	0.002 U	0.010 U	0.0015 U
SW-22	May '07	0.003 U	0.002 U	0.010 U	0.0015 U
SW-22 Dup (SW-30)	May '07	0.003 U	0.002 U	0.010 U	0.0015 U
SW-22	Jul '07	0.0038	0.002 U	0.025 UN	0.0015 U
SW-22	Oct '07	0.003 U	0.0037	0.054	0.0015 U
SW-22	**Apr '08**	**0.0038 B**	**0.002 U**	**0.010 U**	**0.0028 B**
SW-22	**Sep '08**	**0.003 U**	**0.002 U**	**0.010 U**	**0.0015 U**
SW-22 (DUP)	**Sep '08**	**0.003 U**	**0.002 U**	**0.010 U**	**0.0015 U**
SW-12	Feb '93	0.005 U	0.431	0.164	0.0039
SW-12	Nov '03	0.005 U	0.033	0.025 U	0.005 U
SW-12	Feb '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-12 DUP	Feb '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-12	May '04	0.005 U	0.43	0.025 U	0.033
SW-12 DUP	May '04	0.005 U	0.18	0.025 U	0.015
SW-12	Aug '04	0.005 U	0.018	0.025 U	0.003 U
SW-12	Nov '04	0.005 U	0.013	0.025 U	0.003 U
SW-12	Mar '05	0.005 U	0.005 U	0.025 U	0.003 U
SW-12	May '05	0.005 U	0.005 U	0.010 U	0.003 U
SW-12	Jan '06	0.005 U	0.005 U	0.010 U	0.003 U
SW-12	Mar '06	0.003 U	0.002 U	0.025 U	0.0015 U
SW-12	Jul '06	0.003 U	0.002 U	0.025 U	0.0015 U
SW-12	Oct '06	0.003 U	0.002 U	0.014	0.0015 U
SW-12	May '07	0.003 U	0.002 U	0.010 U	0.0015 U
SW-12	Jul '07	0.003 U	0.002 U	0.025 UN	0.0015 U
SW-12	Oct '07	0.003 U	0.0035	0.055	0.0024
SW-12 Dup (SW-14)	Oct '07	0.003 U	0.0039	0.054	0.0015 U
SW-12	**Apr '08**	**0.003 U**	**0.002 U**	**0.010 U**	**0.0029 B**
SW-12 Dup (43008)	**Apr '08**	**0.003 U**	**0.002 U**	**0.4956**	**0.002 U**
SW-12	**Sep '08**	**0.003 U**	**0.0021 U**	**0.010 U**	**0.0015 U**

TABLE 14

RESULTS FOR INORGANICS DETECTED IN SURFACE WATER

Grenada Manufacturing Site
Grenada, Mississippi

Sample Location	Sample Date	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)
Mississippi and EPA Aquatic Life Criteria[a]					
Acute		0.34 (III)	--	0.016	0.03
Chronic		0.15 (III)	--	0.011	0.0018
Mississippi Surface Water Human Health Criteria[b]		0.024 (Total)	--	1.47	--
SW-19A	May '93	0.005 U	0.119	0.129	0.0033 X
SW-19B	May '93	0.005 U	0.126	0.115	0.005 X
SW-19C	May '93	0.005 U	0.13	0.116	0.003 X
SW-19	Nov '03	0.005 U	0.0064	0.025 U	0.005 U
SW-19	Feb '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-19	May '04	0.005 U	0.018	0.025 U	0.003 U
SW-19	Aug '04	0.005 U	0.019	0.025 U	0.003 U
SW-19 DUP	Aug '04	0.005 U	0.018	0.025 U	0.003 U
SW-19	Nov '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-19	Mar '05	0.005 U	0.005 U	0.025 U	0.003 U
SW-19	May '05	0.005 U	0.005 U	0.010 U	0.003 U
SW-19	Jan '06	0.005 U	0.005 U	0.010 U	0.003 U
DUP SW-23	Jan '06	0.005 U	0.005 U	0.010 U	0.003 U
SW-19	Mar '06	0.003 U	0.002 U	0.025 U	0.0015 U
SW-19	Jul '06	0.0031	0.002 U	0.025 U	0.0015 U
DUP SW-23	Jul '06	0.003 U	0.002 U	0.025 U	0.0015 U
SW-19	Oct '06	0.003 U	0.002 U	0.010 U	0.0015 U
SW-19	May '07	0.003 U	0.002 U	0.010 U	0.0015 U
SW-19	Jul '07	0.0033	0.002 U	0.025 UN	0.0015 U
SW-19 Dup (SW-BA)	Jul '07	0.003 U	0.002 U	0.025 UN	0.0015 U
SW-19	Oct '07	0.003 U	0.0032	0.045	0.0021
SW-19	**Apr '08**	**0.0032 B**	**0.002 B**	**0.4854**	**0.0024 B**
SW-19	**Sep '08**	**0.003 U**	**0.002 U**	**0.010 U**	**0.0015 U**
SW-9	Feb '93	0.005 U	0.169	0.032	0.0068
SW-9 DUP	Feb '93	0.005 U	0.175	0.025 U	0.0058
SW-9	Nov '03	0.005 U	0.0094	0.025 U	0.005 U
SW-9	Feb '04	0.005 U	0.0054	0.025 U	0.003 U
SW-9	May '04	0.005 U	0.0076	0.025 U	0.003 U
SW-9	Aug '04	0.005 U	0.0055	0.025 U	0.003 U
SW-9	Nov '04	0.005 U	0.0058	0.025 U	0.003 U
SW-9 DUP	Nov '04	0.005 U	0.005	0.025 U	0.003 U
SW-9	Mar '05	0.005 U	0.005 U	0.025 U	0.003 U
SW-9 DUP	Mar '05	0.005 U	0.005 U	0.025 U	0.003 U
SW-9	May '05	0.005 U	0.005 U	0.010 U	0.003 U
SW-9	Jan '06	0.005 U	0.005 U	0.010 U	0.003 U
SW-9	Mar '06	0.003 U	0.0021	0.025 U	0.0015 U
SW-9	Jul '06	0.0033	0.0020 U	0.025 U	0.0015 U
SW-9	Oct '06	0.0030 U	0.0020 U	0.010 U	0.0015 U
SW-9	May '07	0.0030 U	0.0020 U	0.010 U	0.0015 U
SW-9	Jul '07	0.0030 U	0.0020 U	0.025 UN	0.0015 U
SW-9	Oct '07	0.0033	0.0029	0.029	0.0015 U
SW-9	**Apr '08**	**0.003 U**	**0.002 U**	**0.4867**	**0.002 U**
SW-9	**Sep '08**	**0.003 U**	**0.002 U**	**0.010 U**	**0.0015 U**

TABLE 14

RESULTS FOR INORGANICS DETECTED IN SURFACE WATER

Grenada Manufacturing Site
Grenada, Mississippi

Sample Location	Sample Date	Arsenic (mg/L)	Chromium (total) (mg/L)	Hexavalent Chromium (mg/L)	Lead (mg/L)
Mississippi and EPA Aquatic Life Criteria[a]					
Acute		0.34 (III)	--	0.016	0.03
Chronic		0.15 (III)	--	0.011	0.0018
Mississippi Surface Water Human Health Criteria[b]		0.024 (Total)	--	1.47	--
SW-17A	May '93	0.005 U	0.084	0.035	0.004 X
SW-17B	May '93	0.005 U	0.083	0.026	0.0054 X
SW-17C	May '93	0.005 U	0.085	0.025 U	0.003 U
SW-17	Nov '03	0.005 U	0.0095	0.025 U	0.005 U
SW-17	Feb '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-17	May '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-17	Aug '04	0.005 U	0.0079	0.025 U	0.003 U
SW-17	Nov '04	0.005 U	0.005 U	0.025 U	0.003 U
SW-17	Mar '05	0.005 U	0.005 U	0.025 U	0.003 U
SW-17	May '05	0.005 U	0.005 U	0.010 U	0.003 U
SW-17 DUP	May '05	0.005 U	0.005 U	0.010 U	0.003 U
SW-17	Jan '06	0.005 U	0.005 U	0.010 U	0.003 U
SW-17	Mar '06	0.0032	0.0054	0.025 U	0.0015 U
SW-17	Jul '06	0.003 U	0.002 U	0.025 U	0.0015 U
SW-17	Oct '06	0.003 U	0.002 U	0.010 U	0.0018
SW-17	May '07	0.003 U	0.002 U	0.010 U	0.0015 U
SW-17	Jul '07	0.0032	0.002 U	0.010 UNK	0.0015 U
SW-17	Oct '07	0.0033	0.003	0.036	0.0017
SW-17	**Apr '08**	**0.003 U**	**0.0021 B**	**0.493**	**0.0026 B**
SW-17	**Sep '08**	**0.003 U**	**0.002 U**	**0.010 U**	**0.0015 U**

Notes:
U = Below Detection Limit
D = Resukt from sample dilution
J = Result was estimated
X = Result associated with a laboratory contaminant
N = Predigested spike recovery not within control limits
NA = Not Available or Not Analyzed
K = The sample was analyzed outside of the USEPA hold time
[a]Based on a hardness concentration of 50 mg/L as $CaCO_3$
[b]For human consumption of organisms only.
Values obtained from: *Mississippi Commission on Environmental Quality Regulation WPC-2: Water Quality Criteria for Intrastate, Interstate, and Coastal Waters*

TABLE 15
QC RESULTS SUMMARY
Grenada Manufacturing Site
Grenada, Mississippi

Field QC:	Sample Event	Medium	Sample ID	LAB ID	Frequency Required	Required Frequency Met?	Measurement Performance Criteria	Performance Criteria Met?
APRIL 2008 SAMPLING EVENT								
Field Blank	4/25/2008	Groundwater	FB-01	0804273-13	1 per medium per 20 field samples collected, or 1 per medium per event if fewr than 20 samples collected	yes	All compounds of interst < or = RL	yes
	4/30/2008	Groundwater	FB-03	0805002-08		yes		yes
	4/30/2008	Surface Water	FB-04	0805003-08		yes		yes
Field Duplicated	4/25/2008	Groundwater	DUPE-425 (MW-4)	0804273-11		yes	+/- 50% RPD with provisions for wider acceptance limits near the detection limits	no[2]
	4/30/2008	Groundwater	DUP-430 (MW-49)	0805002-06		yes		no[4]
	4/30/2008	Surface Water	DUP-43008 (SW-12)	0805003-06		yes		yes
MS/MSD	4/25/2008	Groundwater	MW-15 (MS/MSD)	0804273-09		yes		no[1]
	4/30/2008	Groundwater	MW-50 (MS/MSD)	0805002-04		yes		no[2]
	4/30/2008	Surface Water	SW-22 (MS/MSD)	0805003-05		yes		no[2]
SEPTEMEBER 2008 SAMPLING EVENT								
Field Blank	9/26/2008	Groundwater	FB-01	0809269-03	1 per medium per 20 field samples collected, or 1 per medium per event if fewr than 20 samples collected	yes	All compounds of interst < or = RL	no[3]
	9/28/2008	Groundwater	FB-02	0810036-01		yes		no[3]
Field Duplicated	9/24/2008	Groundwater	DUP-923 (MW-46)	0809235-09		yes	+/- 50% RPD with provisions for wider acceptance limits near the detection limits	yes
	9/26/2008	Groundwater	DUP-926 (MW-49)	0810039-01		yes		yes
	9/27/2008	Groundwater	DUP-926 (MW-23)	0810039-07		yes		no[2]
	9/28/2008	Surface Water	DUP-92908 (SW-22)	0809287-06		yes		no[5]
MS/MSD	9/24/2008	Groundwater	MW-48 (MS/MSD)	0809235-04		yes		yes
	9/26/2008	Groundwater	RT-1 (MS/MSD)	0809269-05		yes		no[4]
	9/28/2008	Surface Water	SW-22 (MS/MSD)	0809287-05		yes		yes

1 - cis-1,2-Dihloroethene value outside of QC limits
2 - Vinyl Chloride value outside of QC limits
3 - Toluene concentration greater than RL
4 - Trichloroethene value outside of QC limits
5 - Trichloroethene, cis-1,2-dichlorethene, vinyl chloride, toluene values outside of QC limits

APPENDIX A

Field Sample Data Forms

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-1

PROJECT: GRENADA Mon.

PERSONNEL: E. McREEK + M. WATKINS

JOB NUMBER: 135375

TASK: 001 SPRING GWM

Weather Conditions: ☑ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 68° °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 11.76 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☑ Yes ☐ No

Is well visible? ☑ Yes ☐ No

Is well accessible? ☑ Yes ☐ No

Is drainage acceptable? ☑ Yes ☐ No

Is well labeled? ☑ Yes ☐ No

Is well locked? ☑ Yes ☐ No

Lock Type

Key Number

Measurement Datum: ☑ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good to OK

PURGING DATA

Number of Well Volumes Purged 3

Date: 4-25-08 Time: 1147

Purge Method: ☑ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☑ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 1147

Purge End Time 1157

Volume Purged 2.37 gal.

Well Evacuated? ☐ Yes ☑ No

Field Bioparameters (mg/L):

H_2S 0.4

Mn^{2+} 0

Fe^{2+} 7.4

CO_2^- 125

Time Series Data

Instruments: Horiba

Calibrated: Date 4-25-08

Time	1147	1150	1153	1157		
Well Volumes	0	0.78	1.56	2.37		
Temp	18.63	18.43	18.53	18.75		
pH	6.77	6.72	6.43	6.38		
COND	0.541	0.551	0.556	0.557		
DO	1.01	0.50	0.64	1.0		
ORP	25	-41	-68	-72		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☑ Peristaltic ☑ Bailer ☐ Sub Pump

Other:

Date: 4-25-08 Time: 1600

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☑ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☑ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☑ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☑ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4-25-08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-4

PROJECT: Grenada GWM PERSONNEL: E. McPerze M. Watkins

JOB NUMBER: 135375 TASK: 001 - SPRING GWM

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 68 °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 13.61 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4-25-08 Time: 0943

Purge Method: ☐ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0943

Purge End Time 1010

Volume Purged 5 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0.3

Mn^{2+} 0

Fe^{2+} 10

CO_2^- 115

Time Series Data

Instruments: Horriba

Calibrated: Date 4-25-08

Time	0943	0955	1000	1004	1010
Well Volumes	0	1.2	2	4	5
Temp	19.75	18.6	18.5	18.6	18.3
pH	5.8	6.46	6.37	6.30	6.05
COND	0.836	0.733	0.722	0.724	0.767
DO	7.98	8.24	8.77	8.13	8.35
ORP	166	65	57	17	56
Color	Clr	Clr	Clr	Clr	Clr

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: Time: 1445

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☒ Yes ☐ No

Number of Bottles Filled: 24

Comments DUPE425

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE DATE 4-25-08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-5

PROJECT: Grenada GWM

PERSONNEL: ERIK McPEEK + MIKE WATKINS

JOB NUMBER: 135375

TASK: SPRING GW Sampling

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 65° °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4/22/08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 13.38 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4/23/08 Time: 0852

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0852

Purge End Time 0928

Volume Purged 4.5 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 0

CO_2^- 65

Time Series Data

Instruments:	Horriba					
Calibrated: Date	4/23/08					
Time	0852	0900	0910	0920		
Well Volumes	0	1.5	3.0	4.5		
Temp	17.4	17.5	17.6	17.7		
pH	5.35	5.56	5.53	5.52		
COND	0.261	0.232	0.233	0.231		
DO	0.34	0.27	0.60	0.58		
ORP	195	240	251	255		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Date: 4/23/08 Time: 1430

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4/23/08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-6

PROJECT: Grenada GWM

PERSONNEL: E. McPeek & M. Watkins

JOB NUMBER: 135375

TASK: 001 Grenada GWM

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 68 °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 9.55 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4-25-08 Time: 11:05

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 1105

Purge End Time 1121

Volume Purged 4.41 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0.1

Mn^{2+} 0

Fe^{2+} >10.0

CO_2^- 110

Time Series Data

Instruments:	Horiba					
Calibrated: Date	4-25-08					
Time	11:05	11:09	11:15	11:21		
Well Volumes	0	1.47	2.94	4.41		
Temp	17.4	17.2	17.3	17.3		
pH	5.99	5.85	5.73	5.64		
COND	0.96	0.709	0.614	0.619		
DO	19.99	18.70	14.53	12.71		
ORP	-83	-70	-59	-51		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 4-25-08 Time: 1500

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4-25-08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-7

PROJECT: Granada GWM

PERSONNEL: E. McPeek M. Watkins

JOB NUMBER: 135375

TASK: GOP - Spring Sampling

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 65 °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 11.35 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☑ Yes ☐ No

Is well visible? ☑ Yes ☐ No

Is well accessible? ☑ Yes ☐ No

Is drainage acceptable? ☑ Yes ☐ No

Is well labeled? ☑ Yes ☐ No

Is well locked? ☑ Yes ☐ No

Measurement Datum: ☑ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4-28-08 Time: 720

Purge Method: ☐ Peristaltic ☒ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0720

Purge End Time 0730

Volume Purged 2.4 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 0.5

CO_2^- 80

Time Series Data

Instruments:	Horiba					
Calibrated: Date	4/28/08					
Time	0720	0724	0727	0730		
Well Volumes	0	0.8	1.6	2.4		
Temp	14.7	15.0	15.6	15.6		
pH	5.34	5.66	5.67	5.72		
COND	0.117	0.112	0.123	0.130		
DO	6.96	7.8	4.9	4.53		
ORP	326	401	413	393		
Color	Cld.	Cld.	Cld.	Cld.		

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump Other:

Date: 4-28-08 Time: 1415

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☑ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☐ Clear ☒ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☑ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4-28-08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-8

PROJECT: Grenada GWM

PERSONNEL: E. McPeek M. Mathews

JOB NUMBER: 135375

TASK: 001-SPRING GWS

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 68 °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Date: 4-22-08

Time:

Depth to Static Water Level 9.71 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4-28-08 Time: 0715

Purge Method: ☒ Peristaltic ☐ Bailer ☒ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0715

Purge End Time 0741

Volume Purged 19.8 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 4.3

CO_2^- 65

Time Series Data

Instruments: Horiba

Calibrated: Date 4-22-08

Time	0715	0723	0734	0741		
Well Volumes	0	6.6	13.2	19.8		
Temp	16.2	16.3	16.5	16.8		
pH	5.17	5.22	5.50	5.58		
COND	0.308	0.238	0.245	0.239		
DO	11.73	8.38	4.50	5.87		
ORP	46	47	-15	-13		
Color	Brown	H. Brown	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☒ Sub Pump

Other:

Date: 4/23/08 Time: 1200

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4-28-08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: GRENADA GWM
WELL NUMBER: MW-9
PERSONNEL: E. McPeek M. Watkins
JOB NUMBER: 135375
TASK: 001 - SPRING GWM
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 68+ °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Date: 4-22-08
Type: ☐ Stainless Steel ☐ PVC ☐ Other
Time:
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 0.50 ft.
Depth to Well Bottom ft.
Feet of Water in Well ft.
Calculated Volume of Water in Well gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☑ Yes ☐ No
Is well visible? ☑ Yes ☐ No
Is well accessible? ☑ Yes ☐ No
Is drainage acceptable? ☑ Yes ☐ No
Is well labeled? ☑ Yes ☐ No
Is well locked? ☑ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition: Good
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 4-28-08 Time: 0857

Purge Method: ☐ Peristaltic ☐ Bailer ☒ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0857
Purge End Time 0928
Volume Purged 36.7 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0
Mn^{2+}	0
Fe^{2+}	2.2
CO_2^-	40

Time Series Data

Instruments: Horiba
Calibrated: Date 4-28-08

Time	0857	0904	0915	0928		
Well Volumes	0	12.2	24.4	36.7		
Temp	18.9	18.4	18.8	19.0		
pH	6.22	6.16	5.92	5.84		
COND	0.207	0.194	0.180	0.167		
DO	19.41	16.26	9.15	10.28		
ORP	-31	-17	-25	5		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump
Other:
Date: 4-28-08 Time: 1330
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☑ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☑ No
Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE
4-28-08
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-10

PROJECT: Grenada GWM (Spring) PERSONNEL: Erik McPeek + Mike Watkins

JOB NUMBER: 135375.001 TASK: Sampling

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 65° °F

Other:

WELL DATA

Casing: Diameter (inches) 2" Date: 4/22/08

Type: ☐ Stainless Steel ☐ PVC ☐ Other _____ Time: _____

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other _____

Depth to Static Water Level 14.52 ft.

Depth to Well Bottom _____ ft.

Feet of Water in Well _____ ft.

Calculated Volume of Water in Well _____ gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing Other _____

Concrete Pad/ Condition: _____ Lock Type _____ Key Number _____

PURGING DATA

Number of Well Volumes Purged 3 Date: 4/23/08 Time: 0845

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other: _____

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 0855

Purge End Time 1013

Volume Purged 17.48 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0.0

Mn^{2+} 0

Fe^{2+} 0.7

CO_2^- 60

Time Series Data

Instruments:	Horriba					
Calibrated: Date	4/23/08					
Time	0855	0921	0946	1013		
Well Volumes	0	5.83	11.66	17.48		
Temp	17°C	17.9	18.0	18.1		
pH	5.56	5.49	5.56	5.96		
COND	0.231	0.221	0.215	0.212		
DO	10.33	~~10.33~~ 3.10	~~3.10~~ 1.46	~~1.46~~ 1.63		
ORP	108	43	-22	-41		
Color	Clear	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 4/23/08 Time: 0945

Other: _____ (Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other: _____

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method: _____

Filter Size: _____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color : _____

Immiscible Liquid: _____

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments _____

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE _____ DATE 4/23/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-11

PROJECT: Grenada GWS

PERSONNEL: E. McPeek M Watkins

JOB NUMBER: 135375

TASK: 001 - SPRING GWS

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 68+ °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other _____ Time: _____

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other _____

Depth to Static Water Level 9.42 ft.

Depth to Well Bottom _____ ft.

Feet of Water in Well _____ ft.

Calculated Volume of Water in Well _____ gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other _____

Concrete Pad/ Condition: Good

Lock Type _____ Key Number _____

PURGING DATA

Number of Well Volumes Purged 3

Date: 4/28/08 Time: 0736

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other: _____

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0736

Purge End Time ~~0744~~ 0758

Volume Purged 5.62 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 5

CO_2^- 15

Time Series Data

Instruments: Horriba

Calibrated: Date 4/28/08

Time	0736	0742	0750	0758		
Well Volumes	0	1.87	3.54	5.62		
Temp	15.8	16.0	15.8	15.5		
pH	5.65	5.75	5.65	5.86		
COND	0.679	0.559	0.470	0.463		
DO	6.07	6.30	9.20	11.04		
ORP	4	-4	22	13		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 4/28/08 Time: 1230

Other: _____

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method: _____

Filter Size: _____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color : _____

Immiscible Liquid: _____

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments _____

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE _____ DATE 4-22-08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-12

PROJECT: ~~135375~~ Greenville GW

PERSONNEL: E. McPeek M. Watkins

JOB NUMBER: 135375

TASK: 001 - SPRING GWM

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 68+ °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 8.53 ft.

Depth to Well Bottom ____ ft.

Feet of Water in Well ____ ft.

Calculated Volume of Water in Well ____ gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type ____ Key Number ____

PURGING DATA

Number of Well Volumes Purged 3

Date: 4-28-08 Time: 09:00

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0905

Purge End Time 0925

Volume Purged 6.85 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 3.0

CO_2^- 60

Time Series Data

Instruments: Horriba

Calibrated: Date 4-28-08

Time	0905	0911	0918	0925		
Well Volumes	0	2.28	4.56	6.85		
Temp	18.0	18.4	18.4	18.4		
pH	5.97	5.80	5.79	5.58		
COND	0.775	0.18	0.165	0.169		
DO	11.38	11.91	11.75	14.20		
ORP	9	21	31	35		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump

Other:

Date: 4/28/08 Time: 1350

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: ____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4-28-08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-13

PROJECT: Grenada GWM

PERSONNEL: Erik McPeek + Mike Watkins

JOB NUMBER: 135375

TASK: 001. SPRING GWM

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 65 °F

Other:

WELL DATA

Casing: Diameter (inches) 2"

Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 11.53 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4-23-08 Time: 1345

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 1259

Purge End Time 1330

Volume Purged 6.6 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 0

CO_2^- 50

Time Series Data

Instruments: Horriba

Calibrated: Date 4-23-08

Time	1259	1312	1320	1330		
Well Volumes	0	2.2	4.4	6.6		
Temp	17.4	17.3	17.4	17.3		
pH	1.52	0.34	0.02	NA		
COND	0.186	0.183	0.185	0.184		
DO	6.06	3.04	2.81	2.76		
ORP	140	65	65	66		
Color	clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump

Date: 4/23/08 Time: 1345

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

[signature] 4/23/08

SIGNATURE DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-14

PROJECT: Granada GWM

PERSONNEL: Eric McPeek + Mike Watkins

JOB NUMBER: 135375

TASK: 00c Spring GW Sampling

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 65° °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4/22/08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 16.98 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Lock Type

Key Number

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

PURGING DATA

Number of Well Volumes Purged 3

Date: 4/23/08 Time: 0927

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 0927

Purge End Time 1000

Volume Purged 5.3 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0.2

Fe^{2+} 2.1

CO_2^- 40

Time Series Data

Instruments:	Horiba					
Calibrated: Date	4/23/08					
Time	0927	0937	0950	1000		
Well Volumes	0	1.7	3.5	5.3		
Temp	17.8	17.8	17.8	17.9		
pH	6.45	6.50	6.5	6.5		
COND	0.324	0.315	0.309	0.307		
DO	3.89	0.6	0.0	0.0		
ORP	206	134	17	-26		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump

Other:

Date: 4/23/08 Time: 1503

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4/23/08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-15

PROJECT: Grenada GWM

PERSONNEL: E. McPeek M. Watkins

JOB NUMBER: 135375

TASK: 001 SPRING GWM

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 68 °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other _____ Time: _____

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other _____

Depth to Static Water Level 13.98 ft.

Depth to Well Bottom _____ ft.

Feet of Water in Well _____ ft.

Calculated Volume of Water in Well _____ gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing Other _____

Concrete Pad/ Condition: _____ Lock Type _____ Key Number _____

PURGING DATA

Number of Well Volumes Purged 3 Date: 4-25-08 Time: 0951

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other: _____

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0951

Purge End Time 1025

Volume Purged 5.0 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} >10.0

CO_2^- 75

Time Series Data

Instruments:	Horriba					
Calibrated: Date	4-25-08					
Time	0951	1001	1015	1025		
Well Volumes	0	1.5	3.2	5.0		
Temp	18.75	18.1	18.8	18.3		
pH	6.01	6.34	6.01	6.19		
COND	0.263	0.290	0.279	2.62		
DO	8.15	8.29	8.06	8.12		
ORP	28	-34	17	61		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 4-25-08 Time: 1530

Other: _____ (Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method: _____

Filter Size: _____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color : _____

Immiscible Liquid: _____

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments MS/MSD collected

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE _____ DATE 4-25-08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-16

PROJECT: Grenada GWM

PERSONNEL: E. McPeek M. Watkins

JOB NUMBER: 135375

TASK: 001 - SPRING GWM

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 68 °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 9.46 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4-25-08 Time: 1050

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 1050

Purge End Time 1120

Volume Purged 5.0 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 5

CO_2^- 110

Time Series Data

Instruments:	Horriba					
Calibrated:	Date 4-25-08					
Time	1050	1059	1110	1120		
Well Volumes	0	1.3	3.0	5.0		
Temp	17.9	16.1	16.2	16.2		
pH	4.85	4.54	4.59	4.32		
COND	5.10	4.98	4.31	4.01		
DO	3.30	1.02	0.45	0.40		
ORP	39	193	222	223		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump

Date: 4-25-08 Time: 1130

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments [signature]

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

[signature] 4-25-08

SIGNATURE DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-17

PROJECT: Grenada GWM

PERSONNEL: E. McGee & M. Watkins

JOB NUMBER: 135375

TASK: OU1 Grenada GWM

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 68° °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 10.37 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition: Good

Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4-25-08 Time: 0950

Purge Method: ☒ Peristaltic ☐ Bailer ☒ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0950

Purge End Time 1015

Volume Purged 18.73 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 3.8

CO_2 55

Time Series Data

Instruments:	Horriba					
Calibrated: Date	4-25-08					
Time	0950	1000	1010	1015		
Well Volumes	0	6.24	12.48	18.73		
Temp	19.0	18.4	18.6	18.6		
pH	5.71	5.61	5.69	5.65		
COND	0.341	0.341	0.338	0.335		
DO	5.47	2.89	1.77	1.34		
ORP	34	-6	-43	-60		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☒ Sub Pump Date: 4-25-08 Time: 1415

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☒ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4-25-08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Gwm
WELL NUMBER: MW-20
JOB NUMBER: 135375
PERSONNEL: E. McPeek M. Watkins
TASK: 001 - SPRING GWS
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 68+ °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Date: 4-22-08
Type: ☐ Stainless Steel. ☐ PVC ☐ Other
Time:
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 10.07 ft.
Depth to Well Bottom ft.
Feet of Water in Well ft.
Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 4-28-08 Time: 1126

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 1126
Purge End Time 1151
Volume Purged 6.09 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0
Mn^{2+}	0
Fe^{2+}	1.2
CO_2^-	65

Time Series Data

Instruments: Horriba
Calibrated: Date 4/28/08

Time	1126	1133	1140	1151		
Well Volumes	0	2.03	4.06	6.09		
Temp	18.3	18.2	18.2	18.2		
pH	6.02	6.06	6.03	5.95		
COND	0.38	0.364	0.350	0.342		
DO	19.89	15.28	12.95	12.22		
ORP	63	48	47	47		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump
Other:
Date: 4-28-08 Time: 1445
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned
Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:
Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

[signature] 4-28-08
SIGNATURE DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Mon
JOB NUMBER: 135375
PERSONNEL: E. McDeek + M. Watkins
TASK: 001 SPRING GWM
WELL NUMBER: MW-25

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☐ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other
Date:
Time:

Depth to Static Water Level 8.22 ft.
Depth to Well Bottom 22.5 ft.
Feet of Water in Well 14.28 ft.
Calculated Volume of Water in Well 2.3 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No
Is well visible? ☐ Yes ☐ No
Is well accessible? ☐ Yes ☐ No
Is drainage acceptable? ☐ Yes ☐ No
Is well labeled? ☐ Yes ☐ No
Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged
Date: 4/30/08 Time: 14:30

Purge Method: ☐ Peristaltic ☒ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☒ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1430
Purge End Time 1450
Volume Purged 6.9 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.0
Mn^{2+} —
Fe^{2+} 1.0
CO_2 13.5

Time Series Data

Instruments: Horiba U-22
Calibrated: Date

Time	1430	1436	1445	1450		
Well Volumes	0	1	2	3		
Temp	20.51	20.37	20.08	19.76		
pH	5.79	6.19	6.04	5.87		
COND	1.14	0.810	0.703	0.666		
DO	5.98	5.15	5.08	4.54		
ORP	187	127	126	110		
Color	Clr	sl.cldy →				

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump
Other:
Date: 4/30/08 Time: 15:00
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☒ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☐ Clear ☒ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled:

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: [signature]
DATE: 4/30/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada GWM
WELL NUMBER: MW-41
JOB NUMBER: 135375.001
PERSONNEL: Eric McPeek + Mike Watkins
TASK: Sampling (spring)
Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 65° °F
Other:

WELL DATA

Casing: Diameter (inches) 2"
Type: ☐ Stainless Steel ☐ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other
Date: 4/22/08
Time:

Depth to Static Water Level 14.52 ft.
Depth to Well Bottom ft.
Feet of Water in Well ft.
Calculated Volume of Water in Well gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No
Is well visible? ☐ Yes ☐ No
Is well accessible? ☐ Yes ☐ No
Is drainage acceptable? ☐ Yes ☐ No
Is well labeled? ☐ Yes ☐ No
Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 4/23/08 Time: 10:41

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1044
Purge End Time 1113
Volume Purged 6 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0
Mn^{2+}	0
Fe^{2+}	0.4
CO_2^-	0

Time Series Data

Instruments: Horriba
Calibrated: Date 4/23/08

Time	1044	1051	1102	1113		
Well Volumes	0	2	4	6		
Temp	18.3	18.0	18.1	18.2		
pH	6.68	8.12	9.28	9.48		
COND	0.528	0.405	0.324	0.322		
DO	15.25	6.89	5.54	5.59		
ORP	-92	-364	-357	-339		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump
Other:
Date: 4/23/08 Time: 1600
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☐ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4/23/08
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-42

PROJECT: Grenada GWM

PERSONNEL: Erik McPeek + Mike Watkins

JOB NUMBER: 135375

TASK: 001 SPRING SAMPLING

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 65° °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4/22/08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 15.38 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4/23/08 Time: 11:18

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 11:24

Purge End Time 12:35

Volume Purged 17.25 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 1.8

CO_2 65

Time Series Data

Instruments: Horiba

Calibrated: Date 4/23/08

Time	11:24	11:38	12:04	12:35		
Well Volumes	0	5.75	11.5	17.25		
Temp	18.6	18.5	18.6	18.6		
pH	7.96	6.74	6.61	6.67		
COND	0.364	0.399	0.397	0.404		
DO	19.99	12.61	5.21	4.29		
ORP	0.39	-4	-44	-84		
Color	Clear	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 4/23/08 Time: 1615

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☐ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4/23/08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-44

PROJECT: Grenada Mon
PERSONNEL: E. McPeek + M. Watkins
JOB NUMBER: 135375
TASK: 001 SPRING GWM
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 63 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☐ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other
Date: 4-22-08
Time:

Depth to Static Water Level 13.98 ft.
Depth to Well Bottom 46.85 ft.
Feet of Water in Well ~~98.75~~ ft. 32.87
Calculated Volume of Water in Well 5.26 gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No
Is well visible? ☐ Yes ☐ No
Is well accessible? ☐ Yes ☐ No
Is drainage acceptable? ☐ Yes ☐ No
Is well labeled? ☐ Yes ☐ No
Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 4.30.08 Time: 7:50

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 7:55
Purge End Time 8:33
Volume Purged 15.8 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.0
Mn^{2+} 0.0
Fe^{2+} 0.0
CO_2^- ND

Time Series Data

Instruments: Horiba U-22
Calibrated: Date 4.30.08

Time	7:55	8:07	8:18	8:33		
Well Volumes	0	1	2	3		
Temp	16.69	17.65	17.31	17.57		
pH	9.48	10.86	10.77	10.99		
COND	0.373	0.336	0.341	0.353		
DO	3.28	1.83	3.01	1.41		
ORP	78	-197	-150	-300		
Color	BLACK	CLEAR	CLEAR	CLEAR		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 4.30.08 Time: 11:15
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled:

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

E. McPeek
SIGNATURE

4/30/08
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-45

PROJECT: Grenada GWM

PERSONNEL: Erik McKeel + Mike Watkins

JOB NUMBER: 135375

TASK: 001 SPRING GW Sampling

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 65 °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Date: 4/22/08

Time:

Depth to Static Water Level 10.71 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good.

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4/23/08 Time: 1156

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1156

Purge End Time 1240

Volume Purged 8.1 gal.

Well Evacuated? ☐ Yes ☐ No

Time Series Data

Instruments: Horriba

Calibrated: Date 4/23/08

Time	1156	1210	1225	1240		
Well Volumes	0	2.7	5.4	8.1		
Temp	17.8	17.6	17.7	17.8		
pH	5.40	5.08	1.35	1.28		
COND	0.653	0.512	0.484	0.483		
DO	1.52	0.6	0.0	0.0		
ORP	7	160	67	21		
Color	Clr	Clr	Clr	Clr		

Field Bioparameters (mg/L):

H_2S	0
Mn^{2+}	0
Fe^{2+}	0
CO_2^-	90

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump

Other:

Date: 4/23/08 Time: 1715

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4/23/08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-46

PROJECT: Grenada GWM

PERSONNEL: Erik Mafek & Mike Watkins

JOB NUMBER: 135375

TASK: 001 Spring GWS

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 70 °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 10.56 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4-23-08 Time: 10:25

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 10:25

Purge End Time 11:49

Volume Purged 18.6 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 0.8

CO_2^- 80

Time Series Data

Instruments:	Horiba					
Calibrated: Date	4-23-08					
Time	1025	1050	1120	1149		
Well Volumes	0	6.2	12.4	18.6		
Temp	16.6	17.7	18.1	18.1		
pH	5.81	5.65	5.60	5.48		
COND	0.433	0.433	0.432	0.430		
DO	2.92	0.14	0	0		
ORP	53	79	59	43		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump

Other:

Date: 4-23-08 Time: 17:30

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4/23/08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-47

PROJECT: Grenada GWM

PERSONNEL: Emfeer & M. Watkins

JOB NUMBER: 135375

TASK: OCC - SPRING GWM

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 68 °F

Other:

WELL DATA

Casing: Diameter (inches) 2"

Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 14.05 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☑ Yes ☐ No

Is well visible? ☑ Yes ☐ No

Is well accessible? ☑ Yes ☐ No

Is drainage acceptable? ☑ Yes ☐ No

Is well labeled? ☑ Yes ☐ No

Is well locked? ☑ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good.

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4-25-08 Time: 08:35

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 08:35

Purge End Time 0907

Volume Purged 6.72 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 3.8

CO_2 35

Time Series Data

Instruments:	Horiba					
Calibrated: Date	4-25-08					
Time	0835	0845	0854	0907		
Well Volumes	0	2.24	4.48	6.72		
Temp	12.52	12.65	12.68	12.72		
pH	6.18	6.43	6.54	6.59		
COND	0.111	0.099	0.96	0.95		
DO	1.45	0.33	0.02	0.00		
ORP	-64	-51	-73	-78		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 4-25-08 Time: 1245

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4/23/08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada GWM
WELL NUMBER: MW-48
JOB NUMBER: 135375
PERSONNEL: E. McPeak & M. Watkins
TASK: 001 SPRING GWM
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 68 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☐ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other
Date: 4-22-08
Time:

Depth to Static Water Level 13.42 ft.
Depth to Well Bottom ____ ft.
Feet of Water in Well ____ ft.
Calculated Volume of Water in Well ____ gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition: Good
Lock Type ____ Key Number ____

PURGING DATA

Number of Well Volumes Purged 3
Date: 4-25-08 Time: 0710

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0710
Purge End Time 0832
Volume Purged 19.26 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):
H_2S 0
Mn^{2+} 0
Fe^{2+} 1.0
CO_2^- 20

Time Series Data

Instruments: Horriba
Calibrated: Date 4-25-08

Time	0710	0741	0805	0832		
Well Volumes	0	6.42	12.84	19.26		
Temp	17.85	17.99	18.04	18.19		
pH	6.26	6.73	6.74	6.80		
COND	0.240	0.251	0.247	0.242		
DO	2.07	0.49	0.45	0.46		
ORP	176	-50	-71	-96		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump
Other:
Date: 4-25-08 Time: 1300
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: ____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: [signature] DATE: 4-25-08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-49

PROJECT: Grenada Min

PERSONNEL: E. McPeek + M. Watkins

JOB NUMBER: 135575

TASK: 001 Spring GWM

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: _____ °F

Other: _____

WELL DATA

Casing: Diameter (inches) 2 Date: 4.22.08

Type: ☐ Stainless Steel ☐ PVC ☐ Other _____ Time: _____

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other _____

Depth to Static Water Level 12.62 ft.

Depth to Well Bottom 48.87 ft.

Feet of Water in Well 36.25 ft.

Calculated Volume of Water in Well 5.8 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing Other _____

Concrete Pad/ Condition: _____ Lock Type _____ Key Number _____

PURGING DATA

Number of Well Volumes Purged 3 Date: 4/30/08 Time: 0838

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other: _____

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Purging Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0838

Purge End Time 1008

Volume Purged 17.4 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0.0

Mn^{2+} –

Fe^{2+} 1.8

CO_2^- <10

Time Series Data

Instruments: Horiba U-22

Calibrated: Date _____

Time	0838	0908	0938	1008		
Well Volumes	0	1	2	3		
Temp	17.4	17.7	17.9	18.1		
pH	8.05	8.79	8.85	8.90		
COND	0.191	0.176	0.185	0.183		
DO	18.92	4.67	4.30	4.88		
ORP	-210	-243	-312	-360		
Color	clr	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Date: 4/30/08 Time: 11:30

Other: _____ (Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Sampling Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method: _____

Filter Size: _____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color: _____

Immiscible Liquid: _____

Duplicate Collected? ☒ Yes ☐ No

Number of Bottles Filled: _____

Comments _____

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: [signature] DATE: 4/30/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada mon
WELL NUMBER: MW-50
JOB NUMBER: 135375
PERSONNEL: E. McPeek M. Watkins
TASK: 001 Spring GWM
Weather Conditions: ☐ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: _____ °F
Other: _____

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☐ PVC ☐ Other _____
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other _____
Date: 4.22.08
Time: _____

Depth to Static Water Level 12.79 ft.
Depth to Well Bottom 24.04 ft.
Feet of Water in Well 11.25 ft.
Calculated Volume of Water in Well ~~5.4~~ 1.8 gal.
0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No
Is well visible? ☐ Yes ☐ No
Is well accessible? ☐ Yes ☐ No
Is drainage acceptable? ☐ Yes ☐ No
Is well labeled? ☐ Yes ☐ No
Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing
Other _____
Concrete Pad/ Condition: _____

Lock Type _____ Key Number _____

PURGING DATA

Number of Well Volumes Purged 3
Date: 4/30/08 Time: 0807

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other: _____

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: _____
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Purging Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0807
Purge End Time 0834
Volume Purged 5.4 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0.0
Mn^{2+}	—
Fe^{2+}	1.8
CO_2^-	30

Time Series Data

Instruments: Horiba U-22
Calibrated: Date _____

Time	0807	0816	0826	0834		
Well Volumes	0	1	2	3		
Temp	16.3	16.4	16.5	16.5		
pH	5.74	8.24	8.51	8.48		
COND	0.376	0.308	0.307	0.297		
DO	7.20^A	8.23^A	5.59^A	4.99^A		
ORP	-176	-425	-408	-402		
Color	clr	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other: _____
Date: 4/30/08 Time: 12:00
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: _____
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Sampling Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method: _____
Filter Size: _____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color: _____
Immiscible Liquid: _____

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: _____

Comments ^A DO readings questionable due to problems with sensor.
MS/MSD Collected

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: E. McPeek
DATE: 4/30/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-51

PROJECT: Grenada GWM

PERSONNEL: Eric McFeek + MW

JOB NUMBER: 135375

TASK: 001 Spring Sampling

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy

Temperature: 65° °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4/22/08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 11.09 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

Lock Type

Key Number

PURGING DATA

Number of Well Volumes Purged 3

Date: 4/23/08 Time: 1409

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1413

Purge End Time 1445

Volume Purged 8.1 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0
Mn^{2+}	0
Fe^{2+}	0
CO_2^-	65

Time Series Data

Instruments:	Horriba					
Calibrated:	Date 4/23/08					
Time	1413	1422	1434	1445		
Well Volumes	0	2.7	5.4	8.1		
Temp	16.6	16.6	16.6	16.6		
pH	6.38	6.54	6.44	6.48		
COND	0.141	0.139	0.139	0.137		
DO	19.99	15.28	17.50	18.62		
ORP	54	25	16	12		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump

Date: 4/23/08 Time: 1645

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☐ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

[signature] 4/23/08

SIGNATURE DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-52

PROJECT: Granada GWM

PERSONNEL: ERIK MCPEEK + MIKE WATKINS

JOB NUMBER: 135375

TASK: OSC Bank GW Sampling

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 65° °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4/22/08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 10.86 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4/23/08 Time: 12:41

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1245

Purge End Time 1408

Volume Purged 17.4 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} 0

Fe^{2+} 0.3

CO_2^- 60

Time Series Data

Instruments:	Horriba					
Calibrated: Date	4/23/08					
Time	1245	1313	1340	1408		
Well Volumes	0	5.8	11.6	17.4		
Temp	17.4	17.2	17.2	17.3		
pH	6.63	6.14	6.12	6.10		
COND	0.126	0.146	0.149	0.151		
DO	19.99	6.43	5.51	6.68		
ORP	87	8	-9	-19		
Color	Cr	Cr	Cr	Cr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 4/23/08 Time: 1700

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☐ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE 4/23/08 DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-53

PROJECT: Granada Gwm

PERSONNEL: E McPeek + M Watkins

JOB NUMBER: 135375

TASK: 001 Spring Gwm

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 68° °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 9.2 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: Good

Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4/25/08 Time: 0710

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0710

Purge End Time 0745

Volume Purged 3 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0.0

Mn^{2+} 0

Fe^{2+} 0

CO_2 65

Time Series Data

Instruments:	Horriba					
Calibrated: Date	4/25/08					
Time	0710	0725	0735	0745		
Well Volumes	0	1	2	3		
Temp	16.1	15.6	15.7	15.7		
pH	5.21	5.19	5.2	5.18		
COND	0.186	0.142	0.141	0.139		
DO	14.01	2.49	2.22	2.13		
ORP	213	94	83	46		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 4/25/08 Time: 1330

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

E. McPeek 4-25-08

SIGNATURE DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-54

PROJECT: Grenada Gwm

PERSONNEL: E. McPeek M. Watkins

JOB NUMBER: 135375

TASK: 001 SPRING GWM

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 68°F °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 10.09 ft.

Depth to Well Bottom ft.

Feet of Water in Well ft.

Calculated Volume of Water in Well gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☑ Yes ☐ No

Is well visible? ☑ Yes ☐ No

Is well accessible? ☑ Yes ☐ No

Is drainage acceptable? ☑ Yes ☐ No

Is well labeled? ☑ Yes ☐ No

Is well locked? ☑ Yes ☐ No

Measurement Datum: ☑ Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition: GOOD

Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4-25-08 Time: 0750

Purge Method: ☑ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0750

Purge End Time 0850

Volume Purged 3 gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S 0.16

Mn^{2+} 0

Fe^{2+} 0

CO_2^- 70

Time Series Data

Instruments: Horriba

Calibrated: Date 4-25-08

Time	0750	0811	0830	0850		
Well Volumes	0	1	2	3		
Temp	16.3	16.7	16.7	16.8		
pH	5.17	4.99	5.02	5.04		
COND	0.134	0.132	0.132	0.131		
DO	8.43	1.84	1.40	1.28		
ORP	165	31	31	31		
Color	Cl	Cl	Cl	Cl		

SAMPLE DATA

Sampling Method:: ☑ Peristaltic ☑ Bailer ☐ Sub Pump Date: 4-25-08 Time: 1400

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☑ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☑ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☑ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☑ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☑ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4-25-08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: RT-1

PROJECT: GRENADA MON. PERSONNEL: E. McPEEK + M. WATKINS

JOB NUMBER: 135375 TASK: 001 SPRING GWM

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 60 °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4-22-08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 12.69 ft.

Depth to Well Bottom 22.69 ft.

Feet of Water in Well 10 ft.

Calculated Volume of Water in Well 1.6 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition: Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4-29-08 Time: 7:55

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0800

Purge End Time 0830

Volume Purged 4.8 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0.0

Mn^{2+} 0.0

Fe^{2+} 0.0

CO_2^- 80

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date						
Time	0800	0810	0820	0830		
Well Volumes	0	1	2	3		
Temp	17.0	17.9	17.9	17.9		
pH	5.95	5.58	5.58	5.63		
COND	0.537	0.448	0.444	0.445		
DO	3.16	0.21	0.20	0.19		
ORP	240	271	274	275		
Color	clr	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Date: 4/29/08 Time: 13:45

Other: (Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled:

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE DATE 4/29/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: RT-2

PROJECT: Grenada Mon

PERSONNEL: E. McPeek + M. Watkins

JOB NUMBER: 135375

TASK: 001 SPRING GWM

Weather Conditions: ☐ Sun ☑ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 60 °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 4.22.08

Type: ☐ Stainless Steel ☐ PVC ☐ Other Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 12.50 ft.

Depth to Well Bottom 22.50 ft.

Feet of Water in Well 10 ft.

Calculated Volume of Water in Well 1.6 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition:

Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 4/29/08 Time: 0957

Purge Method: ☑ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:

Purging Equipment: ☑ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0957

Purge End Time 1027

Volume Purged 4.8 gal.

Well Evacuated? ☐ Yes ☑ No

Time Series Data

Instruments: Horiba U-22

Calibrated: Date

Time	0957	1007	1017	1027		
Well Volumes	0	1	2	3		
Temp	18.6	19.0	19.0	19.1		
pH	5.57	5.27	5.23	5.40		
COND	0.502	0.499	0.499	0.497		
DO	4.79	0.51	0.25	0.15		
ORP	249	252	232	211		
Color	clr	clr	clr	clr		

Field Bioparameters (mg/L):

H_2S 0.0

Mn^{2+} 0.0

Fe^{2+} 0.0

CO_2 75

SAMPLE DATA

Sampling Method:: ☑ Peristaltic ☐ Bailer ☐ Sub Pump Date: 4/29/08 Time: 12:45

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☑ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☑ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☑ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☑ No

Number of Bottles Filled:

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE DATE 4/29/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: RT-3

PROJECT: Grenada Mon

PERSONNEL: E McPeek + M. Watkins

JOB NUMBER: 135375

TASK: 001 SPRING GWM

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 60 °F

Other:

WELL DATA

Casing: Diameter (inches) 2

Date: 4.22.08

Type: ☐ Stainless Steel ☐ PVC ☐ Other

Time:

Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other

Depth to Static Water Level 11.76 ft.

Depth to Well Bottom 22.38 ft.

Feet of Water in Well 10.62 ft.

Calculated Volume of Water in Well 1.7 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No

Is well visible? ☐ Yes ☐ No

Is well accessible? ☐ Yes ☐ No

Is drainage acceptable? ☐ Yes ☐ No

Is well labeled? ☐ Yes ☐ No

Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition:

Lock Type: Key Number:

PURGING DATA

Number of Well Volumes Purged 3

Date: 4/29/08 Time: 0916

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0916

Purge End Time 0946

Volume Purged 5.1 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0.0

Mn^{2+} 0.0

Fe^{2+} 0.0

CO_2^- 120

Time Series Data

Instruments: HORIBA U-22

Calibrated: Date

Time	0916	0926	0936	0946		
Well Volumes	0	1	2	3		
Temp	18.7	18.9	19.0	19.0		
pH	5.92	6.04	5.98	5.96		
COND	0.516	0.603	0.607	0.624		
DO	4.31	0.43	0.41	0.41		
ORP	269	262	272	265		
Color	clr	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Date: 4/29/08 Time: 13:00

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled:

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

4/29/08

DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Mun
JOB NUMBER: 135375
PERSONNEL: E. McPeel + M. Watkins
TASK: 001 Spring Sum
WELL NUMBER: RT-5

Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: 60 °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☐ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other
Date: 4.22.08
Time:

Depth to Static Water Level 12.27 ft.
Depth to Well Bottom 19.77 ft.
Feet of Water in Well 7.5 ft.
Calculated Volume of Water in Well 1.2 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No
Is well visible? ☐ Yes ☐ No
Is well accessible? ☐ Yes ☐ No
Is drainage acceptable? ☐ Yes ☐ No
Is well labeled? ☐ Yes ☐ No
Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 4/29/08 Time: 1045

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 1045
Purge End Time 1110
Volume Purged 3.6 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0.0
Mn^{2+} 0.0
Fe^{2+} 0.4
CO_2 60

Time Series Data

Instruments: Horiba U-22
Calibrated: Date

Time	1045	1052	1100	1110		
Well Volumes	0	1	2	3		
Temp	18.1	18.5	18.5	18.5		
pH	5.9	5.6	5.66	5.68		
COND	0.410	0.389	0.391	0.386		
DO	4.42	0.0	0.0	0.0		
ORP	168	158	152	148		
Color	clr	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 4/30/08 Time: 12:30
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled:

Comments 1 40ml VOC vial was broken

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: [illegible]
DATE: 4/30/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Mon
WELL NUMBER: MW-23
JOB NUMBER: 135375
PERSONNEL: E. McPeek + M. Watkins
TASK: 001 SPRING GWM
Weather Conditions: ☐ Sun ☒ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 60 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☐ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☐ PVC ☐ Other
Date: 4-22-08
Time:

Depth to Static Water Level 9.26 ft.
Depth to Well Bottom 23.01 ft.
Feet of Water in Well 13.75 ft.
Calculated Volume of Water in Well 2.2 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☐ Yes ☐ No
Is well visible? ☐ Yes ☐ No
Is well accessible? ☐ Yes ☐ No
Is drainage acceptable? ☐ Yes ☐ No
Is well labeled? ☐ Yes ☐ No
Is well locked? ☐ Yes ☐ No

Measurement Datum: ☐ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 4/29/08 Time: 0835

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0835
Purge End Time 0908
Volume Purged 6.6 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.0
Mn^{2+} 0.0
Fe^{2+} 0.0
CO_2^- 60

Time Series Data

Instruments: HORIBA U-22
Calibrated: Date

Time	0835	0846	0857	0908		
Well Volumes	0	1	2	3		
Temp	18.9	18.9	19.0	19.0		
pH	6.52	6.39	6.24	6.27		
COND	0.461	0.523	0.531	0.575		
DO	2.55	0.20	UM	0.33		
ORP	271	269	279	261		
Color	Cloudy	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 4/29/08 Time: 13:15
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled:

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: [illegible]
DATE: 4/29/08

GROUNDWATER SAMPLING FIELD DATA

BROWN AND CALDWELL

WELL NUMBER: MW-5

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: mid 80s °F
Other: L. Wind

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 14.31 ft.
Depth to Well Bottom 22.16 ft.
Feet of Water in Well 7.85 ft.
Calculated Volume of Water in Well 1.29 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: Abus
Key Number: N-55/40

PURGING DATA

Number of Well Volumes Purged 3
Date: 09/23/06 Time: 0945

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 0956
Purge End Time 1015
Volume Purged 5.2 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0
Mn^{2+} 0
Fe^{2+} 0.0
CO_2^- 90

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/23/08					
Time	0956	~~1000~~	~~1005~~	~~1010~~	1015	
Well Volumes	0	1.3	2.6	3.9	5.2	
Temp	20.65	20.36	20.44	20.22	20.14	
pH	5.92	5.72	5.73	5.76	5.79	
COND	0.719	52.6	69.4	89.4	84.7	
DO	3.26	0.64	0.55	0.42	0.44	
ORP	131	152	157	163	162	
Color	21.8	2.7	2.1	1.8	4.1	

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/23/08 Time: 1015
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☒ Dedicated ☐ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments
VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: Peter Schlater
DATE: 9/23/08

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
WELL NUMBER: MW-10
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other: L. Breeze
Temperature: mid 80's °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 15.27 ft.
Depth to Well Bottom 49.91 ft.
Feet of Water in Well 34.64 ft.
Calculated Volume of Water in Well 5.68 gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number 5403

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/24/08 Time: 0750

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 0759
Purge End Time 0935
Volume Purged 17.1 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0.0
Mn^{2+}	0
Fe^{2+}	1.1
CO_2^-	35

Time Series Data

Instruments:	Horiba U-22					
Calibrated:	Date 9/24/08					
Time	~~0759~~ 0759	~~0805~~ 0830	0905	~~0910~~ 0935		
Well Volumes	0	5.7	11.4	17.1		
Temp	18.13	18.09	18.14	18.20		
pH	5.72	5.80	5.83	5.79		
COND	0.682	3.39	1.26	0.679		
DO	2.98	0.27	0.22	0.24		
ORP	164	11	4	4		
Color	clear	clear	clear	clear		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/24/08 Time: 1000
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments
VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

[signature] SIGNATURE
9/24/08 DATE

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-14

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: mid 80's °F
Other: L. Breeze – humid

WELL DATA

Casing: Diameter (inches) 2
Date: 9/23/08
Type: ☐ Stainless Steel ☒ PVC ☐ Other _____
Time: _____
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other _____

Depth to Static Water Level 17.53 ft.
Depth to Well Bottom 27.08 ft.
Feet of Water in Well 9.55 ft.
Calculated Volume of Water in Well 1.57 gal.
0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other _____
Concrete Pad/ Condition: _____
Lock Type: Brinks
Key Number: C479

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/23/08 Time: 1035

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other: _____

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other: _____
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1044
Purge End Time 1105
Volume Purged 4.6 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0
Mn^{2+} 0.45
Fe^{2+} 5
CO_2^- 85

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/23/08					
Time	1044	1055				
Well Volumes	~~1.60~~	~~3.21~~	~~1.64~~	~~5.32~~ 4.6	6.2	
Temp	21.33	20.61	20.60	20.64		
pH	6.37	6.41	6.48	6.50		
COND	0.363	33.3	19.2	13.3		
DO	2.40	0.35	0.29	0.24		
ORP	-113	-122	-131	-134		
Color	662.0	5.0	1.1	1.3		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Date: 9/23/08 Time: 1115
Other: _____
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other: _____
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method: _____
Filter Size: _____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color : _____
Immiscible Liquid: _____

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE _____ DATE 9/23/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Groundwater Monitoring
JOB NUMBER: 135375
PERSONNEL: Erik McPeek & Peter Schlater
TASK: 002-Fall Groundwater Sampling
WELL NUMBER: MW-41

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: 80s °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 15.59 ft.
Depth to Well Bottom 24.09 ft.
Feet of Water in Well ~~[illegible]~~ 8.5 ft.
Calculated Volume of Water in Well 1.39 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: Master
Key Number: 3309

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/23/08 Time: 1140

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1145
Purge End Time 1220
Volume Purged 4.2 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.1
Mn^{2+} 0
Fe^{2+} 2.35
CO_2^- 20

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/23/08					
Time	1145	1204		1220		
Well Volumes	0	1.4	2.8	4.2		
Temp	21.63	20.58	20.47	20.69		
pH	7.07	9.58	9.70	9.69		
COND	1.02	2.77	1.43	0.90		
DO	3.41	0.23	0.18	0.29		
ORP	165	-32.2	-315	-287		
Color	355.0	4.6	4.4	9.5		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/23/08 Time: 1220
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments VOCs sampled of Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

9/23/08
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-42

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: mid 80's °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 15.93 ft.
Depth to Well Bottom 50.42 ft.
Feet of Water in Well 34.49 ft.
Calculated Volume of Water in Well 5.65 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: MC
Key Number: 3309

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/24/08 Time: 1011

Purge Method: ☐ Peristaltic ☐ Bailer ☒ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☒ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 0955
Purge End Time 1015
Volume Purged 17.0 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.0
Mn^{2+} 0.0
Fe^{2+} 1.7
CO_2 90

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	09/24/08					
Time	0955	1000	1009	1015		
Well Volumes	0	5.7	11.4	17.0		
Temp	18.37	18.34	18.36	18		
pH	6.18	6.24	6.22	6.25		
COND	8.30	82.9	4.44	3.52		
DO	1.10	0.25	0.20	0.18		
ORP	-73	-79	-89	-95		
Color	clear	clear	clear	clear		

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump Other:
Date: 9/24/08 Time: 1015
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: Pete Schlater
DATE: 9/24/08

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Groundwater Monitoring
JOB NUMBER: 135375
PERSONNEL: Erik McPeek & Peter Schlater
TASK: 002-Fall Groundwater Sampling
WELL NUMBER: MW-43

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: 80.5 °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 15.98 ft.
Depth to Well Bottom 24.09 ft.
Feet of Water in Well 8.91 ft.
Calculated Volume of Water in Well 1.46 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: Flush Mount
Key Number:

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/23/08 Time: 1625

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1628
Purge End Time 1652
Volume Purged 4.5 gal.

Well Evacuated? ☐ Yes ☒ No

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/23/08					
Time	1628			1652		
Well Volumes	0	1.5	3.0	4.5		
Temp	20.39	20.59	20.61	20.59		
pH	10.45	10.34	10.34	10.37		
COND	90.7	99.9	99.9	99.9		
DO	0.13	0.08	0.07	0.09		
ORP	-187	-198	-206	-216		
Color	clear	clear	clear	clear		

Field Bioparameters (mg/L):
H_2S 0
Mn^{2+} 0
Fe^{2+} 0
CO_2^- 0

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/23/08 Time: 1700
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments
VOC Sampled w/ Teflon

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE
DATE 9/23/08

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
WELL NUMBER: MW-44
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: 80 °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 14.71 ft.
Depth to Well Bottom 45.9 ft.
Feet of Water in Well ~~31.19~~ 31.19 ft
Calculated Volume of Water in Well 5.12 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: flush Mount
Key Number: —

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/26/08 Time: 1220

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1222
Purge End Time 1425
Volume Purged 15.3 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0
Mn^{2+}	0
Fe^{2+}	0
CO_2^-	0

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/26/08					
Time	1222			1425		
Well Volumes	0	5.1	10.2	15.3		
Temp	19.29	19.41	19.27	19.07		
pH	10.34	10.35	10.37	10.40		
COND	99.9	4.87	1.56	1.72		
DO	0.28	0.24	0.17	0.15		
ORP	-181	-269	-283	-290		
Color	358.0	316.0	410.0	clear		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/26/08 Time: 1430
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

9/26/08
DATE

GROUNDWATER SAMPLING FIELD DATA

BROWN AND CALDWELL

PROJECT: Grenada Groundwater Monitoring
JOB NUMBER: 135375
PERSONNEL: Erik McPeek & Peter Schlater
TASK: 002-Fall Groundwater Sampling
WELL NUMBER: MW-45
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: 80s °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 11.87 ft.
Depth to Well Bottom 27.59 ft.
Feet of Water In Well 15.72 ft.
Calculated Volume of Water In Well 2.58 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/23/08 Time: 1240

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1244
Purge End Time 1335
Volume Purged 7.8 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0
Mn^{2+} 0
Fe^{2+} 2.50
CO_2 100

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/23/08					
Time	1244	1309		1335		
Well Volumes	0	2.6	5.2	7.8		
Temp	18.97	18.98	18.67	18.67		
pH	6.18	6.02	6.09	6.11		
COND	2.20	4.54	3.09	2.74		
DO	0.71	0.23	0.22	0.21		
ORP	548.0	160	136	157		
Color	103.0	9.1	52.9	13.6		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/23/08 Time: 1340
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments VOCs sampled w/Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

9/23/08
DATE

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada GW Mon
JOB NUMBER: 135375
PERSONNEL: E. McPeek & P. Sidlets
TASK: 002 - Fall GW Sampling
WELL NUMBER: MW-46
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: mid 80's °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 11.66 ft.
Depth to Well Bottom 66.71 ft.
Feet of Water in Well 55.05 ft.
Calculated Volume of Water in Well 9.03 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/24/08 Time: 1047

Purge Method: ☐ Peristaltic ☐ Bailer ☒ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☒ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☒ Field Cleaned

Purge Start Time 0948
Purge End Time 1015
Volume Purged 27.3 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0.0
Mn^{2+}	<0.1
Fe^{2+}	3.9
CO_2^-	130

Time Series Data

Instruments: Horiba U-22
Calibrated: Date 9/24/08

Time	0948			1015
Well Volumes	0	9.1	18.2	27.3
Temp	17.91	17.86	17.85	17.85
pH	5.97	5.97	5.97	5.98
COND	0.727	5.35	5.54	7.21
DO	0.64	0.23	0.19	0.18
ORP	-27	-25	-24	-23
Color	turbid reddish	clear	clear	clear

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump
Other:
Date: 9/24/08 Time: 1030
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned
Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron
Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:
Duplicate Collected? ☒ Yes ☐ No
Number of Bottles Filled: 24

Comments
DUP-923

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE
9/24/08
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-47

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 80 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 14.98 ft.
Depth to Well Bottom 27.5 ft.
Feet of Water in Well ~~7.05 ft.~~ 12.52'
Calculated Volume of Water in Well 2.05 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: M.L.
Key Number: 3309

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/23/08 Time: 1405

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1410
Purge End Time 1438
Volume Purged 6.3 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0
Mn^{2+} 0
Fe^{2+} 3.0
CO_2 25

Time Series Data

Instruments:						
Calibrated: Date						
Time	1410			1438		
Well Volumes	0	2.1	4.2	6.3		
Temp	19.85	19.25	19.18	19.52		
pH	9.67	6.83	6.86	6.90		
COND	0.143	.891	26.9	13.1		
DO	4.91	0.08	0.20	0.19		
ORP	-105	-149	-151	-154		
Color	19.1	44.4	67.5	CL		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/23/08 Time: 1445
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: Pete Schlater
DATE: 9/23/08

GROUNDWATER SAMPLING FIELD DATA

PROJECT: Grenada Groundwater Monitoring
JOB NUMBER: 135375
PERSONNEL: Erik McPeek & Peter Schlater
TASK: 002-Fall Groundwater Sampling
WELL NUMBER: MW-48

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: 80 °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 14.51 ft.
Depth to Well Bottom 42.45 ft.
Feet of Water in Well 27.94 ft.
Calculated Volume of Water in Well 4.58 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: M.L.
Key Number: 3309

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/23/08 Time: 1600

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1607
Purge End Time 1630
Volume Purged 15 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0
Mn^{2+}	0
Fe^{2+}	—
CO_2	30

Time Series Data

Instruments: Horiba U-22
Calibrated: Date 9/24/08

Time	1607	1615	1623	1630		
Well Volumes	0	5	10	15		
Temp	18.19	17.84	17.82	17.82		
pH	6.29	6.61	6.69	6.75		
COND	0.584	99.9	45.8	21.3		
DO	2.25	0.10	0.19	0.18		
ORP	-152	-187	-194	-199		
Color	clr	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/24/08 Time: 1635
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments MS/MSD - MW-48 @ 1635
VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: Pete Schlater
DATE: 9/24/08

GROUNDWATER SAMPLING FIELD DATA

PROJECT: _____ PERSONNEL: _____ WELL NUMBER: MW-49

JOB NUMBER: _____ TASK: _____

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 80 °F

Other: Light Breeze

WELL DATA

Casing: Diameter (inches) 2

Type: ☐ Stainless Steel ☒ PVC ☐ Other _____ Date: 9/22/08

Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other _____ Time: 1000

Depth to Static Water Level 13.84 ft.

Depth to Well Bottom 47.81 ft.

Feet of Water in Well 33.97 ft.

Calculated Volume of Water in Well 5.59 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing Other _____

Concrete Pad/ Condition: _____

Lock Type: F.M Key Number: _____

PURGING DATA

Number of Well Volumes Purged 3

Date: 9/26/08 Time: 845

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other: _____

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 859

Purge End Time 1120

Volume Purged 16.8 gal.

Well Evacuated? ☐ Yes ☒ No

Dup. collected @ MW-49 Noted as DUP-926

Time Series Data

Instruments:	Horiba U-22			
Calibrated: Date	9/26/08			
Time	859	0945		
Well Volumes	0	5.6	11.2	16.8
Temp	18.37	18.47	18.43	18.59
pH	8.49	9.32	9.21	9.19
COND	99.9	1.75	0.968	0.767
DO	0.29	0.20	0.16	0.17
ORP	-158	-397	-437	-467
Color	57.9	82.8	169	186.0

Field Bioparameters (mg/L):

H_2S 0

Mn^{2+} < 0.1

Fe^{2+} 3.9

CO_2^- 130

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Date: 9/26/08 Time: 1130

Other: _____ (Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other: _____

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other: _____

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method: _____

Filter Size: _____ micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color : _____

Immiscible Liquid: _____

Duplicate Collected? ☒ Yes ☐ No

Number of Bottles Filled: 24

Comments DUP-926

VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE _____ DATE 9/26/08

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-50

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 80.5 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 14.08 ft.
Depth to Well Bottom 23.79 ft.
Feet of Water in Well 9.71 ft.
Calculated Volume of Water in Well 1.59 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: F.M.
Key Number: —

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/23/08 Time: 1525

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1527
Purge End Time 1612
Volume Purged 4.8 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.2
Mn^{2+} 0
Fe^{2+} 15
CO_2^- 0

Time Series Data

Instruments:	Horiba U-22			
Calibrated: Date	9/23/08			
Time	1527	1542	1557	1612
Well Volumes	0	1.6	3.2	4.8
Temp	21.48	22.34	21.99	22.01
pH	9.18	9.47	9.34	9.42
COND	2.90	95.9	13.8	10.3
DO	0.73	0.09	0.17	0.18
ORP	-286	-279	-391	-405
Color	clear	clear	clear	clear

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/23/08 Time: 1530
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments VOCs sampled w/ Teflon Bailer
water was black when sampled w/ Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: [signature]
DATE: 9/23/08

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-51

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 80s °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 12.56 ft.
Depth to Well Bottom 27.72 ft.
Feet of Water in Well 15.16 ft.
Calculated Volume of Water in Well 2.49 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: MC
Key Number: 3309

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/23/08 Time: 1215

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1221
Purge End Time 1255
Volume Purged 7.5 gal.
Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.0
Mn^{2+} 0.0
Fe^{2+} 0.6
CO_2 40

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/24/08					
Time	1221			1255		
Well Volumes	0	2.5	5.0	7.5		
Temp	18.98	18.23	18.72	18.62		
pH	5.78	5.51	5.46	5.54		
COND	0.349	42.5	0.167	1.54		
DO	2.30	1.09	1.17	1.22		
ORP	112	168	185	181		
Color	clear	clear	clear	clear		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/24/08 Time: 1300
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: Peter Schlater
DATE: 9/24/08

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-52

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 85 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Date: 9/22/08
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Time: 1000
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other

Depth to Static Water Level 12.64 ft.
Depth to Well Bottom 49.6 ft.
Feet of Water in Well ft.
Calculated Volume of Water in Well 6.06 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☑ Yes ☐ No
Is well visible? ☑ Yes ☐ No
Is well accessible? ☑ Yes ☐ No
Is drainage acceptable? ☑ Yes ☐ No
Is well labeled? ☑ Yes ☐ No
Is well locked? ☑ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type
Key Number

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/24/08 Time: 1335

Purge Method: ☐ Peristaltic ☐ Bailer ☑ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☑ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☑ Disposable ☑ Field Cleaned

Purge Start Time
Purge End Time
Volume Purged gal.

Well Evacuated? ☐ Yes ☐ No

Field Bioparameters (mg/L):

H_2S	0.0
Mn^{2+}	0.0
Fe^{2+}	3.5
CO_2	115

Time Series Data

Instruments: Horiba U-22

Calibrated: Date	9/24/08			
Time	1340	1345	1358	1409
Well Volumes	0	6.1	12.2	18.3
Temp	17.9	17.5	17.4	17.4
pH	4.97	4.89	4.82	4.88
COND	0.183	0.182	0.179	0.174
DO	1.27	0.0	0.0	0.0
ORP	183	98	96	90
Color	brwn	clr	clr	clr

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump Date: 9/24/08 Time: 1415
Other:
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☑ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☑ No
Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

9/24/08
DATE

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-53

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 80.5 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Date: 9/22/08
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Time: 0900
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other

Depth to Static Water Level 11.21 ft.
Depth to Well Bottom 27.77 ft.
Feet of Water in Well 16.56 ft.
Calculated Volume of Water in Well 2.72 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: ML
Key Number: 3309

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/24/08 Time: 1310

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 1315
Purge End Time 1358
Volume Purged 8.1 gal.
Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.0
Mn^{2+} 0.0
Fe^{2+} 0.0
CO_2 80

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/24/08					
Time	1315	1335	1348	1358		
Well Volumes	0	2.7	5.4	8.1		
Temp	19.12	18.28	18.35	18.41		
pH	5.84	5.76	5.76	5.74		
COND	0.250	1.19	0.90	0.583		
DO	1.82	0.25	0.33	0.26		
ORP	141	147	156	157		
Color	clear	clear	clear	clear		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Date: 9/24/08 Time: 1400
Other:
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned
Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:
Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE
DATE 9/24/08

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-54

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 80F °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 12.11 ft.
Depth to Well Bottom 44.93 ft.
Feet of Water in Well 32.82 ft.
Calculated Volume of Water in Well 5.30 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: ML
Key Number: 3309

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/24/08 Time: 1445

Purge Method: ☐ Peristaltic ☐ Bailer ☒ Sub Pump Other:
Materials: Bailer/Pump ☐ Teflon ☒ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☒ Field Cleaned

Purge Start Time 1455
Purge End Time 1625
Volume Purged 16.2 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S	0.0
Mn^{2+}	0.0
Fe^{2+}	0.5
CO_2	80

Time Series Data

Instruments: Horiba U-22
Calibrated: Date 9/24/08

Time	1455	1505	1515	1525		
Well Volumes	0	5.4	10.8	16.2		
Temp	17.27	16.88	16.89	16.89		
pH	5.65	5.55	5.54	5.55		
COND	0.22	99.9	99.9	2.26		
DO	1.42	0.05	0.07	0.19		
ORP	152	181	186	189		
Color	clr	clr	clr			

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump
Other:
Date: 9/24/08 Time: 1530
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned
Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:
Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: Pete Schlater
DATE: 9/24/08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: RT-1

PROJECT: Grenada GW sampling

PERSONNEL: P. Schlater + E. McPeck

JOB NUMBER: 135375

TASK: 002-Fall GW Sampling

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 85 °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 9/22/08

Type: ☐ Stainless Steel ☒ PVC ☐ Other Time: 1000

Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other

Depth to Static Water Level 13.63 ft.

Depth to Well Bottom 18.68 ft.

Feet of Water in Well 5.05 ft.

Calculated Volume of Water in Well 0.83 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No

Is well visible? ☒ Yes ☐ No

Is well accessible? ☒ Yes ☐ No

Is drainage acceptable? ☒ Yes ☐ No

Is well labeled? ☒ Yes ☐ No

Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition:

Lock Type: — Key Number: —

PURGING DATA

Number of Well Volumes Purged 3 Date: 9/26/08 Time: 1020

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☒ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Purging Equipment: ☐ Dedicated ☐ Disposable ☐ Field Cleaned

Purge Start Time 1020

Purge End Time 1100

Volume Purged 2.55 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):

H_2S 0.0

Mn^{2+} 0.0

Fe^{2+} 0.0

CO_2^- 130

Time Series Data

Instruments: Horiba

Calibrated: Date 9/26/08

Time	1020	1035	1050	1100		
Well Volumes	0	0.85	1.7	2.55		
Temp	21.3	20.3	20.4	20.4		
pH	5.60	5.13	5.15	5.15		
COND	0.602	0.549	0.541	0.535		
DO	1.77	0.05	0.08	0.06		
ORP	-73	44	68	75		
Color	Clr	Clr	Clr	Clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 9/26/08 Time: 1115

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☒ Yes ☐ No

Number of Bottles Filled:

Comments MS/MSD - RT-1

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

9/26/08 DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: PZ-2

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 85 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Date: 9/22/08
Type: ☐ Stainless Steel ☑ PVC ☐ Other
Time: 1000
Intake Screen: ☐ Stainless Steel ☑ PVC ☐ Other

Depth to Static Water Level 13.5 ft.
Depth to Well Bottom 18.67 ft.
Feet of Water in Well 5.17 ft.
Calculated Volume of Water in Well ~~0.89~~ 0.84 gal.
0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☑ Yes ☐ No
Is well visible? ☑ Yes ☐ No
Is well accessible? ☑ Yes ☐ No
Is drainage acceptable? ☑ Yes ☐ No
Is well labeled? ☑ Yes ☐ No
Is well locked? ☑ Yes ☐ No

Measurement Datum: ☑ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type —
Key Number —

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/26/08 Time: 0930

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ~~☐ PE~~ Other:
Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☑ Disposable ☐ Field Cleaned

Purge Start Time 0930
Purge End Time 1005
Volume Purged 2.7 gal.

Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0.0
Mn^{2+} <0.1
Fe^{2+} 0.0
CO_2 110

Time Series Data

Instruments:	Horiba					
Calibrated: Date	9/26/08					
Time	0930	0942	0952	1005		
Well Volumes	~~0.9~~ 0	0.9	~~1.8~~	~~2.7~~ 1.8	2.7	
Temp	22.2	21.2	21.5	21.4		
pH	5.75	5.56	5.37	5.49		
COND	0.493	0.506	0.509	0.506		
DO	3.25	4.19	2.84	3.84		
ORP	230	138	179	152		
Color	clr	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☑ Peristaltic ☐ Bailer ☐ Sub Pump
Other:
Date: 9/26/08 Time: ~~1035~~ 1030
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☑ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☑ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☑ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☑ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☑ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☑ No
Number of Bottles Filled: 12

Comments VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

Pete Schlater
SIGNATURE

9/26/08
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: RT-4

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Other:
Temperature: 85 °F

WELL DATA

Casing: Diameter (inches) 2
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other
Date: 9/22/08
Time: 1000

Depth to Static Water Level 13.40 ft.
Depth to Well Bottom 22.0 ft.
Feet of Water in Well 8.6 ft.
Calculated Volume of Water in Well 1.41 gal. 0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:

Lock Type: [illegible]
Key Number: [illegible]

PURGING DATA

Number of Well Volumes Purged 2
Date: 9/25/08 Time: 1730

Purge Method: ☐ Peristaltic ☒ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ~~☐ PE~~ Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 17:30
Purge End Time 1738
Volume Purged 1.42 gal.

Well Evacuated? ☒ Yes ☐ No

Field Bioparameters (mg/L):

H_2S	0
Mn^{2+}	0
Fe^{2+}	<0.1
CO_2^-	30

Time Series Data

Instruments:	Horriba					
Calibrated:	Date 9/25/08					
Time	1730	1738				
Well Volumes	0	1.42				
Temp	21.23	20.75				
pH	6.35	6.53				
COND	99.97	99.97				
DO	1.49	1.49				
ORP	48	22				
Color	clr	clr				

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump
Other:
Date: 9/26/08 Time: 1330
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☐ Polyethylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No
Number of Bottles Filled:

Comments Only 1 SVOC filled → well was dry

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

[signature] SIGNATURE
9/26/08 DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: RT-5

PROJECT: Granada GW Sample PERSONNEL: E. McPeek - P. Schlater

JOB NUMBER: 135375 TASK: 002 Fall GW Sampling

Weather Conditions: ☑ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 80° °F

Other:

WELL DATA

Casing: Diameter (inches) 2 Date: 9/22/08

Type: ☐ Stainless Steel ☑ PVC ☐ Other Time: 1000

Intake Screen: ☐ Stainless Steel ☑ PVC ☐ Other

Depth to Static Water Level ____ ft.

Depth to Well Bottom ____ ft.

Feet of Water in Well ____ ft.

Calculated Volume of Water in Well 0.89 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☑ Yes ☐ No

Is well visible? ☑ Yes ☐ No

Is well accessible? ☑ Yes ☐ No

Is drainage acceptable? ☑ Yes ☐ No

Is well labeled? ☑ Yes ☐ No

Is well locked? ☑ Yes ☐ No

Measurement Datum: ☑ Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition: Lock Type Key Number

PURGING DATA

Number of Well Volumes Purged 3 Date: 9/26/08 Time:

Purge Method: ☐ Peristaltic ☒ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:

Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 0946

Purge End Time 1015

Volume Purged 3.0 gal.

Well Evacuated? ☐ Yes ☑ No

Field Bioparameters (mg/L):

H_2S 0.0

Mn^{2+} 0.0

Fe^{2+} 0.0

CO_2 60

Time Series Data

Instruments: Horiba

Calibrated: Date 9/26/08

Time	0940	0958	1010	1015		
Well Volumes	0	1.0	2.0	3.0		
Temp	21.5	20.4	20.5	20.5		
pH	6.02	5.96	5.88	5.65		
COND	0.303	0.316	0.318	0.304		
DO	3.10	3.66	3.95	3.24		
ORP	-25	55	71	90		
Color	Clr	Clr	Clr.	Clr		

SAMPLE DATA

Sampling Method:: ☐ Peristaltic ☒ Bailer ☐ Sub Pump Date: 9/26/08 Time: ~~1025~~ 1015

Other:

(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polyethylene ☒ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Metals Field Filtered? ☐ Yes ☒ No

Filtering Method:

Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :

Immiscible Liquid:

Duplicate Collected? ☐ Yes ☒ No

Number of Bottles Filled: 12

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE DATE 9/26/08

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-23

PROJECT: Grenada Groundwater Monitoring
PERSONNEL: Erik McPeek & Peter Schlater
JOB NUMBER: 135375
TASK: 002-Fall Groundwater Sampling
Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy
Temperature: 80 °F
Other:

WELL DATA

Casing: Diameter (inches) 2
Date: 9/22/08
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Time: 1000
Intake Screen: ☐ Stainless Steel ☒ PVC ☐ Other

Depth to Static Water Level 10.17 ft.
Depth to Well Bottom 22.22 ft.
Feet of Water In Well 12.05 ft.
Calculated Volume of Water In Well 1.97 gal. (0.65 gal/ft 4" diameter, 0.16 gal/ft 2" diameter)

Is well in good condition? ☒ Yes ☐ No
Is well visible? ☒ Yes ☐ No
Is well accessible? ☒ Yes ☐ No
Is drainage acceptable? ☒ Yes ☐ No
Is well labeled? ☒ Yes ☐ No
Is well locked? ☒ Yes ☐ No

Measurement Datum: ☒ Top of Inner Casing ☐ Procasing
Other
Concrete Pad/ Condition:
Lock Type: Flush Mount
Key Number:

PURGING DATA

Number of Well Volumes Purged 3
Date: 9/26/08 Time: 0830

Purge Method: ☒ Peristaltic ☐ Bailer ☐ Sub Pump Other:
Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☐ Nylon Other:
Purging Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned

Purge Start Time 0830
Purge End Time 0920
Volume Purged 6 gal.
Well Evacuated? ☐ Yes ☒ No

Field Bioparameters (mg/L):
H_2S 0
Mn^{2+} 0
Fe^{2+} 0
CO_2^- 65

Time Series Data

Instruments:	Horiba U-22					
Calibrated: Date	9/26/08					
Time	0830	0850	0905	0920		
Well Volumes	0	2	4	6		
Temp	22.8	23.1	23.1	23.2		
pH	5.97	5.87	5.74	5.69		
COND	0.731	0.645	0.588	0.566		
DO	1.19	0.07	0.03	0.02		
ORP	200	123	139	161		
Color	clr	clr	clr	clr		

SAMPLE DATA

Sampling Method:: ☒ Peristaltic ☒ Bailer ☐ Sub Pump Date: 9/26/08 Time: 1000
Other:
(Date and time should correspond with time on sample bottle)

Materials: Bailer/Pump ☒ Teflon ☐ SS ☐ PVC ☐ PE Other:
Cord/Tubing ☐ Teflon ☒ Polyethylene ☒ Nylon Other:

Sampling Equipment: ☐ Dedicated ☒ Disposable ☐ Field Cleaned
Metals Field Filtered? ☐ Yes ☒ No
Filtering Method:
Filter Size: micron

Sampling Appearance: ☒ Clear ☐ Cloudy ☐ Turbid Color :
Immiscible Liquid:
Duplicate Collected? ☒ Yes ☐ No
Number of Bottles Filled: 24

Comments Dub-926 - Duplicate Collected
VOCs sampled w/ Teflon Bailer

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE: [signature]
DATE: 9/26/08

APPENDIX B

Chain-of-Custody Forms and Laboratory Analytical Report

- **April 2008 Chain of Custody Forms**
- **April 2008 Laboratory Reports**
- **September 2008 Chain of Custody Forms**
- **September 2008 Laboratory Reports**