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#### Transmitted Via Overnight Courier

July 30, 2008

Mr. Richard Fisher U.S. Environmental Protection Agency EPA - New England One Congress Street, Suite 1100 Boston, Massachusetts 02114-2023

Re: GE-Pittsfield/Housatonic River Site

Groundwater Management Area 1 (GECD310)

**Groundwater Quality Monitoring Interim Report for Spring 2008** 

Dear Mr. Fisher:

In accordance with GE's approved Baseline Monitoring Program Proposal for Plant Site 1 Groundwater Management Area (September 2000) and Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2007 (January 2008), enclosed is the Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008. This report summarizes activities performed as part of the Plant Site 1 Groundwater Management Area (GMA 1) groundwater quality monitoring program during spring 2008, including the results of the latest groundwater sampling and analysis round at GMA 1. In addition, certain modifications to the interim monitoring program at GMA 1 are proposed to address recent modifications made by MDEP to the Method 1 groundwater quality standards.

Please call Andrew Silfer or me if you have any questions regarding this report.

Sincerely,

Richard W. Gates

Remediation Project Manager

#### Enclosure

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**General Electric Company Pittsfield, Massachusetts** 

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008

July 2008

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008

(Spring 2008 GMA 1 Groundwater Quality Report)

General Electric Company Pittsfield, Massachusetts

Prepared for:

General Electric Company Pittsfield, Massachusetts

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Date: July 2008 ARCADIS Table of Contents

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#### 1. Introduction

#### 1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD governs (among other things) the performance of response actions to address polychlorinated biphenyls (PCBs) and other hazardous constituents in soil, sediment, and groundwater in several Removal Action Areas (RAAs) located in or near Pittsfield, Massachusetts that collectively comprise the GE-Pittsfield/Housatonic River Site (the Site). For groundwater and non-aqueous-phase liquid (NAPL), the RAAs at and near the GE Pittsfield facility have been divided into five separate Groundwater Management Areas (GMAs), which are illustrated on Figure 1. These GMAs are described, together with the Performance Standards established for the response actions at and related to them, in Section 2.7 of the Statement of Work for Removal Actions Outside the River (SOW) (Appendix E to the CD), with further details presented in Attachment H to the SOW (Groundwater/NAPL Monitoring, Assessment, and Response Programs). relates to the Plant Site 1 Groundwater Management Area, also known as and referred to herein as GMA 1.

In September 2000, GE submitted a *Baseline Monitoring Program Proposal for Plant Site 1 Groundwater Management Area* (GMA 1 Baseline Monitoring Proposal). The GMA 1 Baseline Monitoring Proposal summarized the hydrogeologic information available at that time for GMA 1 and proposed groundwater and NAPL monitoring activities (incorporating as appropriate those activities that were in place at that time) for the baseline monitoring period at this GMA. EPA provided conditional approval of the GMA 1 Baseline Monitoring Proposal by letter of March 20, 2001. Thereafter, certain modifications were made to the GMA 1 baseline monitoring program as a result of EPA approval conditions and/or findings during field reconnaissance of the selected monitoring locations and, subsequently, during implementation of the baseline monitoring program.

The baseline monitoring program, which was initiated in fall 2001, consisted of four semiannual groundwater quality sampling events followed by preparation and submittal of reports summarizing the groundwater monitoring results and, as appropriate, proposal of modifications to the monitoring program. The fourth baseline monitoring report for GMA 1, entitled *Plant Site 1 Groundwater Management Area Baseline Groundwater Quality Interim Report for Spring 2003* (Spring 2003 GMA 1 Groundwater Quality Report), was submitted to EPA on July 30, 2003. Section 6.1.3 of Attachment H to the SOW provides that if the two-year "baseline" period ends prior to the completion of soil-related response actions at all the RAAs in a GMA, GE may make a proposal to EPA to modify and/or extend the Baseline Monitoring Program based on the results of the initial assessment and the estimated timing

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of future response actions at the RAAs in the GMA. The approved GMA 1 Baseline Monitoring Proposal also allows GE to propose a modification and/or extension of the baseline monitoring program based on the results of the initial assessment and the estimated timing of future response actions. The Spring 2003 GMA 1 Groundwater Quality Report contained such a proposal to modify and extend baseline groundwater quality monitoring activities at GMA 1 (under a program referred to as the interim monitoring program) until such time as the soil-related Removal Actions at the GMA 1 RAAs are completed and the specific components of a long-term groundwater quality monitoring program are determined. EPA conditionally approved the Spring 2003 GMA 1 Groundwater Quality Report by letter dated September 23, 2003. Under the approved interim monitoring program, annual water quality sampling (alternating between the spring and fall seasons) at selected GMA 1 wells began in spring 2004, following a limited sampling event in fall 2003 involving the collection of groundwater samples from six wells that did not yet have four complete rounds of sampling as part of the baseline monitoring program. The monitoring wells included in the interim monitoring program are shown on Figure 2.

As part of the interim groundwater quality monitoring program, GE is required to submit reports after each groundwater sampling event to summarize the groundwater monitoring results and related activities and, as appropriate, propose modifications to the monitoring program. The results of the most recent full round of interim groundwater sampling activities performed at this GMA in fall 2007 were provided in GE's January 2008 *Plant Site 1 Groundwater Management Area Groundwater Quality Interim Report for Fall 2007* (Fall 2007 GMA 1 Groundwater Quality Report), which was conditionally approved by EPA in a letter dated April 8, 2008.

GE performed the next round of scheduled interim sampling activities at GMA 1 in accordance with EPA approval conditions in spring 2008.

The results of the interim groundwater sampling activities conducted in spring 2008 are provided in this *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008* (Spring 2008 GMA 1 Groundwater Quality Report). As requested by EPA in a March 29, 2007 letter conditionally approving a prior groundwater report, this report also contains groundwater elevation data collected at GMA 1 during the spring semi-annual monitoring event performed in April 2008 (both in data tables and plotted in groundwater elevation contour maps). GE will continue to present detailed discussions of GE's groundwater flow monitoring, including information on groundwater elevations, flow direction, and seasonal trends, as well as assessments of the presence and extent of NAPL at GMA 1 (including summaries of GE's NAPL recovery efforts), in the separate semi-annual reports submitted under GE's NAPL monitoring program. The most recent GMA 1 NAPL monitoring report (covering the fall 2007 monitoring period) was submitted to EPA in February 2008, and the NAPL monitoring report for the spring 2008 monitoring period will be submitted to EPA in August 2008.

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In addition, in accordance with Condition 2 of EPA's conditional approval letter dated October 10, 2007, GE continued its semi-annual sampling and analysis of groundwater samples from two monitoring wells at Newell Street Area II (wells GMA1-25 and GMA1-27). The results of the second round of that sampling have been incorporated into this report. Following completion of four sampling rounds, the analytical data will be evaluated to determine whether interim or long-term sampling and analysis is appropriate at those monitoring wells. The result of GE's investigation of the reason that a submersible bladder pump could not be used in one of these wells, pursuant to that same condition, is discussed in Section 5.2 below.

#### 1.2 Background Information

As discussed above, the CD and SOW provide for the performance of groundwater-related monitoring and NAPL removal activities at a number of GMAs. Some of these GMAs, including GMA 1, incorporate multiple RAAs to reflect the fact that groundwater may flow between RAAs. GMA 1 encompasses 11 RAAs and occupies an area of approximately 215 acres (Figure 1). The RAAs within GMA 1 are:

- RAA 1 40s Complex;
- RAA 2 30s Complex;
- RAA 3 20s Complex;
- RAA 4 East Street Area 2-South;
- RAA 5 East Street Area 2-North;
- RAA 6 East Street Area 1-North;
- RAA 12 Lyman Street Area;
- RAA 13 Newell Street Area II;
- RAA 14 Newell Street Area I;
- RAA 17 Silver Lake Area; and
- RAA 18 East Street Area 1-South.

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GMA 1 contains a combination of GE-owned and non-GE-owned industrial areas, residential properties, and recreational areas, including land formerly owned by GE that has been, or will be, transferred to the Pittsfield Economic Development Authority (PEDA) pursuant to the Definitive Economic Development Agreement (DEDA). The Housatonic River flows through the southern portion of this GMA, while Silver Lake is located along the western boundary. Certain portions of this GMA originally consisted of land associated with oxbows or low-lying areas of the Housatonic River. Re-channelization and straightening of the Housatonic River in the early 1940s by the City of Pittsfield and the United States Army Corps of Engineers (USACE) separated several of these oxbows and low-lying areas from the active course of the river. These oxbows and low-lying areas were subsequently filled with various materials from a variety of sources, resulting in the current surface elevations and topography.

Groundwater flow patterns at GMA 1 generally reflect the topography of the site with flow toward the Housatonic River, except where influenced by features such as Silver Lake, the recharge pond, or by recovery systems which are pumped to induce hydraulic depressions in their vicinity. Although variations occur in groundwater elevations at various wells or portions of GMA 1, overall groundwater flow patterns have remained relatively stable for years. As shown on Figure 3, Groundwater flow conditions observed during spring 2008 display the typical patterns observed at GMA 1.

As discussed in Section 1.1 above, the CD and the SOW provide for the performance of groundwater-related Removal Actions at the GMAs, including the implementation of groundwater monitoring, assessment, and recovery programs. In general, these programs consist of a baseline monitoring program conducted over a period of at least two years to establish existing groundwater conditions and a long-term monitoring program performed to assess groundwater conditions over time and to verify the attainment of the Performance Standards for groundwater. As set forth in the GMA 1 Baseline Monitoring Proposal and Addendum, the baseline monitoring program at this GMA initially involved a total of 65 monitoring wells. Subsequent modifications to the program resulted in the addition of one well (LSSC-08I) and replacement of five wells with substitute monitoring wells (ESA2S-52 for ES2-17, MW-3R for MW-3, GMA1-13 for 95-9, ESA1S-33 for ES1-8, and ES1-23R for ES1-23). All of these wells were monitored for groundwater elevations on a quarterly basis and sampled on a semi-annual basis for analysis of PCBs and/or certain other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2chloroethylvinyl ether, and 1,2-diphenyhydrazine (Appendix IX+3). The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well.

After the fourth baseline sampling event at most of the wells in GMA 1 in spring 2003, EPA approved the implementation of the interim monitoring program until the completion of the soil-related Removal Actions at the GMA 1 RAAs, at which time GE will propose a long-term monitoring program. In the Spring 2003 GMA 1 Groundwater Quality Report, GE

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described its proposed interim groundwater quality monitoring program. Certain specific monitoring tasks were to be performed in fall 2003, and GE submitted its Fall 2003 GMA 1 Groundwater Quality Report providing the results of those tasks. Beginning in spring 2004, as approved by EPA, the interim groundwater quality monitoring program was to consist of annual sampling (alternating between the spring and fall seasons) and analysis for select constituents at 22 GMA 1 wells. Locations selected for interim groundwater quality monitoring were wells downgradient of known NAPL areas/recovery systems where no additional hydraulic controls are in place, and/or those wells where analytical results from the baseline monitoring rounds did not clearly indicate whether long-term monitoring would be necessary. Supplemental sampling outside of that annual schedule has been conducted at certain monitoring wells as required by EPA.

Since the spring 2004 groundwater sampling event, GE has presented the results of each sampling event in interim and supplemental groundwater quality monitoring reports and, based on those results, has proposed and, following EPA approval, implemented modifications to the interim program. A number of program modifications were made in spring 2006, following revisions to the MCP Method 1 groundwater standards that took effect on April 3, 2006. On February 14, 2008, additional revisions to the MCP Method 1 groundwater standards took effect, and, as required by Condition 4 of EPA's April 8, 2008 conditional approval letter, this report discusses the revised standards, evaluates their implications on the interim groundwater quality monitoring program, and proposes further modifications to that program in response to those new standards.

A separate non-GE-related disposal site, as designated under the MCP, is located on an adjacent property near the northern edge of the Lyman Street Area. This disposal site is the O'Connell Mobil Station site (MDEP Site No. 1-13347) (also referred to as the "East Street Mobil Site") at 730 East Street. GE understands this site is currently being addressed by O'Connell Oil Associates, Inc. to satisfy the requirements of Massachusetts General Laws Chapter 21E and the MCP. Available documentation indicates that soluble-phase contaminants related to gasoline releases from the East Street Mobil Site may have migrated onto GMA 1. GE is required to include available monitoring results from response actions performed at this adjacent site in the groundwater monitoring reports for GMA 1, to the extent that information is available to GE. To fulfill this requirement, GE conducted a file search at MDEP in July 2008 to review any reports that have been submitted regarding this site since submittal of the Fall 2007 GMA 1 Groundwater Quality Report. The results of that file search, including a listing of the reports that were reviewed, is provided in Section 3.3.

#### 1.3 Format to Document

The remainder of this report is presented in four sections. Section 2 describes the groundwater quality-related activities performed at GMA 1 in spring 2008. Section 3 presents the analytical results obtained during the spring 2008 sampling event performed in April 2008. Section 4 provides a summary of the applicable groundwater quality

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Performance Standards identified in the CD and SOW, and provides an assessment of the results of the spring 2008 activities, including a comparison to those Performance Standards. Finally, Section 5 presents GE's discussion of the implications of the new MDEP groundwater quality standards on the interim groundwater quality monitoring program, proposes several modifications to that interim groundwater monitoring program, and summarizes the schedule for future field and reporting activities related to groundwater quality at GMA 1.

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#### 2. Field and Analytical Procedures

#### 2.1 General

The activities conducted as part of the interim groundwater monitoring program during spring 2008, and summarized herein, primarily involved the measurement of groundwater levels and the collection and analysis of groundwater samples at select monitoring wells within GMA 1, as described in Table 1. The construction details of the wells that were sampled are provided in Table 2 and the spring 2008 field sampling data are presented in Appendix A. This section discusses the field procedures used to measure site groundwater levels and collect groundwater samples, as well as the methods used to analyze the groundwater samples. All activities were performed in general accordance with GE's approved Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP).

#### 2.2 Groundwater Elevation Monitoring

The spring 2008 semi-annual groundwater elevation monitoring round was performed at GMA 1 from April 14 through April 16, 2008. This activity involved the collection of groundwater elevation data at the locations listed in Table 3. Groundwater levels and NAPL thicknesses (where NAPL is present) were measured in accordance with the procedures specified in GE's approved FSP/QAPP. Groundwater elevations were, on average, approximately 0.04 feet lower than the elevations measured during the previous spring 2007 monitoring event. The groundwater elevation data presented in Table 3 from wells screened across or near the water table were used to prepare a groundwater elevation contour map for spring 2008 (Figure 3). Consistent with prior data, groundwater was found to generally flow toward the Housatonic River.

#### 2.3 Groundwater Sampling and Analysis

The spring 2008 groundwater sampling event was performed between April 3 and April 18, 2008, with the exception of monitoring well ESA1N-52, which could not be sampled during spring 2008 due to sediment build-up in the well. That well will be redeveloped to facilitate future ground water elevation monitoring, but as discussed in Section 5.2, no additional sampling is proposed at this location based on the historical PCB concentrations observed relative to the revised MCP groundwater standards for PCBs.

As discussed in the Fall 2007 GMA 2 Groundwater Quality Report and noted in Condition No. 1 of EPA's April 8, 2008 conditional approval letter, elevated pH levels were detected during the fall 2007 groundwater quality monitoring event at four monitoring wells (139R, E2SC-23, GMA1-25, and MW-4R). Accordingly, prior to groundwater sample collection, GE conducted an equipment check and assessment of groundwater pH at these wells. This assessment, which was conducted between March 31 and April 3, 2008, involved the low-flow purging and monitoring of pH at the wells with the monitoring equipment to be utilized

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during the spring 2008 sampling event. At each monitoring well, the pH was found to be within the typical range that has been documented during sampling events prior to fall 2007. One monitoring instrument was observed to occasionally produce erratic readings, potentially due to a loose connection in the wiring. That instrument was not utilized during the subsequent groundwater sampling round. As the pH in groundwater was within the historically representative range of 5.0 to 8.5 at all locations in spring 2008 (see Table 4), the elevated readings encountered in fall 2007 appear to be related to anomalous instrument malfunctions and not to changes in groundwater chemistry or damage to the monitoring wells.

Groundwater samples were collected from 22 groundwater monitoring wells scheduled for interim sampling. These samples were collected by the low-flow techniques specified in the FSP/QAPP, using either a bladder or peristaltic pump for the purging and collection of groundwater samples. The sampling methods utilized at each well are specified in Appendix A. Each monitoring well was purged utilizing low-flow techniques until field parameters (including temperature, pH, specific conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) stabilized prior to sample collection. Field parameters were measured in combination with the sampling activities at the monitoring wells. The stabilized field parameter measurements are presented below and the field sampling data are provided in Appendix A.

Parameter	Units	Range of Stabilized Readings			
Turbidity	Nephelometric turbidity units (NTU)	0.0 – 21.0			
рН	pH units	6.52 – 7.78			
Specific Conductivity	Millisiemens per centimeter	0.117 – 1.822			
Oxidation-Reduction Potential	Millivolts	-77.9 – 202.5			
Dissolved Oxygen	Milligrams per liter	0.28 - 8.93			
Temperature	Degrees Celsius	5.52 – 14.38			

As shown above and in Table 4, none of the groundwater samples extracted from the monitoring wells in this sampling event had turbidity levels greater than the target level of 50 NTU upon stabilization. These results indicate that the sampling and measurement procedures utilized during this sampling event were effective in obtaining representative groundwater samples with low turbidity.

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The collected groundwater samples were submitted to SGS Environmental Services, Inc. of Wilmington, North Carolina (SGS) for laboratory analysis. For the groundwater samples that were monitored for compliance with the GW-3 standards, the samples were submitted for analysis of one or more of the following constituents using the associated EPA methods:

Constituent	EPA Method			
VOCs	8260B			
SVOCs	8270C			
PCBs (Filtered Samples)	8082			
Metals (Filtered Samples)	6010B, 7000A, and 7470A			
Physiologically Available Cyanide (Filtered Samples)	9014/MDEP PAC Protocol			

For the groundwater samples collected from wells which were analyzed for VOCs solely for compliance with the GW-2 standards, the samples were submitted for analysis of the VOCs listed in GE's FSP/QAPP, as well as five compounds listed as SVOCs in the FSP/QAPP (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene). The VOCs and five SVOCs were analyzed using EPA Method 8260B in accordance with a letter from GE to EPA dated September 28, 2001. As discussed below in Section 4.3.1, a new GW-2 standard for PCBs went into effect on February 14, 2008, and six of the wells that were designated as both GW-2 and GW-3 wells were wells at which PCBs were analyzed as part of the GW-3 monitoring component of the interim groundwater quality program. The PCB results from those wells were also compared to the new GW-2 standard, as discussed in Section 4.3.1 below. However, as well LSSC-16S was monitored solely for compliance with GW-2 standards (and not for compliance with GW-3 standards), it was not monitored for PCBs in spring 2008 because an approach to address PCBs in GW-2 groundwater at GMA 1 was not established at the time of sampling. In Section 5.2 below, GE discusses the need to evaluate GW-2 wells for PCBs, based on promulgation of the new GW-2 PCB standard.

Following receipt of the analytical data from the laboratory, the preliminary results were reviewed for completeness and compared to the Massachusetts Contingency Plan (MCP) Method 1 GW-2 (where applicable) and GW-3 standards, and to the MCP Upper Concentration Limits (UCLs) for groundwater. The preliminary analytical results were presented in the next monthly report on overall activities at the GE-Pittsfield/Housatonic River Site.

The data were validated in accordance with the FSP/QAPP and the validated results were utilized in the preparation of this report. As discussed in the validation report provided as Appendix D, 99.9% of the spring 2008 groundwater quality data are considered to be

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useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The SVOC, PCB, and inorganic sample results were found to be 100% usable. VOC sample results were found to be 99.9% usable. The only rejected data was one VOC sample result where the 2-chloroethylvinylether data was rejected due to MS/MSD recovery deviations. The validated analytical results are summarized in Section 3 and discussed in Section 4 below.

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#### 3. Spring 2008 Groundwater Analytical Results

#### 3.1 General

A description of the spring 2008 groundwater analytical results is presented in this section. The complete analytical data sets are summarized in Appendix B. Tables 5and 6 provide a comparison of the concentrations of all detected constituents with the currently applicable groundwater quality Performance Standards established in the CD and SOW, while Table 7 presents a comparison of the concentrations of detected constituents with the UCLs for groundwater. An assessment of these results relative to those groundwater quality Performance Standards and the UCLs is provided in Section 4.

#### 3.2 Groundwater Sample Results

The following paragraphs provide an overview of the spring 2008 analytical results from the GMA 1 groundwater quality monitoring wells for each constituent group that was analyzed.

#### 3.2.1 VOC Results

Nine groundwater samples were analyzed for VOCs during the spring 2008 sampling event. The VOC analytical results are summarized in Table 7 and Table B-1 of Appendix B. No VOCs were detected in three of the groundwater samples (wells 72R, GMA1-6 and GMA1-27), while 17 individual VOCs were observed in the remaining samples. Where VOCs were detected, total VOC concentrations ranged from an estimated concentration of 0.00017 ppm (at well GMA1-25) to an estimated concentration of 0.21 ppm (at well ESA2S-64). The most frequently observed VOCs were benzene and toluene (each detected at four monitoring locations), while 1,1-dichloroethane was observed in three groundwater samples. All detected VOC concentrations were well below the applicable Method 1 GW-2 and GW-3 standards.

#### 3.2.2 SVOC Results

Groundwater samples collected from two monitoring wells (wells GMA1-25 and GMA1-27) were analyzed for the full Appendix IX+3 list of SVOCs during the spring 2008 sampling event. No SVOCs were detected at either sampling location.

In addition, samples from three other wells were analyzed for five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene), as discussed in Section 2.3. No SVOCs were detected in two of these wells (72R and LSSC-16), while one SVOC (1,4-dichlorobenzene) was detected at an estimated concentration in well GMA1-6 below the applicable Method 1 GW-2 and GW-3 standards. The SVOC analytical results are summarized in Table 7 and Table B-1 of Appendix B.

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#### 3.2.3 PCB Results

Filtered groundwater samples from eighteen monitoring wells were analyzed for PCBs as part of the spring 2008 sampling event. The PCB analytical results are summarized in Table 7 and Table B-1 of Appendix B. There were no PCBs detected in any of the groundwater samples analyzed during this sampling event.

#### 3.2.4 Inorganic Constituent Results

Filtered groundwater samples were obtained from one monitoring well (72R) and submitted for analysis of inorganic constituents (metals and physiologically available cyanide) during the spring 2008 sampling event. The analytical results for these analyses are summarized in Table 7 and Table B-1 of Appendix B.

Two inorganic constituents (beryllium and thallium) were detected in the spring 2008 samples from well 72R. Physiologically available cyanide was not detected in the sample, consistent with all prior sampling rounds where this analysis was conducted. All detected inorganic constituent concentrations were below the applicable MCP Method 1 GW-3 standards.

#### 3.3 Adjacent MCP Disposal Site Monitoring Results

As mentioned above in Section 1.2, the O'Connell East Street Mobil Station site (MDEP Site No. 1-13347, also referred to as the "East Street Mobil Site") is located on adjacent property near the northern edge of the Lyman Street Area. GE understands that this site is currently being addressed by O'Connell Oil Associates, Inc. to satisfy the requirements of Massachusetts General Laws Chapter 21-E and the MCP. Available documentation indicates that soluble-phase contaminants related to gasoline releases from the East Street Mobil Site have been documented upgradient of GMA 1.

GE is required to include available monitoring results from response actions performed at this adjacent site in the groundwater monitoring reports for GMA 1, to the extent that information is available to GE. To fulfill this requirement, GE conducted a file search at MDEP on July 9, 2008 to review any reports that have been placed on file at MDEP regarding this site since the prior file search was conducted and reported in the Fall 2007 GMA 1 Groundwater Quality Report. Four documents pertaining to groundwater investigations and response actions at the East Street Mobil Site have been added to the MDEP files since the fall 2007 file search. Those documents include:

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- Notice of Audit Finding and Notice of Noncompliance (MDEP; September 26, 2007)
- Revised Remedy Operation Status Opinion (ECS, December 26, 2007)
- Post Audit Completion Report (ECS, December 26, 2007)
- Remedy Operation Status Inspection and Monitoring Report (ECS, April 4, 2008)

A site map and pertinent monitoring results from the most recent report reviewed for the East Street Mobil Site (i.e., the April 4, 2008 Remedy Operation Status Inspection and Monitoring Report) are provided in Appendix E. That report describes the effectiveness of the oxygen sparging system activated at the site on September 11, 2006 and the results of the two most recent groundwater sampling events conducted in October 2007 and March 2008. The oxygen sparging monitoring data are provided in Appendix E and indicated an increase in dissolved oxygen in wells downgradient of the source area.

The October 2007 groundwater sampling results indicated that the concentrations of target analytes and VPH carbon fractions detected in groundwater from the sampled wells sampled were below the applicable GW-2 or GW-3 groundwater standards. No concentration of VPH carbon fractions or target analytes were present above the RDLs (Reportable Detection Limits) in groundwater from wells both upgradient and downgradient of the site.

Based on the general trend of decreasing concentrations of dissolved phase gasoline constituents to levels below the applicable GW-2 and GW-3 groundwater standards, the oxygen sparging system was shut down on February 11, 2008 to evaluate if remediation goals were met and groundwater conditions remained stable. Groundwater sampling was conducted in March 2008 to evaluate the groundwater response to the oxygen sparging system shutdown. The results of the March 2008 monitoring showed that although the concentrations of certain constituents slightly increased at specific wells compared to the October 2007 sampling round, those concentrations were still well below the applicable GW-2 and GW-3 standards.

GMA 1 monitoring wells MW-4R and LSSC-16S are GW-2 monitoring points located downgradient from the East Street Mobil Site that were sampled during the spring 2008 sampling event and analyzed for VOCs (see Appendix B), including BTEX (benzene, toluene, ethylbenzene, and xylene). No BTEX constituents were detected in well LSSC-16S during the spring 2008 sampling event. Benzene was the only BTEX constituent detected in well MW-4R, at a concentration (0.0042 ppm) well below the MCP GW-2 Standard of 2 ppm for benzene.

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Based on these results, it appears that the prior groundwater quality exceedances attributed to the East Street Mobil Site were confined to that site and appear to have been addressed by the remedial actions performed at that site, including the operation of a groundwater remediation system. As such, no additional actions beyond a continuation of the ongoing groundwater quality program at GMA 1 appear to be warranted to assess potential impacts to GMA 1 related to the East Street Mobil Site. GE will continue to review and assess the results from the East Street Mobil Site and downgradient areas within GMA 1 and will provide updates in future groundwater quality monitoring reports.

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#### 4. Overall Assessment of Groundwater Analytical Results

#### 4.1 General

This report constitutes the ninth interim/supplemental groundwater quality monitoring report for GMA 1, and is the thirteenth groundwater quality monitoring report submitted since commencement of the baseline groundwater quality monitoring program at GMA 1. The information presented herein is based on the laboratory results obtained during the spring 2008 groundwater sampling event, supplemented with historical groundwater analytical data when applicable.

#### 4.2 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 1 are set forth in Section 2.7 and Attachment H (Section 4.1) of the SOW. In general, the Performance Standards for groundwater quality are based on the groundwater classification categories designated in the MCP. The MCP identifies three potential groundwater categories that may be applicable to a given site. One of these, GW-1 groundwater, applies to groundwater that is a current or potential source of potable drinking water. None of the groundwater at any of the GMAs at the Site is classified as GW-1. However, the remaining MCP groundwater categories are applicable to GMA 1 and are described below:

- GW-2 groundwater is defined as groundwater that is a potential source of vapors to the
  indoor air of buildings. Groundwater is classified as GW-2 if it is located within 30 feet
  of an existing occupied building and has an average annual depth to groundwater of 15
  feet or less. Under the MCP, certain constituents present within GW-2 groundwater
  represent a potential source of vapors to the indoor air of the overlying occupied
  structures.
- GW-3 groundwater is defined as groundwater that discharges to surface water. By MCP definition, all groundwater at a site is classified as GW-3 since it is considered to be ultimately discharged to surface water. It should be noted that some groundwater within GMA 1 does not in fact discharge directly to surface water because of the operation of numerous groundwater pumping systems. Water extracted from these systems is transferred to an on-site treatment plant for processing prior to discharge. Nevertheless, in accordance with the CD and SOW, all groundwater at GMA 1 is considered as GW-3.

The CD and the SOW allow for the establishment of standards for GW-2 and GW-3 groundwater at the GMAs through use of one of three methods, as generally described in the MCP. The first, known as Method 1, consists of the application of pre-established numerical "Method 1" standards set forth in the MCP for both GW-2 and GW-3 groundwater (310 CMR 40.0974). These "default" standards have been developed to be conservative

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and will serve as the initial basis for evaluating groundwater at GMA 1. The current MCP Method 1 GW-2 and GW-3 standards for the constituents detected in the fall 2007 sampling event are listed in Tables 5 and 6, respectively. (In the event of any discrepancy between the standards listed in these tables and those published in the MCP, the latter will be controlling.) For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards. Of course, whichever method is used to establish such groundwater standards, GW-2 standards will be applied to GW-2 groundwater and GW-3 standards will be applied to GW-3 groundwater.

On February 14, 2008 MDEP implemented revised Method 1 numerical standards for a number of constituents in groundwater, and this report constitutes the first report at this GMA for which those standards will be used.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 1 consist of the following:

- At monitoring wells designated as compliance points to assess GW-2 groundwater (i.e., groundwater located at an average depth of 15 feet or less from the ground surface and within 30 feet of an existing occupied building), groundwater quality shall achieve any of the following:
  - a) the Method 1 GW-2 groundwater standards set forth in the MCP (or, for constituents for which no such standards exist, Method 2 GW-2 standards once developed, unless GE provides and EPA approves a rationale for not developing such Method 2 standards);
  - alternative risk-based GW-2 standards developed by GE and approved by EPA as
    protective against unacceptable risks due to volatilization and transport of volatile
    chemicals from groundwater to the indoor air of nearby occupied buildings; or

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- c) a condition, based on a demonstration approved by EPA, in which constituents in the groundwater do not pose an unacceptable risk to occupants of nearby occupied buildings via volatilization and transport to the indoor air of such buildings.
- 2. Groundwater quality shall ultimately achieve the following standards at the perimeter monitoring wells designated as compliance points for GW-3 standards:
  - a) the Method 1 GW-3 groundwater standards set forth in the MCP (or, for constituents for which no such standards exist, Method 2 GW-3 standards once developed, unless GE provides and EPA approves a rationale for not developing such Method 2 standards); or
  - alternative risk-based GW-3 standards proposed by GE and approved by EPA as protective against unacceptable risks in surface water due to potential migration of constituents in groundwater.

These Performance Standards are to be applied to the results of the individual monitoring wells included in the monitoring program. Several monitoring wells have been designated as the compliance points for attainment of the Performance Standards identified above. These wells were initially identified in the GMA 1 Baseline Monitoring Proposal (although certain modifications were made subsequent to submittal of that proposal as a result of EPA approval conditions, findings during field reconnaissance of the selected wells, or replacement of certain wells during the course of the baseline monitoring program). As described above in Section 2.3, only selected wells were sampled in spring 2008.

#### 4.3 Groundwater Quality - Spring 2008

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the spring 2008 groundwater sampling event were compared to the applicable groundwater Performance Standards for GMA 1. These Performance Standards are described in Section 4.2 above, and are currently based (on a well-specific basis) on the MCP Method 1 GW-2 and/or GW-3 standards. The following subsections discuss the spring 2008 groundwater analytical results in relation to these Performance Standards, as well as in relation to the MCP UCLs for groundwater. In support of those discussions, Tables 5 and 6 provide a comparison of the concentrations of detected constituents with the currently applicable GW-2 and GW-3 standards, respectively, while Table 7 presents a comparison of the concentrations of detected constituents with the groundwater UCLs.

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#### 4.3.1 Spring 2008 Groundwater Results Relative to GW-2 Performance Standards

As part of the spring 2008 program, groundwater samples were collected from five wells designated as GW-2 monitoring locations that were scheduled to be sampled for the GW-2 VOC list (i.e., specifically wells 72R, GMA1-6, LSSC-16S, GMA1-25, and GMA1-27). Four of these wells (i.e., wells 72R, GMA1-6, GMA1-25, and GMA1-27) were also sampled and analyzed for PCBs, for which an associated GW-2 standard was promulgated by MDEP in February 2008. In addition, wells 139R and GMA1-18 are also designated as GW-2/GW-3 monitoring locations, and these wells were only scheduled for sampling and analysis for PCBs under this interim monitoring program due to their GW-3 designation. Therefore, in light of the new MCP Method 1 GW-2 standard for PCBs, a comparison of the filtered PCB results from these wells to the new GW-2 PCB standard was also performed. As discussed in Section 2.3, well ESA1N-52, an additional GW-2/GW-3 monitoring well that was scheduled for sampling and analysis for PCBs, was unable to be sampled in spring 2008.

The spring 2008 groundwater analytical results for all detected constituents subject to MCP Method 1 GW-2 standards and a comparison of those results with the applicable MCP Method 1 GW-2 Standards are presented in Table 5. As shown in Table 5, none of the spring 2008 sample concentrations from the GW-2 monitoring wells sampled for VOCs (including wells GMA1-25 and GMA1-27 required to be sampled pursuant to EPA's October 10, 2007 conditional approval letter) was above the corresponding GW-2 Performance Standard and no PCBs were detected in any of the GW-2 monitoring wells. In addition, none of the GW-2 wells sampled for VOCs exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells located within 30 feet of a school or occupied residential structure and as a trigger level for the proposal of interim response actions). These results are consistent with the available results from prior sampling events.

#### 4.3.2 Spring 2008 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from 22 of the 23 wells designated for GW-3 monitoring (all wells except well ESA1N-52, as discussed in Section 2.3) that were scheduled to be sampled during the spring 2008 interim sampling event. The spring 2008 groundwater analytical results for all constituents detected in GW-3 monitoring wells and a comparison of those results with the applicable MCP Method 1 GW-3 standards are presented in Table 6. Although that table provides a comparison of the spring 2008 analytical results from the 22 GW-3 monitoring wells that were sampled in spring 2008, only 12 of those wells (i.e., the downgradient GW-3 perimeter wells as identified in Table 1) have been designated as compliance points for the GW-3 standards.

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The comparisons set forth in Table 6 show that no constituents were found at levels above their respective MCP Method 1 GW-3 standards in groundwater samples collected in spring 2008. It should be noted that the MCP GW-3 standard for PCBs was increased from 0.0003 ppm to 0.01 ppm as part of the February 14, 2008 revisions. Although no PCBs were detected in any filtered samples analyzed in spring 2008, all prior results from GMA 1 that were recorded as exceedances of the prior standard are below the new standard of 0.01 ppm (except for one sample from Well E2CC-23 from spring 2004, which appears to have been anomalous).

#### 4.3.3 Spring 2008 Comparison to Upper Concentration Limits

In addition to comparing the spring 2008 groundwater analytical results with applicable MCP Method 1 GW-2 and GW-3 standards, the analytical results from all 22 wells that were sampled were compared with the UCLs for groundwater specified in the MCP (310 CMR 40.0996(7)). As shown in Table 7, none of the groundwater samples collected in spring 2008 contained constituent concentrations greater than any of the listed UCLs for groundwater.

#### 4.4 Overall Assessment of Groundwater Analytical Results

Graphs illustrating historical total VOC concentrations and filtered PCB concentrations for all wells sampled in spring 2008 that have been previously sampled and analyzed for those constituents are presented in Appendix C. In addition, Appendix C contains graphs of historical concentrations of individual constituents that exceeded the applicable MCP Method 1 GW-3 standards or UCLs during any of the prior baseline monitoring program sampling events at GW-3 monitoring wells that were analyzed for those constituents in spring 2008. Because no exceedances of the MCP Method 1 GW-2 standards have been documented at the GW-2 monitoring wells during the baseline and interim monitoring programs, no graphs have been prepared for individual VOCs based on comparisons to the GW-2 criteria.

A review of the graphs contained in Appendix C, as well as historical data from the GMA 1 wells, indicates that the concentrations of most constituents has decreased or remained relatively stable at low levels during the baseline monitoring period, and showed a general decrease in spring 2008. The concentrations of chlorobenzene at wells 3-6C-EB-14 and ES2-02A, each of which has exhibited exceedances of the MCP GW-3 standard in the past, were non-detect in spring 2008. Although the PCB data show no clear trend at most locations, the spring 2008 PCB concentrations were non-detect at every monitoring well analyzed for this constituent.

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The SOW requires that interim response actions must be proposed for baseline sampling results which exceed Method 1 GW-3 standards at downgradient perimeter monitoring wells, in which: (a) such an exceedance had not previously been detected, or (b) there was a previous exceedance of the Method 1 GW-3 standard and the groundwater concentration is greater than or equal to 100 times the GW-3 standard (if the exceedance was not previously addressed). These interim response actions may include: (1) further assessment activities, such as resampling, increasing the sampling frequency to quarterly, additional well installation, and/or continuing the baseline monitoring program; (2) active response actions; and/or (3) the conduct of a site-specific risk evaluation and proposal of alternative risk-based GW-3 Performance Standards. Since no applicable standards were exceeded in the spring 2008 samples, no interim response actions are proposed. However, as discussed in Section 5 below, several modifications to the interim groundwater quality monitoring program are proposed based on GE's assessment of the historical groundwater data at GMA 1 relative to the revised MCP groundwater standards.

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# 5. Proposed Monitoring Program Modifications and Schedule of Future Activities

#### 5.1 General

In spring 2004, GE initiated the interim groundwater quality monitoring program to be conducted until completion of the soil-related Removal Actions at the RAAs that comprise GMA 1. The interim monitoring program is designed to obtain additional data from locations where it is not yet clear whether the initial baseline groundwater quality results indicate that the well may require future monitoring in a long-term monitoring program.

This section contains GE's evaluation of the effect on the interim groundwater quality monitoring program of the recent revisions to the MCP Method 1 standards and UCLs for groundwater that became effective on February 14, 2008, and a description of GE's proposed modifications to the monitoring program. In light of the new standards, GE has re-evaluated the analytical results from the baseline and interim monitoring program to determine whether, and, if so, how the new Performance Standards should alter the wells and/or parameters included in the interim monitoring program. GE has also reviewed the groundwater analytical data from the spring 2008 interim sampling event for results that, independent of the changes in standards, would indicate the need to modify the interim monitoring program. The results of that evaluation and resulting proposed program modifications are discussed in Section 5.2 below. This section also summarizes the schedule for upcoming interim monitoring events and associated reporting activities.

#### 5.2 Evaluation and Proposed Modifications to Interim Monitoring Program

In the Spring 2003 GMA 1 Groundwater Quality Report, GE presented an evaluation of the baseline monitoring results from GMA 1 and proposed to retain certain wells for selected analyses in the interim monitoring program to provide additional data to assist in the determination of whether long-term monitoring would be necessary. Generally speaking, wells that contained constituent concentrations near the values of the future Performance Standards (i.e., average concentrations ranging from greater than 50% of an applicable MCP Method 1 Standard to slightly above the standard) were retained for interim monitoring. In addition, selected wells/analyses were added to the interim monitoring program regardless of constituent concentrations relative to standards based on their location in areas of interest (e.g., adjacent to known source areas and upgradient from occupied buildings), or if constituent concentrations exhibited an increasing trend during the course of baseline monitoring. Groundwater quality monitoring was proposed to be discontinued at locations where constituent concentrations were well below the applicable MCP Method 1 Standards and at locations where concentrations consistently exceeded the standards, as it was apparent that such locations either would not or would be included in a long-term monitoring program.

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Following revisions to the MCP that became effective on April 3, 2006, GE repeated that evaluation, comparing all baseline and interim groundwater quality data to the new ("Wave 2") MCP Method 1 Standards. Based on the same inclusion criteria utilized in spring 2003 at GMA 1 (and at the other GMAs once their two-year baseline monitoring periods expired), GE's assessment indicated that certain baseline wells that were previously excluded from the interim monitoring program based on historical concentrations of certain constituents that were above the levels of the previously-effective MCP Method 1 standards either were much closer to the MCP Method 1 standards, such that interim monitoring was warranted to assess the need for inclusion of these locations in a long-term monitoring program, or were sufficiently below the MCP Method 1 standards such that further monitoring was not considered necessary. GE's assessment also indicated that certain wells previously included in the interim monitoring program based on historical concentrations of certain constituents near the levels of the prior MCP Method 1 standards were no longer of interest based on an increase in those standards. In the Spring 2006 GMA 1 Groundwater Quality Report, GE identified several locations that should be added to or removed from the interim monitoring program and proposed to modify the interim monitoring program accordingly. Following EPA conditional approval of those modifications, GE implemented the revised interim monitoring program.

In light of the recent revisions to the MCP that became effective on February 14, 2008, GE has performed a similar evaluation to that conducted in 2006. Specifically, GE initially researched the GMA 1 database for any baseline analytical results where constituent concentrations of at least 50% of an applicable MCP Method 1 Standard were recorded. In addition, based on discussions with EPA indicating that the low-range guidance values developed for cobalt and copper in the May 14, 2008 *Groundwater Management Area 2 Long-Term Monitoring Program Addendum to Monitoring Event Evaluation Report for Fall 2007* may be implemented as Method 2 GW-3 standards at all of the GE-Pittsfield GMAs, GE has utilized those guidance values in its evaluations of the existing cobalt and copper analytical data at GMA 1. Any such locations/results were selected for further evaluation, consisting of a statistical evaluation of the constituents at each location, calculation of average concentrations, and a general review of concentrations over time to determine if an increasing trend may be present. Tables C-1 through C-8 in Appendix C present the statistical summaries for selected wells and constituents where modifications to the interim monitoring program are proposed based on these evaluations.

As in 2006, GE has identified several locations that should be added to or removed from the interim monitoring program and therefore proposes to modify the interim monitoring program. These modifications are discussed below. In particular, the modification of the Method 1 GW-3 standard for PCBs (from 0.0003 ppm to 0.010 ppm) has reduced the uncertainty of whether long-term monitoring for PCBs will be necessary to demonstrate compliance with the new GW-3 standard and a corresponding reduction in the GW-3 monitoring wells to be analyzed for PCBs during the interim monitoring program is proposed below.

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In addition, as a new Method 1 GW-2 standard for PCBs has been promulgated in the 2008 MCP revision, GE evaluated the existing data from the GW-2 wells at GMA 1 to determine if additional sampling would be required to verify compliance with this new standard. As agreed with EPA, GE used filtered PCB results for this comparison. GE found that the existing PCB database for several dual-purpose GW-2/GW-3 monitoring wells was sufficient, but that the wells monitored solely for GW-2 compliance were not analyzed for PCBs during the baseline monitoring program, since no GW-2 standard for PCBs was in effect at the time the sampling was performed. As such, GE has proposed to conduct additional sampling for PCBs at those locations, as discussed below.

A summary of the proposed interim sampling program for GMA 1 is provided in Table 8, and the locations where sampling is proposed are illustrated on Figure 4. Specifically, GE proposes to:

- Remove well MW-4R from interim monitoring for VOCs. This well, which is a
  replacement for well MW-4, was included in the interim monitoring program to assess
  discrepancies in certain data between the replacement well and the original. Five
  sampling events for VOCs have been conducted at well MW-4R and all results have
  been well below the applicable GW-3 standards. As such, no additional sampling is
  proposed at this well.
- Remove well 72R from interim monitoring for cyanide. Interim sampling for cyanide has been performed at this well as a substitute for well ESA1S-33, where an isolated exceedance of the MCP Method 1 GW-3 standard for cyanide was recorded in a sampled analyzed for total cyanide in fall 2003. Total cyanide concentrations in filtered samples from well 72R were well below the GW-3 during all sampling events conducted at this well. In addition, no physiologically available cyanide has been detected at this well during four sampling rounds conducted since the implementation of that analysis in fall 2005. As such, additional monitoring for cyanide is no longer needed at this location. This well will continue to be sampled on an interim basis and analyzed for VOCs (plus five SVOCs), PCBs, and metals.

For PCBs, the interim monitoring program is proposed to be modified based upon two revisions to the Method 1 standards: (1) an increase of the Method 1 GW-3 standard from 0.0003 ppm to 0.010 ppm; and (2) a new Method 1 GW-2 standard of 0.005 ppm. Based on those changes, GE proposes the following modifications to the interim monitoring program relative to PCBs:

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- Average filtered PCB concentrations are well below the new MCP GW-3 standard (and below the GW-2 standard, where applicable) at all of the wells that are currently analyzed for PCBs under the interim monitoring program. As such, GE proposes that PCB analyses be discontinued at nine of these locations. These nine wells are wells 139R, ES1-27R, ESA1N-52, GMA1-13, GMA1-18, HR-G1-MW-3, LS-29, N2SC-07S, and RF-2.
- Although the average PCB concentrations are also below the applicable standards at wells E2SC-23, E2SC-24, LSSC-08S, LSSC-18, and GMA1-6, GE proposes to continue to analyze these five locations for PCBs on an annual based upon their locations relative to the East Street Area 2-South and Lyman Street sheetpile containment barriers and the East Street Area 1-South LNAPL recovery system, respectively.
- Average filtered PCB concentrations at well ESA2S-52 were greater than the former MCP GW-3 standard and additional PCB analyses at this well were previously deferred to the long-term monitoring program. However, that average concentration is well below the revised MCP Method 1 GW-3 groundwater standard for this constituent, but the reported concentrations showed a possible increase during the baseline monitoring program to a level of almost 50% of the revised standard. Therefore, GE proposes that annual interim sampling and analysis for PCBs be initiated at this well to assess this potential trend.
- For all dual-purpose GW-2/GW-3 monitoring wells, sufficient historical PCB data (i.e., at least four sampling events) exists to evaluate the wells against the new MCP GW-2 standard for PCBs. All filtered PCB concentrations from these locations are well below this new standard and no additional PCB sampling is proposed based on the promulgation of the GW-2 standard at these wells. However, PCB sampling is proposed at 14 of the 15 GW-2 monitoring wells that were sampled solely for VOCs during the baseline monitoring program. These wells are: 17A, 37R, 95-20, 95-25, A7, ES1-10, ES1-18, ES2-19, F-1, GMA1-4, GMA1-13, LSSC-16S, MM-1, and MW-3R. Well GMA1-2 was a GW-2 monitoring well in the 30s Complex that was removed during building demolition activities in that area. Since there are currently no buildings in this area and nearby GW-2 wells GMA1-3 and ES2-19 are proposed to be sampled for PCBs, GE does not propose the installation of a replacement well for PCB analyses at this location.

The wells proposed to be sampled and analyzed for PCBs for comparison to the new GW-2 standard are proposed to be sampled on a semi-annual basis until four sets of PCB data have been collected. At that time, GE will evaluate the data and propose whether to discontinue additional sampling or to add the well to the ongoing interim or long-term monitoring program at GMA 1. As agreed with EPA, GE will analyze filtered groundwater samples for comparison with the GW-2 standard.

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Finally, as noted in Table 1, well GMA1-25 is angled at the ground surface such that a bladder pump could not be inserted to collect groundwater samples. This condition was also noted during the fall 2007 sampling event, and GE utilized a peristaltic pump to collect the required samples during those two sampling events. Condition 2 of EPA's April 8, 2008 conditional approval letter noted that this well was one of the locations where elevated pH readings were recorded in fall 2007 and required GE to investigate the reasons that a bladder pump could not be utilized at this well and to propose corrective actions if the damage is to an extent that collection of representative groundwater samples is compromised. As also noted by EPA in its April 8, 2008 letter, it appears that this well was struck by equipment during placement of the engineered barrier at Newell Street Area II in June 2006. The damage is limited to a slight bend in the above grade portion of the well and protective casing such that the well alignment does not allow the 2-foot long bladder pump intake to pass through. The pH assessment conducted prior to the spring 2008 sampling event, as well as pH values observed during the sampling event (stabilized pH of 7.04), indicate that the elevated fall 2007 pH reading was anomalous and that the well is still capable of producing representative groundwater samples. Furthermore, the low turbidity of the spring 2008 groundwater samples (3 NTU) provides an additional indication that the well casing or screen has not been compromised, since filter pack or surrounding materials entering the well would be anticipated to increase the turbidity of the groundwater within the well. As such, GE proposes that this well continue to be utilized for the final two required sampling rounds, but that a peristaltic pump rather than a bladder pump be used to collect the groundwater samples.

The modifications to the annual interim sampling program discussed above are proposed to be implemented during the next annual interim sampling event in fall 2009, while the semi-annual analysis for PCBs at selected GW-2 monitoring wells is proposed to be initiated in fall 2008. Additional details on the sampling and reporting schedule at GMA 1 are provided below.

#### 5.3 Field Activities Schedule

GE will conduct the fall 2008 interim groundwater sampling event at GMA 1 in October 2008, in conjunction with groundwater sampling activities that will be performed at the other GMAs. Pursuant to EPA's October 10, 2007 conditional approval letter, the fall 2008 interim sampling event will include the third round of semi-annual sampling of wells GMA1-25 and GMA1-27 and analysis of those samples for VOCs, SVOCs, and filtered PCBs. That sampling event will also include the initial semi-annual sampling and analysis of filtered samples for PCBs at the GW-2 monitoring locations where compliance with the new MCP Method 1 GW-2 standard for PCBs was not verified during the initial baseline monitoring program (see Table 8). Approximately one month prior to that sampling event, GE will inspect and re-develop selected GW-2 monitoring wells that have not recently been utilized as part of the interim monitoring program.

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Consistent with the schedule as approved by EPA, the interim sampling events alternate between spring and fall schedules until a long-term groundwater quality monitoring program is implemented at GMA 1. Therefore, the next full interim sampling event will not be conducted until fall 2009. The group of wells scheduled for semi-annual sampling discussed above will also be sampled in spring 2009.

The fall 2008 semi-annual groundwater elevation and NAPL monitoring event will also be conducted in October 2008 at all wells included in the GMA 1 NAPL monitoring program. Results from that monitoring event will be incorporated into the next groundwater quality monitoring report for GMA 1.

Prior to performance of these activities, GE will provide EPA with 7 days advance notice to allow the assignment of field oversight personnel.

#### 5.4 Reporting Schedule

GE will continue to provide the results of preliminary groundwater analytical data in its monthly reports on overall activities at the GE-Pittsfield/Housatonic River Site.

GE will submit the Fall 2008 Interim Groundwater Quality Report for GMA 1 by January 31, 2009, in accordance with the reporting schedule approved by EPA. That report will present the final, validated fall 2008 interim sampling results and a brief discussion of the results, including any proposals to further modify the interim monitoring program, if necessary. GE will also include an updated summary of available groundwater monitoring results and analytical data collected at the adjacent East Street Mobil Site, to the extent that such information is available to GE.

Subsequent annual interim Groundwater Quality Reports for GMA 1 will be submitted by January 31 where sampling activities were performed in the prior fall, or by July 31 where sampling activities were performed in the prior spring.

**Tables** 

Table 1
Spring 2008 Interim Groundwater Quality Monitoring Wells
Plant Site 1 Groundwater Management Area

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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Well Number Monitoring Well Usage		Sampling Schedule	Spring 2008 Analyses <sup>(3)</sup>	Comments						
RAA 1 - 40s COMPLEX										
No interim gro	No interim groundwater quality monitoring scheduled to be performed in this RAA.									
RAA 2 - 30s COMP	LEX									
RF-02	GW-3 Perimeter (Downgradient)	Annual (1)	PCB							
RAA 3 - 20s COMP	LEX									
No interim gro	oundwater quality monitoring schedu	uled to be performe	ed in this RAA.							
RAA 4 - EAST STR	EET AREA 2-SOUTH									
3-6C-EB-14	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	VOC/ PCB							
GMA1-13	GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	PCB							
E2SC-23	GW-3 Perimeter (Downgradient)	Annual (1)	PCB							
E2SC-24	GW-3 Perimeter (Downgradient)	Annual (1)	PCB							
ES2-02A	GW-3 Perimeter (Downgradient)	Annual (1)	VOC							
ESA2S-64	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	VOC							
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	РСВ							
RAA 5 - EAST STREET AREA 2-NORTH										
ES1-05	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	PCB							
ES1-27R	GW-3 General/ Source Area Sentinel	Annual <sup>(1)</sup>	PCB							

Table 1
Spring 2008 Interim Groundwater Quality Monitoring Wells
Plant Site 1 Groundwater Management Area

Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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Well Number Monitoring Well Usage		Sampling Schedule	Spring 2008 Analyses <sup>(3)</sup>	Comments					
RAA 6 - EAST STREET AREA 1-NORTH									
ESA1N-52	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	РСВ	Unable to sample due to sediment build-up in well.					
RAA 12 - LYMAN S	TREET AREA								
LS-29	GW-3 General/Source Area Sentinel	Annual (1)	PCB						
LS-MW-4R	GW-3 Perimeter	Annual <sup>(1)</sup>	VOC						
LSSC-08S	GW-3 Perimeter (Downgradient)	Annual (1)	PCB						
LSSC-16S	GW-2 Sentinel	Annual (1)	VOC (+5 SVOC)						
LSSC-18	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	РСВ						
RAA 13 - NEWELL	STREET AREA II								
GMA1-25	GW-2 Sentinel/ GW-3 Perimeter (Upgradient)	Semi-annual <sup>(2)</sup>	VOC/SVOC/PCB	Well damaged or installed at an angle such that a bladder pump could not be lowered into well. Peristaltic pump utilized for sample collection.					
GMA1-27	GW-2 Sentinel/ GW-3 Perimeter (Upgradient)	Semi-annual <sup>(2)</sup>	VOC/SVOC/PCB						
N2SC-07S	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	PCB						
RAA 14 - NEWELL STREET AREA I  No interim groundwater quality monitoring scheduled to be performed in this RAA.									

G:\GE\GE\_Pittsfield\_CD\_GMA\_1\Reports and Presentations\Spring 2008 GW Qual Rpt\ 281811324Tbls 1234.xlsTable 1

Table 1
Spring 2008 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2008 Analyses <sup>(3)</sup>	Comments
RAA 18 - EAST ST	REET AREA 1 SOUTH			
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	VOC (+5 SVOC)/ PCB/Cyanide/Metals	
139R	GW-2 Sentinel/ GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	РСВ	
GMA1-6	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	VOC(+5 SVOC)/ PCB	
GMA1-18	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	РСВ	

#### NOTES:

- 1. The wells scheduled for annual groundwater quality sampling are sampled for the listed parameters during the interim period between the completion of the baseline monitoring program and the initiation of a long-term monitoring program. The sampling schedule alternates between the spring and fall seasons each year, beginning with spring 2004.
- 2. Wells GMA1-25 and GMA1-27 were added to the interim monitoring program in fall 2007 and are scheduled for four semi-annual rounds of groundwater quality sampling for the listed parameters, after which the needs for additional sampling during the interim period or as part of a long-term monitoring program will be assessed.
- 3. All analyses for PCB, metals, and cyanide conducted under the annual interim monitoring program are performed on filtered samples only.

Table 2
Monitoring Well Construction

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

			Well	Ground Surface	Measuring Point	Depth to Top of	Screen	Top of Screen	Base of Screen
Well Number	Survey Co	oordinates	Diameter	Elevation	Elevation	Screen	Length	Elevation	Elevation
	Northing	Easting	(inches)	(feet AMSL)	(feet AMSL)	(feet BGS)	(feet)	(feet AMSL)	(feet AMSL)
RAA 2 - 30s Com	plex								
RF-02	533507.3	131111.2	4	983.4	982.43	3.0	15.0	980.4	965.4
RAA 4 - East Stre	eet Area 2-Sou	th							
3-6C-EB-14	532899.3	132125.0	2	984.68	984.20	12	9.5	972.7	963.2
E2SC-23	533344.4	133132.7	2	990.1	992.07	9.0	10.0	981.1	971.1
E2SC-24	533535.5	133544.4	2	986.0	987.90	9.0	10.0	977.0	967.0
ES2-02A	533023.6	132497.9	2	980.2	979.63	3.0	15.0	977.2	962.2
ESA2S-64	533152.1	132820.0	2	985.1	984.98	7.0	15.0	978.1	963.1
GMA1-13	533785.7	133705.2	2	989.5	991.41	15.0	10.0	974.5	964.5
HR-G3-MW-1	532900.3	132455.1	2	980.3	982.45	4.1	10.0	976.2	966.2
RAA 5 - East Stre	eet Area 2-Nort	th							
ES1-05	534750.4	135063.6	2	1,023.4	1,023.33	35.0	10.0	988.4	978.4
ES1-27R	534603.1	134604.2	2	1,023.4	1,023.19	9.3	10.0	1,014.1	1,004.1
RAA 6 - East Stre	eet Area 1-Nort	th							
ESA1-52	534253.8	134565.9	2	999.7	999.26	2.0	10.0	997.7	987.7
RAA 12 - Lyman	Street Area								
LS-29	532807.6	131047.4	2	988.4	988.25	24.6	10.0	963.8	953.8
LSSC-08S	532408.9	130817.2	2	983.6	983.11	5.0	10.0	978.6	968.6
LSSC-16S	532500.5	130690.3	2	981.5	981.37	5.0	10.0	976.5	966.5
LSSC-18	532664.7	131107.5	2	987.6	987.32	9.0	10.0	978.6	968.6
LS-MW-4R	532351.60	130525.40	2	981.2	980.82	5.5	10.0	975.7	965.7
RAA 13 - Newell Street Area II									
GMA1-25	532475.2	131882.3	2	987.51	987.19	5	10.0	982.5	972.5
GMA1-27	532319.7	131693.2	2	981.30	983.29	4	10.0	977.3	967.3
N2SC-07S	532707.0	131599.5	2	983.2	982.93	8.9	10.0	974.3	964.3

Table 2
Monitoring Well Construction

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Well Number	Survey Co	oordinates	Well Diameter	Ground Surface Elevation	Measuring Point Elevation	Depth to Top of Screen	Screen Length	Top of Screen Elevation	Base of Screen Elevation
	Northing	Easting	(inches)	(feet AMSL)	(feet AMSL)	(feet BGS)	(feet)	(feet AMSL)	(feet AMSL)
RAA 18 - East St	reet Area 1-So	uth							
72R	534196.1	134234.6	4	1,001.2	1,000.92	4.0	10.0	997.2	987.2
139R	533841.6	135011.0	2	987.4	986.91	6.0	10.0	981.4	971.4
GMA1-6	534084.3	134455.5	2	1,000.7	1,000.44	5.0	10.0	995.7	985.7
GMA1-18	534221.0	134872.5	2	998.5	998.29	4.0	10.0	994.5	985.5

#### NOTES:

- 1. The listed wells were scheduled to be utilized during spring 2008 for interim groundwater quality sampling.
- 2. feet AMSL: Feet above mean sea level
- 3. feet BGS: Feet below ground surface

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

		Groundwater
		Elevation
Well ID	Date	(Feet AMSL <sup>1</sup> )
40s Complex		
95-17	4/14/2008	983.77
30s Complex		
95-16	4/14/2008	992.25
ES2-19	4/14/2008	993.82
GMA1-12	4/14/2008	976.89
RF-03	4/14/2008	979.04
RF-16R	4/14/2008	977.79
20s Complex		
CC	4/14/2008	990.36
EE	4/14/2008	985.04
GG	4/14/2008	985.38
	4/14/2008	986.06
JJ	4/14/2008	985.40
LL-R	4/14/2008	985.28
P-R	4/14/2008	984.49
QQ-R	4/14/2008	985.03
U	4/14/2008	984.54
Υ	4/14/2008	984.83
East Street Area 2-South	า	
01R	4/15/2008	981.30
2	4/15/2008	982.40
5	4/15/2008	986.27
09R	4/14/2008	975.79
10	4/15/2008	975.90
13	4/14/2008	975.68
14	4/14/2008	976.28
16R	4/14/2008	976.08
19	4/14/2008	974.54
25R	4/15/2008	981.72
26RR	4/15/2008	983.51
28	4/15/2008	978.93
29	4/15/2008	976.33
30	4/15/2008	
31	4/15/2008	979.90 980.08
32	4/15/2008	979.97
34	4/15/2008	976.81
35	4/15/2008	975.86
36	4/15/2008	976.80

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL <sup>1</sup> )
East Street Area 2-South	(cont.)	
37	4/15/2008	976.66
38	4/15/2008	978.68
40R	4/15/2008	981.6
42	4/15/2008	979.09
43	4/15/2008	976.80
44	4/15/2008	979.09
47	4/15/2008	975.95
48	4/15/2008	979.08
49R	4/15/2008	975.72
49RR	4/15/2008	975.84
50	4/16/2008	976.99
51	4/16/2008	975.50
ESA2S-52	4/16/2008	975.00
53	4/15/2008	974.94
54	4/15/2008	974.54
55	4/15/2008	975.23
57	4/15/2008	981.37
58	4/15/2008	974.96
59	4/15/2008	973.24
ESA2S-64	4/16/2008	974.11
64R	4/15/2008	979.07
64S	4/15/2008	965.28
64V	4/15/2008	967.14
64X(N)	4/15/2008	975.24
64X(S)	4/15/2008	968.57
64X(W)	4/15/2008	968.67
95-1	4/14/2008	975.25
95-04R	4/16/2008	976.73
95-5	4/16/2008	977.41
95-07R	4/15/2008	978.50
E2SC-21	4/16/2008	974.69
E2SC-23	4/15/2008	977.91
E2SC-24	4/15/2008	974.40
3-6C-EB-14	4/14/2008	974.94
3-6C-EB-22	4/14/2008	974.96
3-6C-EB-25	4/14/2008	975.01
3-6C-EB-28	4/14/2008	974.78
ES2-02A	4/16/2008	974.45
ES2-05	4/14/2008	976.17

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL <sup>1</sup> )
East Street Area 2-South		(: 000702 )
ES2-08	4/15/2008	976.15
ES2-10	4/14/2008	979.87
ES2-11	4/16/2008	976.31
ES2-16	4/16/2008	977.41
ES2-18	4/14/2008	975.40
GMA1-13	4/15/2008	975.81
GMA1-14	4/14/2008	982.71
GMA1-15	4/14/2008	975.37
GMA1-16	4/14/2008	972.87
GMA1-17E	4/15/2008	980.75
GMA1-19	4/14/2008	975.20
GMA1-20	4/14/2008	974.88
GMA1-21	4/14/2008	975.65
GMA1-22	4/14/2008	975.59
GMA1-23	4/14/2008	975.49
GMA1-24	4/14/2008	974.89
HR-G1-MW-1	4/16/2008	971.73
HR-G1-MW-3	4/16/2008	973.46
HR-G2-MW-1	4/16/2008	973.29
HR-G2-MW-2	4/16/2008	974.37
HR-G2-MW-3	4/16/2008	974.37
HR-G2-RW-1	4/16/2008	973.70
HR-G3-MW-1	4/16/2008	969.22
HR-G3-MW-2	4/16/2008	974.02
HR-G3-RW-1	4/16/2008	974.44
HR-J1-MW-3	4/14/2008	973.88
HR-J1-MW-2	4/14/2008	974.78
HR-J1-MW-1	4/14/2008	974.32
M-R	4/15/2008	983.23
P3	4/15/2008	984.15
PZ-1S	4/15/2008	974.95
PZ-6S	4/15/2008	974.39
RW-1(S)	4/15/2008	969.22
RW-1(X)	4/15/2008	970.71
RW-2(X)	4/15/2008	973.23
TMP-1	4/15/2008	972.34
SG-HR-1	4/15/2008	975.67

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

		Groundwater
		Elevation
Well ID	Date	(Feet AMSL <sup>1</sup> )
East Street Area 2-North		
05-N	4/15/2008	985.99
11-N	4/15/2008	986.24
14-N	4/15/2008	987.25
16-N	4/15/2008	985.70
17A	4/15/2008	1,017.26
17-N	4/15/2008	985.96
19-N	4/15/2008	986.48
20-N	4/15/2008	986.71
23-N	4/15/2008	986.39
24-N	4/15/2008	986.60
ES1-05	4/15/2008	987.53
ES1-18	4/15/2008	1,042.16
ES1-20	4/15/2008	991.13
ES1-27R	4/15/2008	1,015.98
East Street Area 1-North		
25	4/15/2008	995.48
ESA1N-52	4/17/2008	995.01
60R	4/15/2008	993.28
105	4/15/2008	996.09
106	4/15/2008	997.20
107	4/15/2008	997.16
108A	4/15/2008	997.87
109A	4/15/2008	997.23
118	4/15/2008	997.90
128	4/15/2008	995.38
131	4/15/2008	997.88
140	4/15/2008	993.22
ES1-08	4/15/2008	996.24
North Caisson	4/15/2008	979.65
East Street Area 1-South		
31R	4/14/2008	991.72
ESA1S-33	4/14/2008	994.41
34	4/14/2008	994.37
35	4/14/2008	994.95
45	4/14/2008	994.96
46	4/14/2008	994.46
72	4/14/2008	994.44

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

		Groundwater
		Elevation
Well ID	Date	(Feet AMSL <sup>1</sup> )
East Street Area 1-South	(cont.)	
72R	4/14/2008	994.87
75	4/14/2008	994.57
76	4/14/2008	993.94
78	4/14/2008	994.39
80	4/14/2008	985.46
90	4/14/2008	982.20
139R	4/14/2008	978.47
ES1-13	4/14/2008	994.32
ES1-23R	4/14/2008	987.49
GMA1-6	4/14/2008	992.99
GMA1-7	4/14/2008	974.36
GMA1-18	4/14/2008	993.44
South Caisson	4/15/2008	987.73
Lyman Street Area		
GMA1-5	4/16/2008	972.50
B-2	4/16/2008	972.23
E-4	4/16/2008	973.98
LS-12	4/16/2008	972.11
LS-13	4/16/2008	975.41
LS-21	4/16/2008	969.92
LS-24	4/16/2008	970.04
LS-30	4/16/2008	972.26
LS-31	4/16/2008	972.73
LS-38	4/16/2008	971.81
LSSC-06	4/16/2008	970.39
LSSC-08S	4/16/2008	972.05
LSSC-08I	4/16/2008	972.05
LSSC-09	4/16/2008	971.44
LSSC-16S	4/16/2008	973.24
LSSC-18	4/16/2008	973.24
LSSC-34I	4/16/2008	970.60
LSSC-34S	4/16/2008	970.86
MW-3R	4/16/2008	974.62
MW-4R	4/16/2008	972.68
MW-6R	4/16/2008	975.54
RW-1(R)	4/15/2008	967.57
RW-2	4/15/2008	969.82
RW-3	4/15/2008	968.90

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL <sup>1</sup> )
Newell Street Area I	Duto	(**************************************
FW-16R	4/16/2008	974.11
IA-9R	4/16/2008	974.54
MM-1	4/16/2008	977.29
Newell Street Area II		
GMA1-8	4/16/2008	973.44
GMA1-9	4/16/2008	974.12
GMA1-25	4/16/2008	975.79
GMA1-26	4/16/2008	975.19
GMA1-27	4/16/2008	967.43
GMA1-28	4/16/2008	974.83
MW-1S	4/16/2008	974.72
NS-10	4/16/2008	973.12
NS-20	4/16/2008	979.80
NS-37	4/16/2008	973.48
Silver Lake Area		
SLGW-01S	4/14/2008	976.50
SLGW-05S	4/14/2008	976.30
SLGW-06S	4/14/2008	981.66
Silver Lake Gauge	4/14/2008	984.46

## Notes:

1. AMSL - Above Mean Sea Level

Table 4
Field Parameter Measurements - Spring 2008

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Turbidity (NTU)	Temperature (Degrees Celsius)	pH (Standard Units)	Specific Conductivity (mS/cm)	Oxidation- Reduction Potential (mV)	Dissolved Oxygen (mg/L)
RAA 2 - 30s COM	PLEX					
RF-02	5.0	7.91	6.89	0.618	147.0	0.64
RAA 4 - EAST STI	REET AREA 2-SO	UTH				
3-6C-EB-14	5	8.91	6.52	1.655	202.500	0.91
E2SC-23	1	7.23	7.43	0.352	143.000	4.06
E2SC-24	7	10.66	6.99	1.267	-38.900	3.64
ES2-02A	6	9.75	6.92	0.764	-64.100	0.84
ESA2S-64	5	11.13	6.81	1.256	-77.900	0.55
GMA1-13	21	9.89	6.66	0.873	156.300	2.88
HR-G3-MW-1	2	10.51	6.98	1.609	-73.7	1.58
RAA 5 - EAST ST	REET AREA 2-NO	RTH				
ES1-05	2.0	12.27	6.64	1.596	91.6	1.88
ES1-27R	5.0	7.96	7.69	0.323	106.6	6.62
RAA 12 - LYMAN	STREET AREA					
LS-29	7	10.32	7.46	0.762	113.7	3.31
LSSC-08S	1	11.68	6.82	0.770	182.8	5.53
LSSC-16S	8	10.72	6.98	1.298	85.7	1.72
LSSC-18	0	10.19	7.26	0.388	143.3	5.98
LS-MW-4R	5	12.52	6.87	1.188	-60.1	0.82
RAA 13 - NEWELI	STREET AREA I					
GMA1-25	3	9.58	7.04	0.527	13.8	2.26
GMA1-27	14	5.52	6.94	0.117	149.6	8.93
N2SC-07S	2	10.89	7.07	0.662	-64.6	0.84

Table 4
Field Parameter Measurements - Spring 2008

## Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Well ID	Turbidity (NTU)	Temperature (Degrees Celsius)	pH (Standard Units)	Specific Conductivity (mS/cm)	Oxidation- Reduction Potential (mV)	Dissolved Oxygen (mg/L)
RAA 18 - EAST ST	TREET AREA 1-SC	DUTH				
72R	2	11.00	7.00	1.220	197.8	8.58
139R	5	7.24	7.48	0.543	111.8	6.82
GMA1-6	7	14.38	6.74	1.822	-47.6	0.28
GMA1-18	7	9.86	7.78	0.498	109.4	8.83

#### Notes:

- 1. Measurements collected during Spring 2008 groundwater sampling event performed between April 3 and 17, 2008.
- 2. Well parameters were generally monitored continuously during purging by low-flow techniques. Final parameter readings are presented.
- 3. NTU Nephelometric Turbidity Units
- 4. mS/cm Millisiemens per centimeter
- 5. mV Millivolts
- 6. mg/L Milligrams per liter (ppm)

Table 5
Comparison of Groundwater Analytical Results to MCP Method 1 GW-2 Standards

	Site ID:		East St. Area 1 - South				
	Sample ID:	Method 1 GW-2	139R	72R	GMA1-18	GMA1-6	
Parameter	Date Collected:	Standards	04/03/08	04/17/08	04/17/08	04/17/08	
Volatile Orga	nics						
1,1,1-Trichlord	oethane	4	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	
Chloroform		0.05	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	
Tetrachloroeth	nene	0.05	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	
Toluene		50	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	
Trichloroether	ne	0.03	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	
Total VOCs		5	NA	ND(0.10) [ND(0.10)]	NA	ND(0.10)	
PCBs-Filtere	d						
None Detected		0.005					
Semivolatile	Organics	•		<u> </u>			
1,4-Dichlorobe	enzene	0.2	NA	ND(0.0010) [ND(0.0010)]	NA	0.00081 J	

Table 5
Comparison of Groundwater Analytical Results to MCP Method 1 GW-2 Standards

Site ID:		Lyman Street Area	Newell St. A	ea II				
Sample ID:	Method 1 GW-2	LSSC-16S	GMA1-25	GMA1-27				
Parameter Date Collected:	Standards	04/08/08	04/09/08	04/09/08				
Volatile Organics								
1,1,1-Trichloroethane	4	0.00016 J	ND(0.0010)	ND(0.0010)				
Chloroform	0.05	0.00048 J	ND(0.0010)	ND(0.0010)				
Tetrachloroethene	0.05	0.0080	ND(0.0010)	ND(0.0010)				
Toluene	50	ND(0.0010)	0.00017 J	ND(0.0010)				
Trichloroethene	0.03	0.0011	ND(0.0010)	ND(0.0010)				
Total VOCs	5	0.0097 J	0.00017 J	ND(0.10)				
PCBs-Filtered								
None Detected	0.005	NA						
Semivolatile Organics	Semivolatile Organics							
1,4-Dichlorobenzene	0.2	ND(0.0010)	ND(0.0050) [ND(0.0050)]	ND(0.0052)				

#### Notes:

- Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, semivolatiles and metals (filtered).
- 2. Only volatile, semivolatile and PCBs analyses are presented for the GW-2 Standards Comparison.
- 3. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007).
- NA Not Analyzed.
- ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 6. Field duplicate sample results are presented in brackets.
- 7 Only volatile, semivolatile and PCBs constituents detected in at least one sample are summarized.
- 8. Total VOCs are being compared to the notification level in the SOW of 5 ppm, as there is no GW-2 standard for Total
- 9. VOCs
  - -- Indicates that all constituents for the parameter group were not detected.

#### Data Qualifiers:

#### Organics (volatiles, PCBs, semivolatiles)

- J Indicates an estimated value less than the practical quantitation limit (PQL).
- R Data was rejected due to a deficiency in the data generation process.

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID	:	30s Complex		East St. Area 1 - South	
Sample ID	: Method 1 GW-3	RF-02	139R	72R	GMA1-18
Parameter Date Collected	: Standards	04/10/08	04/03/08	04/17/08	04/17/08
Volatile Organics					
1,1,1-Trichloroethane	20	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethane	20	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethene	30	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloroethane	20	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Benzene	10	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chlorobenzene	1	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroethane	Not Listed	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroform	20	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloromethane	Not Listed	NA	NA	ND(0.0010) J [ND(0.0010) J]	NA
Ethylbenzene	5	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Methylene Chloride	50	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Tetrachloroethene	30	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Toluene	40	NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,2-Dichloroethene	50	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Trichloroethene	5	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Vinyl Chloride	50	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Xylenes (total)	5	NA	NA	ND(0.0010) [ND(0.0010)]	NA
PCBs-Filtered					
None Detected	0.010				
Semivolatile Organics				·	
1,4-Dichlorobenzene	8	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Inorganics-Filtered					
Beryllium	0.2	NA	NA	ND(0.0100) [0.00161 B]	NA
Thallium	3	NA	NA	0.00961 J [0.0166 J]	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

	Site ID:		East St. Area 1 - South	East St. Ar	ea 2 - North	East St. Area 2 - South
	Sample ID:	Method 1 GW-3	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter	Date Collected:	Standards	04/17/08	04/11/08	04/10/08	04/11/08
Volatile Organi	cs					
1,1,1-Trichloroe	thane	20	ND(0.0010)	NA	NA	0.0042
1,1-Dichloroetha	ane	20	ND(0.0010)	NA	NA	0.0054
1,1-Dichloroethe	ene	30	ND(0.0010)	NA	NA	0.00023 J
1,2-Dichloroetha	ane	20	ND(0.0010)	NA	NA	ND(0.0010)
Benzene		10	ND(0.0010)	NA	NA	0.00082 J
Chlorobenzene		1	ND(0.0010)	NA	NA	ND(0.0010)
Chloroethane		Not Listed	ND(0.0010)	NA	NA	ND(0.0010)
Chloroform		20	ND(0.0010)	NA	NA	0.00064 J
Chloromethane		Not Listed	ND(0.0010) J	NA	NA	ND(0.0010)
Ethylbenzene		5	ND(0.0010)	NA	NA	ND(0.0010)
Methylene Chlor	ride	50	ND(0.0050)	NA	NA	ND(0.0050)
Tetrachloroethe	ne	30	ND(0.0010)	NA	NA	0.00031 J
Toluene		40	ND(0.0010)	NA	NA	0.00047 J
trans-1,2-Dichlo	roethene	50	ND(0.0010)	NA	NA	0.00069 J
Trichloroethene		5	ND(0.0010)	NA	NA	0.0015
Vinyl Chloride		50	ND(0.0010)	NA	NA	0.0017
Xylenes (total)		5	ND(0.0010)	NA	NA	ND(0.0010)
PCBs-Filtered						
None Detected		0.010				NA
Semivolatile Or	rganics					
1,4-Dichloroben		8	0.00081 J	NA	NA	NA
Inorganics-Filte	ered				•	
Beryllium		0.2	NA	NA	NA	NA
Thallium		3	NA	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

	Site ID:			East St. Area	a 2 - South	
9	Sample ID:	Method 1 GW-3	E2SC-23	E2SC-24	ES2-02A	ESA2S-64
Parameter Date	Collected:	Standards	04/03/08	04/18/08	04/10/08	04/18/08
Volatile Organics						
1,1,1-Trichloroethane		20	NA	NA	ND(0.0010)	ND(0.010)
1,1-Dichloroethane		20	NA	NA	0.00015 J	0.014
1,1-Dichloroethene		30	NA	NA	ND(0.0010)	ND(0.010)
1,2-Dichloroethane		20	NA	NA	0.00098 J	ND(0.010)
Benzene		10	NA	NA	0.023	0.0036 J
Chlorobenzene		1	NA	NA	ND(0.0010)	0.14
Chloroethane		Not Listed	NA	NA	0.0034	ND(0.010) J
Chloroform		20	NA	NA	ND(0.0010)	ND(0.010)
Chloromethane		Not Listed	NA	NA	ND(0.0010)	ND(0.010)
Ethylbenzene		5	NA	NA	0.0054	0.013
Methylene Chloride		50	NA	NA	ND(0.0050)	0.0056 J
Tetrachloroethene		30	NA	NA	ND(0.0010)	ND(0.010)
Toluene		40	NA	NA	0.00045 J	0.0017 J
trans-1,2-Dichloroether	ne	50	NA	NA	0.00024 J	ND(0.010)
Trichloroethene		5	NA	NA	ND(0.0010)	ND(0.010)
Vinyl Chloride		50	NA	NA	ND(0.0010)	ND(0.010)
Xylenes (total)		5	NA	NA	0.0031	0.030
PCBs-Filtered						
None Detected		0.010			NA	NA
Semivolatile Organics	3					
1,4-Dichlorobenzene		8	NA	NA	NA	NA
Inorganics-Filtered						
Beryllium		0.2	NA	NA	NA	NA
Thallium		3	NA	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID:		East St. A	rea 2 - South	Lyman	Street Area
Sample ID:	Method 1 GW-3	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R
Parameter Date Collected:	Standards	04/07/08	04/10/08	04/08/08	04/08/08
Volatile Organics					
1,1,1-Trichloroethane	20	NA	NA	NA	ND(0.0010)
1,1-Dichloroethane	20	NA	NA	NA	ND(0.0010)
1,1-Dichloroethene	30	NA	NA	NA	ND(0.0010)
1,2-Dichloroethane	20	NA	NA	NA	ND(0.0010)
Benzene	10	NA	NA	NA	0.0042
Chlorobenzene	1	NA	NA	NA	ND(0.0010)
Chloroethane	Not Listed	NA	NA	NA	ND(0.0010) J
Chloroform	20	NA	NA	NA	ND(0.0010)
Chloromethane	Not Listed	NA	NA	NA	0.0036
Ethylbenzene	5	NA	NA	NA	ND(0.0010)
Methylene Chloride	50	NA	NA	NA	ND(0.0050)
Tetrachloroethene	30	NA	NA	NA	ND(0.0010)
Toluene	40	NA	NA	NA	ND(0.0010)
trans-1,2-Dichloroethene	50	NA	NA	NA	ND(0.0010)
Trichloroethene	5	NA	NA	NA	ND(0.0010)
Vinyl Chloride	50	NA	NA	NA	0.00054 J
Xylenes (total)	5	NA	NA	NA	ND(0.0010)
PCBs-Filtered					
None Detected	0.010				NA
Semivolatile Organics					
1,4-Dichlorobenzene	8	NA	NA	NA	NA
Inorganics-Filtered	*				•
Beryllium	0.2	NA	NA	NA	NA
Thallium	3	NA	NA	NA	NA

Table 6 Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

	Site ID:		Lyman S	treet Area	Newe	ell St. Area II	
Parameter	Sample ID: Parameter Date Collected:		LSSC-08S 04/08/08	LSSC-18 04/08/08	GMA1-25 04/09/08	GMA1-27 04/09/08	N2SC-07S 04/09/08
Volatile Organ	nics						
1,1,1-Trichloro	ethane	20	NA	NA	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroeth	nane	20	NA	NA	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroeth	nene	30	NA	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroeth	nane	20	NA	NA	ND(0.0010)	ND(0.0010)	NA
Benzene		10	NA	NA	ND(0.0010)	ND(0.0010)	NA
Chlorobenzene	9	1	NA	NA	ND(0.0010)	ND(0.0010)	NA
Chloroethane		Not Listed	NA	NA	ND(0.0010)	ND(0.0010)	NA
Chloroform		20	NA	NA	ND(0.0010)	ND(0.0010)	NA
Chloromethane	Э	Not Listed	NA	NA	ND(0.0010)	ND(0.0010)	NA
Ethylbenzene		5	NA	NA	ND(0.0010)	ND(0.0010)	NA
Methylene Chl	oride	50	NA	NA	ND(0.0050)	ND(0.0050)	NA
Tetrachloroeth	ene	30	NA	NA	ND(0.0010)	ND(0.0010)	NA
Toluene		40	NA	NA	0.00017 J	ND(0.0010)	NA
trans-1,2-Dichl	oroethene	50	NA	NA	ND(0.0010)	ND(0.0010)	NA
Trichloroethene	е	5	NA	NA	ND(0.0010)	ND(0.0010)	NA
Vinyl Chloride		50	NA	NA	ND(0.0010)	ND(0.0010)	NA
Xylenes (total)		5	NA	NA	ND(0.0010)	ND(0.0010)	NA
PCBs-Filtered							
None Detected	d	0.010					
Semivolatile C	Organics						
1,4-Dichlorobe	nzene	8	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Inorganics-Fil	tered	•					
Beryllium		0.2	NA	NA	NA	NA	NA
Thallium		3	NA	NA	NA	NA	NA

### Notes:

- Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, semivolatiles and metals (filtered).
- Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007).
- NA Not Analyzed.
- ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 5. Field duplicate sample results are presented in brackets.
- Only those constituents detected in one or more samples are summarized.
- -- Indicates that all constituents for the parameter group were not detected.

### **Data Qualifiers:**

#### Organics (volatiles, PCBs, semivolatiles)

- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.

#### Inorganics

- B Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit PQL.

  J Indicates that the associated numerical value is an estimated concentration.

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

	Site ID:		30s Complex		East St. Area 1 - South	
	Sample ID:	MCP UCL	RF-02	139R	72R	GMA1-18
Parameter	Date Collected:	for GroundWater	04/10/08	04/03/08	04/17/08	04/17/08
Volatile Orga	anics					
1,1,1-Trichlor	roethane	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroe	ethane	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroe	ethene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloroe	ethane	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Benzene		100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chlorobenzei	ne	10	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroethane	е	Not Listed	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroform		100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chlorometha	ine	Not Listed	NA	NA	ND(0.0010) J [ND(0.0010) J]	NA
Ethylbenzene	е	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Methylene Cl	hloride	100	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Tetrachloroet	thene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Toluene		100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,2-Dic	hloroethene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Trichloroethe	ene	50	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Vinyl Chloride	е	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Xylenes (tota	al)	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
PCBs-Filtere	ed					
None Detecte		0.100				
Semivolatile	Organics					
1,4-Dichlorob	penzene	80	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Inorganics-F	Filtered					
Beryllium		2	NA	NA	ND(0.0100) [0.00161 B]	NA
Thallium		30	NA	NA	0.00961 J [0.0166 J]	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

	Site ID:		East St. Area 1 - South	East St. A	Area 2 - North	East St. Area 2 - South
	Sample ID:	MCP UCL	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter	Date Collected:	for GroundWater	04/17/08	04/11/08	04/10/08	04/11/08
Volatile Org	anics					
1,1,1-Trichlo	roethane	100	ND(0.0010)	NA	NA	0.0042
1,1-Dichloroe	ethane	100	ND(0.0010)	NA	NA	0.0054
1,1-Dichloroe	ethene	100	ND(0.0010)	NA	NA	0.00023 J
1,2-Dichloroe	ethane	100	ND(0.0010)	NA	NA	ND(0.0010)
Benzene		100	ND(0.0010)	NA	NA	0.00082 J
Chlorobenze	ne	10	ND(0.0010)	NA	NA	ND(0.0010)
Chloroethane	9	Not Listed	ND(0.0010)	NA	NA	ND(0.0010)
Chloroform		100	ND(0.0010)	NA	NA	0.00064 J
Chlorometha	ne	Not Listed	ND(0.0010) J	NA	NA	ND(0.0010)
Ethylbenzene	9	100	ND(0.0010)	NA	NA	ND(0.0010)
Methylene C	hloride	100	ND(0.0050)	NA	NA	ND(0.0050)
Tetrachloroe	thene	100	ND(0.0010)	NA	NA	0.00031 J
Toluene		100	ND(0.0010)	NA	NA	0.00047 J
trans-1,2-Dic	hloroethene	100	ND(0.0010)	NA	NA	0.00069 J
Trichloroethe	ne	50	ND(0.0010)	NA	NA	0.0015
Vinyl Chloride	е	100	ND(0.0010)	NA	NA	0.0017
Xylenes (tota	ıl)	100	ND(0.0010)	NA	NA	ND(0.0010)
PCBs-Filtere	ed					
None Detect	ed	0.100				NA
Semivolatile	Organics					
1,4-Dichlorob	enzene	80	0.00081 J	NA	NA	NA
Inorganics-F	iltered				*	·
Beryllium		2	NA	NA	NA	NA
Thallium		30	NA	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

	Site ID:		East St. Area 2 - South			
	Sample ID:	MCP UCL	E2SC-23	E2SC-24	ES2-02A	ESA2S-64
Parameter	Date Collected:	for GroundWater	04/03/08	04/18/08	04/10/08	04/18/08
Volatile Org	anics					
1,1,1-Trichlo	roethane	100	NA	NA	ND(0.0010)	ND(0.010)
1,1-Dichloroe	ethane	100	NA	NA	0.00015 J	0.014
1,1-Dichloroe	ethene	100	NA	NA	ND(0.0010)	ND(0.010)
1,2-Dichloroe	ethane	100	NA	NA	0.00098 J	ND(0.010)
Benzene		100	NA	NA	0.023	0.0036 J
Chlorobenze	ne	10	NA	NA	ND(0.0010)	0.14
Chloroethane	Э	Not Listed	NA	NA	0.0034	ND(0.010) J
Chloroform		100	NA	NA	ND(0.0010)	ND(0.010)
Chlorometha	ne	Not Listed	NA	NA	ND(0.0010)	ND(0.010)
Ethylbenzene	Э	100	NA	NA	0.0054	0.013
Methylene C	hloride	100	NA	NA	ND(0.0050)	0.0056 J
Tetrachloroe	thene	100	NA	NA	ND(0.0010)	ND(0.010)
Toluene		100	NA	NA	0.00045 J	0.0017 J
trans-1,2-Dic	hloroethene	100	NA	NA	0.00024 J	ND(0.010)
Trichloroethe	ene	50	NA	NA	ND(0.0010)	ND(0.010)
Vinyl Chlorid	е	100	NA	NA	ND(0.0010)	ND(0.010)
Xylenes (tota	al)	100	NA	NA	0.0031	0.030
PCBs-Filter	ed					
None Detect	ed	0.100			NA	NA
Semivolatile	Organics					
1,4-Dichlorob	penzene	80	NA	NA	NA	NA
Inorganics-I	iltered					
Beryllium		2	NA	NA	NA	NA
Thallium		30	NA	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Site ID Sample ID	-	East St. Area 2 - South GMA1-13	East St. Area 2 - South HR-G3-MW-1	Lyman Street Area	Lyman Street Area
	: for GroundWater	04/07/08	04/10/08	04/08/08	04/08/08
Volatile Organics	'				
1,1,1-Trichloroethane	100	NA	NA	NA	ND(0.0010)
1,1-Dichloroethane	100	NA	NA	NA	ND(0.0010)
1,1-Dichloroethene	100	NA	NA	NA	ND(0.0010)
1,2-Dichloroethane	100	NA	NA	NA	ND(0.0010)
Benzene	100	NA	NA	NA	0.0042
Chlorobenzene	10	NA	NA	NA	ND(0.0010)
Chloroethane	Not Listed	NA	NA	NA	ND(0.0010) J
Chloroform	100	NA	NA	NA	ND(0.0010)
Chloromethane	Not Listed	NA	NA	NA	0.0036
Ethylbenzene	100	NA	NA	NA	ND(0.0010)
Methylene Chloride	100	NA	NA	NA	ND(0.0050)
Tetrachloroethene	100	NA	NA	NA	ND(0.0010)
Toluene	100	NA	NA	NA	ND(0.0010)
trans-1,2-Dichloroethene	100	NA	NA	NA	ND(0.0010)
Trichloroethene	50	NA	NA	NA	ND(0.0010)
Vinyl Chloride	100	NA	NA	NA	0.00054 J
Xylenes (total)	100	NA	NA	NA	ND(0.0010)
PCBs-Filtered					
None Detected	0.100				NA
Semivolatile Organics					
1,4-Dichlorobenzene	80	NA	NA	NA	NA
Inorganics-Filtered					
Beryllium	2	NA	NA	NA	NA
Thallium	30	NA	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Volatile Organics 1,1,1-Trichloroethane 1,1-Dichloroethane	D: MCP UCL d: for GroundWater	LSSC-08S 04/08/08	LSSC-16S 04/08/08	LSSC-18 04/08/08	GMA1-25 04/09/08
Volatile Organics 1,1,1-Trichloroethane 1,1-Dichloroethane	100		0 1100100	04/08/08	04/09/08
1,1,1-Trichloroethane 1,1-Dichloroethane		NA			
1,1-Dichloroethane		NA			
•	100		0.00016 J	NA	ND(0.0010)
4.4 D' 11 (1		NA	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethene	100	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloroethane	100	NA	ND(0.0010)	NA	ND(0.0010)
Benzene	100	NA	ND(0.0010)	NA	ND(0.0010)
Chlorobenzene	10	NA	ND(0.0010)	NA	ND(0.0010)
Chloroethane	Not Listed	NA	ND(0.0010)	NA	ND(0.0010)
Chloroform	100	NA	0.00048 J	NA	ND(0.0010)
Chloromethane	Not Listed	NA	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	100	NA	ND(0.0010)	NA	ND(0.0010)
Methylene Chloride	100	NA	ND(0.0050)	NA	ND(0.0050)
Tetrachloroethene	100	NA	0.0080	NA	ND(0.0010)
Toluene	100	NA	ND(0.0010)	NA	0.00017 J
trans-1,2-Dichloroethene	100	NA	ND(0.0010)	NA	ND(0.0010)
Trichloroethene	50	NA	0.0011	NA	ND(0.0010)
Vinyl Chloride	100	NA	ND(0.0010)	NA	ND(0.0010)
Xylenes (total)	100	NA	ND(0.0010)	NA	ND(0.0010)
PCBs-Filtered					
None Detected	0.100		NA		
Semivolatile Organics	•		•		
1,4-Dichlorobenzene	80	NA	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]
Inorganics-Filtered					•
Beryllium	2	NA	NA	NA	NA
Thallium	30	NA	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Site ID	):	Newell S	t. Area II
Sample ID	: MCP UCL	GMA1-27	N2SC-07S
Parameter Date Collected	: for GroundWater	04/09/08	04/09/08
Volatile Organics			
1,1,1-Trichloroethane	100	ND(0.0010)	NA
1,1-Dichloroethane	100	ND(0.0010)	NA
1,1-Dichloroethene	100	ND(0.0010)	NA
1,2-Dichloroethane	100	ND(0.0010)	NA
Benzene	100	ND(0.0010)	NA
Chlorobenzene	10	ND(0.0010)	NA
Chloroethane	Not Listed	ND(0.0010)	NA
Chloroform	100	ND(0.0010)	NA
Chloromethane	Not Listed	ND(0.0010)	NA
Ethylbenzene	100	ND(0.0010)	NA
Methylene Chloride	100	ND(0.0050)	NA
Tetrachloroethene	100	ND(0.0010)	NA
Toluene	100	ND(0.0010)	NA
trans-1,2-Dichloroethene	100	ND(0.0010)	NA
Trichloroethene	50	ND(0.0010)	NA
Vinyl Chloride	100	ND(0.0010)	NA
Xylenes (total)	100	ND(0.0010)	NA
PCBs-Filtered			
None Detected	0.100		
Semivolatile Organics		•	
1,4-Dichlorobenzene	80	ND(0.0052)	NA
Inorganics-Filtered			
Beryllium	2	NA	NA
Thallium	30	NA	NA

#### Notes:

- Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, semivolatiles and metals (filtered).
- Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007).
- 3. NA Not Analyzed.
- 4. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 5. Field duplicate sample results are presented in brackets.
- 6. Only those constituents detected in one or more samples are summarized.
  - -- Indicates that all constituents for the parameter group were not detected.

#### Data Qualifiers:

### Organics (volatiles, PCBs, semivolatiles)

- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.

#### Inorganics

- $\overline{\text{B}}$  Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit PQL.
- J Indicates that the associated numerical value is an estimated concentration.

Table 8
Proposed Interim Groundwater Quality Monitoring Program
Plant Site 1 Groundwater Management Area
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		Sampli	ng Schedule &	Analyses	
Well Number	Monitoring Well Usage	Current Annual Analyses	Proposed <sup>(2)</sup> Annual Analyses	Proposed <sup>(3)</sup> Semi-Annual Analyses	Basis for Inclusion or Exclusion/Comments
RAA 1 - 40s COMP	LEX				
RF-04	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 2 - 30s COMP	LEX				
ES2-19	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA1-2	GW-2 Sentinel	NONE	NONE	NONE	Well was removed during building demolition activities in area. GW-2 monitoring for PCBs in 30s Complex proposed to be conducted at wells ES2-19 and GMA1-3 should be sufficient to assess area.
GMA1-3	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA1-12	GW-2 Sentinel/GW-3 General/Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RF-02	GW-3 Perimeter (Downgradient)	РСВ	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
RF-03	GW-2 Sentinel /GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RF-03D	GW-3 General/Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RF-16	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 3 - 20s COMP	LEX				
95-23	GW-3 General/Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

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		Sampl	ing Schedule &	Analyses	
Well Number	Monitoring Well Usage	Current Annual Analyses	Proposed <sup>(2)</sup> Annual Analyses	Proposed <sup>(3)</sup> Semi-Annual Analyses	Basis for Inclusion or Exclusion/Comments
RAA 4 - EAST STRE	EET AREA 2-SOUTH				
3-6C-EB-14	GW-3 Perimeter (Downgradient)	VOC	VOC	NONE	Average chlorobenzene are slightly below the GW-3 Standard (i.e., greater than 50%). Continued interim sampling proposed to further assess.
3-6C-EB-29	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-13	GW-3 General/Source Area Sentinel	PCB	NONE	NONE	Replacement for well 95-9. No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
95-25	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
E2SC-23	GW-3 Perimeter (Downgradient)	РСВ	РСВ	NONE	Average PCB concentrations are significantly less than new GW-3 Standard, but continued interim sampling for PCBs proposed based on location at edge of sheetpile containment barrier and to assess isolated exceedance. Average PCDD/PCDF TEQ concentration greater than the GW-3 Standard based on a single sampling event (remaining rounds well below GW-3 standard). Interim sampling for PCDDs/PCDFs is deferred.
E2SC-24	GW-3 Perimeter (Downgradient)	PCB	PCB	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location at edge of sheetpile containment barrier.
ES2-02A	GW-3 Perimeter (Downgradient)	VOC	VOC	NONE	Average chlorobenzene concentration is slightly greater than the GW-3 Standard. Interim sampling for VOCs proposed to further assess.
ES2-05	GW-3 General/ Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
ES2-08	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
ESA2S-52	GW-3 General/Source Area Sentinel	NONE	PCB	NONE	Average chlorobenzene concentrations are greater than the GW-3 Standard. Interim sampling for chlorobenzene is deferred. PCB concentrations are below revised GW-3 standard, but interim sampling proposed to assess increasing concentrations observed during baseline monitoring.
ESA2S-64	GW-3 Perimeter (Downgradient)	VOC	VOC	NONE	Average chlorobenzene concentration is slightly below the GW-3 Standard (i.e., approximately 50%). Interim sampling for VOCs proposed to further assess.
HR-G1-MW-3	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

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General Electric Company - Pittsfield, Massachusetts

	Monitoring Well Usage	Sampl	ing Schedule &	Analyses	Basis for Inclusion or Exclusion/Comments
Well Number		Current Annual Analyses	Proposed <sup>(2)</sup> Annual Analyses	Proposed <sup>(3)</sup> Semi-Annual Analyses	
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	Average chlorobenzene concentration is greater than the GW-3 Standard. Interim sampling for VOCs is deferred. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
RAA 5 - EAST STRE	EET AREA 2-NORTH				
17A	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
95-20	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
A7	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
ES1-05	GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
ES1-10	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
ES1-18	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
ES1-20	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
ES1-27R	GW-3 General/ Source Area Sentinel	РСВ	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
F-1	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA1-4	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.

Table 8
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		Sampling Schedule & Analyses		Analyses				
Well Number	Monitoring Well Usage	Current Annual Analyses	Proposed <sup>(2)</sup> Annual Analyses	Proposed <sup>(3)</sup> Semi-Annual Analyses	Basis for Inclusion or Exclusion/Comments			
GMA1-11	GW-3 General/ Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.			
RAA 6 - EAST STREET AREA 1-NORTH								
ES1-08	GW-2 Sentinel/GW-3 General/Source Area Sentinel	NONE	NONE	NONE	Replaced by well ESA1S-33 for sampling purposes.			
ES1-14	GW-2 Sentinel/GW-3 General/Source Area Sentinel	NONE	NONE	NONE	Replaced by well GMA1-18 for sampling purposes.			
ESA1N-52	GW-2 Sentinel/GW-3 General/Source Area Sentinel	РСВ	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.			
RAA 12 - LYMAN S	TREET AREA							
B-2	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.			
E-4	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.			
E-7	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.			
GMA1-5	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.			
LS-28	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.			
LS-29	GW-3 General/ Source Area Sentinel	РСВ	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.			
LSSC-08I	Supplemental Monitoring (Deep Downgradient)	NONE	NONE	NONE	PCB concentration was equal to 50 % of the revised GW-3 Standard in Spring 2003 (only time sampled). No additional sampling proposed.			

Table 8
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		Sampling Schedule & Analyses		Analyses	
Well Number	Monitoring Well Usage	Current Annual Analyses	Proposed <sup>(2)</sup> Annual Analyses	Proposed <sup>(3)</sup> Semi-Annual Analyses	Basis for Inclusion or Exclusion/Comments
LSSC-08S	GW-3 Perimeter (Downgradient)	PCB	PCB	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location at edge of sheetpile containment barrier.
LSSC-16S	GW-2 Sentinel	VOC (+5 SVOC	VOC (+5 SVOC)	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location of well relative to adjacent building and edge of NAPL. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
LSSC-18	GW-3 Perimeter (Downgradient)	PCB	PCB	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location at edge of sheetpile containment barrier.
MW-3R	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
MW-4R	GW-3 Perimeter (Downgradient)	VOC	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
MW-6R	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 13 - NEWELL S	STREET AREA II				9 1 9
GMA1-8	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-9	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-25	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	NONE	NONE	VOC/SVOC/PCB	
GMA1-27	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	NONE	NONE	VOC/SVOC/PCB	Sampling and analysis to be conducted as required by EPA.
N2SC-07S	GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
NS-09	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
NS-17	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
NS-20	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
NS-37	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

Table 8
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	Monitoring Well Usage	Sampling Schedule & Analyses			
Well Number		Current Annual Analyses	Proposed <sup>(2)</sup> Annual Analyses	Proposed <sup>(3)</sup> Semi-Annual Analyses	Basis for Inclusion or Exclusion/Comments
RAA 14 - NEWELL	STREET AREA I				
FW-16R	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
IA-9R	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
MM-1	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
SZ-1	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 18 - EAST ST	REET AREA 1 SOUTH				
139R	GW-2 Sentinel/GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
72R	GW-2 Sentinel/GW-3 General/Source Area Sentinel	VOC(+5 SVOC)/ PCB/Cyanide/ Metals	VOC(+5 SVOC)/ PCB/Metals	NONE	Replacement for wells ES1-8 and ESA1S-33 downgradient of NAPL containment area. Physiologically available cyanide concentrations are well below GW-3 standard, no further cyanide sampling proposed.
37R	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
ES1-23R	GW-2 Sentinel/GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-6	GW-2 Sentinel/GW-3 General/Source Area Sentinel	VOC(+5 SVOC)/ PCB	VOC(+5 SVOC)/ PCB	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location downgradient of NAPL containment area.
GMA1-7	GW-2 Sentinel/GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

## Table 8 Proposed Interim Groundwater Quality Monitoring Program

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

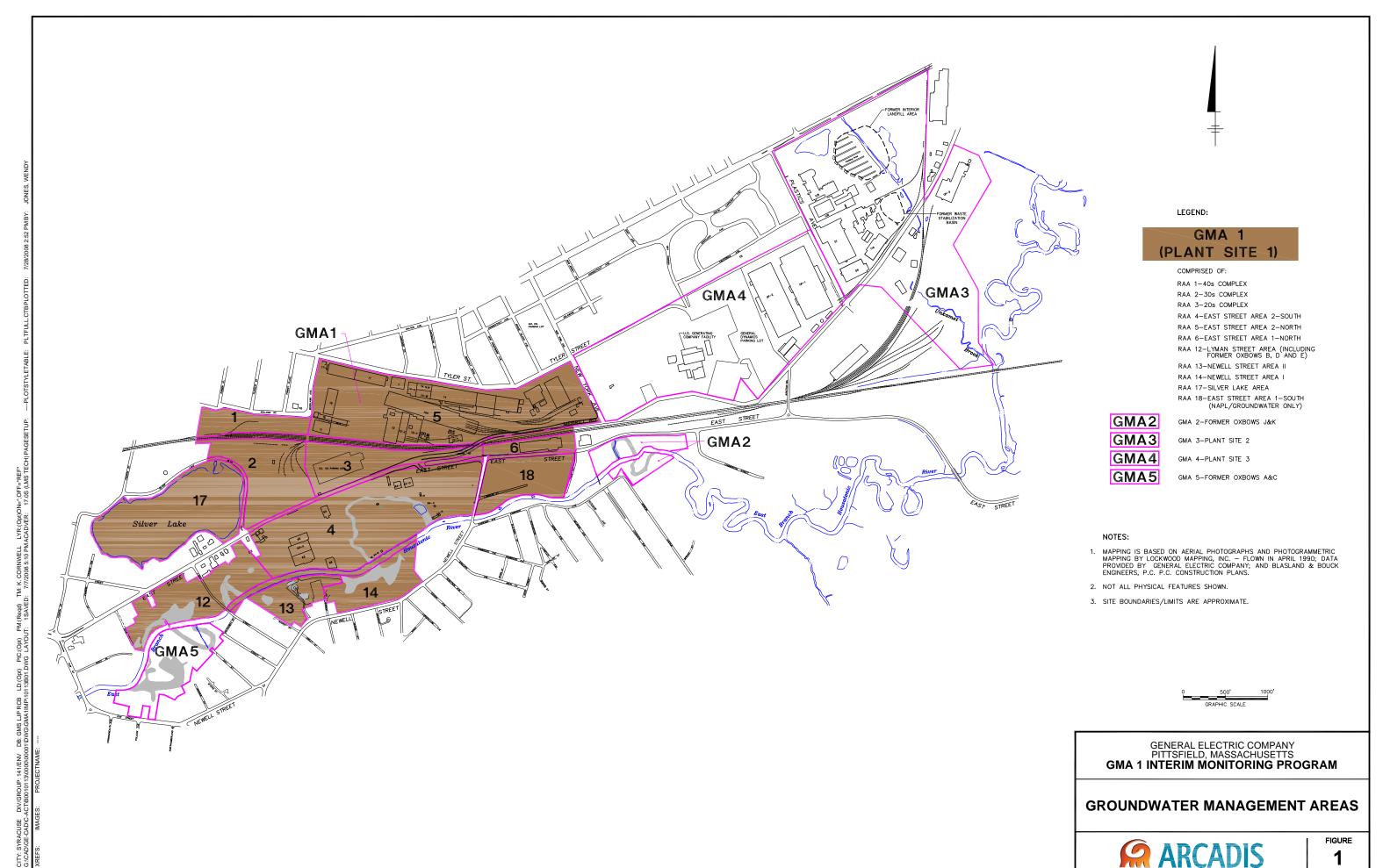
I	Well Number	Monitoring Well Usage	Sampling Schedule & Analyses			
			Current Annual Analyses	Proposed <sup>(2)</sup> Annual Analyses	Proposed <sup>(3)</sup> Semi-Annual Analyses	Basis for Inclusion or Exclusion/Comments
	GMA1-18	GW-2 Sentinel/GW-3 General/Source Area Sentinel	РСВ	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below new GW-2 and revised GW-3 standard, no further PCB sampling proposed.

#### NOTES:

- 1. The wells listed above have been sampled as part of the baseline monitoring program at GMA 1 and or during the interim groundwater quality monitoring program.
- 2. The wells proposed for annual groundwater quality sampling will be sampled for the listed parameters during the interim period between the completion of the baseline monitoring program and the initiation of a long-term monitorin program. The sampling schedule will alternate between the spring and fall seasons each year, with the next sampling round to be conducted in fall 2009.
- 3. The wells proposed for semi-annual groundwater quality sampling will be sampled for the listed parameters on a semi-annual basis and may be proposed to be removed from the interim groundwater quality monitoring program after the fourth data set is collected.
- 4. All analyses for PCB, metals, and cyanide will be performed on filtered samples only.
- 5. Mercury concentrations above the MCP GW-3 standards that were recorded at several wells during the fall 2002 sampling event were determined to be anomalous following additional sampling an a review of historical analytical data. Therefore, as previously approved by EPA, no interim analyses for mercury are proposed at GMA 1.

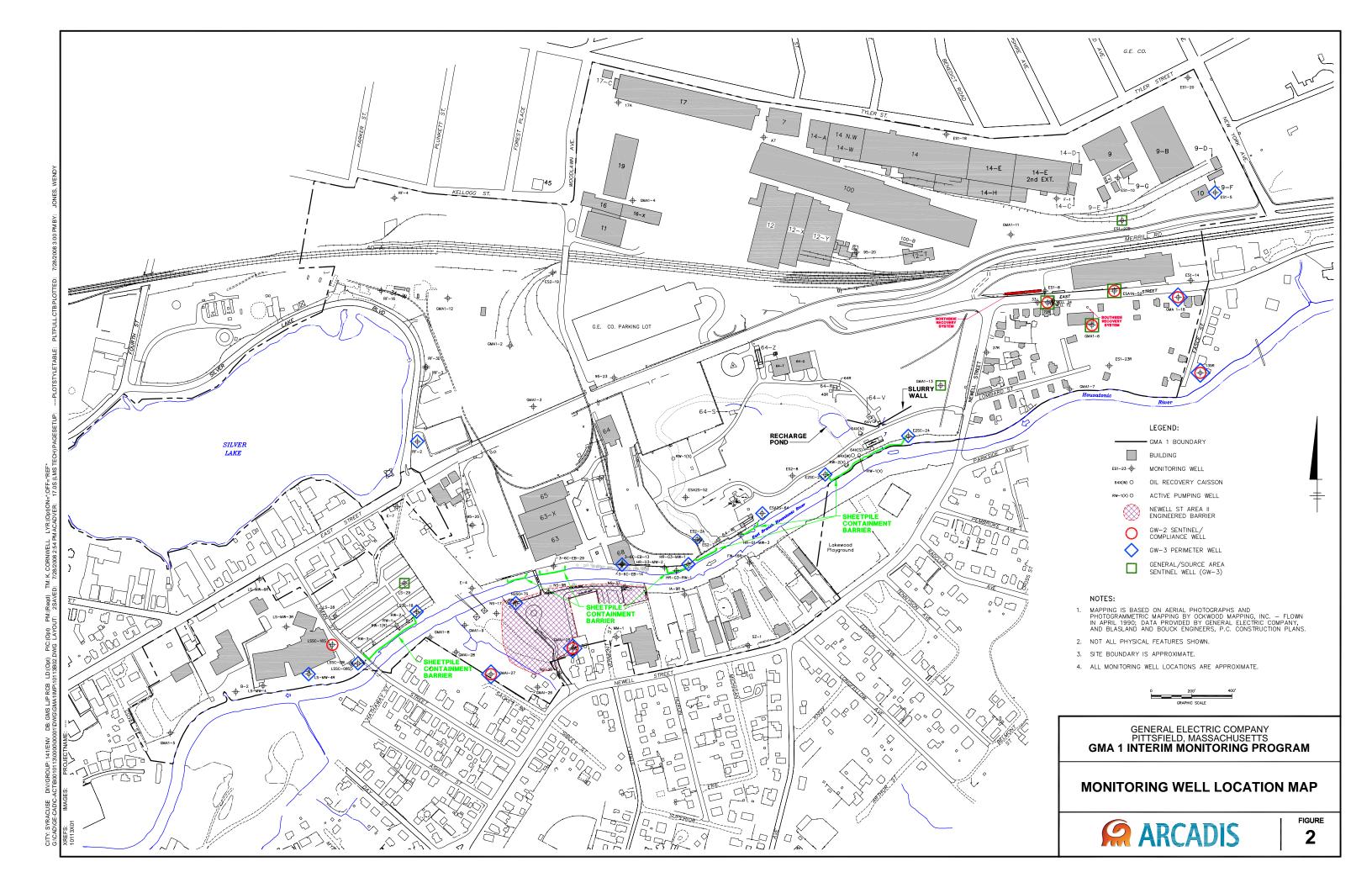
# **ARCADIS**

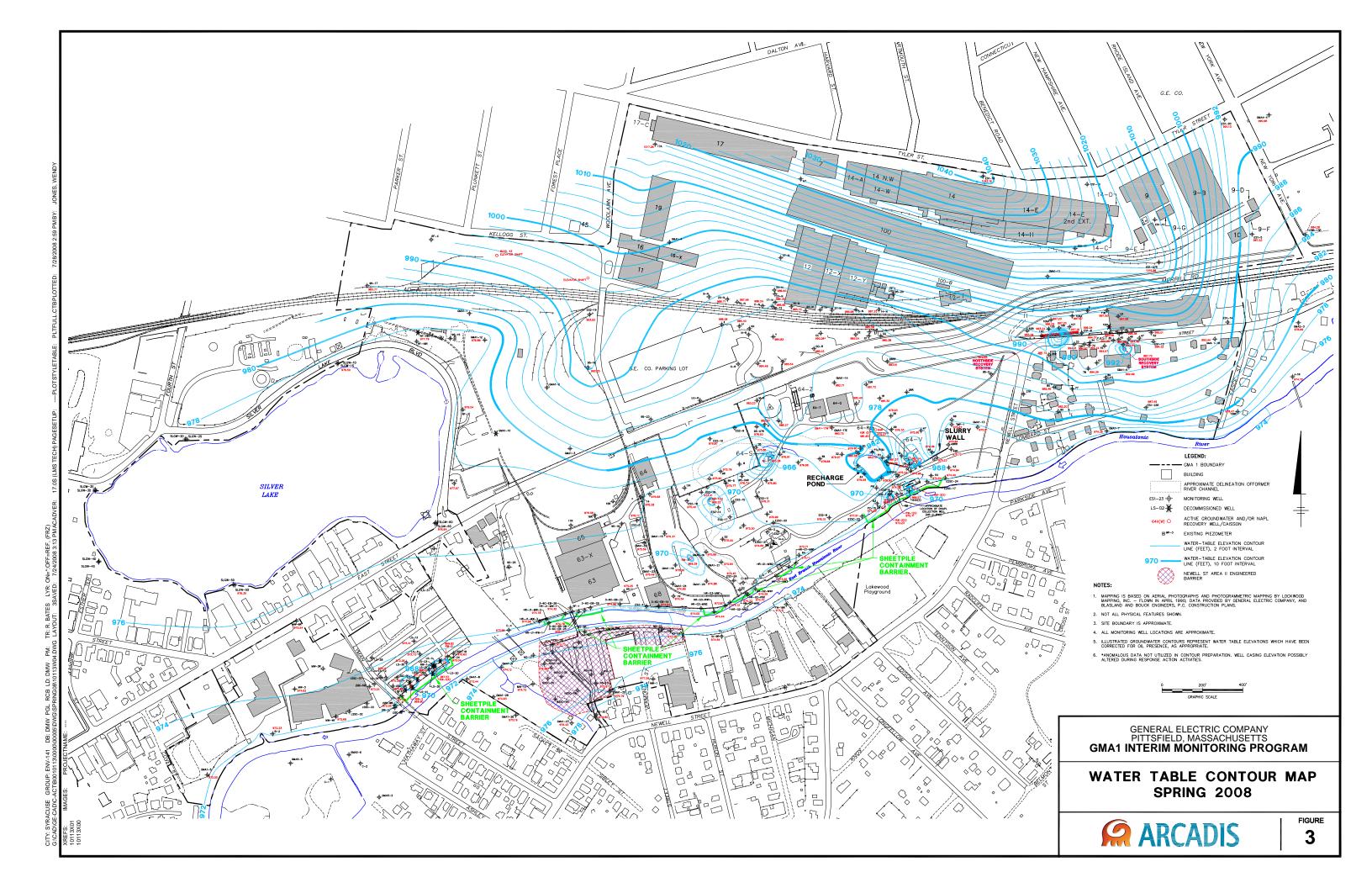
Figures

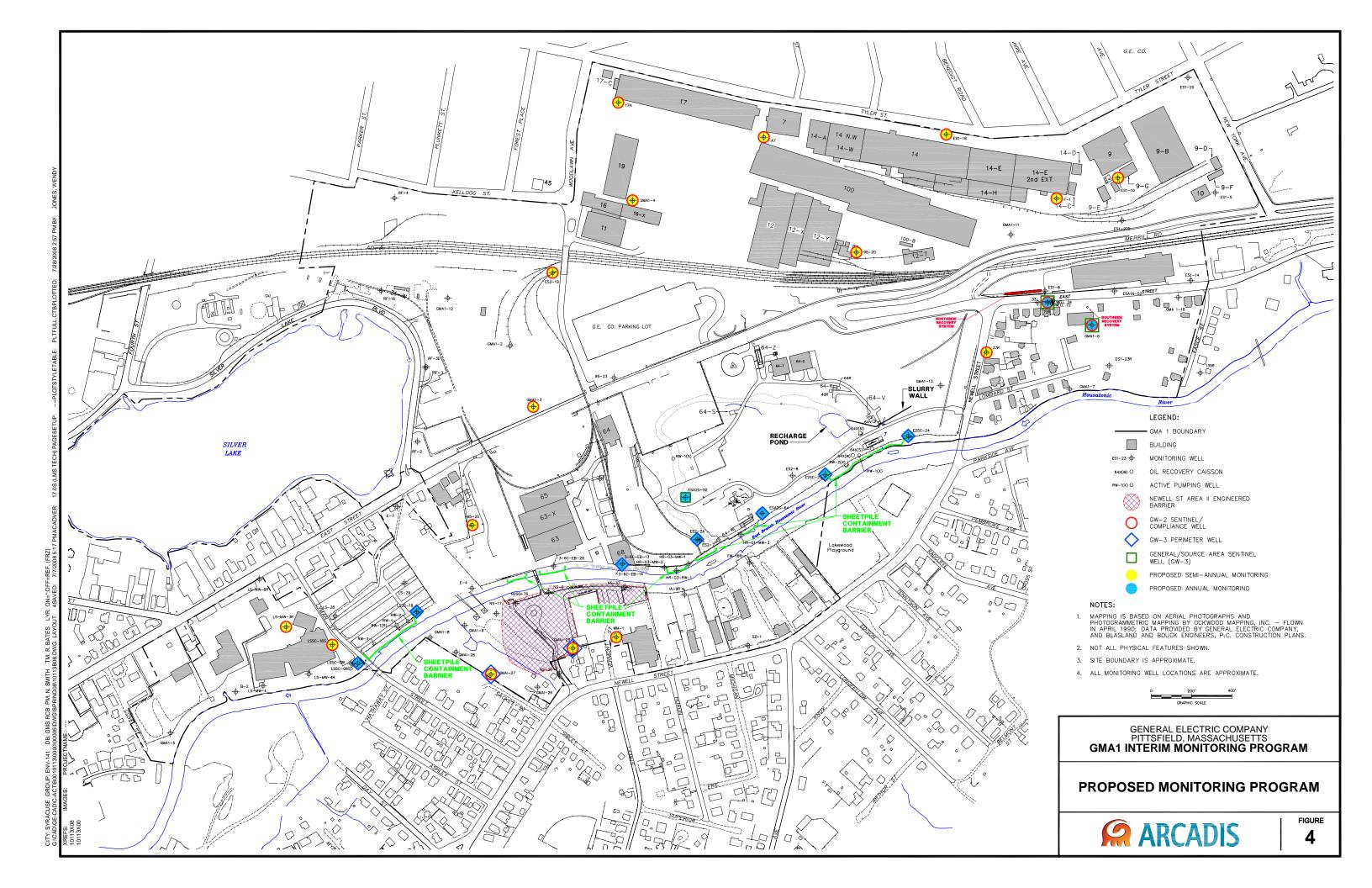


FIGURE

**ARCADIS** 







## **ARCADIS**

**Appendices** 

## **ARCADIS**

Appendix A

Field Sampling Data

Table A-1 Summary of Groundwater Sampling Methods

						Sa	ampling Meth	od					
Well ID	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008
RAA 2 - 30s COMF													
RF-02	SP	PP	PP	BP	NS	PP	NS	PP	PP	NS	NS	PP	PP
RF-16/RF-16R	PP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	NS	NS
	Fall 2007: W	ell removed fi	rom interim mo	onitoring prog	gram.	•	•						
RAA 4 - EAST STF	REET AREA 2-	SOUTH											
3-6C-EB-14	PP	PP	PP	BP	NS	NS	NS	NS	NS	NS	NS	BP	BP
	Fall 07: Well added to interim monitoring program. Unable to locate well during initial sampling efforts in October 2007, Well was found and sampled in December 2007.  Spring 2002: Dissolved oxygen meter malfunction.												
			tygen meter m en meter malf										
95-09/GMA1-13	BA	PP/BA	NS	PP	BP	BP	NS	BP	BP	NS	NS	BP	BP
	Fall 2002: W	ell damaged -	olaced by well no sample cors not collected	ollected.									
E2SC-23	SP/PP/BA	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP	BP
	Fall 2002: W	ell dried durin ubmersible pu	g purging. Se	veral visits re	equired to colle	ct sample vo	lume.			ig. Samples co		-	
E2SC-24	SP	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP	BP
	Spring 2004:		analysis can		vater level read extremely low			econd sample	was collecte	d and analyze	d.		
ES2-02A	SP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP	BP
	Fall 2007: O	rganic particu	th initial purge lates and stroi urbidity below	ng odor obse	f large particle rved.	s which appe	ared to be org	panic in nature		•		•	
ESA2S-52	PP	PP/BA	PP	PP	NS	PP	NS	PP	PP	NS	NS	NS	NS
	Fall 2002: W Fall 2001: Di	ell officially ad ssolved oxyg	en meter malf	oring program unction.	gram. In place of weather that it is a second to the place of we that it is a second to the place of the plac		1			1			

Table A-1 Summary of Groundwater Sampling Methods

						Sa	ampling Meth	od					
Well ID	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008
ESA2S-64	SP	BP	PP	BP	NS	NS	NS	NS	BP	NS	NS	BP	BP
	Spring 2006: Fall 2003-Fall Fall 2002: P	Supplement ll2005: No sa etroleum odo	al sampling po mple collected r and sheen o	erformed. d - baseline m bserved.	Slight odor obs		oposed for add	ditional samplir	ng under inte	erim monitoring	program.		
			urbidity below				1			1		1	
HR-G1-MW-3	SP	PP	PP	BP	BP	BP	NS	BP	BP	NS	NS	NS	NS
	Fall 2003: Ri Spring 2002:	ver elevation Dissolved ox	om interim mo very high, wat ygen meter m urbidity below	ter near base alfunction.									
HR-G3-MW-1	SP	PP	PP	BP	BP	BP	NS	BP	BP	NS	NS	BP	BP
RAA 5 - EAST ST	Fall 2001: Pu	ımp malfuncti			U (49 NTU at n, was briefly s		ling).	!		!		!	
ES1-05	BA	BP	SP	BP	BP	BP	NS	BP	BP	NS	NS	BP	BP
	Spring 2003: Fall 2002: W Spring 2002: Fall 2001: Fie	Portion of w ell almost dry Well casing	ell casing brol - unable to ge broken at top s not collecte	ken. et turbidity be d.		ever below to	p or pump, um	able to collect	water level i	eadings durinç	, purging.		
ES1-27R	SP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP	BP
	Fall 2002: Di		en meter malf	unction.									
RAA 6 - EAST ST ES1-08	PP PP	PP	PP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Fall 2002: LI Spring 2002:	NAPL presen LNAPL prese	t (removed pri ent (removed	or to sampling prior to samp	 eplaced by we g). Well dried ling). ŋ). Well dried	several time	s during samp					<u> </u>	
ES1-14	PP	PP	PP	PP	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Fall 2003: No Fall 2002: Di Spring 2002:	sample colle ssolved oxyge Slightly turbi	ected - addition en meter malf	nal sampling unction. Well unable to mea	under interim dried several asure water le	monitoring pr times during	rogram sched sampling, una	uled to resume	in spring 20	monitoring eve 004. Is during purgir			

Table A-1 Summary of Groundwater Sampling Methods

						Sa	mpling Meth	od					
Well ID	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008
ESA1N-52	PP	PP	PP	PP	NS	PP	NS	PP	PP	NS	NS	PP	NS
	Fall 2007: SII Spring 2006: Spring 2003: Fall 2002: SII Spring 2002:	ight septic ode LNAPL prese Sheen obser ight sheen ob LNAPL prese	ent (removed proved)	orior to samp	ling). ling).								
RAA 12 - LYMAN			(removed pric	n to sampling	]).								
LS-29	SP	BP	NS	PP	PP	PP	NS	PP	PP	NS	NS	PP	PP
			changed from ed; Casing bro		p to peristaltic	pump.	•					•	
LSSC-08S	PP	BP	PP	BP	NS	BP	NS	BP	BP	BP	BP	PP	BP
	Fall 2007: Bl	ack particles aurbidity meter	and strong ode malfunction.	or observed. Samples visu	Water level no lally clear.		ake, could not	collect depth	to water read	lings during pu	ırging.		
LSSC-16S	SP	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP	BP
	Spring 2006:	Barely able to	o get turbidity	below 50 NT	ollect water levic (42 NTU at ot reduce at ve	time of samp	ling).		rved during i	nitial purge, no	t present at	ime of	
LSSC-18	SP/PP	PP/BA	PP	BP	NS	BP	NS	BP	BP	BP	BP	BP	BP
					collect water le								
										, change to pe			
MW-4/MW-4R	PP	PP	PP	PP	NS	PP	PP	PP	PP	NS	NS	PP	PP
	Fall 2003: No Spring 2003:	sample colle Well cap mis	served, instratected - additional ssing - replacemalfunction.	nal sampling ed.	under interim	monitoring pr	ogram to resu	ume at replace	ement well M	W-4R in spring	2004.		
RAA 13 - NEWEL				Carripioo vioc	an, ordari								
GMA1-25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	PP	PP
			nterm monitori	01 0	Well at an an	gle, could not	t install bladde	er pump. Used	d peristaultic	pump for sam	ple collection	. Elevated	
GMA1-27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	BP	BP
	Fall 2007: W	ell added to ir	nterim monitor	ing program.			•	•		•		•	

Table A-1 Summary of Groundwater Sampling Methods

						Sa	mpling Meth	od					
Well ID	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008
N2SC-07S	SP	BP	PP	BP	BP	BP	NS	BP	BP	NS	NS	PP	PP
	partial blocka	age at top of v	e well during i vell, peristaltic sert bladder p	pump utilize	ď.	,		•	in December	r 2007. Could	not insert bla	adder pump,	
NS-17	SP	PP/BA	PP	PP	PP	PP	NS	PP	PP	NS	NS	NS	NS
			rom interim m	onitoring prog	ıram.								
RAA 18 - EAST STI													
ESA1S-33/72R	NS	NS	NS	PP	NS	NS	NS	NS	NS	NS	NS	BP	BP
ESA1S-139/139R	Spring 2004: Fall 2003: No	No sample colle sample colle Well added		to be replace	ed by well 72R under interim	R for future into monitoring pr	ogram schedi	uled to resume		04. mping rate. W	'ill use bladd NS	er pump for	PP
	Fall 2004: W Spring 2004: Fall 2003: No Fall 2002: W	No sample colle sample colle ell dried durin	ed to interim n ollected - well ected - additio	to be replace nal sampling n bladder pum	ed by well 139 under interim np. Several vis	R for future in monitoring pr	ogram schedi	ing events. uled to resume ble volume wit		04.			
GMA1-6	PP	PP	PP	PP	NS	PP	NS	PP	PP	NS	NS	BP	BP
	Fall 2007: W	ater level belo	w top of pum	p, unable to c	collect water le	evel readings	during purging	g.					
GMA1-18	NS	NS	NS	NS	NS	NS	BP	BP	BP	NS	NS	BP	BP
		Fall 2007: Water level below top of pump, unable to collect water level readings during purging. Fall 2004: Well GMA1-18 added to interim monitoring program in place of well ES1-14.											

#### NOTES:

BP - Bladder Pump

PP - Peristaltic Pump

SP - Submersible Pump

BA - Baile

PP/BA - Peristaltic Pump with Bailer used for VOC sample collection

NS - Not Sampled

Well N	D. RF	-0Z			DH-/DRIA N-	SEP	Hsfield.	- CMA	,
Key N		4	·····	9.	onwonua nan mpiling Personn			37474-1	
PID B	ackground (pp		····			4/10/		····	
Well !	łosaspace (pp	m) 🕖					zanny, s	~ ~ 60°F	· · · · · · · ·
WELL INFO	DIIATION:							•	
WELL INFO	rana i run nce Point Marke							16:55	
	of R <del>efe</del> rence Po			G.,			Sample I	D RF-01	ደ
negni	Weil Diame		Meas. Fr	om <u>Grown</u> d			Ouplicate !		
Son	een Interval De		 Mase En	m Gronn	ı		MS/MS		
	Vator Table De			m_T(c_			Split Sample I	D	
		oth 48.2	w Meas, Fro	m 714		Required	Analytic	al Parameters;	Collected
Length	of Water Colu	nn <u> </u>	<del></del>			( )		≥s (Stot. ibst)	( )
		101 9.0190	llons			6 3	,	s (Exp. list)	( )
intake Dept	h of Pump/Tubi	ng <u>9.57</u>	Meas. Fro	m <u>7″/∠</u>	**	( )		SVOCs	( )
					•	( )	PC	Bs (Total)	( )
	int Identification	='				( <b>)</b>	PCB <sub>8</sub>	(Dissolved)	(x)
	iner (PVC) Cas	•				( )	Metals/In	organics (Total)	( )
	Outer (Protectiv	,				( )	Metais/Inorg	anics (Dissolved)	( )
Glade/BGS:	Ground Surface	,				( )	EPA Cyar	side (Dissolved)	( )
Redevelop?	Y (N)					( )	PAC Cyar	ride (Dissolved)	( )
(Constellab)	' (9)					( )	PCD	Ds/PCDFs	( )
						( )	Pesticid	es/Herbicides	( )
						( )		Attenuation	( )
EVACUATION	I INFORMATIO	N	,			( )	Othe	r (Specify)	( )
F	Pump Start Time	15:55							
F	Pump Stop Time	17:05	<del></del>		Evacuation M	ethod: Bailer	/ \ maaaaa	<b>.</b>	
Minu	utes of Pumping	70			Peristattic Pun		( ) Bladder↓ ≀bmersible Pump ∣	Pump ( )	
Volume of V	Nater Removed	1.85 4	Mons			Geo Pu		() Omen	Specify ( )
ם	id Well Go Dry?	YN					ethod as evacuatio	52 ( D N (	
	• .	~		11			obioo as evacuado	n? (Y) N (sp	ecay)
	Water Quality	Meter Type(s) / :	Serial Numbers:	731-5	ST MPS		Yach 210	OP Tur	bidineter
1	Pump	Total	Water	Temp.	230Ac	7	1		
Time	Rate	Gallons	Level	(Celsius)	pH	"Sp. Cond.	Turbidity	DO	ORP
	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	(mS/cm) (3%)*	(NTU)	(mg/l) [10% or 0.1 mg.	(Van)
16:00	100ml	0.13	4.54		(5.7, 5.112.)	1 10 /01		1 10% or 0, 1 mg	/]* [10 mV]*
16:05	<u> </u>				<del>                                     </del>		8		
	100 ml	0.26	4.54	9.50	6.79	0.609	6	5.25	163.2
16:10	100ml	0.40	4.56	8.79	6.86	0.610	7	0.97	164.8
	100ml	0.53	4.56	8.90	/- 90				
				<del>+~:</del>	6.90	0.611	7	0.67	164-9
	100ml	0.66	4.56	8-70	6.92	0.612	7	0.61	164.9
16:25	100ml	1					7	0.56	163.8
16:25	100ml	0.66	4.56	8-70	6.92	0.612	7	0.56 0.48	163.8
16:25	100ml	0.66	4.56	8-70 8-58	6.92	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69	163.8 160.0. 156.2
16:25 16:30 16:35	100ml 100ml 100ml	0.66	4.56 4.56 4.56 4.50	8-70 8-58 8-15 8-06	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8
16:25 16:30 16:35	100 m l 100 m l 100 m l n criteria for es	0.66 0.79 0.92 /-06 ch field paramet	4.56 4.56 4.56 4.56	8-70 8-58 8-15 8-06	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16: 2.5 16:30 16:35 *The stabilization OBSERVATION	(00 m)  (00 m)  (00 m)  (00 m)  (criteria for each	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8-70 8-58 8-15 8-06 cutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16: 2.5 16:30 16:35 *The stabilization OBSERVATION	(00 m)  (00 m)  (00 m)  (00 m)  (criteria for each	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8-70 8-58 8-15 8-06 cutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16: 2.5 16:30 16:35 *The stabilization OBSERVATION	(00 m)  (00 m)  (00 m)  (00 m)  (criteria for each	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8-70 8-58 8-15 8-06 cutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16: 2.5 16:30 16:35 *The stabilization OBSERVATION	(00 m)  (00 m)  (00 m)  (00 m)  (criteria for each	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8-70 8-58 8-15 8-06 cutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16:25 16:30 16:35 *The stabilization **The sta	100ml 100ml 100ml noriteria for easis/SAMPLING I Purgo Purgo	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8-70 8-58 8-15 8-06 cutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16:25 16:30 16:35 The stabilization OBSERVATION Tailin Final	100ml 100ml 100ml noriteria for easis/SAMPLING I Purgu	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8-70 8-58 8-15 8-06 cutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16:25 16:30 16:35 The stabilization OBSERVATION Tailin Figural SAMPLE DESTE	100ml 100ml 100ml noriteria for easis/SAMPLING I Purgu Purgu NATION 56J	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8-70 8-58 8-15 8-06 cutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16:25 16:30 16:35 The stabilization The stabiliz	100 ml 100 ml 100 ml noriteria for ear S/SAMPLING I Pary v': NATION SGJ UPF	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8.70 8.58 8.15 8.06 Sutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617 5.417	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2
16:25 16:30 16:35 The stabilization OBSERVATION Tailin Figural SAMPLE DESTE	100 ml 100 ml 100 ml noriteria for ear S/SAMPLING I Pary v': NATION SGJ UPF	0.66 0.79 0.92 1.06 ch field paramet	4.56 4.56 4.56 4.56 er (three consec	8.70 8.58 8.15 8.06 Sutive readings of	6.92 6.94 6.92 6.93	0.612 0.616 0.617 5.417	7 6 6	0.56 0.48 0.69 6.70	163.8 160.0. 156.2

C:WORKGEG-oundwiden654189AllechmentD-2

Well No. <u>RF-02</u>	Site/GMA Name	GE Pitts field / GMA-1
	Sampling Personnel	GAR/RJP
	Date	4/101.08
	Weather	Junny, 550F, Windy
		, , , , , , , , , , , , , , , , , , , ,

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) (3%)*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
16:40	100ml	1.19	4.56	8.03	6.92	0.618	6	0.67	152.1
16:45	100ml	1.32	4.56	7.99	6.90	0.619	5-	0.69	148.7
16:50	100ml	1.45	4.56	7.91	6.89	0.618	5	0.64	147.0
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			***************************************						eli e e e e e e e e e e e e e e e e e e
								nigrijaan ah Pagelegereyee i wera e was ta ta a ta a a	enter an increase according
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- Tradition reserved a serve reference of the desire									. Maring, April - N. W. yeld yeld in the systematic
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* the stabilization enteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	

		C-EB-	14		Site/GMA Nan	no GF F	2:45 fi.11	-GMA-1	
	to			Sa	mpting Personn	m <u>GBR/</u>	RIP		
	ackground (pp	·	····	·	Da	to 4/11/0	8		
Well	Headspace (pp	m) <u>O</u>						40-45-VF	
WELL INFO		_					Sample Tin	ne <u>/5:/5</u>	
Refere	nce Point Marke							D 3-6C-E	
Height	of Reference Po	oint 0.50	2 Meas, Fro	m Groun	vd.		Duplicate l		
	Well Diame						MS/MS	·	
Scr	een Interval De	pth <u>/2 '- <b>22</b> ,</u>	Meas, Fro	m Graun	,}				
	Water Table Dep		/	m			Split Sample i	r	<del></del>
	Well Dep	oth 21.54		m 716		Required	Amobalia	ml Clause	
Lengti	n of Water Colur	nn 12.49	7			(X)		al Parameters:	Collected
		of 2.049				( )		Cs (Std. list)	( <del>1</del> )
		ng 16.3	<del></del>	m T/c		( )		8 (Exp. list)	( )
						( )		SVOCs	( )
Reference Po	oint identification	1:				( )		Bs (Total)	( )
TIC: Top of I	nner (PVC) Cas	ina				( )		(Dissolved)	( )
	Outer (Protectiv	•				( )		organics (Total)	( )
	Ground Surface					( )		janics (Dissolved)	( )
		•				( )		nide (Dissolved)	( )
Redevelop?	Y (N)					( )		nide (Dissalved)	( )
	. (5)					( )	PCD	Ds/PCDFs	( )
						( )	Pesticid	es/Herbicides	( )
						( )	Natura	Attenuation	( )
EVACUATION	N INFORMATIO	N				( )	Othe	r (Specify)	( )
	Pump Start Time								
		75120	<del></del>						
Min	utes of Pumping	· RA				ethodt Bailer		Pump 🔏 )	
Volume of t	Water Removed	2./9.	ر سماآ		Peristattic Pur	np() Si	ibmersible Pump	( ) Other/Sp	ecify ( )
	id Weil Go Dry?		T/0-12		Pump Type:	Marse	hall -51	stem o	<u> </u>
_	, .				Samples colle	cted by same me	ethod as evacuatio	n? (Y) N (spec	ify)
	Water Quality I	Meter Type(s) / \$	Serial Numbers:	151.5	56 MPS	14	ach 210	OP Turb	من المنازلان
,	<del></del>	<del></del>	<del></del>	0340	ZBOAC				74.0
l	Pump	Total	Water	Temp.	рН	"Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	(Colsius)	ļ	(mS/cm)	(NTU)	(mg/l)	(mV)
	(L/min.)	Removed	(Rt TIC)	[3%]-	[0.1 units]*	[3%]*	[10% or 1 NTU]*	1 ' • '	[10 mV]*
14280	100ml	0.26	9.07		-		19		
14:20	100 ml	0.53	9.06	9.22	6.44	2.110	13	3.88	192.1
14:25	100m)	0.66	9.06	9.16	6.43	2.096	9	1.48	193.7
14:30	100ml	0.79	9-07	9.07	6.45	Z.033	8	1-24	195.4
14:35	100ml	0.92	9.07	9.02	6.45	1.954	6	1.10	196.9
14:40	100 ml	1.06	9.07	9.01	6.45	1.877	6	1.05	198.4
14:45	100 ml	1-19	9.07	8.99	6.44	1.825	6	0.91	199.3
14:50	100m)	1.32	9.06	8.94	6.49	1.768	5	0.93	200.3
*The stabilization	n criteria for eac	ch field paramet	or (three consec			Similarita interior	s) is listed in each		
OBSERVATION	IS/SAMPLING A	METHOD DEVIA	TIONS			~ menuco morval	o y na naotero ⊮n evarch i	cosumn heading.	
IIn, it									
£ ^		··· / ··· )	, - ~ ~ ·		pet	ro Odo	<u></u>		
	Loh	901 C/	cary and	<b>5</b> /2 c	tro o	dor			
<del></del>	·		<u> </u>			·····			
SAMPLE DEST									
Laboratory: _	<u>565</u>								
Delivered Via:									
Airbill#:_					Field Semester.	Caardin-t	C		and the second s
_				•	Field Sampling	CONTRACTOR	June 7		

Weil No.	3-6C-EB-14	Site/GMA Name	GE	Pittsfield-GMA-1	
-		Sampling Personnel			
		Date	7/11	108	
		Weather	miles	100 mm	

Time	Pump Rate (Ľľmin.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	(mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
14:55	100ml	1.45	9.06	8.94	6.49	1.726	6	0.98	201.2
15:00	100 ml	1.59	9.06	8.91	6-51	1.694	5	0.89	201.4
1505	100ml	1.72	9.07	8.90	6-51	1.674	4	0.84	202.4
15:10	100ml	1.85	9.07	8.91	6.52	1.655	3-	0.91	202.5
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}									
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* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS

Screen inter Water Tal W Length of Wate	DN Nence Point III Diameter Porval Depth III Selection Well Depth III Selection Well Depth III Selection III Selec	Meas. From	_	oling Personne Dati Weathe	4]7,	RAB 108 Breezy	- Ligh	405
Well Headspace PELL INFORMATION Reference Point Height of Refere Well Screen Inter Water Tal W Length of Wate Volume of Wate	DN Nence Point III Diameter Porval Depth III Selection Well Depth III Selection Well Depth III Selection III Selec	Meas. Fron	_	Date	·4/7,	f	Ligh	405
Well Headspace VELL INFORMATION Reference Point Height of Refere Well Screen Inter Water Tal W Length of Wate Volume of Wate	DN  nt Marked? Y N  nence Point  ill Diameter  erval Depth  able Depth  Well Depth	Meas. From				f	- Ligh	405
Reference Point Height of Refere Well Screen Inter Water Tal W Length of Wate Volume of Wate	nt Marked? Y N mence Point will Diameter prival Depth able Depth Well Depth	<del></del>	_			f	12/2/	
Reference Point Height of Refere Well Screen Inter Water Tal Langth of Wate Volume of Wate	nt Marked? Y N mence Point will Diameter prival Depth able Depth Well Depth	<del></del>	_			A		
Reference Point Height of Refere Well Screen Inter Water Tal Langth of Wate Volume of Wate	nt Marked? Y N mence Point will Diameter prival Depth able Depth Well Depth	<del></del>	_				CCC	
Height of Refere Well Screen Inter Water Tal W Length of Wate Volume of Wate	rence Point  Il Diameter	<del></del>	_			Sample Time Sample ID	CALA	12
Well Screen Inter Water Tal W Length of Wate Volume of Wate	will Diameter Z erval Depth /5 Z able Depth / C	<del></del>				•		+>
Screen inter Water Tail W Length of Wate Volume of Wat	erval Depth 5 2 able Depth 6 6	<del>Z-</del>	n			Ouplicate ID		
Water Tai W Length of Wate Volume of Wat	able Depth // // Well Depth // //		1720			MS/MSD		
W Length of Wate Volume of Wat	Well Depth	🔔 Meas. Fron		J., W		Split Sample ID		
Length of Wate Volume of Wat		Meas. From						
Volume of Wat	Tour Column 177. 32	Meas. Fron	1 <u>T/C</u>		Required	<u>Analytica</u>	Parameters;	Collected
					( )	VOCs	(Std. list)	( )
ntake Depth of Pum	ater in Well 1.68g.	w llows	218		( 5	. VOCs	(Exp. list)	( )
	mp/Tubing/	Meas. From	, Da		( }	S	/OCs	( )
	- 🕻			·-	( )	PCB	s (Total)	( )
eference Point Identi	ntification:				(X)		Dissolved)	
C: Top of Inner (PV					• ′		•	\ <b>~</b> (
DC: Top of Outer (P	•				( )		rganics (Total)	( )
	. •				( )	_	nics (Dissolved)	( )
ade/BGS: Ground S	aunace .				( )	,	de (Dissolved)	( )
					( )	•	de (Dissolved)	<b>(</b> )
edevelop? Y (_					( )	PCDD	s/PCDFs	( )
					₹ 1	Pesticide	s/Herbicides	( )
					į )	Natural /	Attenuation	( )
					( )	Other	(Specify)	( )
Pump St Pump St	itop Tinue 1405	1 <del>505</del> 13	:05	Evacuation Me	•	) Bladder P	ump 🔥)	
Pump St Pump St Minutes of P Volume of Water Re Did Well C	Start Time 3.05 Stop Time 14.00 Pumping 0.0 Removed 3.25	<del>1605</del> 13 - gallons	e , ampiro	Peristatic Puri Pump Type: Samples collec	ted by same me	ibn: make Pump ( Pump Z  athod av evacuation	Other/Sp	-,
Pump Str Pump Str Minutes of P Volume of Water Ro Did Well C	Start Time 5.05. Stop Time 14.05 Pumping 20 Removed 3.25	gallons	Y3T #	Peristatic Pum Pump Type: Samples collec	ted by same me	ibn: make Pump ( Pump Z  athod av evacuation	) Other/Sp	sify)
Pump St Pump St Minutes of P Volume of Water Re Did Well ( Water (	Start Time 3 (0) Stop Time 4 (0) Pumping 6 0 Removed 3 2 5 IGo Dry? Y N	9 ~ Ilons Serial Numbers:	YST #	Peristatic Purr Pump Type: Samples collect	Geo ted by same me	bri mask dump ( Pump z othod ar evacuation	) Other/Sp 17 (Y) N (spec	P Tu-5,
Pump Str Pump Str Minutes of P Old Well C Water C	Start Time 3 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	gallons	Y5	Peristatic Pum Pump Type: Samples collec	ted by same me	bin mask sump ( Pump 2  othod as evacuation  Turbidity	) Other/Sp 17 (Y) N (spec	P 74-5,
Pump Str Pump Str Minutes of P Volume of Water Re Did Well ( Water ( Pu	Start Time Stop	Serial Numbers:	Temp. (Celsius)	Peristatic Purr Pump Type: Samples collect  2 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	Sp. Cond. (mS/cm)	Dr. Misski Sump ( Pump 2  othod as evacuation  Turbidity (NTU)	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Sti Minutes of P /olume of Water Ri Did Well (  Water (  Pu Time R.	Start Time Stop Tin:e Pumping Removed S. Z. S I Go Dry? Y N  Pump Total Rate Gailons /min.) Removed	9~/lpn3 Serial Numbers:	Y5	Peristatic Purr Pump Type: Samples collect	ted by same me	bin mask sump ( Pump 2  othod as evacuation  Turbidity	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Sti Minutes of P Volume of Water Re Did Well ( Water ( Pu	Start Time Stop Tin:e Pumping Removed S. Z. S I Go Dry? Y N  Pump Total Rate Gailons /min.) Removed	Serial Numbers:	Temp. (Celsius)	Peristatic Purr Pump Type: Samples collect  2 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	Sp. Cond. (mS/cm)	Dr. Misski Sump ( Pump 2  othod as evacuation  Turbidity (NTU)	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Sti Minutes of P Volume of Water Ri Did Well (  Water (  Time R. (L/r	Start Time Stop	Serial Numbers:	75 Temp. (Celsius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Dr. Misski Sump ( Pump 2  othod as evacuation  Turbidity (NTU)	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Sti Minutes of P Volume of Water Re Did Well C Water C  Time R. (Lin 3 15 160	Start Time Stop Time Pumping Removed Go Dry?  Y N  r Quality Meter Type(s) / 3  rump Total Rate Gallons Jmin.) Removed	Serial Numbers:	(Coisius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Sti Minutes of P Volume of Water Re Did Well C Water C  Time R. (Lin 3 15 160	Start Time 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Serial Numbers:	75 Temp. (Celsius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity [10% or 1 NTUP	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Ste Minutes of P Volume of Water Re Did Well C Water C  Time R (Lin 3/15/10/03	Start Time 3.00 Stop Time 14.00 Pumping 2.00 Pumping 3.2.5 Y N Pump Total Rate Gallons Removed 10.00 Pump Total Gallons Removed 10.00 Pumpin.)	Serial Numbers:	(Coisius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (SCUE TO	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Ste Minutes of P Volume of Water Re Did Well C Water C  Time R (Lit 3 15 100 3 20 25	Start Time 3.05 Stop Time 1400 Pumping 20 Removed 3.25 IGO Dry? Y N r Quality Meter Type(s)/3 rump Total Rate Gallons Jimin.) Removed 20 0.13 0.0.75	Serial Numbers:	(Coisius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (SCORE)	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Ste Minutes of P Volume of Water Re Did Well C Water C  Time R (Lit 3 15 100 3 20 25	Start Time 3.00 Stop Time 14.00 Pumping 2.00 Pumping 3.2.5 Y N Pump Total Rate Gallons Removed 10.00 Pump Total Gallons Removed 10.00 Pumpin.)	Serial Numbers:	(Coisius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (SCUE TO	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Ste Minutes of P Volume of Water Re Did Well C Water C  Time R (Lin 3/15/10/03	Start Time 3.05 Stop Time 14.05 Pumping 2.0 Removed 3.2.5 I Go Dry? Y N  r Quality Meter Type(s)/3  r	Serial Numbers:	(Coisius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (SCORE)	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Ste Minutes of P Volume of Water Re Did Well C Water C  Time R (Lin 3/15/10/03	Start Time 3.05 Stop Tin:e 1400 Pumping 20 Removed 3.2.5 IGO Dry? Y N  r Quality Meter Type(s)/3 Pump Total Gallons Jimin.) Removed 20 0.13 0.0.13 1.12 1.12	Serial Numbers:	(Coisius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (SCORE)	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Sti Pump Ste Minutes of P Volume of Water Re Did Well C Water C  Time R (Lin 3 15 100 3 15 20	Start Time 3.05 Stop Tin:e 1400 Pumping 20 Removed 3.2.5 IGO Dry? Y N  r Quality Meter Type(s)/3 Pump Total Gallons Jimin.) Removed 20 0.13 0.0.13 1.12 1.12	Serial Numbers:	(Coisius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (SCORE)	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP
Pump Str Pump Str Minutes of P Volume of Water Re Did Well C Water C Time R (Lir 15 100	Start Time 3.05 Stop Time 14.05 Pumping 2.0 Removed 3.2.5 I Go Dry? Y N  r Quality Meter Type(s)/3	Serial Numbers:	(Coisius) [3%]*	Peristatic Purr Pump Type: Samples collect  2	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (SCORE)	) Other/Sp 17 (Y) N (spec	P Tu-S, ORP

Well No. (3 MA 1-13	Site/GMA Name	GHA1	
	Sampling Personnel	KLC /RAB	•
	Date	(11:00)	
	Weather	Sunny Preezy Mid 40s	
			•

WELL	INFORM.	ATION	- See	Page	1
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Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1350	250	2.44	15.68	9.85	6.68	0,875	23	2.87	157.9
355	250	2.77	15.68	9.89	6.60	0.873		2.88	156.3
		Sunj	skel @	1354					
		74111							
									and the same of th
				,					h rawahawanaka - iyo a shada dhibadid t
	,								
	<b>V</b> .			,		et.			
									<u></u>

	* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
Ć.	OBSERVATIONS/SAMPLING METHOD DEVIATIONS
j	

Well No	o. <u>EZS</u>	<u> </u>			SHe/GMA Nam	·62 11	Hs field	-6MA-1	
Key No	o ٪٪ - ر	7			pling Personne				
	ckground (ppn			<del></del>		• 4/3/08			
Well H	i <del>oadspa</del> ce (ppm	)		Transia.	Weathe	· Mostly.	sunny, 4	5 50°F	
WELL INFOR	MATION						Sample Time	17:10	
Referen	ce Point Marked	17 🕢 N.					Sample II	F25C -	2.3
Height o	if R <del>ofe</del> rence Poi	n + 2.01	Meas. Fron	n Ground			Ouplicate II	)'	
	Well Diamete		<u> </u>				MS/MSE	)	
	en Interval Depi			1 Ground			Split Sample ID	)	
V	Vater Table Dept		Meas. From	7.7C					
t		h <u>21.17/</u>	Meas, From	TLE	nous.	Required		l Parameters:	Collected
-	of Water Colum e of Water in We	·	Han I			( )		s (Std. list)	( )
	n of Pump/Tubin			TIL		( )		(Exp. list) (VOCs	( )
·				·		( )		ls (Total)	( )
Reference Po	int Identification:					(سيد)		(Dissolved)	(X)
TIC: Top of In	ner (PVC) Casir	1g				( )	Metals/Inc	rganics (Total)	( )
TOC: Top of	Outer (Protective	) Casing				( )	Metals/Inorga	anics (Dissolved)	( )
Grade/BGS:	Ground Surface					( )	EPA Cyan	ide (Dissolved)	( )
	× (3)					( )		ide (Dissolved)	( )
Redevelop?	Y (N)					( )		Ds/PCDFs	( )
						( )		s/Herbicides	( )
						( )		Attenuation (Specify)	( )
EVACUATION	INFORMATION	i				. ,	Care	(apout)	( )
	Pump Start Time				•				
F	ump Stop Time	17:20			Evacuation M	ethod: Builer (	( ) Bladder i	Pump (X)	
	utes of Pumping				Peristaltic Pun		ıbmersible Pump (		ecify ( )
	Nater Removed		دومال	•			NK-541		
D	id Well Go Dry?	Y (N)			Samples colle	cted by same me	athad ac arigaratia	- C	
							TO KNO AS GVACUADO	n? (Y) N (spec	¥γ)
	·	feter Type(s) / 5	Serial Numbers:	V51-55					•
<b></b>	Water Quality N	·		<u> </u>	6MPS			n? (y) N (speci	•
T	Water Quality M	Total	Water	<i>○3003</i> Temp.	6MPS	Sp. Cond.	Yach 210	00 Tu-1	Sidim eter
Time	Water Quality N	·		Temp. (Celsius)	792AE	Sp. Cond.	Turbidity (NTU)	00 (mg/l)	ORP (mV)
	Pump Rate (Limin.)	Total Gallons	Water Level (ft TIC)	<i>○3003</i> Temp.	GMPS 192AE	Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]	00 (mg/l)	ORP (mV)
Time 16:20 16:38	Pump Rate (Limin.)	Total Gailons Removed	Water Level	(Celsius)	79 Z A E pH [0.1 units]*	# 2 Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	00 (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
16:20 16:38	Pump Rate (L/min.)  100m/	Total Gallons Removed 0.13	Water Level (ft TIC) 14. 29	7 - 4 Z	7-53	\$p. Cond. (mS/cm) (3%)*	Turbidity (NTU) [10% or 1 NTU]	00 (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
16:20 16:38 16:40	Pump Rate (L/min.)  100m/ 100m/ 100m/	Total Gallons Removed 0.13 0.53 0-66	Water Level (ft TIC)  14. 29	(Celsius)	7. 42.	# Z .Sp. Cond. (mS/cm) (3%)* 0.350 0.351	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]*  6 - 00  5.3 1	ORP (mV) [10 mV]*
16:20 16:38 16:40 16:45	Pump Rate (Limin.)  100m  100m  100m  100m  100m  100m  100m	Total Gallons Removed 0.13 0.53 0.66 0.79	Water Level (RTIC) 14.29 14.45 14.47 19.49	7.42 7.30 7.15	7.53 7.42-7.39	\$p. Cond. (ms/cm) (3%)* 	Turbidity (NTU) [10% or 1 NTU]	00 (mg/l) [10% or 0.1 mg/l]*  6-00  5.31  4.44	ORP (mV) [10 mV]* 141.5 149.0
16:20 16:38 16:40 16:45 16:50	Pump Rate (L/min.)  100m/ 100m/ 100m/	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92	Water Level (RTIC) 14.29 14.45 14.47 14.49 14.52	7.42 7.43	7.53 7.42 7.45	# Z _Sp. Cond. (mS/cm) (3%)*  0.350 0.351 0.350	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]*  6.00  5.31  4.44  4.19	ORP (mV) [10 mV]* 
16:20 16:38 16:40 16:45 16:50 16:55	Pump Rate (Umin.)  100m/ 100m/ 100m/ 100m/ 100m/ 100m/ 100m/ 100m/	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06	Water Level (ft TIC) 14. 29 14. 45 14. 47 19. 49 14. 52	7.42 7.30 7.43 7.13	7.53 7.42 7.45 7.45	\$p. Cond. (ms/cm) (3%)* 0.350 0.351 0.349 0.350 0.353	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.31  4.44  4.19	ORP (mV) [10 mV]* 141.5 144.5 148.3 143.7 143.5
16:20 16:38 16:40 16:45 16:50 16:55 17:00	Pump Rate (L/min.)  100m/ 100m/ 100m/ 100m/ 100m/ 100m/ 100m/ 100m/	Total Gailons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19	Water Level (RTC) 14.29 14.45 14.47 14.49 14.52 14.52	7.42 7.30 7.15 7.13 7.17	7.53 7.42 7.45 7.45	# Z _Sp. Cond. (ms/cm) [3%]* 	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]*  6.00  5.31  4.44  4.19  4.19	ORP (mV) [10 mV]* 
16:20 16:38 16:40 16:45 16:50 16:55 17:00 17:05	Pump Rate (L/min.) 100m/	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19	Water Level (RTIC) 14.29 14.45 14.47 19.49 14.52 14.52 14.52	7.42. 7.42. 7.43 7.13 7.13 7.17	7.45 7.45 7.45 7.45 7.45 7.45 7.45 7.45	# 2 _Sp. Cond. (mS/cm) [3%]*  0.350 0.351 0.359 0.353 0.352	Turbidity (NTU) [10% or 1 NTU]*  Z  I  I  I	00 (mg/l) [10% or 0.1 mg/l*  6.00  5.31  4.44  4.19  4.10  4.14	ORP (mV) [10 mV]* 141.5 144.5 148.3 143.7 143.5
16:20 16:35 16:40 16:45 16:50 16:55 17:00 17:05	Pump Rate (Umin.)  100m)  100m1  100m1  100m1  100m1  100m1  100m1  100m1	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC) 14. 29 14. 45 14. 47 14. 47 14. 52 14. 52 14. 52 14. 52 er (three consections)	7.42. 7.43. 7.13 7.17 7.23	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# 2 .Sp. Cond. (mS/cm) (3%)* 	Turbidity (NTU) [10% or 1 NTU]*  Z  i	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.3    4.44  4.19  4.10  4.14  4.06  column heading.	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 140.5 143.0
16:20 16:35 16:40 16:45 16:50 16:55 17:00 17:05 *The stabilizatio	Pump Rate (Umin.)  100m)  100m1  100m1  100m1  100m1  100m1  100m1  100m1	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 43  14. 43  14. 52  14. 52  14. 52  14. 52  14. 52  14. 52  14. 53	7.42. 7.43. 7.13 7.17 7.23	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# 2 "Sp. Cond. (mS/cm) (3%)* 0.350 0.351 0.350 0.353 0.352 0.352 5-minute interva c./k 10	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.3   4.44  4.19  4.10  4.14  4.06  column heading.  Reading	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 143.5 143.0 :10.02
16:20 16:35 16:40 16:45 16:50 16:55 17:00 17:05 The stabilization	Pump Rate (Limin.)  100ml	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 47  14. 47  14. 52  14. 52  14. 52  14. 52  14. 52  40-11	7.42. 7.43. 7.13 7.17 7.23	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# Z  "Sp. Cond. (mS/cm) (3%)*  0.350  0.351  0.359  0.3552  0.352  5-minute interva	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.31  4.44  4.19  4.10  4.14  4.06  column heading.  Rending	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 143.5 143.0 :10.02 3.97
16:20 16:35 16:40 16:45 16:50 16:55 17:00 17:05 The stabilization	Pump Rate (Umin.)  100m)  100m1  100m1  100m1  100m1  100m1  100m1  100m1	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 47  14. 47  14. 52  14. 52  14. 52  14. 52  14. 52  40-11	7.42. 7.43. 7.13 7.17 7.23	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# Z  "Sp. Cond. (mS/cm) (3%)*  0.350  0.351  0.359  0.3552  0.352  5-minute interva	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.3   4.44  4.19  4.10  4.14  4.06  column heading.  Reading	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 140.5 143.0
16:20 16:35 16:40 16:45 16:50 16:55 17:00 17:05 The stabilization	Pump Rate (Limin.)  100ml	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 47  14. 47  14. 52  14. 52  14. 52  14. 52  14. 52  40-11	7.42. 7.43. 7.13 7.17 7.23	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# Z  "Sp. Cond. (mS/cm) (3%)*  0.350  0.351  0.359  0.3552  0.352  5-minute interva	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.31  4.44  4.19  4.10  4.14  4.06  column heading.  Rending	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 143.5 143.0 :10.02 3.97
16:20 16:38 16:40 16:45 16:50 16:55 17:00 17:05 *The stabilization OBSERVATION To, find	Pump Rate (L/min.) 100m/	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 47  14. 47  14. 52  14. 52  14. 52  14. 52  14. 52  40-11	7.42. 7.43. 7.13 7.17 7.23	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# Z  "Sp. Cond. (mS/cm) (3%)*  0.350  0.351  0.359  0.3552  0.352  5-minute interva	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.31  4.44  4.19  4.10  4.14  4.06  column heading.  Rending	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 143.5 143.0 :10.02 3.97
16:20 16:37 16:40 16:45 16:50 16:55 17:00 17:05 *The stabilization OBSERVATION To, final	Pump Rate (L/min.)  100m/ 100m	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 47  14. 47  14. 52  14. 52  14. 52  14. 52  14. 52  40-11	7.42. 7.43. 7.13 7.17 7.23	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# Z  "Sp. Cond. (mS/cm) (3%)*  0.350  0.351  0.359  0.3552  0.352  5-minute interva	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.31  4.44  4.19  4.10  4.14  4.06  column heading.  Rending	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 143.5 143.0 :10.02 3.97
16:20 16:37 16:40 16:45 16:50 16:55 17:00 17:05 *The stabilization OBSERVATION To, final Laboratory:	Pump Rate (L/min.)  100m/ 100m	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 47  14. 47  14. 52  14. 52  14. 52  14. 52  14. 52  40-11	7.42. 7.43. 7.13 7.17 7.23	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# Z  "Sp. Cond. (mS/cm) (3%)*  0.350  0.351  0.359  0.3552  0.352  5-minute interva	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.31  4.44  4.19  4.10  4.14  4.06  column heading.  Rending	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 143.5 143.0 :10.02 3.97
16:20 16:37 16:40 16:45 16:50 16:55 17:00 17:05 *The stabilization OBSERVATION To, final	Pump Rate (L/min.)  100m/ 100m	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 47  14. 47  14. 52  14. 52  14. 52  14. 52  14. 52  40-11	7.42. 7.30 7.15 7.17 7.23 suttve readings of	7.45 7.45 7.45 7.45 7.45 7.45 7.45	# 2 .Sp. Cond. (mS/cm) (3%)* 0.350 0.351 0.349 0.353 0.352 0.352 5-minuto interva c./k. 10	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.31  4.44  4.19  4.10  4.14  4.06  column heading.  Rending	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 143.5 143.0 :10.02 3.97
16:20 16:35 16:40 16:45 16:50 16:55 17:00 17:05 *The stabilization OBSERVATION To, final Eight Laboratory; Defivered Via:	Pump Rate (L/min.)  100m/ 100m	Total Gallons Removed 0.13 0.53 0.66 0.79 0.92 1.06 1.19 1.32 ch field parameter	Water Level (ft TIC)  14. 29  14. 47  14. 47  14. 52  14. 52  14. 52  14. 52  14. 52  40-11	7.42. 7.30 7.15 7.17 7.23 suttve readings of	7.45 7.45 7.45 7.45 7.45 7.45 7.45 7.45	# 2 .Sp. Cond. (mS/cm) (3%)* 0.350 0.351 0.349 0.353 0.352 0.352 5-minuto interva c./k. 10	Turbidity (NTU) [10% or 1 NTU]  Z  / / / / / / / / / / / / / / / / /	DO (mg/l) [10% or 0.1 mg/l]  6.00  5.31  4.44  4.19  4.10  4.14  4.06  column heading.  Rending	ORP (mV) [10 mV]* 141.5 149.0 148.3 143.7 143.5 143.5 143.0 :10.02 3.97

C:WORKIGEGroundwater654199Attachmeng2-

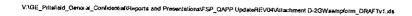
	o. <u>E</u> SZ	بري کي		_	Site/GMA Name	(57)	1111		·-·	
Key N		X-31		Sam	opling Personne	· <i>JA</i> n	PAMB.			
	ckground (pp	· ———	····		Date	•4/	18/08	···		
Well H	lesdepace (pp	m)			Weathe	Suite	1/1600	<u> </u>		
							/	10.50		
WELL INFO		13					Sample Time	<u>, /05</u> 0	<i>)</i>	
	ice Point Marke		_				Sample II	ES20-	24	
Height o	of Reference Po	oint <u>~ / , 9                                 </u>	Meas. Fron	n <u>GROUN</u>	$\supseteq$		Duplicate II	)		
	Well Diame		<del></del>	Δ.			MS/MS	)		
Son	on interval Dep	oth <u>9-79</u>	Meas. Fron	1 <u>165</u>	-		Split Sample II	·		
٧	Vater Table Des		Meas. From	· · · · · · · · · · · · · · · · · · ·						
	Well Dep		Meas. From	·	<u>—</u>	Required	Analytic:	i Parameters:	Collected	
_	of Water Colum					( )	VOC	s (Std. list)	( )	
	e of Water in W		<del></del>	-ri0		< 5	' VOC	(Exp. list)	( )	
intake Dept	h of Pump/Tubi	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	Meas, From	, TIC		( )	s	VOCs	( )	
						( )	PCE	is (Total)	( )	
Reference Po	int Identification	<b>:</b>				( <b>∑</b> i	PCBs	(Dissolved)	( <b>&gt;&gt;</b> )	
•	ner (PVC) Cas	•				( )	Metals/inc	organics (Total)	( )	
	Outer (Protectiv	.,				( )	Metals/Inorga	anics (Dissolved)	( )	
Grade/BGS:	Ground Surface	,				( )	EPA Cyan	ide (Dissolved)	( )	
	$\wedge$					( )	PAC Cyan	ide (Dissolved)	( )	
Redevelop?	Y(N)					( )	•	Os/PCDFs	( )	
						( )	Posticide	s/Herbicides	( )	
						( )	Natural	Attenuation	( )	
						( )	Other	(Specify)	( )	
EVACUATION	INFORMATIO	N GAC								
f	ump Start Time	, 704	<b></b>							
f	Pump Stop Time	<u> </u>			Evacuation Me	thod: Bailer (	( ) Bladder i	omp 🔀)		
	utes of Pumping		- 0		Peristatic Pum		ibmersible Pump (		cify ( )	
Volume of \	Nater Removed	1 2069	zal		Pump Type:	System	1 L Blac	lder Pu		
D	id Well Go Dry?	Y (N)	)							
						ted/by same ma	Mbovi as evacuatio	n? ( V ` N /enanéh	as f	
	• •	$\sim$			Ownipies collec	ted/by same me	ethou as evacuatio		n '	
		Meter Type(s) / S	erial Numbers:	YS1 5	556 MP	S S/N	_	92 17E	•	
<del></del>		Meter Type(s) / S	erial Numbers:	YSI 5 HACH	JUR R	S S/N DMET	_	92 17E	•	<u>-</u> 5
Į		Meter Type(s) / S	erial Numbers:	YSI 5 HACH Temp.	556 MP	s s/N	· 03003	92 17E	0 C 70 C	<del>,</del> az
Time	Pump	·	1	HACH	JUR R	S S/N BMET	: 03003 ER 5/A	92 /7E 0: 94/100	00070	<b>5</b> a 2
Time	Water Quality	Total	Water	Temp.	JUR R	S S/N NME 7	CBCOS FRSA Turbidity (NTU)	92 17E 3: 941100	ORP	<b>5</b> a 3
Time	Pump	Total Gailons	Water Level (ft TIC) 14.02	Temp. (Celsius)	TUR R	S S/N NET Sp. Cond. (mS/cm)	CBCOS FRSA Turbidity (NTU)	972 17E 0; 941100 (mg/l)	OG	5 & 3
Time	Pump	Total Gailons	Water Level	Temp. (Celsius) [3%]*	TUR R	S S/N MET ,sp. Cond. (mS/cm) [3%]*	CBCOS FRS/A Turbidity (NTU) [10% or 1 NTU]	972 17E 0; 941100 (mg/l)	OG	<b>5</b> & <u>2</u>
Time 910 915 920	Pump	Total Gailons	Water Level (ft TIC) 14.02	Temp. (Celsius) [3%]*	TUR R. pH  [0.1 units]*	S S/N / MET ,Sp. Cond. (mS/cm) [3%]*	CBCOS FRS/A Turbidity (NTU) [10% or 1 NTU]	92 17E ); 941100 DO (mg/l) [10% or 0.1 mg/l]*	OG	5 & ?
Time 910 915 920 925	Pump	Total Gailons	Water Level (ft TIC) 14.02	Temp. (Celsius) [3%]*	TUR P. pH  [0.1 units]*	S S/N / MET ,Sp. Cond. (mS/cm) [3%]*	- O3CO3 FR S/A Turbidity (NTU) [10% or 1 NTUP   38   142	92 17E ); 941100 DO (mg/l) [10% or 0.1 mg/l]*	OG	293
910 915 920	Pump Rate (MJmin.) 100 50	Total Gallons Removed 0.024 0.092 0.158	Water Level (ft TIC) 14.02 13.99	Temp. (Celsius) [3%]*	TUR P. pH  [0.1 units]*	S S/N / MET ,Sp. Cond. (mS/cm) [3%]*	- OBCOS FR S/A Turbidity (NTU) [10% or 1 NTU]* 138 142 108	92 /7E ); 94/100 DO (mg/l) [10% or 0.1 mg/l]*	OG	ક હ્યું 2
910 915 920	Pump Rate (Al-min.) 100 50 75	Total Gallons Removed 0.024 0.092 0.158 0.257	Water Level (ft TIC) 14.02 13.99 13.99	Temp. (Cataius) [3%]*	SOMP TWR C. pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- O3CO3 FR S/A Turbidity (NTU) [10% or 1 NTUP 138 [42 [08	92 /7E ); 94/100 DO (mg/l) [10% or 0.1 mg/l]*	OG	ક હા ?
910 915 920	Pump Rate (Al-min.) 100 50 75	Total Gallons Removed 0.024 0.092 0.158 0.257	Water Level (ft TIC) 14.02 13.99 13.99 13.99	Temp. (Celaius) [3%]*	SOMP TWR C. pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- O3CO3 FR S/A Turbidity (NTU) [10% or 1 NTU]* 138 142 108 106 106	72 /7E 3: 94 / 100 (mg/l) [10% or 0.1 mg/l]*	OG	ક હ્યું ટ
910 915 920	Pump Rate (Al-min.) 100 50 75	Total Gallons Removed 0.024 0.092 0.158 0.257	Water Level (ft TIG) 14.02 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH P. pH (0.1 units)	Sp. Cond. (mS/cm) [3%]*	- OSCOS FR S/A Turbidity (NTU) [10% or 1 NTU]* 138 142 108 106 103 87 68	92 17E 3: 941100 DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	ક હા ?
910 915 920 925 930 935 940 945	Pump Rate (AlJmin.) 100 50 75 75 75 75	Total Gallons Retrioved 0.024 0.092 0.158 0.257 0.356 0.455 0.653	Water Level (ft TIG) 14.02 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	Jak P. Tuk P. pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OBCOB FR S/A Turbidity (NTU) [10% or 1 NTU]* 138 142 108 106 103 87 (68	72 /7E 3: 94/100 DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	ક હ્યું ટ
910 915 920 925 930 935 940 945	Pump Rate (MJ/min.) 100 50 75 75 75 75 75 75 75 75 75 75	Total Gallons Retnoved 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	ક હ્યું ?
910 915 920 925 930 935 940 945	Pump Rate (MJmin.) 100 50 75 75 75 75 75 75 80 criteria for ea	Total Gallons Removed 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field parameter	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OBCOB FR S/A Turbidity (NTU) [10% or 1 NTU]* 138 142 108 106 103 87 (68	Column heading.	ORP (mV) [10 mV]*	ક હા ?
910 915 920 925 930 935 940 945	Pump Rate (MJmin.) 100 50 75 75 75 75 75 75 80 criteria for ea	Total Gallons Retnoved 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	ક હા ?
910 915 920 925 930 935 940 945	Pump Rate (MJmin.) 100 50 75 75 75 75 75 75 80 criteria for ea	Total Gallons Removed 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field parameter	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	ક હ્યું ?
910 915 920 925 930 935 940 945	Pump Rate (MJmin.) 100 50 75 75 75 75 75 75 80 criteria for ea	Total Gallons Removed 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field parameter	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	5 & ?
910 915 920 925 930 935 940 945	Pump Rate (MJmin.) 100 50 75 75 75 75 75 75 80 criteria for ea	Total Gallons Removed 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field parameter	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	5 & ?
910 915 920 925 930 935 940 945 The stabilization	Pump Rate (All/min.) 100 50 75 75 75 75 75 75 80 85/SAMPLING	Total Gallons Removed 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field parameter	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	5 & ?
910 925 925 930 935 940 945 The stabilization VC/Y 12	Pump Rate (All/min.) 100 50 75 75 75 75 75 75 Also criteria for ea	Total Gallons Removed 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field parameter	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	5 & ?
910 915 920 925 930 935 940 945 The stabilization VCVY 12	Pump Rate (All/min.) 100 50 75 75 75 75 75 75 Also criteria for ea	Total Gallons Removed 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field parameter	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	5 & ?
910 925 925 930 935 940 945 The stabilization VC/Y 12	Pump Rate (All/min.) 100 50 75 75 75 75 75 75 Also criteria for ea	Total Gallons Retrioved 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field paramete METHOD DEVIA	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH P. TUR P. pH  [0.1 units]*	S S/N ME 7 Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	5 & 2
910 920 925 935 935 940 945 The stabilization VCFY 17 SAMPLE DEST Laboratory: Delivered Via:	Pump Rate (Al-Jmin.) 100 50 75 75 75 75 75 75 RNATION	Total Gallons Retrioved 0.02(p 0.092 0.158 0.257 0.35(p 0.455 0.554 0.653 ch field paramete METHOD DEVIA	Water Level (ft TIC) 14.02 13.99 13.99 13.99 13.99 13.99 13.99	Temp. (Cataius) [3%]*	JOH PH  [0.1 units]*	S S/N ME 7 Sp. Cond. (mS/cm) [3%]*	- OSCOS  - R S/A  Turbidity (NTU) [10% or 1 NTU]*    38    142    08    06    03  87  (88  5/0  is listed in each	Column heading.	ORP (mV) [10 mV]*	5 & 2

C:WORKGEGroundwaterb/A199Attechmer#D

	Well No.	ESZC-24	Site/GMA Name	GMA 1 .
\$\$.**			Sampling Personnel	JAP/AMB
			Date	41/8/08
			Weather	Sunay, 60: 70 / F)

Time	Pump Rate (√(L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp, (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
950	150	0.851	13.99		·		56		r manners :
955	10	0.983		*********	,	France.	a 49	·	
1003	100	1.115	13.99	11.45	7.14	1.239	74.442	14.92	-53. 5
1008	100	1.247	13.99	11.07	7.12	1,238	34	5.63	-48.9
1013	100	1,380	13.99	10.69	7.09	1.244	~38	5,05	-45.9
1018	100	1.512	13,99	10.42	7.07	1.249	2 (	4.51	-44.0
1023	100	1.646	13.99	1037	L 98	1,352	17	4.13	-42.3
िटिश	/60	1.776	13.77	10.29	6.99	1.257	13	3.86	-41.1
1633	100	1.908	13.49	10.39	7.05	1.262	//	3.72	- 40,2
1038	100	2.040	13.99	10.38	7.01	1.262	8	3.75	-39.7
1043	100	2.172	13.99	10.55	7.03	1.264	_7	3.65	-39.0
1048	100.	2.305	13,99	10.6cp	6.99	1.267	1/	3.64	-38-9
								·	

The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
to a minute intervalsy is listed in each column nearing.
BSERVATIONS/SAMPLING METHOD DEVIATIONS



Well No.	. <u>ES2</u>	-02 A			Site/GMA Name	(T)	MAI			
Key No.	)			Same	ding Personnel	KLC	1RA15			
PID Bac	ckground (ppr	n)			Date		100			<del></del>
Well He	sadspace (ppr	n)	***************************************	<del></del>	Weather		nu Brei	27	Q/K	
				<del></del>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		114 110	27 1150		
WELL INFOR	MATION						, , , , , ,		,	
	ce Point Marke	d? 😯 N	,				Sample Tim	- 2 C	<u> </u>	
		- 11					Sample II	o <u>E37-0</u> 0	<i>V P</i>	
Height of	Reference Po		Meas. From	n Corcur	$\mathcal{L}^{j}$		Ouplicate II	)		_
	Well Diamet		····	****			MS/MSI	)		
Scree	en Interval Dep	th <u>3 - 19</u>	Meas. Fron	n <u>                                    </u>			Split Sample II	)		
W	ater Table Dep	th 5.5/	Meas. Fron	n_T/C	_					
	Well Dep	m 17-17	Meas. From			Required	Analytic	al Parameters:	Collected	
Length c	of Water Colum	in_ <i>[11-61</i> ]				(X)		s (Stai. tist)	(X)	
Volume	of Water in We	1.8990	Nons			73		(Exp. list)	( )	
Intake Depth	of Pump/Tubin	ia I	Meas. From	T1/		( )		VOCs	( )	
	•			·	_	( )			( )	
lefemence Poir	nt Identification							Bs (Total)	( )	
						( )		(Dissolved)	( )	
	ner (PVC) Casi	-				( )		organics (Total)	( )	
	Outer (Protective					( )	Metals/Inorg	anics (Dissolved)	( )	
made/BGS: G	Sround Surface	•				( )	EPA Cyan	ide (Dissolved)	( )	
						( )	PAC Cyan	ide (Dissolved)	( )	
?qolevelop?	Y (N)					( )	PCDI	Ds/PCDFs	( )	
						( )	Pesticide	s/Herbicides	( )	
						( )		Attenuation	( )	
						( )		(Specify)	, ,	
VACUATION	INFORMATION	۷				` '	J., 10	(apout))	,	
	Vater Removed		Ellon 1		Pump Type:		bmersible Pump (			
Did	d Well Go Dry?	Y (N)'		VCT H		Marses		n One	ify)	
Did	d Well Go Dry?		Serial Numbers:	<u>YSI H</u> 36-MPS	Samples collect	Marses	alle - Suster	4 ane	My) Huch	
Did	d Well Go Dry?	Y (N)'	Serial Numbers:	36-MPS	Samples collect	Marych ted by same me	alls - Suster athod as evacuation AF (#	n? (¥) N (spec	M Huch Turbi	
Did	d Well Go Dry?  ' :  Water Quality I	Y (N)' Meter Type(s) / S	Serial Numbers:	36-MPS Temp.	Samples collect	Mary ch.  372  Sp. Cond.	AF (#	n? (r) N (spec	Mach Turbi	
Did \	d Well Go Dry?  Water Quality I	Y N Meter Type(s) / S Total Gaillons	Serial Numbers:  Water Level	S6-MPS Temp. (Celsius)	Samples collect	Sp. Cond. (mS/cm)	AF (#	n? (Y) N (spec	Huch Turbi ORP (mV)	
Đ <del>id</del> \	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y N / N / N / N / N / N / N / N / N / N	Serial Numbers:	36 - M P S Temp. (Celaius) [3%]"	Samples collect	Mary ch.  372  Sp. Cond.	AF (#	n? (Y) N (spec	Mach Turbi	
Đ <del>id</del> \	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y N Meter Type(s) / S Total Gaillons	Serial Numbers:  Water Level	S6-MPS Temp. (Celsius)	Samples collect	Sp. Cond. (mS/cm)	AF (#	n? (Y) N (spec	Huch Turbi ORP (mV)	
Đ <del>id</del> \	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y N / N / N / N / N / N / N / N / N / N	Serial Numbers:  Water Level	36 - M P S Temp. (Celaius) [3%]"	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	AF (#	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Đ <del>id</del> \	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y N N N N N N N N N N N N N N N N N N N	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - Suster  At (#  Turbidity  (NTU)  [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Đ <del>id</del> \	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y N / N / N / N / N / N / N / N / N / N	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	AF (#	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Time / 0/5 / 020 / 025	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y (N)  Wester Type(s) / S  Total Gailons Removed O · Z O O · Y O	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - Suster  At (#  Turbidity  (NTU)  [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Đ <del>id</del> \	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y N N N N N N N N N N N N N N N N N N N	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - System throd as evacuation AF (##  Turbidity (NTU) [10% or 1 NTU]*  [165]  [2]  [3]  [4]	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Time 1015 020 025	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y (N)  Wester Type(s) / S  Total Gallons Removed 0.20 0.40 0.60	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - System throd as evacuation AF (##  Turbidity (NTU) [10% or 1 NTU]*  [165]  [2]  [3]  [4]	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Time 1015 020 025	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y (N)  Meter Type(s) / S  Total Gallons Removed 0 · z 0 0 · y 0 0 · 60 0 · 7 9	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - Suster  At (#  Turbidity  (NTU)  [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Time 1015 020 025	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y (N)  Wester Type(s) / S  Total Gallons Removed 0.20 0.40 0.60	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - Suster  AF (#  Turbidity (NTU) [10% or 1 NTU]  [4]  32  92	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Time / 0/5 / 020 / 025	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y (N)    Note   Note     Note	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - Suster  AF (#  Turbidity (NTU) [10% or 1 NTU]  [4]  32  92	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Time 1015 020 025	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y (N)    Note   Note     Note	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - Suster  AF (#  Turbidity (NTU) [10% or 1 NTU]  [4]  32  92	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Time 1015 020 025	d Well Go Dry?  Very Quality Mater Quality Mater Pump Rate	Y (N)    Note   Note     Note	Serial Numbers:  Water Level	S6-MPS Temp. (Celaius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Ile - Suster  AF (#  Turbidity (NTU) [10% or 1 NTU]  [4]  32  92	DO (mg/l) [10% or 0.1 mg/l]*	Huch Turbi ORP (mV)	
Time 1015 020 025 035 035 040 040	Water Quality I	Y (N)    Note   Note     Note	Serial Numbers:  Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27	7.56 Tomp. (Colaius) [3%]: 	(0.1 units)*  (0.1 units)*  (0.58)  (0.57)	## 100 may 100	Ile - Suster throd as evacuation AF (#  Turbidity (NTU) [10% or 1 NTUP  165  22  32  92  92  92  93  25  20  13	DO (mg/l) [10% or 0.1 mg/l]	Huch Turbi ORP (mV)	
Time 1015 1020 1035 1030 1040 1040 1045 he stabilization	Water Quality N Pump Rate (L/min.)	Y (N)  Wester Type(s)/S  Total GasHons Removed   0.20  0.40  0.60  0.79  0.99  1.19  1.39  ch field paramet	Serial Numbers:  Water Level (ft TIC)  4.58  5.27  5.27  5.38  5.27  5.27  er (three consections)	7.56 7.56 13%)*  7.33 7.20 7.48 7.56 Utive readings co	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	## 10 - 3 - 4 - 4 - 18 - 18 - 18 - 18 - 18 - 18 -	Ile - System throd as evacuation AF (##  Turbidity (NTU) [10% or 1 NTU]*  165  32  72  72  73  73  73  73  73  73  73	DO (mg/l) [10% or 0.1 mg/l]	Huch Turbi ORP (mV)	
Time 1015 1020 1035 1030 1040 1045 The stabilization SERVATIONS	Water Quality Mater Quality Material Quality Material Research American Control of the C	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Serial Numbers:  Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	7 - M PS Temp. (Ceisius) [3%]'	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	
Time 1015 1020 1030 1030 1040 1040 1045 The stabilization	Water Quality Mater Quality Material Quality Material Research American Control of the C	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Serial Numbers:  Water Level (ft TIC)  4.58  5.27  5.27  5.38  5.27  5.27  er (three consections)	7.56 7.56 13%)*  7.33 7.20 7.48 7.56 Utive readings co	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]	Huch Turbi ORP (mV)	
Time  1015 1020 1030 1035 1040 1045 The stabilizations SSERVATIONS	Water Quality Mater Quality Material Quality Material Research American Control of the C	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Serial Numbers:  Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	7 - M PS Temp. (Ceisius) [3%]'	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	
Time  1015 1020 1030 1035 1040 1045 The stabilizations SSERVATIONS	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Quality Mate	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	7 - M PS Temp. (Ceisius) [3%]'	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	
Time  1015 1020 1030 1035 1040 1045 The stabilization SSERVATIONS	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Quality Mate	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	7 - M PS Temp. (Ceisius) [3%]'	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	
Time  1015 1025 1030 1035 1040 1045 The stabilization SSERVATIONS	Water Quality Mater Quality Material for each S/SAMPLING Materi	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	7 - M PS Temp. (Ceisius) [3%]'	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	
Time  1015 1020 1030 1035 1040 1045 The stabilization SSERVATIONS 115/11	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material for each of the Contract of the C	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	7 - M PS Temp. (Ceisius) [3%]'	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	
Time  1015  1020  1030  1035  1040  1040  1045  The stabilization is servations:  SERVATIONS  SERVATIONS  Laboratory:	Pump Rate (L/min.)  15()  In criteria for each s/SAMPLING in Criteria S/SAMPLING in Criteri	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	7 - M PS Temp. (Ceisius) [3%]'	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	
Time  1015 1020 1030 1035 1040 1040 1045 he stabilization ISERVATIONS SERVATIONS SERVATI	Pump Rate (L/min.)  15()  In criteria for each s/SAMPLING in Criteria S/SAMPLING in Criteri	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	7 - M PS Temp. (Ceisius) [3%]'	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Ma-sell ted by same me 3 7 2	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	
Time  1015 020 035 035 040 045 he stabilization SERVATIONS Laboratory:	Pump Rate (L/min.)  15()  In criteria for each s/SAMPLING in Criteria S/SAMPLING in Criteri	Y N  Meter Type(s) / S  Total Gallons Removed  0.20 0.40 0.60 0.79  /-19 /-19 /-19  /-39  ch field paramete  METHOD DEVIA	Water Level (ft TIC)  4.58  5.27  5.27  5.27  5.27  er (three consecutions	Tomp. (Colaius) [3%)*	pH  [0.1 units]*  [0.2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	## 100 minute interval	Ile - System throd as evacuation AF (##  Turbidity (NTU)  [10% or 1 NTU]  [165  [2]  [3]  [4]  [4]  [5]  [6]  [7]  [8] is listed in each [7]  [4]  [7]  [4]	DO (mg/l) [10% or 0.1 mg/l]**  2 2 2 1 1 2 7 3 1 2 1 4 1 0 7 7 1 0 7 1 0 1 0 0 0 0 0 0 0 0 0 0	Huch Turbi ORP (mV)	

Well No	Site/GMA Name	GMA I				
	Sampling Personnel	_ KIC	/RAB			
	Date	410	lce.			
	Weather	Sunhu	Breeze	Hich	405	•
		, i			,	

WELL	INFO	RMATION	- See	Page	1
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Time	Pump Rate (Limin.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) (3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1050	150	1.59	5.22	9.85	6.78	0.635		0.98	-50,4
1055	100	1.72	5.17	9,75	5.85	0,685	7	0.95	-59.2
1100		1.85	5.20	9.83	6.86	0.706	P	0.90	-61.8
1103	₩	1-99	5.16	9.79	6.87	0.720	6	0.89	-63.3
1106		2.12	5.13	9.91	6.91	0.734	5	0.90	-65.2
1109		2.25	5,15	2.93	6.91	0.750	Ŧ	0,83	-65.2
1/12		2.38	5.16	9,96	6.88	0.756	6	0.81	-65.0
1115	and the substitution of th	2.51	5,35	9.75	6.92	0.784	6_	0.84	-64.1
		Sami	rled@	1115					
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Albert - Al high along delign - all a gymnin and	**************************************						TOTAL CANDING COMMANDS		
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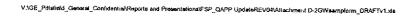
	* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
	OBSERVATIONS/SAMPLING METHOD DEVIATIONS
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Well	ESAL	~~~							
Well	- I A	_							
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Key			····	s	ampling Person	mel DRA	, rus		<del> </del>
	Background (;   Headspace (;				۵	2 4 1	808		·
1100	, santrabutra ()	opm)			West	her $\underline{50}$	iny 25°		
WELL INFO	ORMATION						<b>-</b>	ime -///.c	,
Refer	ence Point Mer	ked? 🔗 .	N				Sample T Sample		5-64
Height	t of Reference :		Meas, F	rom			Duplicate		<u> </u>
0-	Well Dian	***************************************		<b>/</b> .	1		MSM		· · · · · · · · · · · · · · · · · · ·
	reen Interval D Water Table D			rom Grown			Spilt Sample	(ID OI	
	Well D			rom 7/6	<del></del> ,	Ot.			-
Lengt	h of Water Col		<del>}</del> /	·····		Require (X)	CHIMAL	ical Parameters:	Collecte
	ne of Water in 1		gallon			(3	,	Cs (Std. list) Cs (Exp. list)	( >0 )
intake Dep	th of Pump/Tui	bing	Mees, Fr	rom <u>Tic</u>	<del></del>	( )		SVOCs	( )
Reference P	oint Identificatio	vo.				( )	PC	CBs (Total)	( )
	nner (PVC) Ca					( )		s (Dissolved)	( )
TOC: Top of	Outer (Protect	ive) Casing				( )		norganics (Total)	( )
Grade/BGS:	Ground Surfac	<b>&gt;8</b> .				( )		ganics (Dissolved) mids (Dissolved)	( )
Redevelop?	Y (N)					( )		nide (Dissolved)	( )
.compression (						( )		Ds/PCDFs	( )
						( )		les/Herbicides	( )
	I INFORMATIO					( )		il Atlenuation or (Specify)	( )
	Nater Remove	g 80 d m 3.5	9~1		Peristaltic Pun Pump Type:	Marse	iubmersible Pump Lalk - Svet	The Ober	pecify ( )
D	ld Well Go Dry	d 144 3.55 ? Y N		: 451-50	Pump Type: Samples colle	May seme m	iubmersible Pump Lul( - 5 y - 1 tethod as evacuation	( ) Other/Sp	sify)
D	Water Quality	d 3.5 ? Y N Meter Type(s)/		75/-50	Pump Type: Samples colle	May seme m	iubmersible Pump Lulli - Syst method an evacuation	( ) Other/Sp Su On pn? O N (spec	ity)
D	Water Quality Pump Rate	d Ave 3.5  Y  Meter Type(s)  Total Gailone	Serial Numbers: Water Level	Temp. (Celsius)	Pump Type: Samples colle	Mayse coted by same m	interest to Pump  Luli - 5 y - 1  rethod as evacuation  Z/OOP  Turbidity  (NTU)	Other/Sp cu On m? O N (spec Tuys, ly DO (mg/l)	afy)
Time .	Water Quality Pump Rate //[L/min.)	d Ave 3.5  Y N  Meter Type(s) /:  Total Gallone Removed	Serial Numbers: Water Level (ft TIC)	Temp.	Pump Type: Samples colle	May Sected by same in	interest to Pump  Luli - 5 y - 1  rethod as evacuation  Z/OOP  Turbidity  (NTU)	Other/Sp On Other On N (spec	orp
Time / 000	Water Quality Pump Rate //(L/min.)	Meter Type(s) /:  Total Gallone Removed  C - 11	Water Level (ft TIC)	Temp. (Celsius)	Pump Type: Samples colle	May S coted by same m  Have V  Sp. Cond.  (mS/cm)	interest to Pump  Luli - 5 y - 1  rethod as evacuation  Z/OOP  Turbidity  (NTU)	Other/Sp cu On m? O N (spec Tuys, ly DO (mg/l)	ORP (mV)
Time // 000 // 005	Water Quality Pump Rate //[L/min.)	d Ave 3.5  Y N  Meter Type(s) /:  Total Gallone Removed	Serial Numbers: Water Level (ft TIC)	Temp. (Celsius) [3%]*	Pump Type: Samples colle  3 6 MPJ  pH  j0.1 units*	May S coted by same m  Have V  Sp. Cond.  (mS/cm)	tubmersible Pump  Lulic System  rethod as evacuation  Turbidity  (NTU)  [10% or 1 NTUP	Other/Sp cu On m? O N (spec Tuys, ly DO (mg/l)	ORP (mV) [10 mV]*
Time // 000 // 005	Water Quality Pump Rate //(L/min.)	Meter Type(s) /:  Total Gallone Removed  C - 11	Water Level (ft TIC)	Temp. (Celalus) [3%]*	Pump Type: Samples colle S 6 MPJ pH j0.1 units!*	May S coted by same m  Have V  Sp. Cond.  (mS/cm)	Turbidity (NTU) [10% or 1 NTU]	Other/Sp cu On m? O N (spec Tuys, ly DO (mg/l)	ORP (mV) [10 mV]*
Time // // // // // // // // // // // // //	Water Quality Pump Rate //[Limin.)	Meter Type(s)//  Total Gailone Removed  6 11 6-21	Water Level (ft TIC) //./5	Temp. (Ceinius) [3%]*	Pump Type: Samples colle  5 6 MPJ  pH  j0.1 units]*	May Sc.  Acted by same m  Hard  Sp. Cond.  (mS/cm)  [3%]*	Turbidity (NTU) [10% or 1 NTUP	Other/Sp on? O N (spec Turs) if in DO (mg/l) [10% or 0.1 mg/l]*	ORP (mv) [10 mv]
Time //000 //005 //0/0	Water Quality Pump Rate //(L/min.) 80	Meler Type(s) /:  Total Gallone Removed  6 - 11  6 - 2 1  6 - 34	Water   Level   (ft TIC)   //./5   //./5   //./5   //./5   //./5   //./5	Temp. (Celejus) [3%]*	Pump Type: Samples colle  5 6 MPJ  pH  j0.1 units]*	May School of the same of the	tubmersible Pump	Other/Sp on? 6 N (spec Turb.: / 122 DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time //000 //005 //0/0 //0/5 //0/0	Water Quality Pump Rate //(L/min.) 80 // 00 // 25 // 00	Meter Type(s)//  Total Gallone Removed  0-11  0-21  0-34	Water Level (ft TIC) //./5 //./5 //./5 //./5 //./5	Temp. (Ceinius) [3%]*	Pump Type: Samples calle  F 6 MPJ  pH  j0.1 units r	Sp. Cond. (mS/cm) (3%)*  1.214 1.219	tubmersible Pump	Other/Sp On On On Other On Other On Other On Other/Sp On Other/S	ORP (mv) [10 mv]
Time /000 /005 /0/0 /0/5 /0/5 /0/20	Water Quality Pump Rate MLmin.) 80 100 125 100 200	Meter Type(s)//  Total Gallone Removed  6.11 6.21 6.34 6.90	Water   Level   (ft Tic)   //./5   /	Temp. (Celaius) (3%)*	Pump Type: Samples calle  S 6 MPJ  pH  j0.1 units!*	May School of the same of the	tubmersible Pump	Other/Sp on? 6 N (spec Turb.: / 122 DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time //000 //005 //0/0 //0/5 //0/0 //0/5 //0/0	Water Quality Pump Rate //Limin.) 80 80 / 00 / 25 / 00 200	Meter Type(s)//  Total Gallone Removed  6.11 6-21 6-34  7.64 6.90 1-16	Water Level (ft TIC) //./5 //./5 //./5 //./5 //./5 //./5	Temp. (Celaius) [3%]*	Pump Type: Samples calle  F 6 MPJ  pH  j0.1 units r	Sp. Cond. (mS/cm) (3%)*  1.214 1.219	tubmersible Pump	Other/Sp On On On Other On Other On Other On Other/Sp On Other/S	ORP (mV) [10 mV]*  -72.3  -79.5  -70.4
Time //000 //005 //0/0 //0/5 //0/0 //0/5 //0/0 //0/5 //0/0 //0/5	Water Quality Pump Rate //Limin.) 80 80 / 00 125 / 00 200 200	Meter Type(s)// Total Galfone Removed 6.11 6.21 6.34 6.90 1.16 AM// \$ 2	Water Level (ft TIC) //./5 //./5 //./5 //./5 //./5 //./5	Temp. (Celaius) [3%]*	Pump Type: Samples calle  5 6 MPJ  pH  j0.1 units r	May Sc. ctod by same in Harb Sp. Gond. (ms/cm) (3%]*  1.214 1.219 1.229 1.231	tubmersible Pump  Lulic - System  rethod as evacuation  7/00P  Turbidity (NTU) [10% or 1 NTUP  32  23  /5 /7 /4 /5	Other/Sp on? 6 N (spec Tussisting DO (mg/l) [10% or 0.1 mg/l]* 	ORP (mV) [10 mV]*  -72.3  -71.5  -70.4  -70.4
Time 1000 1005 1010 1015 1020 1025 1030 1035 1035	Water Quality Pump Rate //Limin.) 80 /00 /25 /00 200 criteria for each	Meter Type(s)// Total Galfone Removed 6.11 6.21 6.34 6.90 1.16 AM// \$ 2	Water Level (ft TIC) //./5 //./5 //./5 //./5 //./5 //./5 //./5 //./5	Temp. (Celaius) [3%]*	Pump Type: Samples calle  5 6 MPJ  pH  j0.1 units r	May Sc. ctod by same in Harb Sp. Gond. (ms/cm) (3%]*  1.214 1.219 1.229 1.231	interest to Pump Lilk - Syst enthod as evacuation Z/00P  Turbidity (NTU) [10% or 1 NTUP 32 23 /5 /7 /4	Other/Sp on? 6 N (spec Tussisting DO (mg/l) [10% or 0.1 mg/l]* 	ORP (mV) [10 mV]*  -72.3  -79.5  -70.4
Time //000 //0/5 //0/0 //0/5 //// //// //// ///	Water Quality Pump Rate MLmin.) 80 100 125 100 200 200 criteria for each	Melor Type(s)//  Total Gallone Removed  6.11  6.21  6.34  6.90  1.16  AM 1.52  th field parameter	Water Level (ft TIC) //./5 //./5 //./5 //./5 //./5 //./5 //./5 //./5	Temp. (Celaius) [3%]*	Pump Type: Samples calle  5 6 MPJ  pH  j0.1 units r	May Sc. ctod by same in Harb Sp. Gond. (ms/cm) (3%]*  1.214 1.219 1.229 1.231	tubmersible Pump  Lulic - System  rethod as evacuation  7/00P  Turbidity (NTU) [10% or 1 NTUP  32  23  /5 /7 /4 /5	Other/Sp on? 6 N (spec Tussisting DO (mg/l) [10% or 0.1 mg/l]* 	ORP (mV) [10 mV]*  -72.3  -71.5  -70.4  -70.4
Time  // 000 // 0/5 //	Water Quality  Pump Rate //(L/min.)  80 //00 //00 //00 //00 //00 //00 //00	Melor Type(s)//  Total Gallone Removed  6.11  6.21  6.34  6.90  1.16  AM 1.52  th field parameter	Water Level (ft TIC) //./5 //./5 //./5 //./5 //./5 //./5 //./5 //./5	Temp. (Celaius) [3%]*   // 35  // 23  // 23  // 27  // 79  // 71  utive readings co	Pump Type: Samples calle  5 6 MPJ  pH  j0.1 units r	May Sc cted by same m Hack Sp. Cond. (mS/cm) [3%]* 1.214 1.219 1.229 1.236 minute interval	tubmersible Pump  Lulic - System  rethod as evacuation  7/00P  Turbidity (NTU) [10% or 1 NTUP  32  23  /5 /7 /4 /5	Other/Sp on? 6 N (spec Tussisting DO (mg/l) [10% or 0.1 mg/l]* 	ORP (mV) [10 mV]*  -72.3  -71.5  -70.4  -70.4

ESAZS -			
Well No. (04-	*Site/GMA Name	e GMAI	
	Sampling Personnel	DRA RAS	
	Date	e 418 08	
	Weather		

	Pump	Total	10/24	<b>T</b>	T		I	T	<u> </u>
Time	Rate	Gallons	Water Level	Temp. (Celsius)	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO	ORP
	(Umin.)	Removed	(ft TIC)	(3%)*	[0.1 units]*	[3%]*	1 ' '	(mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
1040	200	1-68	11.15	10.58		1.242	9	0.51	-71.2
1045	200	1.94	11.15	10.81	6.77	1.243	7	0.56	-73.8
1050	200	2.20	11.15	10.92	6.74	1.247	6	0.39	-75.0
1055	200	2.46	11.15	11.18	6.73	1.248	6	0.37	-76.5
1100	200	2-72	11.15	10.95		1.256	6	0.54	-76.3
1105	200	to 2.98	11.15	11.07	6.73	1.254	6	0.51	
1110	200	3.24	11.15	11.13	6.81	1.256	#5	0.55	-77.9
-5	AMPLE	COLL	SCIED	AT	1 .				
								4	
					***************************************			· · · · · · · · · · · · · · · · · · ·	
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						· · · · · · · · · · · · · · · · · · ·			
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* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS



	to. HK-	オン・M	W-1		Site/GMA Nam	· CTMA	1		
Key A	ło. <u> </u>	37		 San	pling Personn		7R 4B		
PID B	ackground (ppr	n)			Dat	7.1	0108	······································	
Weil !	Headspace (ppr	n)			Weathe	* Sulviu	61270	1 Low 50.	)
WELL INFO	RMATION							12516	
	nce Point Marke	d? Y N	a .				Sample Tim	1 2	- A. V. 7
	of Reference Po	2172		· alauna	1		Sample II		-Mi)-1
	Well Diamet	3.4	IMEAS. FIOR	· meunce	<u></u>		Duplicate II		
Scr	een Interval Dep		/ Meas. From	717	(Tround		MSMS	·	
	Water Table Dep		Meas. From		<u>C.(16, 6-4-4)</u>		Split Sample II	<u> </u>	
	Well Dep		Meas. From	***************************************		Required	Amakatin	al Dammatani	On Handa d
Lengti	h of Water Colum	in 7.99		·	<del></del>	( )		al Parameters: S (Std. list)	Collected
Volum	ne of Water in We	of 0.8/95	27/00	_		i i	,	s (Sup. list)	( )
Intake Dept	th of Pump/Tubin			Top of	6. 5114	( )		SVOCs	( )
		-		100 of		( )		Bs (Totai)	( )
Reference Po	oint Identification	:			ν	(V)		(Dissolved)	( )
TIC: Top of I	nner (PVC) Casi	ng				( )			(X)
· ·	Outer (Protective	•				( )		organics (Total) anics (Dissolved)	( )
	Ground Surface					( )	-	anks (Dissolved)	( )
						( )		ude (Dissolved)	( )
Redevelop?	Y (N)					( )	=	Ds/PCDFs	( )
	$\smile$					( )		es/Herbicides	, J
						( )		Attenuation	( )
						( )		r (Specify)	( )
EVACUATION	N INFORMATION	12 21						,	, ,
	Water Removed Did Well Go Dry?		nllons	Norman (	Peristaltic Puri Pump Type: Samples collec	Murch	bmersible Pump   	m One	ecify ( )
	water cluanty n	#etor Type(s) / S		YOI 4	_03CQ3	92 AF	(#Z)	Hach Z	דטטי
1		· · · · · · · · · · · · · · · · · · ·		YOI H 556-M	PJ	192 AF	(#Z)	Tursil.	seter
Time	Pump Rate	feter Type(s) / S  Total  Gallons		Тетр.		Sp. Cond.	Turbidity	Tursid,	ORP
Time	Pump	Total	Water		pH Hq	(mS/cm)	(NTU)	フロンション DO (mg/l)	ORP (mV)
Time	Pump Rate	Total Gallons	Water Level	Temp. (Celsius)	PJ	1	(NTU) 110% or 1 NTU * / ) ②	フレンシュリ DO (mg/l)	ORP
Time 1920 1925	Pump Rate (L/min.)	Total Gallons Removed	Water Level	Temp. (Celsius)	pH Hq	(mS/cm)	(NTU)	フロンション DO (mg/l)	ORP (mV)
Time 1920 1925	Pump Rate	Total Gallons Removed 12.82 0.46	Water Level	Temp. (Colaius) [3%]*	pH Hq	(mS/cm)	(NTU) 110% or 1 NTU * / ) ②	フロンション DO (mg/l)	ORP (mV)
Time (920) (925) (330)	Pump Rate (Umin.) 	Total Gallons Removed 12.82 0.46 0.92	Water Level	Temp. (Celsius)	pH Hq	(mS/cm)	(NTU) 110% or 1 NTU * / ) ②	フロンション DO (mg/l)	ORP (mV)
Time 1920 1925 1330 1335	Pump Rate (L/min.)	Total Gallons Removed 12.82 0.46 0.92 1.25	Water Level	Temp. (Colaius) [3%]*	pH Hq	(mS/cm)	(NTU) 110% or 1 NTU * / ) ②	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
Time 1920 1925 1330 1335 1340	Pump Rate (Umin.) 	Total Gallons Removed 12.82 0.46 0.92	Water Level	Temp. (Colaius) [3%]*	pH Hq	(mS/cm)	(NTU) 110% or 1 NTU * / ) ②	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
Time (320) (325) (330) (335) (340) (345)	Pump Rate (Umin.) 	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58	Water Level	Temp. (Colaius) [3%]*	pH  [0.1 units]*   (6.90) (6.96)	(ms/cm) (3%)* - 1.555 1.573 1.590	(NTU) 110% or 1 NTU * / ) ②	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
Time  1920 1325 1330 1345 1345 1350	Pump Rate (Umin.) 	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91	Water Level	Temp. (Colaius) [3%]*	pH  [0.1 units]*   (6.90) (6.96)	(imS/cm) (3%)* - 1.555 1.573	(NTU) 110% or 1 NTU * / ) ②	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
Time 1920 1325 1330 1345 1345 1350	Pump Rate (Umin.) 	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11	Water Level	Temp. (Colaius) [3%]*	pH  [0.1 units]*   (6.90) (6.96)	(ms/cm) (3%)* - 1.555 1.573 1.590	(NTU) 110% or 1 NTU * / ) ②	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
1320 1325 330 335 1345 1345 1350 1351	Pump Rate (L/min.) 350 350	Total Gallona Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31	Water Level (NTC) 12.82 12.98 12.98 12.82 12.82 12.82 12.82	Temp. (Coinius) [3%]*	pH  [0.1 units]*   (6.90  (6.96  4.26  6.77  (6.78	(ms/cm) [3%]* 1.555 [1.573 [1.590 [1.598 [1.608 [1.608]	(NTU) [10% or 1 NTU] <sup>2</sup> 128 53 13 6 5 3	7656 1.56 1.58	ORP (mV)
1320 1330 335 1345 1345 1350 1351	Pump Rate (L/min.)  350  350  250	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (ft TIC)  12.82  12.98  12.85  12.85  12.86  12.82  12.82  12.82  12.82	Temp. (Colsius) [3%]*  10,56 10,58 10,58 10,46 10,46 10,46 Itive readings of	pH  [0.1 units]*   6.90  6.96  6.76  6.77  6.78  6.78  6.78  6.78  6.78	(mS/cm) [3%]* 1,555 1,573 1,570 1,598 1,608 1,601 5-minute intervale	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)
1320 1330 335 1345 1345 1350 1351	Pump Rate (L/min.) 350 350	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (RTIC)  /2.82  /2.86  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.83	Temp. (Coinius) [3%]*	pH  [0.1 units]*   (6.90  (6.96  4.26  6.77  (6.78	(ms/cm) [3%]*   1.555  1.573  1.590  1.698  1.608  1.601	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	7656 1.56 1.58	ORP (mV)
1320 1330 335 1345 1345 1350 1351	Pump Rate (L/min.)  350  350  250	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (ft TIC)  12.82  12.98  12.85  12.85  12.86  12.82  12.82  12.82  12.82	Temp. (Colsius) [3%]*  10.56 10.58 10.58 10.58 10.46 10.58 10.46 tive readings of	pH  [0.1 units]*   6.90  6.96  6.76  6.77  6.78  6.78  6.78  6.78  6.78	(mS/cm) [3%]* 1,555 1,573 1,570 1,598 1,608 1,601 5-minute intervale	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)
1320 1330 335 1345 1345 1350 1351	Pump Rate (L/min.)  350  350  250	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (RTIC)  /2.82  /2.86  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.83	Temp. (Colsius) [3%]*  10,56 10,58 10,58 10,46 10,46 10,46 Itive readings of	pH  [0.1 units]*   6.90  6.96  6.76  6.77  6.78  6.78  6.78  6.78  6.78	(mS/cm) [3%]* 1,555 1,573 1,570 1,598 1,608 1,601 5-minute intervale	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)
1320 1330 335 1345 1345 1350 1351	Pump Rate (L/min.)  350  350  250	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (RTIC)  /2.82  /2.86  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.83	Temp. (Colsius) [3%]*  10.56 10.58 10.58 10.58 10.46 10.58 10.46 tive readings of	pH  [0.1 units]*   6.90  6.96  6.76  6.77  6.78  6.78  6.78  6.78  6.78	(mS/cm) [3%]* 1,555 1,573 1,570 1,598 1,608 1,601 5-minute intervale	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)
1320 1325 1335 1345 1345 1357 1351 • The stabilization SERVATION SULTING	Pump Rate (L/min.)  350  360  250  on criteria for each NS/SAMPLING N	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (RTIC)  /2.82  /2.86  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.83	Temp. (Colsius) [3%]*  10.56 10.58 10.58 10.58 10.46 10.58 10.46 tive readings of	pH  [0.1 units]*   6.90  6.96  6.76  6.77  6.78  6.78  6.78  6.78  6.78	(mS/cm) [3%]* 1,555 1,573 1,570 1,598 1,608 1,601 5-minute intervale	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)
1320 1330 1335 1345 1345 1350 1351 The stabilization baservation tacks of war the	Pump Rate (L/min.)  350  350  250  00 criteria for each NS/SAMPLING N	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (RTIC)  /2.82  /2.86  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.83	Temp. (Colsius) [3%]*  10.56 10.58 10.58 10.58 10.46 10.58 10.46 tive readings of	pH  [0.1 units]*   6.90  6.96  6.76  6.77  6.78  6.78  6.78  6.78  6.78	(mS/cm) [3%]* 1,555 1,573 1,570 1,598 1,608 1,601 5-minute intervale	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)
1320 1325 1335 1345 1345 1357 The stabilization observation taylord deviced with the stabilization of the stabiliz	Pump Rate (L/min.)  350  350  250  250  NS/SAMPLING N  (L/Min.)	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (RTIC)  /2.82  /2.86  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.83	Temp. (Colsius) [3%]*  10.56 10.58 10.58 10.58 10.46 10.58 10.46 tive readings of	pH  [0.1 units]*   6.90  6.96  6.76  6.77  6.78  6.78  6.78  6.78  6.78	(mS/cm) [3%]* 1,555 1,573 1,570 1,598 1,608 1,601 5-minute intervale	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)
1325 330 335 340 1345 1350 1351 The stabilization observation for the document of the d	Pump Rate (L/min.)  350  350  250  250  on criteria for each NS/SAMPLING N  (L/min.)  (L/min.)	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (RTIC)  /2.82  /2.86  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.83	Temp. (Colsius) [3%]*  10,56 10,58 10,58 10,46 10,46 10,46 25 - Key	pH  [0.1 units]*   (c. 90  (c. 96  (c. 98  (c. 98	(mS/cm) [3%]*   1.555  1.573  1.598  1.608  1.601  5-minute intervale  5-light	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)
1320 1325 1335 1345 1345 1357 The stabilization observation taylord deviced with the stabilization of the stabiliz	Pump Rate (L/min.)  350  350  250  250  on criteria for each NS/SAMPLING N  (L/min.)  (L/min.)	Total Gallons Removed 12.82 0.46 0.92 1.25 1.58 1.91 2.11 2.31 child parameter control of the co	Water Level (RTIC)  /2.82  /2.86  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.82  /2.83	Temp. (Colsius) [3%]*  10,56 10,58 10,58 10,46 10,46 10,46 25 - Key	pH  [0.1 units]*   6.90  6.96  6.76  6.77  6.78  6.78  6.78  6.78  6.78	(mS/cm) [3%]*   1.555  1.573  1.598  1.608  1.601  5-minute intervale  5-light	(NTU) [10% or 1 NTU]* /28 53 /3 65 5	TUSIII.  DO (mg/l)  [10% or 0.1 mg/l]*   4,60  2,55  1,70  1,76  1,56  1,53  column heading.	ORP (mV)

1348

All Sand	

Well No.	HR-G3-MW-1
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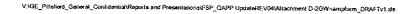
Site/GMA Name Sampling Personnel

 $\frac{\mathsf{G}}{\mathsf{KLC}} = \frac{\mathsf{RAB}}{\mathsf{RAB}}$ 

Date Weather ring Bleen Law 50s

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORF (mV [10 m\
1354	250_	2.50	12.82	10.51	6.98	1.669	2	1.58	-73.
		Sarry	2/e c/	(G) (	354				
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	,					***			
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the data made parameter (which consecutive readings conlected at 5. to 5-minute intervals) is listed in each column neading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS



Marie   Mari	Well No.	- 05 <del>10</del>			Site/GMA Nam	<b>6</b> (7/1	A/		
PID Background (ppm) West Headspace (ppm) West Headspace (ppm) Reference Point Marked? Height of Reference Point Marked? West Depth	Key No.	***		Saut			CIKAB		
Reference Point Marked?  Reference Point Marked?  Well of Selected Depth	PID Background (p	pm)	-	_				· · · · · · · · · · · · · · · · · · ·	
Reference Point Marked?  Well Diameter Screen Interval Depth 17.75  Meas. From 11.C  Required  Anabrical Parameters: Collected  Anab	Well Headspace (pr	em)			Weath	or Lt k	CELL E	10.105	
Reference Point Market?  Well Depth	~							0.00	
Height of Reference Point  Screen Interval Depth  West Table Depth  J. J. J. Meas. From TIC  Required  Langtin of Water Column  S. J. Meas. From TIC  Required  Anadytical Parameters:  Collected  VOCs (Std. lat)  VOCs (Std. lat)		(G)					Sample Tim	·	
Water Table Depth 3/2   Meas. From TIC   Required   Analytical Parameters:   Collected   VOCs (Exp. test)		- 11		Crown	ual		Sample I	D_ <u>CS(-0</u>	5 <b>N</b>
Meter Table Depth (1) Meas. From TIC (1) VOCs (Exp. list) (1			Meas. Fro	m <u>UTOU</u>	and 1			~	
Meter Table Depth (1) Meas. From TIC (1) VOCs (Exp. list) (1			5 Mana Em	(stan	d			·	····
Well Depth (1) Meas. From (1) Required (1) Anabrical Parameters: Collected VOCs (Std. list) (1) VOCs (Std. list) (					<del></del>		Spir Sample (	J	
Length of Water Column 8: 3   VOCs (Exp. isis)   VO			7 C	·		Required	. Analytic	al Parameters	Collected
VOCs (Exp. list)  VOCs (Exp. list)  VOCs (Exp. list)  SVCCs  (C)  PCBs (Total)  (C)  MetaMinorganics (Total)  (C)  PCBs (Total)  (C)  MetaMinorganics (Total)  (C)  PCC (Sasing  (C)  MetaMinorganics (Total)  (C)  PCC (Sasing  (C)  MetaMinorganics (Clasobed)  (C)  PCC (Sasing  (MetaMinorganics (Clasobed)  (D)  PCC (Spasing)  (Met			<del></del>			( )			
PCBs (Total)  PCBs (Dissolved)  Metalafinorganics (Dissolved)  Metalafinorganics (Dissolved)  PAC Cyanide			<del></del>			· ( 3	,	•	
PCBs (Dissolved)   PCBs (Disso	itake Depth of Pump/Tub	ing Lift	Meas, Fro	m //		( )	5	SVOCs	( )
Top of luner (PVC) Casing  Medalunorganics (Total)  Metalunorganics (Total)  Metalunorganics (Total)  Metalunorganics (Dissolved)  EPAC Cyranice (Dissolved)  PAC Cyranice (Di	fazanca Onint Identification					•	PCI	3s (Total)	( )
C: Top of Outer (Protective) Casing (heads/Inorganics (Obsolved) (heads/Inorganics (heads/Inor						( <b>X</b> ( )	PCB8	(Dissolved)	( <u>%</u> )
Sevelop? Y N   PCDDsPCDFs   PAG Cyanide (Dissolved)   PAG Cyanide (D									( )
PAC Cyaniste (Dissolved)   PAC Cyaniste (Disso							-		( )
PCDDs/PCDFs   Pesticides   Pe	^					` '		•	( )
CUATION INFORMATION Pump Start Time Pump Stort Time Minutes of Pumping Obume of Water Removed Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Pump Pump Total Removed (R TIC) (Removed RTIC) (Removed (R TIC) (Residual) (R TIC) (R TIC	evelopî' Y (N)					, .	•		( )
ACUATION INFORMATION Pump Start Time Pump Stop Time Minutes of Pumping Obume of Water Removed Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  ### ### ### ### #### ###############						( )			( )
CUATION INFORMATION Pump Start Time Pump Stop Time Whitutes of Pumping Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Did Well Go Dry?  No (Specify)  No (Spec						( )			( )
Pump Step Time Pump Step Time Minutes of Pumping Ohime of Water Removed Did Well Go Dry?  Water Quality Meter Type(s) / Serial Numbers:  Pump Total Water Tempy (Colesius) (L/min.) Removed (R TIC) [3%]* [0.1 units]* [3%]* [10% or 1 NTU* [10% or 0.1 mg/l*]* [10 mV]*  Pump Time Rate Gallons Level (Colesius) (L/min.) Removed (R TIC) [3%]* [0.1 units]* [3%]* [10% or 1 NTU*]* [10% or 0.1 mg/l*]* [10 mV]*  25 36 2.3 35 15 2.4 (2.4 1.574 2.5 1.77 1.2 3.7 1.5 1.2 4.2 4.7 4.5 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2	CHATION INCODMATO	145				( )	Other	(Sparaify)	( )
Pump   Total   Water   Temp.   pH   sp. Cond.   Turbidity   DO   ORP   (Celsius)   (ms/em)   (NTU)   (mg/t)   (mv)	•		· · · · · · · · · · · · · · · · · · ·					• -	ecify ( )
(L/min.) Removed (R TIC) [3%]* [0.1 units]* [3%]* [10% or 1 NTU]* [10% or 0.1 mg/l]* [10 mV]*  20 0.53 35.79 30 - 30 - 30 - 30 - 30 - 30 - 30 -	olume of Water Remove Did Well Go Dry	4.500	- 	030	Peristaltic Pun Pump Type: Samples colle	10() S:	thmersible Pump	Other/Sp Sustew O	<u>- у е</u> fy)
20 90 0.53 35.79 — — 30 — 30 — 25 30.77 [23.7]  25 360 0.93 35.71 [2.78 [2.77 [25.7] 25 ].77 [23.7]  30 36 26 1.33 35.75 [2.45 [2.64 [593 [2 ] 2.24 ].24 ].24 ].24 ].25 ].25 ].26 [2.32 35.75 [2.37 [2.64 [597 ]].37 ].25 ].26 [2.32 35.75 [2.37 [2.64 [597 ]].37 ].25 ].26 [2.32 35.75 [2.37 [2.64 [597 ]].37 ].26 [2.65 [2.37 [2.37 [2.37 [2.64 [2.57 [2.37 [2.37 [2.64 [2.57 [2.37 [2.37 [2.64 [2.57 [2.37 [2.64 [2.57 [2.37 [2.64 [2.64 [2.57 [2.64 [2.6	Did Well Go Dry  Water Quality  Pump	Meter Type(s)/	YST # Sorial Numbers:	- 030 556 - M/A Temp.	Peristaltic Pun Pump Type: Samples colle 372 /	cted by same m	bmersible Pump	Other/sp Susfew O n? (Y) N (spec	ye.  Yurb,
25 360 0.93 35 + 12.76 (c.f. + 15.76 25 1.77 123.7 0.30 1.33 35.15 12.45 (c.f. + 15.76 25 1.77 123.7 5 250 1.33 35.15 12.45 (c.f. + 15.77 18 1.39 1.44 1.59 18 18 18 18 18 18 18 18 18 18 18 18 18	Did Well Go Dry  Water Quality  Pump Rate	Meter Type(s) /:  Total Gallone	Serial Numbers: Water Level	Temp.	Peristatic Pun Pump Type: Samples colle	cted by same model (# 2 sp. Cond. (ms/cm)	the pump of the pu	Other/sp Susfew O n? Y N (spec L 2/00 F DO (mg/l)	Turb,
C 26 1.33 35.15   2.45   6.65   1.577   8   50   1.66   35.18   12.43   6.64   15.93   7   1.24   97.8   1.99   35.13   1.44   6.64   1.597   9   1.39   1.5	Did Well Go Dry  Water Quality  Pump  Rate (L/min.)	Meter Type(s) /:  Total Gallons Removed	Serial Numbers: Water Level	756 - M / Temp. (Colsius) [3%]"	Peristatic Pun Pump Type: Samples colle	cted by same model (# 2 sp. Cond. (ms/cm)	tonersible Pump  CL ~ VK -  ethod as evacuation  Turbidity (NTU)  [10% or 1 NTU]*	Other/sp Susfew O n? Y N (spec L 2/00 F DO (mg/l)	Turb,
C   36   7.33   35,45   2,45   6.65   1.577   8   50   11/4   6.64   1.577   9   1.377	Did Well Go Dry  Water Quality  Pump Ime Rate (L/min.)	Meter Type(s) /:  Total Gallona Removed  0.53	Serial Numbers: Water Level	756 - M / Temp. (Colsius) [3%]"	Peristatic Pun Pump Type: Samples colle	Sp. Cond.  (mS/cm)  [3%]	tonersible Pump  CL ~ VK -  ethod as evacuation  Turbidity (NTU)  [10% or 1 NTU]*	Other/sp Susfew O n? Y N (spec L 2/00 F DO (mg/l)	Turb,
25	Did Well Go Dry  Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallona Removed  0.53	Serial Numbers: Water Level	756 -M / Temp. (Colsius) [3%]*	Peristatic Pun Pump Type: Samples colle	Sp. Cond.  (mS/cm)  [3%]	tonersible Pump  CL ~ VK -  ethod as evacuation  Turbidity (NTU)  [10% or 1 NTU]*	Other/sp Susfew O n? Y N (spec L 2/00 F DO (mg/l)	ORP (mV) [10 mV]*
10	Did Well Go Dry  Water Quality  Pump Rabe (L/min.)	Meter Type(s) /:  Total Gallons Removed  0.53  0.93	VST + Serial Numbers: Water Level (fit Tic) 35 77	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond.  [3%]	Turbidity (NTU)	Other/sp Susfe w O n? Y N (spec L 2 100 F DO (mg/l) [10% or 0.1 mg/l*	7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2.37 35.+5 12.37 (	Water Removed Did Well Go Dry  Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallone Removed  0.53  0.93  /-33	VST + Serial Numbers:  Water Level (ft Tic)  35 79  35 71  35 75	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (ms/cm) [3%]*	thmersible Pump  CL ~ K'K -  ethod as evacuation  /-(a  Turbidity (NTU) [10% or 1 NTU]*	Other/Sp Suste w O n? (7) N (spec L 2100 F DO (mg/l) [10% or 0.1 mg/l*	(mV) [10 mV]*  [23.7- [13.4-
2.37 35 +5 12.37 (	Water Removed Did Well Go Dry  Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallons Removed  0.53  0.93  /.33	VST + Sorial Numbers:  Water Level (RTIC)  35 49  35 41  35 45	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	the state of the s	Other/sp Sustem 0 n? (7) N (spec L 2 (00 F) DO (mg/l) [10% or 0.1 mg/l*   17-   150	(mV) [10 mV]*  [23.7- [13.4-
2.65 35.75 2.34 (4 5/3 5 2.85 7 2.85 35.75 2.34 (4 5/4 5/4 2.42 5/5 7 2.85 35.75 2.34 (4 5/4 5/4 2.42 5/5 7 2.85 35.75 2.34 (4 5/4 5/4 2.42 5/5 7 2.42 5/5 7 2.85 2.34 (4 5/4 5/4 2.42 5/5 7 2.42	Water Removed Did Well Go Dry  Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallons Removed  0.53  0.93  /.33	Water Level (NTC) 35.79 35.74 35.75 35.76 35.76 35.76	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	the state of the s	Other/sp Sustem 0 n? (7) N (spec L 2 (00 F) DO (mg/l) [10% or 0.1 mg/l*   17-   150	(mV) [10 mV]*  [23.7- [13.4-
2.85 35.75 2.34 6.44 5.11 4 2.42 5.74 stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.  RVATIONS/SAMPLING METHOD DEVIATIONS	Olume of Water Removed Did Well Go Dry  Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallone Removed  0.53  0.93  /.33  /.49	Water Level (NTC) 35.79 35.74 35.75 35.76 35.76 35.76	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	the state of the s	Other/sp Sustando n? (7) N (spec L 2100 F DO (mg/l) [10% or 0.1 mg/lt* 	ORP (mV) [10 mV]*
stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.  RVATIONS/SAMPLING METHOD DEVIATIONS  RVATIONS/SAMPLING METHOD DEVIATIONS	Olume of Water Removed Did Well Go Dry Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallons Removed  0.53  0.93  /.33  /.66  /.99  2.37	Water Level (NTC) 35.79 35.74 35.75 35.76 35.76 35.76	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	the state of the s	Other/sp Suste w O n? (P) N (spec L 2 (00 F) DO (mg/l) [10% or 0.1 mg/l* 1.77 1.77 1.74 1.37 2.10	ORP (mV) [10 mV]*
NATIONS/SAMPLING METHOD DEVIATIONS  (VATIONS/SAMPLING METHOD DEVIATIONS	Water Removed Did Well Go Dry  Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallons Removed  0.53  /.33  /.46  /.99  2.37	#Serial Numbers:    Water   Level   (ft Tic)   35.79   35.76	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	the state of the s	Other/sp Sustando no ON (spec L 2100 F DO (mg/h) [10% or 0.1 mg/ft* 1.77 1.77 1.77 1.77 1.77 1.77	123.7 115 90.1 86.7
2.85 36.75 2.34 (3.4 5/1 4 3.4 5/1 4	Olume of Water Removed Did Well Go Dry  Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallone Removed  0.53  0.93  /-33	VST + Serial Numbers:  Water Level (ft Tic)  35 79  35 71  35 75	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (ms/cm) [3%]*	thmersible Pump  CL ~ K'K -  ethod as evacuation  /-(a)  Turbidity (NTU) [10% or 1 NTU]*	Other/Sp Suste w O n? (7) N (spec L 2100 F DO (mg/l) [10% or 0.1 mg/l*	123.7
tabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	Did Well Go Dry  Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallons Removed  0.53  0.93  /.33  /.66  /.99  2.37	#Serial Numbers:    Water   Level   (ft Tic)   35.79   35.76	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	the state of the s	Other/sp Sustem 0 n? N (spec L 2/00 F DO (mg/l) [10% or 0.1 mg/l* 1.77 1.60 1.24 1.37 1.37 1.76	7006 7006 0RP (mV) [10 mV] - 123.7 111.1
ATIONS/SAMPLING METHOD DEVIATIONS (111) PETER 10 (31 (4 5) 20	Water Quality  Pump Rate (L/min.)	Meter Type(s) /:  Total Gallons Removed  0.53  /.33  /.46  /.99  2.37	#Serial Numbers:    Water   Level   (ft Tic)   35.79   35.76	750 - M / Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  372 / pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	the state of the s	Other/sp Suste w O n? (T) N (spec L 2100 F DO (mg/l) [10% or 0.1 mg/l* 1.77 1.24 1.37 2.10 2.10	123.7 115 90.1 86.7
·	Water Removed Did Well Go Dry  Water Quality  Fump Rate (L/min.)  20 20 20 20 20 20 20 20 20 20 20 20 20 2	Meter Type(s) /:  Total Gallons Removed  0.53  /.33  /.466  /.99  2.37  2.65	Water Level (RTIC) 35.79 35.75 35.75 35.75 35.75 ar (three consections)	12.45 12.35 12.35	Peristatic Pun Pump Type: Samples colle  23 pH  [0.1 units]*  (c.lf. (c.lf.) (c.lf.) (c.lf.) (c.lf.) (c.lf.) (c.lf.) (c.lf.) (c.lf.)	Sp. Cond. (mS/cm) [3%]*  1.576  1.576  1.577  1.577  1.577  1.577	timersible Pump  CL WK -  ethod as evacuation  // c  Turbidity (NTU) [10% or 1 NTUP  25	Other/sp Sustando no ON (spec L 2100 F DO (mg/l) [10% or 0.1 mg/lt* 	123.7 115 90.1 86.7
	Volume of Water Removed Did Well Go Dry  Water Quality  Pump Rate (L/min.)  20 20 20 20 20 20 20 20 20 20 20 20 20 2	Meter Type(s) /:  Total Gallons Removed  0.53  /.33  /.466  /.99  2.37  Z.85  ch field paramet	Water Level (ft TIC)  35.79  35.75  35.76  35.75  35.75  35.75  36.75  37.75  er (three consecutions	Temp. (Colsius) [3%]*  [2,45] [2,44] [2,44] [2,34] [2,34] [2,34] [2,34] [2,34]	Peristatic Pun Pump Type: Samples colle  372  pH  [0.1 units]*  (c.lf  (c	Sected by same median (mS/cm)  [3%]*  [576  [.576  [.577]  [.577  [.577  [.577]  [.577]  [.577]  [.577]  [.577]  [.577]  [.577]	tomersible Pump  CL ~ VK -  ethod as evacuation  /-(	Other/sp Sustando no ON (spec L 2100 F DO (mg/l) [10% or 0.1 mg/lt* 	123.7 115 90.1 86.7
LE DESTINATION	/olume of Water Removed Did Well Go Dry  Water Quality  Pump Rate (L/min.)  20 20 30 30 30 30 30 30 30 30 30 30 30 30 30	Meter Type(s) /:  Total Gallons Removed  0.53  /.33  /.466  /.99  2.37  Z.85  ch field paramet	Water Level (ft Tic) 35.79 35.76 35.76 35.76 35.76 35.75 35.75 37.75 ar (three consecutions of the time of tim	Temp. (Colsius) [3%]*  [2,45] [2,44] [2,44] [2,34] [2,34] [2,34] [2,34] [2,34]	Peristatic Pun Pump Type: Samples colle  372  pH  [0.1 units]*  (c.lf  (c	Sected by same median (mS/cm)  [3%]*  [576  [.576  [.577]  [.577  [.577  [.577]  [.577]  [.577]  [.577]  [.577]  [.577]  [.577]	tomersible Pump  CL ~ VK -  ethod as evacuation  /-(	Other/sp Sustando no ON (spec L 2100 F DO (mg/l) [10% or 0.1 mg/lt* 	123.7 115 90.1 86.7
LE DESTINATION  POPULATION	Olume of Water Removed Dick Well Go Dry Water Quality  Pump Rate (L/min.)  20 20 20 20 20 20 20 20 20 20 20 20 20 2	Meter Type(s) /:  Total Gallons Removed  0.53  /.33  /.466  /.99  2.37  Z.85  ch field paramet	Water Level (ft Tic) 35.79 35.76 35.76 35.76 35.76 35.75 35.75 37.75 ar (three consecutions of the time of tim	Temp. (Colsius) [3%]*  [2,45] [2,44] [2,44] [2,34] [2,34] [2,34] [2,34] [2,34]	Peristatic Pun Pump Type: Samples colle  372  pH  [0.1 units]*  (c.lf  (c	Sected by same median (mS/cm)  [3%]*  [576  [.576  [.577]  [.577  [.577  [.577]  [.577]  [.577]  [.577]  [.577]  [.577]  [.577]	tomersible Pump  CL ~ VK -  ethod as evacuation  /-(	Other/sp Sustando no ON (spec L 2100 F DO (mg/l) [10% or 0.1 mg/lt* 	123.7 115 90.1 86.7
E DESTINATION	Did Well Go Dry  Water Quality  Pump Rate (L/min.)  25 360  360  360  360  360  360  360  360	Meter Type(s) /:  Total Gallons Removed  0.53  /.33  /.33  /.99  2.37  Z.65  Z.85  uch field paramet  METHOD DEVM	Water Level (ft Tic) 35.79 35.76 35.76 35.76 35.76 35.75 35.75 37.75 ar (three consecutions of the time of tim	Temp. (Colsius) [3%]*  [2,45] [2,44] [2,44] [2,34] [2,34] [2,34] [2,34] [2,34]	Peristatic Pun Pump Type: Samples colle  372  pH  [0.1 units]*  (c.lf  (c	Sected by same median (mS/cm)  [3%]*  [576  [.576  [.577]  [.577  [.577  [.577]  [.577]  [.577]  [.577]  [.577]  [.577]  [.577]	tomersible Pump  CL ~ VK -  ethod as evacuation  /-(	Other/sp Sustando no ON (spec L 2100 F DO (mg/l) [10% or 0.1 mg/lt* 	123.7 115 90.1 86.7

Well No. ESA [-54]	Site/GMA Name		
	Sampling Personnel		
	Date	// 1.1 A	
	Weather	L+ Rain Low 40	

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
856	250	3-05	35.95	12.36		1.595	3		[10 mV]
	200	1	3575		6.64	rear	7	1 0.0	89.2
900	<del>                                     </del>	3.31		12.33	6.64	1.575	L	2.11	89.
903		3.51	35.75	12.39	6.65	1.593	2	1.87-	90.t
906		3-71	35.75	12.28	6.64	1.595	2	1.90	907
909	V	391	35.75	12.27	6.64	1.596	2	1.88	91/2
					<b>V</b> • <b>U</b>		<b></b>	1.00	71.10
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		<u>5a</u>	mpled	(b) 9	09				
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The stabilization charles for each setti parameter (three consecutive readings collected at 3- to 5-minute intervals) is fisted in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS

Well No									
		-XTL			She/GMA Nam	·	7 <u>+\</u>	····	
Key No	***************************************			Sam	pling Personne	1 <u>K((</u>	/KAD		
	ickground (ppr		····		Dat	•4/	10108		
Weil H	leadspace (ppn	n)			Weathe	r <u>Suith</u>	y Bieco	za Mek	403
EL MEAL	DAHAYION					/	7	1 -	
MELL INFOR		_					Sample Tim		
	ice Point Marke	211		1	,		Sample I	D_ES1-27	K
Height o	of Reference Poi	int	Meas. From	m (Dai	<u> </u>		Ouplicate i	D	
	Well Diamet	er2''	_				MS/MS	D	
Scre	en interval Dep	tn <u>9.3-7</u>	7.3 Meas, Free	m Correcci	-1		Spilt Sample il		
W	Vater Table Dep	th $(e, E)$	Meas. From		****		apm sample i		
	Well Dep	h 19.03	Meas, From			Required	Annhelin	al Parameters;	المحدد حالم ٥
Length	of Water Colum	n 12.22		··		/ coquired	***************************************		Collected
_	e of Water in We						,	S (Std. iist)	( )
	h of Pump/Tubin		Mana (***********************************	n CROUN	<i>91</i>	( )		a (Exp. list)	( )
iano copu	or or unique rubar	9	MICHS. FIOR	n ( /c Ccat	<u>~</u> !/	( )		SVOCs	( )
·	ind the correction of					( )	PCI	Bs (Total)	( )
	int Identification:					( <b>X</b> )	PCBs	(Dissolved)	( <b>X</b> )
	ner (PVC) Casi	-				( )	Metals/ind	organics (Total)	( )
	Outer (Protective	e) Casing				( )	Metals/Inorg	anics (Dissolved)	( )
ade/BGS; (	Ground Surface					( )		nide (Dissolved)	( )
	$\sim$					( )	-	ide (Dissolved)	( )
develop?	Y(N)					( )	•	Ds/PCDFs	1 1
						( )		es/Herbicides	
						( )			( )
								Attenuation	( )
ACUATION	INFORMATION					1 ;	Ome	r (Specify)	( )
	Vater Removed id Well Go Dry?	1-40 g.	allow.	u	Pump Type:	MAYSC	hall - Syr mod as evacuatio	tem One	ecify ( )
Di	ld Well Go Dry?	Y (N)	45I. Serial Numbers:	- 03cc	Pump Type: Samples collec	MAYSC	hall - Sys	tem one	ify)
Di	ld Well Go Dry?	Y (N)	45I. Serial Numbers:	# ()3(c -MPJ Temp.	Pump Type: Samples collect	Marse ted by same me	halls - 5 y s  who as evacuation	tem One n? (Y) N (spec lach 2100	****) P Thr51
Di	id Well Go Dry?	Y (N)	Serial Numbers:	-MPJ	Pump Type: Samples collec	May 5 c ted by same me	halle - 5 v s  whood as evacuatio	tem One  107 (Y) N (spec  (ach 2/00  DO	ORP ORP
ומ	ki Well Go Dry? Water Quality M	Y (N)/ feter Type(s) / 5  Total	Serial Numbers: 5376 Water	()3(() -MPJ Temp.	Pump Type: Samples collect	Marse ted by same me	halle - 5 v s  whood as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV)
ia	ki Well Go Dry? Water Quality A Pump Rate	Y (N)  feter Type(s) / 5  Total  Gallons	Serial Numbers: 536 Water Level	Temp.	Pump Type: Samples collect	May 5 c ted by same me  Sp. Cond.  (mS/cm)  [3%]*	halle - 5 v s  whood as evacuatio  Turbidity (NTU)	tem One  107 (Y) N (spec  (ach 2/00  DO	ORP (mV)
ia	ki Weil Go Dry?  Water Quality N  Pump  Rate (L/min.)	Y (N)  feter Type(s) / 5  Total  Gallons	Serial Numbers: 537 Water Level (ft TIC) 7.65	Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mars conditions to the same means to the same me	halle - 5 v s  whood as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
ia	ki Well Go Dry? Water Quality A Pump Rate	Y (N)  feter Type(s) / 5  Total  Gallons	Serial Numbers: 537 Water Level (ft TIC)	Temp. (Celsius) [3%]*	Pump Type: Samples collect 392 A pH [0.1 units]*	Mars cond. Sp. Cond. (ms/cm) [3%]*	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
ia	ki Weil Go Dry?  Water Quality N  Pump  Rate (L/min.)	Y (N)  feter Type(s) / 5  Total  Gallons	Serial Numbers: 537 Water Level (ft TIC) 7.65	Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mars conditions to the same means to the same me	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
ia	ki Weil Go Dry?  Water Quality N  Pump  Rate (L/min.)	Y (N)  feter Type(s) / S  Total Gallons Removed	Serial Numbers: 537 Water Level (ft TIC) 7.65	(3(c) -MPJ Temp. (Cefsius) [3%]*	Pump Type: Samples collect 392 A pH [0.1 units]*	M ~ 5 c tool by same me  F (H )  Sp. Cond. (mS/cm) [3%]*	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
ia	ki Weil Go Dry?  Water Quality N  Pump Rate (L/min.)	Feter Type(s)/S  Total Gallons Removed  70 95  408,7	Serial Numbers: 537 Water Level (ft TIC) 7.65	(3(c) -MPJ Temp. (Colsius) [3%]*	Pump Type: Samples collect 392 A pH [0.1 units]* 7,44 7,449	Mars cond. Sp. Cond. (ms/cm) [3%]*	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
ia	ki Weil Go Dry?  Water Quality N  Pump Rate (L/min.)	Feter Type(s)/S  Total Gallons Removed  708,7	Serial Numbers: 537 Water Level (ft TIC) 7.65	(3(c) -MPJ Temp. (Cefsius) [3%]*	Pump Type: Samples collect 392 A pH [0.1 units]*	M ~ 5 c tool by same me  F (H )  Sp. Cond. (mS/cm) [3%]*	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
ia	ki Weil Go Dry?  Water Quality N  Pump Rate (L/min.)	Feter Type(s)/S  Total Gallons Removed  70 95  408,7	Serial Numbers: 537 Water Level (ft TIC) 7.65	(3(c) -MPJ Temp. (Cefsius) [3%]*	Pump Type: Samples collect 392 A pH [0.1 units]* 7,44 7,449	M ~ 5 c tool by same me  F (H )  Sp. Cond. (mS/cm) [3%]*	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
ia	ki Weil Go Dry?  Water Quality N  Pump Rate (L/min.)	Feter Type(s)/S  Total Gallons Removed  708,7	Serial Numbers: 537 Water Level (ft TIC) 7.65	(3(c) -MPJ Temp. (Cefsius) [3%]*	Pump Type: Samples collect 392 A pH [0.1 units]* 7,44 7,449	M ~ 5 c tool by same me  F (H )  Sp. Cond. (mS/cm) [3%]*	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
ia	ki Weil Go Dry?  Water Quality N  Pump Rate (L/min.)	Y (N)  Reter Type(s)/S  Total Gallons Removed  70 95  40 8, 7  0.60  0.99  1.19	V5T. Serial Numbers:	(3(c) -MPJ Temp. (Cefsius) [3%]*	Pump Type: Samples collect 392 A pH [0.1 units]* 7,44 7,449	M ~ 5 c tool by same me  F (H )  Sp. Cond. (mS/cm) [3%]*	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  n? (Y) N (spec  ach 2/00  DO (mg/l)	ORP (mV) [10 mV]*
Time 300 10 15 20 25 30	Water Quality N Pump Rate (Limin.)	Y (N)  Reter Type(s)/S  Total Gallons Removed	V5T. Serial Numbers: 53% Water Level (RTIC) 7.65 16.70 8.77 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time 300 //0 //0 //5 //5 //20 //25 //25 //25 /	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Q	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 1.19 Samp thield parameter	Serial Numbers: 537 Water Level (ft TIC) 7.05 1.60 9.07 8.29 8.79 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	halle - 5 v s  who as evacuatio  Turbidity (NTU)	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time 300 //0 //0 //5 //5 //20 //25 //25 //25 /	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Q	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time 300 //0 //0 //5 //5 //20 //25 //25 //25 /	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Q	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 1.19 Samp thield parameter	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time 300 //0 //0 //5 //5 //20 //25 //25 //25 /	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Q	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (ft TIC) 7.05 1.60 9.07 8.29 8.79 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time 300 //0 //0 //5 //5 //20 //25 //25 //25 /	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Q	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time 300 //0 //0 //5 //5 //20 //25 //25 //25 /	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Q	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time  7:0 // // // // // // // // // // // // //	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Quality Material Quality Material for each sysampting Material Quality Material for each sysampting Material Quality Material Quality Material for each sysampting Material Quality Material for each sysampting Material Quality Material Q	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time  700  700  700  700  700  700  700  7	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Quality Material (Umin.)	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	03(c -MPJ Temp. (Colsius) [3%]* 5 - 8.06 7.96 7.94 7.94 7.94	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  769	M ~ 5 c ted by same me  F (# 5  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time  7(0)  // // // // // // // // // // // // /	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material for each sysampling Material for each sysampling Material for each sysampling Material for each sysampling Material	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	(Coisius) (Socialis) (	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  7,65  7,69	M ~ 5 c ted by same me  F (H ~  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s  thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2  / 6  5  5  a) is listed in each	tem One  17 (Y) N (spec  (ach 2100)  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mv) [10 mv]*
Time  700  700  700  700  700  700  700  7	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material for each sysampling Material for each sysampling Material for each sysampling Material for each sysampling Material	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	(Coisius) (Socialis) (	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  7,65  7,69	M ~ 5 c ted by same me  F (H ~  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s  thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2  / 6  5  5  a) is listed in each	tem One  17 (Y) N (spec  (ach 2100)  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mv) [10 mv]*
Time  7(0)  // // // // // // // // // // // // /	Water Quality Mater Quality Material for each IS/SAMPLING MATION SGS	Keter Type(s)/S Total Gallons Removed  708,7 0.60 0.99 ///9 ///9 ///9 //// //// //// ///	Serial Numbers: 537 Water Level (RTC) 7.05 18.20 8.77 8.79 8.79 8.79 8.79 8.79 8.79 8.79	(Coisius) (Socialis) (	Pump Type: Samples collect 392 A  pH  [0.1 units]*  7,44  7,49  7,49  7,65  7,65  7,69	M ~ 5 c ted by same me  F (H ~  .Sp. Cond. (mS/cm) [3%]*	h-Ili - 5 y s  thod as evacuatio  Turbidity (NTU) [10% or 1 NTUP  / 2  / 6  5  5  a) is listed in each	tem One  17 (Y) N (spec  Lach 2100  DO (mg/l)  [10% or 0.1 mg/l]	ORP (mv) [10 mv]*

Key I			<b>5</b> 2		Site/GMA Na				
_	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				mpling Person		<u>ras</u>		
	Background (ppr		·		Da	<b>4/17/0</b>	8		
VV-II	Headspace (ppr	m)			Weath	رياميڪ 🕶	<i>' 5</i> 5°		
WELL INFO	DHATION							•	
	once Point Marke						Sample Tir		
						:	Sample	ID ·	
Height	of Reference Poi	<del></del>	Moas. Fro	mx	<u>.                                    </u>		Ouplicate	(D	
	Well Diamet	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<del></del>				MSAMS	SD 03	
Sca	reen interval Dep	#_2-2	A. Meas. Fro	vn			Snill Samein	ID	~~···
1	Water Table Dep	th 4.25		m			Sp. Continue	··	
Вот	TOM Well Dept	n 5.64	Moss. Fro	m		Required			
Lengti	h of Water Colum	173	_					al Parameters:	Collecti
	ne of Water in We		<del></del>			( )	,	Cs (Stot, list)	( )
	th of Pump/Tubin					( )	VOC	a (Exp. list)	( )
Сор.	ar or range rape	a	MOSS. PTO	m	_	( )		SVOCs	( )
						( )	PC	Bs (Total)	· ( )
	oint Identification:					( )	PCBs	(Dissolved)	( )
	inner (PVC) Casir					( )		organics (Total)	( )
OC. Top of	Outer (Protective	e) Casing				( )		panics (Dissolved)	
rede/BGS:	Ground Surface					( )			( )
								nide (Dissolved)	( )
ledevelop?	Y N					( )	•	nide (Dissolved)	{ }
•						( )		Ds/PCDFs	( )
						( )	Pesticid	es/Herbicides	( )
						( )	Natura	Attenuation	( )
						( )	Othe	r (Specify)	( )
	NIFORMATION								, ,
	Pump Start Time		_						
F	Pump Stop Time		_	i .	Evacuation M	ethod: Bailer	( ) Blackter	Pump ( )	
	utes of Pumping				Peristaltic Pun			· · ·	
Volume of V	Water Removed					nn i s	uhmareinia Dama.		
	lid Well Go Dry?		erial Numbers		Pump Type:		ubmersible Pump e		
	Water Quality Me	eter Type(s) / S Total Gailone	erial Numbers: Water Level	Temp. (Celsius)	Pump Type:		·		orp
Time	Water Quality M	eter Type(s) / S	Water		Pump Type: Samples colle	Sp. Cond.	ethod as evacuatio	n? Y N (speci	ORP
Time	Water Quality Me	eter Type(s) / S Total Gailone	Water Level	(Colsius)	Pump Type: Samples collection	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time	Water Quality Me	eter Type(s) / S Total Gailone	Water Level (ft TIC)	(Celeius) [3%]*	Pump Type: Samples collection pH [0.1 units]*	Sp. Cond.	Turbidity (NTU)	n? Y N (speci	ORP
Time	Water Quality Me	eter Type(s) / S Total Gailone	Water Level (ft TIC)	(Celeius) [3%]*	Pump Type: Samples collection pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time	Water Quality Me	eter Type(s) / S Total Gailone	Water Level (ft TIC)	(Celeius) [3%]*	Pump Type: Samples collection pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time	Water Quality Me	eter Type(s) / S Total Gailone	Water Level (ft TIC)	(Celeius) [3%]*	Pump Type: Samples collection pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
Time	Water Quality Me	eter Type(s) / S Total Gailone	Water Level (ft TIC)	(Celeius) [3%]*	Pump Type: Samples collection pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time	Water Quality Me	eter Type(s) / S Total Gailone	Water Level (ft TIC)	(Celeius) [3%]*	Pump Type: Samples collection pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
7 ime	Water Quality Me Pump Rate (LImin.)	Total Gallone Removed	Water Level (RTIC) 5.09	(Coletus) [3%]* //·33	Pump Type: Samples collect  pH  i0.1 units*  G. 27	Sp. Cond. (mS/cm) (3%) (5 · 32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time  932_  stabilization	Water Quality M Pump Rate (L/min.)	Ster Type(s) / S  Total Gallone Removed	Water Level (RTC) 5.09	(Celetus) [3%]* // 3.3	Pump Type: Samples collection  pH  i(0.1 units)*  G · 27	Sp. Cond. (InS/cm) [3%]* (65.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mv) [10 mv]*
Time  0932_  0 stabilization  SERVATIONS	Pump Rate (L/min.)	Ster Type(s) / S  Total Gallone Removed	Water Level (RTC) 5.09	(Celetura) [3%]*  // 3.3  tive readings co	Pump Type: Samples collected  pH  i(0.1 units)*  G. 27	Sp. Cond. (InS/cm) [3%]* (65.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  3.	ORP (mV) [10 mV]  134.5
Time  0932_  0 stabilization	Pump Rate (L/min.)	Ster Type(s) / S  Total Gallone Removed	Water Level (ft TIC) 5.09	(Celetura) [3%]*  //. 33  tive readings co	Pump Type: Samples collect  pH  i0.1 units;*  6.27  iected at 3- to 5	Sp. Cond. (ms/cm) (3%) (5.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  3.	ORP (mV) [10 mV]*  134.5
Time  1932  1 stabilization  ERVATIONS	Pump Rate (L/min.)	Ster Type(s) / S  Total Gallone Removed	Water Level (ft TIC) 5.09	(Celetura) [3%]*  //. 33  tive readings co	Pump Type: Samples collect  pH  i0.1 units;*  6.27  iected at 3- to 5	Sp. Cond. (ms/cm) (3%) (5.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]  134.5
Time  1932  1 stabilization  ERVATIONS	Pump Rate (L/min.)	Ster Type(s) / S  Total Gallone Removed	Water Level (ft TIC) 5.09	(Celetura) [3%]*  //. 33  tive readings co	Pump Type: Samples collect  pH  i0.1 units;*  6.27  iected at 3- to 5	Sp. Cond. (ms/cm) (3%) (5.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  3.	ORP (mV) [10 mV]  134.5
Time  0932_  0 stabilization  SERVATIONS	Pump Rate (L/min.)	Ster Type(s) / S  Total Gallone Removed	Water Level (ft TIC) 5.09	(Celetura) [3%]*  //. 33  tive readings co	Pump Type: Samples collect  pH  i0.1 units;*  6.27  iected at 3- to 5	Sp. Cond. (ms/cm) (3%) (5.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  3.	ORP (mV) [10 mV]*  134.5
932 932 stabilization ERVATIONS	Water Quality Manager Pump Rate (Limin.)	Ster Type(s) / S  Total Gallone Removed	Water Level (ft TIC) 5.09	(Celetura) [3%]*  //. 33  tive readings co	Pump Type: Samples collect  pH  i0.1 units;*  6.27  iected at 3- to 5	Sp. Cond. (ms/cm) (3%) (5.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  3.	ORP (mV) [10 mV]  134.5
1 stabilization ERVATIONS CONTRACTORS CONT	Pump Rate (L/min.)  1 criteria for each S/SAMPLING ME	Ster Type(s) / S  Total Gallone Removed	Water Level (ft TIC) 5.09	(Celetura) [3%]*  //. 33  tive readings co	Pump Type: Samples collect  pH  i0.1 units;*  6.27  iected at 3- to 5	Sp. Cond. (ms/cm) (3%) (5.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  3.	ORP (mV) [10 mV]  134.5
932_  stabilization  ERVATIONS  As ~ C.  PLE DESTIN	Pump Rate (L/min.)  Criteria for each S/SAMPLING ME	eter Type(s) / S Total Gailone Removed  field parameter	Water Level (RTC) 5.09  (three consecutions (A	(Celetura) [3%]*  //. 33  tive readings co	Pump Type: Samples collect  pH  i0.1 units;*  6.27  iected at 3- to 5	Sp. Cond. (ms/cm) (3%) (5.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  3.	ORP (mV) [10 mV]  134.5
Time  0937  Telestablication  SERVATIONS  285- C	Pump Rate (L/min.)  1 criteria for each 8/SAMPLING ME	eter Type(s) / S Total Gailone Removed  field parameter	Water Level (RTC) 5.09  (three consecutions (A	(Coletus) [3%]*  //. 33  three readings coletures  ATRIC SATRICE  VELL ->	Pump Type: Samples collect  pH  i0.1 units;*  6.27  iected at 3- to 5	Sp. Cond. (mS/cm) [3%]* (55.32	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  3.	ORP (mV) [10 mV] [34.5

				<b>~</b>		. 1/1	// // 3 (7)		
Key N PID B	ckground (ppn	n) <i>O</i>	<del></del>	San	npling Personn				
	feadspace (ppn	·		<del></del>	Da:				<del></del>
	Andrew (Pp.	,			Weath	4/1.5	<del>- 2</del>	<del>-/</del>	
WELL INFO	RMATION						Camania 35	1171	
	ice Point Marked	d7 Y N	ė				Sample Tim		
	of Reference Poi	100	Meas Sm	m GRain	(1,)		Sample II		
3,13,	Well Diames			m	<u> </u>		Ouplicate II		
Scr		th 246 34.	b Meas From	n GROW	$\nu \bar{\nu}$		MS/MSI		
	Vator Table Depi		Meas. From				Spilt Sample (I		
		th <u>37.74</u>				Required	Ansivtic:	al Paremeters;	Collected
	of Water Colum					( )		s (Std. list)	( )
		1 3.589	alluns			( 3	,	8 (Exp. list)	( )
Intake Dept	h of Pump/Tubin	g 29.6 "	Meas. From	n 716		( )		SVOCs	( )
						( )		3s (Totai)	( )
Reference Po	int Identification:	:				(X)		(Dissolved)	(%)
	mer (PVC) Casir	-				( )		organics (Total)	( )
	Outer (Protective	e) Casing				( )		anics (Dissolved)	( )
Grade/BGS:	Ground Surface					( )		nide (Dissolved)	( )
	( <u></u> )					( )		ide (Dissolved)	( )
Redevelop?	YW					( )	PCD	Ds/PCDFs	( )
						( )	Pesticide	es/Herbicides	( )
						( )	Naturai	Attenuation	( )
DIAGUATION	INFORMATION					( )	Other	(Specify)	( )
Min Volume of t	Pump Stop Time ates of Pumping Vater Removed id Well Go Dry? *: Water Quality N	7.690H	•	<u> 16 I.</u> ‡	Evacuation M Peristatic Pur Pump Type: Samples colle	np (K) Si Geo Pi	( ) Bladder I ubmersible Purrip (  5 1972   2  athrid as evacuatio	n? (Y) N (spe	
Min Volume of t	Ites of Pumping Vater Removed id Well Go Dry? ': Water Quality N	7/5 9-6 9 all Y (1) Actor Type(s)/S	•	Temp.	Peristaitic Pur Pump Type:	np (K) Si Geo Pi	ibmersible Pump(	Other/S	· · · · · · · · · · · · · · · · · · ·
Min Volume of t	Ites of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate	7/5  9-6 9 all Y N  Anter Type(s)/S  Total Gallona	erial Numbers: Water Level	(Celsius)	Peristaltic Pur Pump Type: Samples colle	cted by same me	Ibmersible Pump (	Other/S  n? (Y) N (spe	cify) 2100P7u
Min Volume of t	Ites of Pumping Vater Removed id Well Go Dry? ': Water Quality N	7/5 9-6 9 all Y (1) Actor Type(s)/S	erial Numbers:		Peristaltic Pur Pump Type: Samples colle	cted by same me	tomersible Pump (  A tot. 10 2  eithed as evacuatio  Turbidity (NTU)	Other/S  n? (Y) N (spe	Cafy) 2100P7C ORP (mV)
Min Volume of t	Ites of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate	7/5  9-6 9 all Y N  Anter Type(s)/S  Total Gallona	erial Numbers: Water Level	(Celsius)	Peristaltic Pur Pump Type: Samples colle	cted by same me	tomersible Pump (  A tot. 10 2  eithed as evacuatio  Turbidity (NTU)	Other/S  n? (Y) N (spe  Hack 3  DO (mg/l)	Cafy) 2100P7G ORP (mV)
Min Volume of t	Ites of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate	Y-G 9 all Y N Aeter Type(s)/S Total Gallona Removed	erial Numbers: Water Level	(Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  pH  [0.1 units]*	sp. Cond. (mS/cm) [3%]*	tomersible Pump (A w 2 P Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	DC (mg/l) [10% or 0.1 mg/l]	Cafy) 2100P 7C ORP (mV) 10 mV)
Min Volume of t	vates of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)	Y-6 9 all Y N  Heter Type(s)/S  Total Gallons Removed	Water Level (RTIC)	(Celsius) [3%]*	Peristalio Pur Pump Type: Samples colle 2	sp. Cond. (mS/cm) [3%]	Turbidity (NTU)	DC (mg/l) [10% or 0.1 mg/l]	Cafy)  2/0//P 7C  ORP  (mV)  10 mV)
Volume of 1	Ites of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate	Y-6 9 all Y N  Heter Type(s)/S  Total Gallons Removed	erial Numbers: Water Level	(Celsius) [3%]*	Peristalio Pur Pump Type: Samples colle	sp. Cond. (mS/cm) [3%]*	tomersible Pump (A w 2 P Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	DC (mg/l) [10% or 0.1 mg/l]	Cafy) 2100P 7C ORP (mV) 10 mV)
Min Volume of t	vates of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)	Y-G 9 all Y N  Anter Type(s)/S  Total Gallona Removed	Water Level (RTIC)	(Celsius) [3%]*	Peristalio Pur Pump Type: Samples colle	sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]	Cafy) 2100P 7C ORP (mV) 10 mV)
Volume of 1	vates of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  6.60	Formula (C. C.)	Water Level (RTIC)	(Celsius) [3%]*	Peristalio Pur Pump Type: Samples colle	sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l)	Cafy) 2100P 7C ORP (mV) 10 mV)
Volume of 1	vates of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  G.40  0.80	Formula (C. C.)	Water Level (RTIC)	(Celsius) [3%]*	Peristalio Pur Pump Type: Samples colle	sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DC (mg/l) [10% or 0.1 mg/l]	Cafy)  2/0/P 7C  ORP  (mV)  10 mV)
Volume of 1	vates of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  6.60	Formula (C. C.)	Water Level (RTIC)	(Celsius) [3%]*	Peristalio Pur Pump Type: Samples colle	sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DC (mg/l) [10% or 0.1 mg/l]	Cafy)  2/0/P 7C  ORP  (mV)  10 mV)
Volume of 1	vates of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  G.40  0.80	Formula (C. C.)	Water Level (RTIC)	(Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle 2 0 3  pH  [0.1 units]*	sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l)	ORP (mV)  [10 mV]*
Volume of 1	vates of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (Limin.)  /5()  0.40  0.80  /.00	7.6 9.11 Y N Heter Type(s)/S Total Gallona Removed 1.50 0.20 1.607 1.607 1.607 1.603	Water Level (RTIC)	(Celsius) [3%]*	Peristalio Pur Pump Type: Samples colle	sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DC (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time  740 945 950 1000 1025 1020	vites of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  /5()  0.40  0.80  /.20	7.6 9.11 Y N Heter Type(s)/S Total Gallons Removed 10.50 16.07 16.07 16.03 16.03 1.40	Water Level (RTIC)  //6.50	(Colsius) 13%1* 	Peristatic Pur Pump Type: Samples colle  2 0 6  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]  28  36  47  47	() Other/S  n? (Y) N (spe  Hack :  DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)  [10 mV]*
Volume of S	vites of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  6.40  6.60  7.00  7.20  In criteria for eaco	7.6 9.11 Y N  Heter Type(s)/S  Total Gallons Removed  1.50  1.07  1.07  1.03  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40  1.40	Water Level (RTIC)	(Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle 2 0 6  pH  [0.1 units]*  //.00 //.59 9.82 6.32 bilected at 3- to	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	() Other/S  n? (Y) N (spe  Hack :  DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Volume of S	vites of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  6.40  6.60  7.00  7.20  In criteria for eaco	Heter Type(s)/S  Total Gallons Removed  16.07  16.07  16.03  1.40  1.40  Here of the control of	Water Level (RTIC) // 0.50	(Colsius) 13%1* 	Peristatic Pur Pump Type: Samples colle 2 0 6  pH  [0.1 units]*  //.00 //.59 9.82 6.32 bilected at 3- to	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]  28  36  47  47	() Other/S  n? (Y) N (spe  Hack :  DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Volume of S	vites of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  6.40  6.60  7.00  7.20  In criteria for eaco	Heter Type(s)/S  Total Gallons Removed  16.07  16.07  16.03  1.40  1.40  Here of the control of	Water Level (RTIC)	(Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle 2 0 6  pH  [0.1 units]*  //.00 //.59 9.82 6.32 bilected at 3- to	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]  28  36  47  47	() Other/S  n? (Y) N (spe  Hack :  DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Volume of S	vites of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  6.40  6.60  7.00  7.20  In criteria for eaco	Heter Type(s)/S  Total Gallons Removed  16.07  16.07  16.03  1.40  1.40  Here of the control of	Water Level (RTIC)  ///////////////////////////////////	(Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle 2 0 6  pH  [0.1 units]*  //.00 //.59 9.82 6.32 bilected at 3- to	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  28)  34  36  44  44  Is) is listed in each	DO (mg/l) [10% or 0.1 mg/l]	Cofy)  2/00/P 7C  ORP  (mV)  10 mV)  10 mV,  10 Q, 7  10 Q, 7  10 Q, 7
Volume of S	vites of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  6.40  6.60  7.00  7.20  In criteria for eaco	For the second s	Water Level (RTIC) //O.50	(Cotsius) [3%]*	Peristatic Pur Pump Type: Samples colle 2 0 6  pH  [0.1 units]*  //.00 //.59 9.82 6.32  objected at 3- to	sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  3 4 3 8 4 3 8 4 7 4 7 4 4 4 4 8) is listed in each	() Other/S  n? (Y) N (spe  Hack :  DO (mg/l) [10% or 0.1 mg/l]	Cofy)  2/00/P 7C  ORP  (mV)  10 mV)  10 mV,  10 Q, 7  10 Q, 7  10 Q, 7
Volume of S	vites of Pumping Vater Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  150  0.40  0.60  1.00  1.20  In criteria for each (S/SAMPLING N  All (L/min.)	Heter Type(s)/S  Total Gallons Removed  10-50 0.20 10-07 10-07 10-03 10-	Water Level (RTIC)  //0.50  //	(Colsius) [3%]*	Peristatic Pur Pump Type: Samples colle 2 0 0 0 pH [0.1 units]*	sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  28  34  36  47  47  47  47  47  47  47  47  47  4	DO (mg/l) [10% or 0.1 mg/l]	Cofy)  2/00/P 7C  ORP  (mV)  10 mV)  10 mV,  10 Q, 7  10 Q, 7  10 Q, 7
Time  740 945 955 1000 1015 1020 1025 The stabilization 951 1000 SAMPLE DEST	water of Pumping Nater Removed id Well Go Dry?  Water Quality Mater Quality Materials for each S/SAMPLING MATERIAL PLACE AND PLACE	Heter Type(s)/S  Total Gallons Removed  10-50 0.20 10-07 10-07 10-03 10-	Water Level (RTIC) //O.50  >>  If (C.3)  If three consections If a C.5 (C.4)	(Cotsius) [3%]* [3%]* [2,6] [0,0] [0	Peristatic Pur Pump Type: Samples colle 2 0 3 4 5 4 5 4 5 4 5 4 5 4 5 6 5 6 6 5 6 6 6 6	sp. Cond. (ms/cm) [3%]	Turbidity (NTU) [10% or 1 NTU]*  28  34  38  49  49  49  40  10%  10%  10%  10%  10%  10%  10%	DO (mg/l) [10% or 0.1 mg/l]	Cofy)  2/00/P 7C  ORP  (mV)  10 mV)  10 mV,  10 Q, 7  10 Q, 7  10 Q, 7
Time   Time	Pump Rate (Umin.)  Pump Rate (Umin.)  /// 0.60  // 0.80  // 0.00	Heter Type(s)/S  Total Gallons Removed  10-50 0.20 10-07 10-07 10-03 10-	Water Level (RTIC)  //0.50  //	(Colsius) [3%]*	Peristatic Pur Pump Type: Samples colle 2 0 3 4 5 4 5 4 5 4 5 4 5 4 5 6 5 6 6 5 6 6 6 6	sp. Cond. (ms/cm) [3%]	Turbidity (NTU) [10% or 1 NTU]*  28  34  36  47  47  47  47  47  47  47  47  47  4	DO (mg/l) [10% or 0.1 mg/l]	Cofy)  2/00/P 7C  ORP  (mV)  10 mV)  10 mV,  10 Q, 7  10 Q, 7  10 Q, 7
Time  740 945 955 1000 1015 1020 1025 The stabilization 951 1000 SAMPLE DEST	water of Pumping Nater Removed id Well Go Dry?  Water Quality Mater Quality Materials for each S/SAMPLING MATERIAL PLACE AND PLACE	Heter Type(s)/S  Total Gallons Removed  10-50 0.20 10-07 10-07 10-03 10-	Water Level (RTIC)  //0.50  //	(Cotsius) [3%]* [3%]* [2,6] [0,0] [0	Peristatic Pur Pump Type: Samples colle 2 0 3 4 5 4 5 4 5 4 5 4 5 4 5 6 5 6 6 5 6 6 6 6	sp. Cond. (ms/cm) [3%]	Turbidity (NTU) [10% or 1 NTU]*  28  34  38  49  49  49  49  49  49  49  49  49  4	DO (mg/l) [10% or 0.1 mg/l]	Cofy)  2/00/P 7C  ORP  (mV)  10 mV)  10 mV,  10 Q, 7  10 Q, 7  10 Q, 7

Well No.	15-29	Site/GMA Name	GMAL Linder ST	
		Sampling Personnel	KCC/RAB	
		Date	4/8/03	
		Weather	Same Drecky and 405	
LL INFORM	ATION - See Page 1			

Time	Pump Rate	Total Gallons	Water	Temp. (Celsius)	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
·····	(Ľmin.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*		[10% or 0.1 mg/i]*	[10 mV]*
1030	150	1.60	16.04	10.01	8.13	C.521	47	5.61	108.0
1035		1.80	16.04	10.01	7.87	0.551	38	5.29	112.3
1040		2.00	1604	10.02	7.81	0.590	28	4.96	111.7
1045		2.20	16,04	10.06	7.65	0.632	25	4.74	118.6
1050		2.40	16.04	10.16	7.58	0675	18	4.46	121.1
1095		2.60	16.04	10.11	7.56	0.700	17	4.18	115.1
1100		2.80	16.04	10.21	7.47	0.721	14	3,99	120.9
405		3-00	16,04	10.19	7.5.1	0.729	12	3,85	116.4
1110		3-20	16,04	10.35	7.46	0.737	12	3.66	120.7
(115		3-40	16.C4	10.29	7,46	0.750	9	3.5/	115.5
120		3-60	160A	10.31	7.47	0.757	8	3.43	114.3
1123		3-80	16.C4	10.32	7.48	0.761	7	3,37	113.4
1126	•	4.00	16.04	10.32	7.46	0762	7	3.31	113,7
	4 -								•
					ψ.	,.			
		<u> </u>							

The stabilization chiefla for each field parameter (stree consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS

Well N	. LS-V	100-48	2_		Site/GMA Nam	- GMAI	166 21	Isheld	
Key N			***************************************		pling Personne		FAR I	134415	
PID 8a	ickground (ppn	1)			Dat	<del></del>	4/8/0	9,	
Weti H	leadspace (ppm	1)			Weathe	* Scary	Breezy	(no 500	ź
WELL INFO	PMATION					1	2 . –	1464	
	ice Point Marked	n 🕝 n			/		Sample Tim Sample (I	7.2	1-42
	of Reference Poi	A !!	Meas. From	m c. Gowa c	:{		Ouplicate II		/ · · · · · · · · · · · · · · · · · · ·
	Well Diamete	- 1		Val	<del>-</del>		MSAMS		
Scre	en Interval Dept	n 9-14	Meas. From	n <u>776 (</u>	Evenund		Split Sample II		· · · · · · · · · · · · · · · · · · ·
٧	Vater Table Dept		Meas. From	n TIC					
	Well Dept		Meas. From	n II	_	Required	Analytica	d Parameters:	Collected
_	of Water Colum	899	Jlon			( <b>X</b> ( )	VOC	s (Std. iist)	(X)
	e of Water in We		****	(	.1	( )		(Exp. list)	(* )
make Depu	n of Pump/Tubin	9	Meas, Fron	n <u>arawi</u>	Q)	( )		VOCs	( )
Reference Po	int Identification:					( )		ls (Total)	( )
	mer (PVC) Casir					( )		(Dissolved)	( )
-	Outer (Protective	•				( )		rganics (Total) anics (Dissolved)	( )
Grade/BGS:	Ground Surface					( )		ide (Dissolved)	( )
						( )		ide (Dissolved)	( )
Redevelop?	Y(N)					( )		Ds/PCDFs	( )
						( )	Pesticide	Merbicides .	( )
						( )	Naturai	Attenuation	( )
C1401147704	INFORMATION					( )	Other	(Specify)	( )
	utes of Pumping Nater Removed	52. 2.25 m	Hons		Peristalbu Pen Pump Type:	/ -	ibmersible Pump(	) Other/Spe	xcify ( )
១	id Well Go Dry? ': Water Quality N	YN	Serial Numbers:	<i>151</i> # .	Samples colle	ched by same me 0392 A	sthod as evacuation	n? (Ÿ) N (speci	(y)
	Water Quality N	Y N Heter Type(s) / S	Serial Numbers:	Temp.	Samples colle	cond by same me $0392A$	ethod as evacuation	DO	ORP
7 June	Water Quality N	Y N N Heter Type(s) / S	Serial Numbers:	Temp. (Celsius)	Samples collect	Sp. Cond.	Turbidity (NTU)	DO (mg/l)	ORP (mV)
	Water Quality M	Y N N N N N N N N N N N N N N N N N N N	Serial Numbers: Water Level	Temp.	Samples collect	cond by same me $0392A$	ethod as evacuation	DO	ORP
	Water Quality N Pump Rate (Limin.)	Y N N Heter Type(s) / S Total Gallons Removed	Serial Numbers: Water Level	Temp. (Celsius)	Samples collect	Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l)	ORP (mV)
	Pump Rate (Limin.)	Y N N Heter Type(s) / S Total Gallons Removed O · 11	Serial Numbers: Water Level	Temp. (Celsius)	Samples collect	Sp. Cond.	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
	Water Quality N Pump Rate (Limin.)	Y N Heter Type(s) / S Total Gallons Removed O-11 O-37 O-63	Water Level (ft TIC) 7.86 7.82	Temp. (Celsius)	Samples collect	\$5. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
	Pump Rate (Llmin.) 200 200	Y N Heter Type(s) / S Total Gallons Removed O-11 O-37 O-63 O-83	Serial Numbers: Water Level	Temp.	Samples collect	\$p. Cond. (mS/cm) [3%]*  1.188  1.190	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
	Pump Rate (L/min.) 200 200 200	Y N Heter Type(s) / S  Total Gallons Removed  0-11  0-37  0-63  0-83  1-03	Water Level (ft TIC) 7.86 7.82	Temp.	Samples collect	\$5. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
	Pump Rate (L/min.) 200 200 150 150 150	Y N 1  **Total Gallons Removed **O-11**  O-63** O-83** I-23**	Water Level (ft TIC) 7.86 7.82	Temp.	Samples collect	\$p. Cond. (mS/cm) [3%]*  1.188  1.190	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
	Pump Rate (L/min.) 200 200 200 150 150	Y N N N N N N N N N N N N N N N N N N N	Water Level (ft TIC) 7.86 7.82	Temp.	Samples collect	\$p. Cond. (mS/cm) [3%]*  1.188  1.190	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1320 1325 1335 1335 1340 1345 1350	Pump Rate (LImin.) 200 200 200 V50 V50 V50 V50	Y N Heter Type(s)/S  Total Gallons Removed  0.11  0.37  0.63  0.83  1.03  1.23  1.43	Water Level (ft TIG) 7.85 7.84 7.85 7.85 7.85 7.85	Temp. (Celsius) [3%]*  12.59 12.51 12.46 12.56 12.56 12.49	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85	.sp. Cond. (mS/cm) [3%]* 	Turbidity (NTU) [10% or 1 NTU]*    13   11   13   11   13   11   13	DO (mg/l) [10% or 0.1 mg/l]* - 4.32 2.26 1.60 1.33 1.14 1.04 0.96	ORP (mV) [10 mV]*
Time 1320 1325 1335 1340 1345 1350 1355	Pump Rate (L/min.) 200 200 150 150 150 150 150 150 150 150 150	Y N   N   Heter Type(s) / S   Total   Gallons   Removed   O - 11   O - 3   7   O - 6   3   I - 0   3   I - 2   3   I - 6   3   3   I - 6   3   3   I - 6   3   3   I - 6   3   3   3   3   3   3   3   3   3	Water Level (ft TIC) 7.85 7.84 7.85 7.85 7.85 9.85	Temp. (Celsius) [3%]*	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85		Turbidity (NTU) [10% or 1 NTU]    3	DO (mg/l) [10% or 0.1 mg/l]*  4,32 2,26 1,60 1,33 1,14 1.04 0,96 column heading.	ORP (mV) [10 mV]* 
Time 1320 1325 1335 1340 1345 1350 1355 *The stabilization	Pump Rate (L/min.) 200 200. 150 150 150 150 150 150 150 150 150 150	teter Type(s)/S  Total Gallons Removed  O-11  O-37  O-63  I-23  I-23  I-43  th field parameter  ETHOD DEVIA	Water Level (ft TIC) 7.86 7.84 7.85 7.85	Temp. (Celsius) [3%]*  12.59 12.51 12.46 12.56 12.56 12.49	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85		Turbidity (NTU) [10% or 1 NTU]  #3-5/4  #3-5/4	DO (mg/l) [10% or 0.1 mg/l]* - 4.32 2.26 1.60 1.33 1.14 1.04 0.96	ORP (mV) [10 mV]* 
Time 1320 1325 1335 1340 1345 1350 1355	Pump Rate (L/min.) 200 200 150 150 150 150 150 150 150 150 150	teter Type(s)/S  Total Gallons Removed  O-11  O-37  O-63  I-23  I-23  I-43  th field parameter  ETHOD DEVIA	Water Level (ft TIC) 7.85 7.84 7.85 7.85 7.85 9.85	Temp. (Celsius) [3%]*	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85		Turbidity (NTU) [10% or 1 NTU]    3	DO (mg/l) [10% or 0.1 mg/l]*  4,32 2,26 1,60 1,33 1,14 1.04 0,96 column heading.	ORP (mV) [10 mV]* 
Time 1320 1325 1335 1340 1345 1350 1355 *The stabilization	Pump Rate (L/min.) 200 200. 150 150 150 150 150 150 150 150 150 150	teter Type(s)/S  Total Gallons Removed  O-11  O-37  O-63  I-23  I-23  I-43  th field parameter  ETHOD DEVIA	Water Level (ft TIC) 7.86 7.84 7.85 7.85	Temp. (Celsius) [3%]*	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85		Turbidity (NTU) [10% or 1 NTU]  #3-5/4  #4  #5  #6 is ligited in each	DO (mg/l) [10% or 0.1 mg/l]*  4,32 2,26 1,60 1,33 1,14 1.04 0,96 column heading.	ORP (mV) [10 mV]* 
Time 1320 1325 1335 1340 1345 1350 1355 *The stabilization	Pump Rate (L/min.) 200 200. 150 150 150 150 150 150 150 150 150 150	teter Type(s)/S  Total Gallons Removed  O-11  O-37  O-63  I-23  I-23  I-43  th field parameter  ETHOD DEVIA	Water Level (ft TIC) 7.86 7.84 7.85 7.85	Temp. (Celsius) [3%]*	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85	.sp. Cond. (mS/cm) [3%]**  1.188  1.188  1.190  1.186  1.187  1.190  1.190  1.187	Turbidity (NTU) [10% or 1 NTU]  #3-5/4  #4  #5  #6 is ligited in each	DO (mg/l) [10% or 0.1 mg/l]*  4,32 2,26 1,60 1,33 1,14 1.04 0,96 column heading.	ORP (mV) [10 mV]* 
Time  1320 1325 1330 1335 1340 1350 1355 *The stabilization OBSERVATION OLGOT EASURCE	Pump Rate (Limin.) 200 200 150 150 150 150 150 150 150 150 150 1	teter Type(s)/S  Total Gallons Removed  O-11  O-37  O-63  I-23  I-23  I-43  th field parameter  ETHOD DEVIA	Water Level (ft TIC) 7.86 7.84 7.85 7.85	Temp. (Celsius) [3%]*	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85	.sp. Cond. (mS/cm) [3%]**  1.188  1.188  1.190  1.186  1.187  1.190  1.190  1.187	Turbidity (NTU) [10% or 1 NTU]  #3-5/4  #4  #5  #6 is ligited in each	DO (mg/l) [10% or 0.1 mg/l]*  4,32 2,26 1,60 1,33 1,14 1.04 0,96 column heading.	ORP (mV) [10 mV]* 
Time  1320 1325 1330 1335 1340 1350 1355 *The stabilization 0357 COBSERVATION 0367 EASUAGE	Pump Rate (Limin.)  200  200  150  150  150  150  150  ISSAMPLING N  GELLOS	teter Type(s)/S  Total Gallons Removed  O-11  O-37  O-63  I-23  I-23  I-43  th field parameter  ETHOD DEVIA	Water Level (ft TIC) 7.86 7.84 7.85 7.85	Temp. (Celsius) [3%]*	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85	.sp. Cond. (mS/cm) [3%]**  1.188  1.188  1.190  1.186  1.187  1.190  1.190  1.187	Turbidity (NTU) [10% or 1 NTU]  #3-5/4  #4  #5  #6 is ligited in each	DO (mg/l) [10% or 0.1 mg/l]*  4,32 2,26 1,60 1,33 1,14 1.04 0,96 column heading.	ORP (mV) [10 mV]* 
Time  1320 1325 1336 1335 1346 1350 1355 *The stabilization 035FRVATION 0407 205CASSERVATION	Pump Rate (Limin.) 200 200 150 150 150 150 150 150 150 150 150 1	teter Type(s)/S  Total Gallons Removed  O-11  O-37  O-63  I-23  I-23  I-43  th field parameter  ETHOD DEVIA	Water Level (ft TIC) 7.86 7.84 7.85 7.85	Temp. (Celsius) [3%]*	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85	.sp. Cond. (mS/cm) [3%]**  1.188  1.188  1.190  1.186  1.187  1.190  1.190  1.187	Turbidity (NTU) [10% or 1 NTU]*    3	DO (mg/l) [10% or 0.1 mg/l]*  4,32 2,26 1,60 1,33 1,14 1.04 0,96 column heading.	ORP (mV) [10 mV]* 
Time  1320 1325 1330 1335 1340 1350 1355 *The stabilization 0357 COBSERVATION 0367 EASUAGE	Pump Rate (Limin.)  200  200  150  150  150  150  150  ISSAMPLING N  GELLOS	teter Type(s)/S  Total Gallons Removed  O-11  O-37  O-63  I-23  I-23  I-43  th field parameter  ETHOD DEVIA	Water Level (ft TIC) 7.86 7.84 7.85 7.85	Temp. (Colsius) [3%]*  12.59 12.51 12.46 12.56 12.56 12.56 12.60 15.49 suffer readings of Hockard Shaded	pH [0.1 units]*  6.94 6.82 6.82 6.81 6.80 6.85	.\$p. Cond. (mS/cm) [3%p	Turbidity (NTU) [10% or 1 NTU]*    3	DO (mg/l) [10% or 0.1 mg/l]*  4,32 2,26 1,60 1,33 1,14 1.04 0,96 column heading.	ORP (mV) [10 mV]* 

C:WORINGEGroundwelerlöss 199AllachmentD-

Well No. LS-MW-4R	Site/GMA Name	GHAL /GF Pittsfield
	Sampling Personnel	KLC/RAB
	Date	4/8/08
	Weather	Sunni Breeze Mid 505

Time /358	Pump Rate (Ùmin.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) (3%)*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/i]*	ORP (mV) [10 mV]*
1400-	1,50	1-75	7.85	12.45	6.88	1.191	60	0.87	-67.9
1401	150	1.87	7.85	12.48	6.87	1.190	5	0.84	-64.1
1404	150	1.99	7.85	12.52	6.87	1.188	5	0.82	-60.1
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		Sample	( @ 14	104 -		ļ			
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	1 The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
Alla.	OBSERVATIONS/SAMPLING METHOD DEVIATIONS
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Key N PID B	lo. <u>L 3 S C</u> lo. <u>W A</u> nckground (pp <del>loadspace</del> (pp	m) <u>Ø</u>		Ser	npling Personne Dat	H BAR!	8 8	- GMA-1	
l <del>lei</del> ght e	nce Point Marke of Reference Po Well Diame	oint <u>-0.30</u>	/ Meas. Fro	m <u>Groun</u>			Sample Tim		983 ·
٧	oen Interval De Vater Table Der Well Der of Water Colum	oth <u>/0.57</u> oth <u>/4.17</u>	Meas. Fro	m <u>Groun</u> m <u>Tic</u> m <u>Tic</u>	<u>L</u>	Required	Spilt Sample I	al Parameters;	Callected
Volum intake Dept	e of Water in W h of Pump/Tubi	el <u>0.59</u> , ng <u>/2.4</u>		m <u>71c</u>	<del></del>	( )	' voc	S (Std. list) 8 (Exp. list) SVOCs Bs (Total)	( )
TIC: Top of It	ent Identification oner (PVC) Cas Outer (Protectiv Ground Surface	ing re) Casing				( × ) ( ) ( ) ( ) ( )	PCBs Metals/Ini Metals/Inorg EPA Cyar PAC Cyar PCDI Pesticki	(Dissolved) organics (Total) anics (Dissolved) oide (Dissolved) oide (Dissolved) Ds/PCDFs os/Herbicides	( ) ( ) ( ) ( )
f F Minu Valume of V	id Well Go Dry?	13:30 15:00 90 2.490	Serial Numbers:	<u> Ys1-53</u>	6 MPs	Mersc ted by same me	Bladder i ibmersible Pump ( L. 1 k - 5 y s ethod as evacuatio	tem one	
Time	Pump Rate	Total Gallons	Water Level	Temp. (Celsius)	<i>D /†C + 7</i>	Sp. Cond. (mS/cm)	Turbidity (NTU)	90 (mg/l)	ORP (mV)
13:40	(Umin.)	O-26	(NTC)	[3%]•	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 nig/i]*	[10 mV]*
13:45	100m1	0.40	10.77	12.30	6.77	0.652	12	6.50	139.5
13:50	100ml.	0.53	10.78	11.78	6.84	0.666	6	5.90	
13:55	100ml	0.66	1	11.56	1	0.678	7	· · · · · · · · · · · · · · · · · · ·	166.6
	100ml	0.79	10.77	11.57		0.692	5	6.08	177.8
	100ml	1		11. 76		~~~~~~~~~~~		5.94	185.0
11110			··	11.77	f		4	5.79	187.1
	100ml	1.06			1 2 2	0.716	4	5.92	188.8
	100ml		10.76	11.91	6.85	0.727	3	5.66	189.1
In the	Player Player	METHOD DEVIA ! Light. Clear, o	itions 6 rown.	anlowles		-minute interval	s) is listed in each	column heading.	
Laboratory: _ Delivered Via: Airbill #:	UPS			ÿ	iski Sampling C	Coordinator:	Ly 9	ar	de de la companya de

C:WORKSEGroundwiser684186Allechaper4D-2

Weil No.	233C-083	ha/CIIIA Nama	GE Pitts fill - GMA-1
		WGMA NAME	OF TOTAL STATE
	Sampl	ing Personnel	GAR/PF
		Date	4/8/88
		Weather	Junny, 550F

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Calsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	(mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
14:28	100ml	1.32	10.77	11.77	6.84	0.740	7.	5.57	190.4
14:25	100ml	1.45	10.75	11.69	6.84	0.749	4	5-58	188.9
14:30	100m1	1.59	10.74	11.63	6.84	0.759	2	5-62	187.6
14:35	100ml	1.72	10.73	11.64	6.82	0.765	1	5.55	185.3
14:40	100ml	1.85	10.74	11.68	6.82	0.770	1	5.53	182-8
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* The stabilization criteria for each field assessed a 45	
The stabilization citiens for each field parameter (three consecutive in	eadings collected at 3- to 5-minute intervals) is listed in each column heading.
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OBSERVATIONS/SAMPLING METHOD DEVIATIONS	
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Well H  LL INFOF  Referen  Height o  Scre  W  Length  Volume	eckground (ppm) eadspace (ppm)			mpling Personn Da Weath	4/8/0	b/ <b>kl</b> ! 58 - Øs Su	and	
Well H ELL INFOR Referen Height o Scre W Length Volume	RMATION ce Point Merked?  If Reference Point Well Diameter					-25V		<del></del>
Referen Height o Scre W Length Volume	ce Point Marked? (Y)  f Reference Point (Well Diameter)		<del></del>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<del>-</del>	<u> </u>		
Height o Scre W Length Volume	ce Point Marked? (Y)  f Reference Point (Well Diameter)							
Height o Scre W Length Volume	f Reference Point					Sample Yin	ne 162	<u>\$</u> >
Scre W Length Volume	Well Diameter	N	. ")			Sample		165
Length Volume	• •	Meas. Fro	m <u>BG</u> S	<u>.</u>		Duplicate i		
Length Volume	en Interval Depth <u>5-/5</u>	<del></del>				MS/MS	···	
Length Volume		Meas. Fro	m TC			Split Sample I	D ~~ C	
Volume	Aster Table Depth 7,86	Meas. Fro						
Volume	Well Depth 13.53	Meas. Fro	m		Required	Analytic	al Parameters:	Callected
	of Water Column 5.75				( )	VOC	Cs (Std. list)	( )
	of Water in Well 0.9 Y g		7.1		( 1/3	, , , voc	s (Exp. list)	(大)
make Dopa	OLL OLUMNAL GONNAG - 1 ST	Meas, Pro	m	<del></del>	( )	;	SVOCs	( )
aference Pol	nt Identification:				( )	PC	Bs (Total)	( )
	ner (PVC) Casing				( )		(Dissolved)	( )
	Outer (Protective) Casing				( )		organics (Total)	( )
	Fround Surface				( )		anics (Dissolved)	( )
	· · ·				( )		nide (Dissolved)	( )
develop?	(Y ) N				( )		nide (Dissolved) Ds/PCDFs	( )
					1 1 ( )		os/Pours es/Herbicides	( )
					, , ,		esimenucides l'Attenuation	( )
						(40000100		
Pi Pi Minu Olume of W	INFORMATION  JUMP Start Time // 30  Jump Stop Time // 10 40  tes of Pumping // 25 q  Id Well Go Dry? Y N		<b>A</b>	Peristattic Pun Pump Type:	أكلانططت	( ) Bladder (	r(Specify)  Pump (X)  ( ) OfficedSp  Mars chall	
₽i Pi Minu /olume of W Dk	ump Start Time 1530 ump Stop Time 11040 tes of Pumping 600 (ater Removed 4755	allon,	KT (	Peristatic Pun Pump Type: Samples colle	ethod: Ba <del>ilo</del> r np ( ) S <u>1016446</u>	() Bladder ( ubmersible Pump ( × 12(12/15)	Pump (X) ( ) Omedsp	⇒aty ( ) -System (
Pi Minu Minu Diume of W	ump Start Time 1/3() ump Stop Time 1/6 4/6 tes of Pumping 4/75 di Well Go Dry? Y N  Water Quality Mater Type(s)	allon,	1556 -A	Peristatic Pun Pump Type: Samples colle	ethod: Ba <del>ilo</del> r np ( ) S <u>1016446</u>	() Bladder ( ubmersible Pump ( × 12(12/15)	Pump (X) ( ) Omedsp	
Pi Minu Minure of W Did	ump Start Time 1/3() ump Stop Time 1/6 4/6 tes of Pumping 4/75 dit Well Go Dry? Y N  Water Quality Mater Type(s)  Pump Total Rate Gallons	/ Serial Numbers:  Water Level	Temp. (Celsius)	Peristatic Pun Pump Type: Samples colle	ethod: Bailer np ( ) S Lot d d d cted by same in	( ) Bladder ubmersible Pump ethod as evacuatio	r (Specify)  Pump (X)  ( ) Other/Sp  Marschill  in? (S) N (spec	∞aty ( ) <u>~5y5fer (</u> ify)
Pi Minu Minure of W Did	ump Start Time 1/3 () ump Stop Time 1 Lo 4 () tes of Pumping 4/7 5/q If Well Go Dry? Y (N)  Water Quality Mater Type(s)  Pump Total Rate (L/min.) Removed	/ Serial Numbers:  Water Level (ft TIC)	l'emp.	Peristatic Pun Pump Type: Samples colle	ethod: Bailer np ( ) S LOLA des cted by same m A C Sp. Cond.	( ) Bladder ubmersible Pump ethod as evacuatio	Pump (X) (1) Other/sp Marschill (1) N (spec	-System ( -Syste
Pi Minu Olume of W	ump Start Time   530   ump Stop Time   10 46   tes of Pumping   60   fater Removed   4.75   d Well Go Dry?   Y   N  Water Quality Mater Type(s)  Pump   Total   Rate   Gallons   (L/min.)   Removed   300   0.40	/ Serial Numbers:  Water Level	Temp. (Celsius)	Peristatic Pun Pump Type: Samples coile	ethod: Bailer np ( ) S Dictides cted by same m A Sp. Cond. (mS/cm)	( ) Bladder ubmersible Pump ethod as evacuation Turbidity (NTU)	Pump (X) (1) Other/Sp Marschill (m) N (spec	-5ystem (  -5ystem (  10017 Tu  ORP (mV)
₽i Pi Minu Volume of W Did	ump Start Time 1/3 () ump Stop Time 1 Lo 4 () tes of Pumping 4/7 5/q If Well Go Dry? Y (N)  Water Quality Mater Type(s)  Pump Total Rate (L/min.) Removed	/ Serial Numbers:  Water Level (ft TIC)	Temp. (Celsius)	Peristatic Pun Pump Type: Samples coile	ethod: Bailer np ( ) S  Lot Lot Lot cted by same m  A ( )  Sp. Cond. (mS/cm) (3%)*	( ) Bladder ubmersible Pump value ( ) value (	Pump (X) (1) Other/Sp Mars chill (m) N (spec  Hach 2  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
P. Minu /ohume of W. Dis	ump Start Time   530   ump Stop Time   10 46   tes of Pumping   60   fater Removed   4.75   d Well Go Dry?   Y   N  Water Quality Mater Type(s)  Pump   Total   Rate   Gallons   (L/min.)   Removed   300   0.40	/ Serial Numbers:  Water Level (ft TIC)	Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  C P J pH  [0.1 units]*	ethod: Bailer np ( ) S Dictides cted by same m A Sp. Cond. (mS/cm)	( ) Bladder ubmersible Pump which as evacuation the street of the street	Pump (X) (1) Other/Sp Marschill (m) N (spec	ORP (10 mV)*
P Minu Johume of W Dia Time	ump Start Time   530   ump Stort Time   10 40   tes of Pumping   4.75   diver Rerrioved   4.75   di Well Go Dry?   Y   N   Water Quality Meter Type(s)  Pump   Total   Rate   Gallons   (L/min.)   Removed   300   0.40   0.79   1.03	/ Serial Numbers:  Water Level (ft TIC)  7.87  7.85	Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  C P J pH  [0.1 units]*	ethod: Bailer np ( ) S  Lot Lot Lot cted by same m  A ( )  Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) (10% or 1 NTU)	Pump (X) (1) Other/Sp Mars chill (m) N (spec  Hach 2  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
PP Minu /ohume of W Dic	ump Start Time 1530 ump Stop Time 1640 tes of Pumping 475q I Well Go Dry? Y N  Water Quality Meter Type(s)  Pump Total Rate Gallons (Umin.) Removed  300 0.40	/ Serial Numbers:  Water Level (ft TIC)  7.87  7.85  7.85	Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  C P J pH  [0.1 units]*	ethod: Bailer np ( ) S  Lot Lot Lot cted by same m  A ( )  Sp. Cond. (mS/cm) (3%)*	( ) Bladder ubmersible Pump variethod as evacuation of the control	Pump (X) (1) Other/Sp Mars chill (m) N (spec  Hach 2  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Please Minus Volume of Work Dis Time  35 540 545 50	ump Start Time   1/3 () ump Stop Time   1/6 4/6 tes of Pumping   4/7 5/q it Well Go Dry? Y N  Water Quality Mater Type(s)  Pump Total Rate Gellons (Umin.) Removed 300 0.40 0.79 1.03 1.19	/Serial Numbers:  Water Level (ft TIC)  7.87  7.87  7.85  7.85  7.82  7.82	Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  C P J pH  [0.1 units]*	ethod: Bailer np ( ) S  Lot Lot Lot cted by same m  A ( )  Sp. Cond. (mS/cm) (3%)*	() Bladder ubmersible Pump ethod as evacuation to the control of t	Pump (X) (1) Other/Sp Mars chill (m) N (spec  Hach 2  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Pi Pi Minu Volume of W	ump Start Time 1530 ump Stop Time 1640 tes of Pumping 47.75 diver Removed 47.75 Water Quality Mater Type(s)  Pump Total Rate Gallons (Umin.) Removed 300 0.40 0.79 1.03 1.19 1.59	/Serial Numbers:    Water   Level   (ft TIC)   7.87   7.85   7.85   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.82   7.86   7.82	Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  C P J pH  [0.1 units]*	ethod: Bailer np ( ) S  Lot Lot Lot cted by same m  A ( )  Sp. Cond. (mS/cm) (3%)*	() Bladder ubmersible Pump which we prompeted as evacuation of the property of	Pump (X) (1) Other/Sp Mars chill (m) N (spec  Hach 2  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
P. Minu Volume of W. Dis	ump Start Time   1/3 () ump Stop Time   1/6 4/6 tes of Pumping   4/7 5/q it Well Go Dry? Y N  Water Quality Mater Type(s)  Pump Total Rate Gellons (Umin.) Removed 300 0.40 0.79 1.03 1.19	/Serial Numbers:  Water Level (ft TIC)  7.87  7.87  7.85  7.85  7.82  7.82	Temp. (Celsius) [3%]*	Peristatic Pun Pump Type: Samples colle  C P J pH  [0.1 units]*	ethod: Bailer np ( ) S  Lot Lot Lot cted by same m  A ( )  Sp. Cond. (mS/cm) (3%)*	() Bladder ubmersible Pump ethod as evacuation to the control of t	Pump (X) (1) Other/Sp Mars chill (m) N (spec  Hach 2  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*

C::MYORKIGE@roundwater654199Attackreen(C-2

2000	
<b>1</b>	

Well No.	155C-165	
Well No.	<u> </u>	

Site/GMA Name
Sampling Personnel

GG PHISTIE 10 /Com

Date

40'S SULLY

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1605	300	2.77	7.82	10,77	1.48	101.6	13	2.00	1046
						1.324	<i>(</i> 2)		100,00
1610		3.17	7.82	10,71	7.01	1.302	11	1.84	93.3
1615		3.57		10,72	(F) (7,0)	1,293	8	1.76	89.5
1620	$\perp$	3.96	7.82	10.40	6.97	·	7-	1.74	87,0
1623		4.20		10.72		1,298	8	1,72	85,7
1628				impl		1628		1172	$O_{0,T}$
			/	· · · · · · · ·		762 2 3			
***************************************									
								<i>t</i>	
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* The stabilization criteria for each field parameter (three conser	cutive readings collected a	at 3- to 5-minute intervals) is listed in each	h column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS		,	, and the same of
40 1615 Hu of war 7.1	W VVC		

Well N	10. L 3 3				Site/GMA Nam	• (3 E. P	itts fill ,	/ 6 MA-1	
	lo. NA			Sam	pling Personne		PF	<u> </u>	
PID Br	ackground (ppi	n) O			Dat	77 / 67	าหิ	<del></del>	
Well H	leadspace (ppr	n) <u>(</u>			Weathe		4,45° F		
MELL INFO	RMATION	_				,		11:05	
Referen	nce Point Marke	d? (Y) N	, '			F	Sample II	133C-	18
Height o	of R <del>efe</del> rence Po	int + 1.95	Meas. From	m Groum	<u>J</u>		Ouplicate II	, =====================================	
	Well Diame	terZ/′			<del></del>		MS/MS	,	
Scre	een interval Dep	nth 9'-19'	Meas. From	m <u>Grous</u>	1		Split Sample ID	)	
٧	Water Table Dep	th 16.50		m					· · · · · · · · · · · · · · · · · · ·
	Well Dep	th 22.02		m <u>7/</u> L	_	Required	Analytica	d Parameters:	Callected
-	n of Water Colun					( )	VOC	s (Strd. list)	( }
		ol 0.90 qu	<del></del>			( )	VOC	(Exp. list)	( )
itake Depti	th of Pump/Tubir	ng <u>/9.3</u>	Meas. From	n T/L		( )	s	VOCs	( )
						( )	PCB	is (Total)	( )
	oint Identification					$(\mathcal{X}_{-})$	PCBs	(Dissolved)	( <b>)</b>
•	nner (PVC) Cas	-				( )	Metals/inc	rganics (Total)	( )
•	Outer (Protectiv					( )	_	anics (Dissolved)	( )
iae/BGS: (	Ground Surface	ı				( )		ide (Dissolved)	( )
develop?	v 🔎					( )	•	ide (Dissolved)	( )
.uverup f	Y(N)					( )		Ds/PCDFs	( )
						( )		s/Herbicides	( )
						( )		Attenuation	( :
ACUATION	N INFORMATIO	N				( )	Omer	(Specify)	( )
Min	utes of Pumping	. / 1				ethod: Ba≆er(		ump 📈	
Valume of \	Water Removed Did Well Go Dry	1.69x110	 Serial Numbers:		536-MP.	Marjo	thmersible Pump (halk - Sys thalk - Sys thod as evacuation thank 2/00	tem one	**
Valume of \	Water Removed Did Well Go Dry	1.690,110 Y	 Serial Numbers:	/ 5 / ~ 3 3MD Z 3 0   Temp.	Pump Type: Samples colle	Marjo	halk - Sys ethod as evacuation	tem Onz n? (D) N (spec	ıfy)
olume of \	Water Removed Did Well Go Dry's Water Quality Pump Rate	Meter Type(s) / S  Total Gallons	Serial Numbers:	3MDZ30 Temp. (Celsius)	Pump Type: Samples coller  S 6 M P  AC # 5	Mars cotted by same me S Sp. Cond. (mS/cm)	bulk - Sys behod as evacuation fach 2/00 Turbidity (NTU)	P Turbis	orp (mv)
/olume of \ D	Water Removed Did Well Go Dry's Water Quality Pump Rate (Limin.)	Meter Type(s) / S  Total Gallons Removed	Water Level (ft TIC)	3M0Z30 Temp.	Pump Type: Samples collection STATE M.P.	Mary coted by same me	bulk - Sys bithod as evacuation double 2/00 Turbidity	tem Opi n? D N (speci P Turb/s	dim uter
Time	Water Removed Did Well Go Dry's Water Quality Pump Rate	Meter Type(s) / S  Total Gallone Removed	Water Level (ft TIC)	Temp. (Celsius) (3%)*	Pump Type: Samples collect  S 6 -M P  AC # 5  pH  [0.1 units]*	Mars cocted by same me  Sp. Cond.  (mS/cm)  [3%]*	bulk - Sys behod as evacuation fach 2/00 Turbidity (NTU)	DO (mg/l)	ORP (mV) [10 mV]
Time  : 2.5	Water Removed Did Well Go Dry's Water Quality Pump Rate (Limin.)	Meter Type(s) / S  Total Gallons Removed  D-26	Water Level (ft TIC) /6.5/	3M0230 Temp. (Celsius) [3%]*	Pump Type: Samples coller  S To M P  A C # 5  pH  [0.1 units]  7. 2 2	Marsc, cted by same mess. Sp. Cond. (mS/cm) [3%]*	bulk - Sys behod as evacuation fach 2/00 Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time : 2.5	Water Removed Did Well Go Dry's Water Quality Pump Rate (Limin.)	Meter Type(s) / S  Total Gallons Removed  0-26  0.53	Water Level (ft TIC)  16.51  16.51	3MOZ30 Temp. (Celsius) (3%)* 10. 70 10. ZZ	Pump Type: Samples coller  SG M P  AC # S  pH  [0.1 units]*  7.22	Marsc, cted by same me s // Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time : 25 . 40 . 145	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (L/min.)  /OOm 1  /OOm 1  /OOm 1	1.6 ga   10   Y   N   N   N   N   N   N   N   N   N	Water Level (ft TIC)  16.51  16.51  16.51	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03	Pump Type: Samples colled  S To M P  D AC M S  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3	Marsc, cted by same me s / / / / / / / / / / / / / / / / / /	bulk - Sys behod as evacuation fach 2/00 Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]  5-62 5-98 6.22	ORP (mV) (10 mV)* 134.7 137.7 138.8
Time : 25 : 35 : 40 : 45 : 50	Water Removed Did Well Go Dry's Water Quality Pump Rate (Umin.)  100 m 1  100 m 1  100 m 1	7.6 9.10 Y (6) Y (7) Meter Type(s) / S Total Gallons Removed 0-76 0.53 0.66 0-79 0.92	Water Level (ft TIC) 16.51 16.51 16.51 16.51	3MOZ30 Temp. (Celaius) (3%)* 10. 70 10. ZZ 10. 03 10. 00	Pump Type: Samples coller  SG M P  AC # S  pH  [0.1 units]*  7.22	Marsc, cted by same med 5 / / / / / / / / / / / / / / / / / /	Turbidity (NTU)	Turb/s  DO (mg/l)  [10% or 0.1 mg/l]*  5-62  5-98  6.22  6.32	ORP (mV) [10 mV]*
Time : 25 : 35 : 40 : 45 : 50	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (L/min.)  /OOm 1  /OOm 1  /OOm 1	1.6 ga   10   Y   N   N   N   N   N   N   N   N   N	Water Level (ft TIC)  16.51  16.51  16.51	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03	Pump Type: Samples colled  S To M P  D AC M S  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3	Marsc, cted by same me s / / / / / / / / / / / / / / / / / /	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]  5-62 5-98 6.22	ORP (mV) [10 mV]*  134.7  137.7  138.8  139.5
Time :25 :35 :40 :45	Water Removed Did Well Go Dry's Water Quality Pump Rate (Umin.)  100 m 1  100 m 1  100 m 1	7.6 9.10 Y (6) Y (7) Meter Type(s) / S Total Gallons Removed 0-76 0.53 0.66 0-79 0.92	Water Level (ft TIC) 16.51 16.51 16.51 16.51	3MOZ30 Temp. (Celaius) (3%)* 10. 70 10. ZZ 10. 03 10. 00	Pump Type: Samples collect  \$36 - M	Marsc, cted by same med 5 / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	Turb/s  DO (mg/l)  [10% or 0.1 mg/l]*  5-62  5-98  6.22  6.32	ORP (mV) (10 mV)* 134.7 137.7 138.8
Time -: 25 -: 35 -: 40 -: 25 -: 50 -: 55	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (Umin.)  /OOm!  /OOm!  /OOm!  /OOm!  /OOm!	7.6 9.10 Y (R)  Meter Type(s) / 5  Total Gallons Removed  0-76  0.53  0.66  0-79  0.92  1.06  1.19	Water Level (ft TIC) 16.51 16.51 16.51 16.51 16.51 16.51	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	Turbidity (NTU) [10% or 1 NTU]*	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7  137.7  138.8  139.5
Time  -:25 -:40 -:45 -:50 -:50 -:50 -:500 -:555 -:500 -:555 -:500 -:555 -:500 -:555	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (L/min.)  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]	Meter Type(s) / 5  Total Gallons Removed  0-26  0.53  0.66  0-79  0.92  /-/9  ch field paramet	Water Level (ft TIC)  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 06 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7  137.7  138.8  139.5
Time  -:25 -:40 -:45 -:50 -:50 -:50 -:500 -:555 -:500 -:555 -:500 -:555 -:500 -:555	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (L/min.)  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]	Meter Type(s) / 5  Total Gallons Removed  0-26  0.53  0.66  0-79  0.92  /-/9  ch field paramet	Water Level (ft TIC)  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 06 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7  137.7  138.8  139.5
Time  Time  1.35  1.40  1.45  1.50  1.55  1.50	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (L/min.)  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]	Meter Type(s) / 5  Total Gallons Removed  0-26  0.53  0.66  0-79  0.92  /-/9  ch field paramet	Water Level (ft TIC)  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 06 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7  137.7  138.8  139.5
Time  Time  2:25  2:40  2:45  2:50  2:55  2:00  a stabilization	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (L/min.)  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]	1.6 9 4 10   10   10   10   10   10   10   10	Water Level (ft TIC)  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 06 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7  137.7  138.8  139.5
Time  Time  2:25  2:40  2:45  2:50  2:50  2:50  2:500  a stabilization	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (L/min.)  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]  /OOm ]	Meter Type(s) / 5  Total Gallons Removed  0-26  0.53  0.66  0-79  0.92  /-/9  ch field paramet	Water Level (ft TIC)  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 06 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7  137.7  138.8  139.5
Time  -:25 -:40 -:45 -:50 -:50 -:50 -:500 -:555 -:500 -:555 -:500 -:555 -:500 -:555	Water Removed Did Well Go Dry (1)  Water Quality  Pump Rate (Umin.)  /OOm!  /OO	Meter Type(s) / 5  Total Gallons Removed  0-26  0.53  0.66  0-79  0.92  /-/9  ch field paramet	Water Level (ft TIC)  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 06 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7 137.7 138.8 139.5
Time  1:25 1:35 1:40 0:45 0:50 0:55 0:55 0:55 0:55 0:55 0	Water Removed Did Well Go Dry 1  Water Quality  Pump Rate (Umin.)  /OOm!  /OOM!	Meter Type(s) / 5  Total Gallons Removed  0-26  0.53  0.66  0-79  0.92  /-/9  ch field paramet	Water Level (ft TIC)  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 06 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7 137.7 138.8 139.5
Time  1:25 1:35 1:40 1:45 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:55 1:50 1:50	Water Removed Did Well Go Dry 1  Water Quality  Pump Rate (Umin.)  /OOm!  /OOM!	Meter Type(s) / 5  Total Gallons Removed  0-26  0.53  0.66  0-79  0.92  /-/9  ch field paramet	Water Level (ft TIC)  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/  /6.5/	3MOZ30 Temp. (Celaius) [3%]* 10. 70 10. 72 10. 03 10. 00 10. 06 10. 19	Pump Type: Samples coller  5 3 6 - M P  D AC # 5  pH  [0.1 units]*  7 - 2 2  7 - 16  7 - 2 3  7 - 2 4  7 - 2 6	Marsc, cted by same mess / / / / / / / / / / / / / / / / / /	thod as evacuation as evacuati	fem Opi. 17 D N (specing) 10 N (specing) 10% or 0.1 mg/l - 5-62 5-98 6.22 6.32 5-88 5-98	ORP (mV) [10 mV]*  134.7 137.7 138.8 139.5
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C:WORKGEGroundwater654199Altactuser(D.

Key No. 253 PID Background (pp Well Headspace (pp Well INFORMATION Reference Point Mark. Height of Reference Point Screen Interval De Well Diams Screen Interval De Length of Water Colu Votume of Water in W Intake Depth of Pump/Tub Reference Point Identificatio TC: Top of Inner (PVC) Cal TC: Top of Outer (Protecti Frade/BGS: Ground Surfac Redevelop? Y N VACUATION INFORMATIC Pump Stop Tim Minutes of Pumpin	ked? $\mathcal{O}$ North	Meas. Fro	om Ground om Ground om Tic om Tic	Dat Weathe	Required $(X)$	Sample Tin Sample I Duplicate I MS/MS Split Sample I Analytic VOO	12:30 6MA/- 0 6MA/-	
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NELL INFORMATION  Reference Point Mark.  Height of Reference Powell Diams  Screen Interval De  Water Table De  Well De  Length of Water Columns  Votume of Water Columns  Intake Depth of Pump/Tub  Inta	ked? $\bigcirc$ N Point $\bigcirc$ 3 ( neter $\bigcirc$ 2 / 1 epth $\bigcirc$ 7 / 2 ( epth $\bigcirc$ 6 / 4 ( Well $\bigcirc$ 9 Z q bing $\bigcirc$ 1 4 $\bigcirc$ 0	Meas. Fro	om Grown om TIC om TIC	,	Required ( **X **) (	Sample Tin Sample I Duplicate I MS/MS Split Sample I Analytic VOO	D Parameters: Cs (Std. list) SVOCs	Collecte
Reference Point Mark Height of Reference P Well Diame Screen Interval De Water Table De Well De Length of Water Colu Votume of Water in V Inteke Depth of Pump/Tub Inteke Depth of Pump/Tub OC: Top of Inner (PVC) Cal OC: Top of Outer (Protecti rade/BGS: Ground Surfac edevelop? Y  VACUATION INFORMATIC Pump Start Tim Pump Stop Tim	Point 0.30 neter 2.7 septh 57-73 septh 1/2.20 turn 5.64 Well 0.92 shing 14.0	Meas. Fro	om Grown om TIC om TIC		(X) (X) (X) (X)	Sample I Duplicate i MS/MS Split Sample I Analytic VOC PC	D GMA/-/D D GMA/-/D D GMA/-/D D GMA/-/D Sai Parameters: Cs (Std. tist) Ss (Exp. tist) SVOCs	Collecte
Height of Reference Proveil Diame Screen Interval De Well Diame Well De Well De Length of Water Columbia Volume of Water in Wilntake Depth of Pump/Tub Reference Point Identification IC: Top of Inner (PVC) Calum CC: Top of Outer (Protectivade/BGS: Ground Surfactivade/BGS:	Point 0.30 neter 2.7 septh 57-73 septh 1/2.20 turn 5.64 Well 0.92 shing 14.0	Meas. Fro	om Grown om TIC om TIC		(X) (X) (X) (X)	Sample I Duplicate i MS/MS Split Sample I Analytic VOC PC	D GMA/-/D D GMA/-/D D GMA/-/D D GMA/-/D Sai Parameters: Cs (Std. tist) Ss (Exp. tist) SVOCs	Collecte
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Volume of Water in V Intake Depth of Pump/Tub prenence Point Identificatio C: Top of Inner (PVC) Cai C: Top of Outer (Protecti rade/BGS: Ground Surfac idevelop? Y N  ACUATION INFORMATIC Pump Start Tim Pump Stop Tim	Well 0.92 q bing 14.0 ion: asing tive) Casing	1/00	om <u>714</u>	<del></del>	( ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	' VOC	is (Exp. list) SVOCs	(X)
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presence Point Identification C: Top of Inner (PVC) Call C: Top of Outer (Protection ade/BGS: Ground Surface adevelop? YACUATION INFORMATION Pump Start Tim Pump Stop Tim	ion: asing dive) Casing	Meas, Pro	m	<del></del>	( <u>)</u>	PC		(メ)
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rade/BGS: Ground Surface  Indevelop? Y N  VACUATION INFORMATION Pump Start Tim Pump Stop Tim	,				( )	Metals/in	organics (Total)	( )
ACUATION INFORMATION Pump Start Time	ica .				( )	Metals/Inorg	panics (Dissolved)	( )
ACUATION INFORMATION Pump Start Tim Pump Stop Tim					( )	EPA Cya	nide (Dissolved)	( )
ACUATION INFORMATION Pump Start Tim Pump Stop Tim					( )	PAC Cya	nide (Dissolved)	( )
Pump Start Tim					( )	PCD	Ds/PCDFs	( )
Pump Start Tim					( )	Pesticid	es/Herbicides	( )
Pump Start Tim					( )	Natura	Attenuation	( )
Pump Start Tim					( )	Othe	r (Specify)	( )
Water Quality	ty Meter Type(s)/	Serial Numbers	131-3 3MOZ	56 MP.	5	Hach 2	2100P Tu	rbidim
Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	00	ORP
Time Rate (L/min.)	Gallons Removed	Level (ft TIC)	(Celsius)	(0.1 units)*	(mS/cm)	(NTU)	(mg/l)	(mV)
145 100 ml			[3.4]	[O. 1 GIRES]	[3%]*	78	10% or 0.1 mg/ll	[10 mV]
-73 /00mi		11.21						ļ
ا مما محمده	0.66	11.21		-	ļ <del>-</del>	57		<u> </u>
	0.92							1
1:05 100ml		11.22				<i>\$0</i>	4	-
1:05 100ml	1.19	11.22.				50 30	4	
1:05 100ml			9.62	6.94	0.504	<del></del>	5.20	89.7
1:05 100ml 1:15 100ml 1:20 100ml	1.19	11.22.		6.94	-	30	-	- 89.7 82.9
1:05 100ml 1:15 100ml 1:20 100ml	1.19	//· Z.Z. //·21	9.62	<del></del>	0.504	30 27	5.20	*

Well No. 6MA /- 25	

Site/GMA Name GE Pi Hsfild GMA-1
Sampling Personnel GMR

Date 9/9/08

Weather Mostly Cloudy, 55°F

100ml	1	(ft TiC)	(Celsius) [3%]*	{0,1 units}*	(mS/cm) [3%]*	(NTU) [10% or 1 NTU]*	(mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
l	1.85	11-22	9.36	6.98	0.498	14	3.69	53.0
100ml	1-98	11.22	9.47	7.00	0.501	14	3.57	50.7
100ml	2.11	11-22	9.41	7.02	0.509	<i>ì1</i>	3.15	45.6
jooml	2.25	11-22	9.30	6.98	0.509	9	3.17	35.6
100 ml	2.38	11.22	9.45	7.00	0.510	8	3.07	28.5
100ml	2.51	11.22	9.70	7.00	0.517	6	2.67	27.1
100ml	2.64	11.22	9.57	7.03	0.513	5	z.78	20.3
100ml	2.77	11.22	9.69	7.00	0.519	4	2.40	17.5
100ml	2.91	11.22	9-75	7.02	0-526	4	2.25	15.0
100ml	3.04	11.22	9.58	7-04	0.527	3	2.26	13.7
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	100ml 100ml 100ml 100ml 100ml 100ml	100ml 2.25 100ml 2.38 100ml 2.51 100ml 2.64 100ml 2.77 100ml 2.91 100ml 3.04	100ml 2.25 11.22 100ml 2.38 11.22 100ml 2.51 11.22 100ml 2.64 11.22 100ml 2.77 11.22 100ml 2.91 11.22 100ml 3.04 11.22	100ml 2.25 11.22 9.30 100ml 2.38 11.22 9.45 100ml 2.51 11.22 9.70 100ml 2.64 11.22 9.57 100ml 2.77 11.22 9.69 100ml 2.91 11.22 9.75 100ml 3.04 11.22 9.58	100ml 2.25 11.22 9.30 6.98  100ml 2.38 11.22 9.45 7.00  100ml 2.51 11.22 9.70 7.00  100ml 2.64 11.22 9.57 7.03  100ml 2.77 11.22 9.69 7.00  100ml 2.91 11.22 9.75 7.02  100ml 3.04 11.22 9.58 7.04	100ml 2.25 11.22 9.30 6.98 0.509 100ml 2.38 11.22 9.45 7.00 0.510 100ml 2.51 11.22 9.70 7.00 0.517 100ml 2.64 11.22 9.57 7.03 0.513 100ml 2.77 11.22 9.69 7.00 0.519 100ml 2.91 11.22 9.75 7.02 0.526 100ml 3.04 11.22 9.58 7.04 0.527	100ml 2.25 11.22 9.30 6.98 0.509 9  100ml 2.38 11.22 9.45 7.00 0.510 8  100ml 2.51 11.22 9.70 7.00 0.517 6  100ml 2.64 11.22 9.57 7.03 0.513 5  100ml 2.77 11.22 9.69 7.00 0.519 4  100ml 2.91 11.22 9.75 7.02 0.526 4  100ml 3.04 11.22 9.58 7.04 0.527 3	100ml       2.25       11.22       9.30       6.98       0.509       9       3.17         100ml       2.38       11.22       9.45       7.00       0.510       8       3.07         100ml       2.51       11.22       9.70       7.00       0.517       6       2.67         100ml       2.64       11.22       9.57       7.03       0.513       5       2.78         100ml       2.77       11.22       9.69       7.00       0.519       4       2.40         100ml       2.91       11.22       9.75       7.02       0.526       4       2.25         100ml       3.04       11.22       9.58       7.04       0.527       3       2.26

the stabilization chiefia for each field barameter (three cons	secutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	

Well His WELL INFOR Reference Height of Screen Well Length of Volume	eckground (pp leadspace (pp RMATION noe Point Marke of Reference Po Well Diame oen Interval De Vator Table De Well De of Water Colur	en) ${}$ = ${}$ ed? ${}$ ${}$ ${}$ point ${}$ ${}$ ${}$ ${}$ ${}$	V // Meas Fm		mpling Personn Da Weath	ibe <u>4</u>	CARAB 19109 Isj claudy Sample Tim	11.39	Ź	<del>-</del> -
WELL INFOR Reference Height of Screen With Length of Volume	RMATION  ADE Point Marke  of Reference Po  Well Dlame  oen Interval Dej  Vater Table Dej  Well Dej	ed? (*) 1 oint <u>* / '/ / /</u> oter <u>2</u>		<del></del>	Weath	■ _Mcal	Sample Tim		<u> </u>	-
Referent Height of Scree W Length o Volume	orce Point Marke of Reference Po Well Dlame oen Interval Dej Vater Table Dej Well Dej	oint <u> </u>					Sample Tin	na 11:39		_
Reference Height of Screen W. Length of Volume	orce Point Marke of Reference Po Well Dlame oen Interval Dej Vater Table Dej Well Dej	oint <u> </u>					Sample Tin	na 11.37		
Height of Scree W Length o Volume	of Reference Po Well Diame Sen Interval Dej Vater Table Dej Well Dej	oint <u> </u>							<del></del>	
Scree W Length o Volume	Well Diame een Interval Dej Vater Table Dej Well Dej	<del>//e</del> r		m GROU	<i>(</i> 10		Sample I	D (TMA1-2	1	•
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Length o	Vater Table Der Weil Der	P		m Graun	1		MS/MS		MS, CHI	41-27- HS
Length o	Weil Der	nth K	·/ <del>-</del>	m TIC	<u>ar</u>		Split Sample I	D	······	SVO
Volume	of Water Colur	, ————————————————————————————————————	Meas. From		_	Required	B			an
Volume		mn 9-69				( <b>X</b> )		al Parameters:	Collected	0.00
intake Depth		101 1.589 c	ullons			(^3		Cs (Stot. iist) is (Exop. list)	( <b>X</b> )	
	h of Pump/Tubi	ng <u>//</u>	Meas, From	n Grown	d	(X)		SVOCs	( )	
								Bs (Total)	( <i>X</i> )	
eference Poir	int Identification	a:				(X)		(Dissolved)	( )v )	
	iner (PVC) Cas	•				( î )		organics (Total)		
	Outer (Protectiv					( )		panics (Dissolved)	( )	
rade/BGS: G	Ground Surface	<b>,</b>				( )		nide (Dissolved)	( )	
	v (3)					( )	PAC Cyar	nide (Dissolved)	( )	
edevulop?	Y (N)					( )	PCD	Ds/PCDFs	( )	
						( )	Pesticid	es/Herbicides	( )	
						( )	Nature	Attenuation	( )	
Pu Minut Volume of W	INFORMATIO Pump Start Time Pump Stop Time utes of Pumping Vater Removed id Well Go Dry?	1015 1205 1405 4.75 g	Non			mp ( ) S Marsel		- One	encify ( )	
Pu Pu Minut Volume of W Did	rump Start Time rump Stop Time Ites of Pumping Vater Removed id Well Go Dry?	1015 1205 4.75 4.75	Serial Numbers:	YST 4	Peristaltic Pur Pump Type:: Samples colle	mp ( ) S Marse ected by same m	() Bladder ubmersible Pump hんなーろとまた	Pump (X) ( ) Other/Sp On L un? (Y) N (speci	<b>≭</b> y)	
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Pu Pu Minut Volume of W Did	Pump Start Time Pump Stop Time Pump Stop Time Pump Stop Diry? Water Quality Pump Rate	e / () / () / () / () / () / () / () / (	Serial Numbers: Water Level	Tomp.	Peristatic Pur Pump Type:1 Samples colle	mp ( ) S  Marsc  ected by same m  3 92 A  sp. Cond. (ms/cm)	( ) Bladder ubmersible Pump bulk - Sys + without as evacuation ( # 2 )  Turbidity (NTU)	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	14) 2100 P rbilimet	r <b>u</b>
Pt Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Ites of Pumping Vater Removed id Well Go Dry?  Water Quality	e / () / () / () / () / () / () / () / (	Serial Numbers:	756-M. Tomp. (Celsius) [3%]*	Peristaltic Pur Pump Type: Samples colle	mp ( ) S Marsel ected by same m 392 A	( ) Bladder ubmersible Pump halk - Systatethod as evacuation ( # 2 )  Turbidity (NTU) [10% or 1 NTU]*	Pump (X)  ( ) Other/Sp	2/00 D - 6:1/, met	·~
Pt Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Pump Stop Time Pump Stop Diry? Water Quality Pump Rate	e / () / () / () / () / () / () / () / (	Serial Numbers: Water Level	Tomp.	Peristatic Pur Pump Type:1 Samples colle	mp ( ) S  Marsc  ected by same m  3 92 A  sp. Cond. (ms/cm)	( ) Bladder ubmersible Pump bulk - Sys + without as evacuation ( # 2 )  Turbidity (NTU)	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	· <del>-</del>
Pt Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Pump Stop Time Pump Stop Diry? Water Quality Pump Rate	e / () / () / () / () / () / () / () / (	Serial Numbers: Water Level	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type:1 Samples colle	mp ( ) S  Marsc  ected by same m  3 92 A  sp. Cond. (ms/cm)	( ) Bladder ubmersible Pump halk - Systatethod as evacuation ( # 2 )  Turbidity (NTU) [10% or 1 NTU]*	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	; <del>&gt;</del>
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Inter of Pumping Vater Removed Id Well Go Dry?  Water Quality !  Pump Rate (L/min.)	e / O/2 e / O/2 g / O/2 d 4.75 q. Y N Meter Type(s) / Total Gallons Removed	Serial Numbers: Water Level	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (ms/cm) [3%]	() Bladder ubmersible Pump halk - Systaniethod as evacuation (#2)  Turbidity (NTU) [10% or 1 NTU]*  369	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	; <del>,</del>
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Pump Stop Time Pump Stop Diry? Water Quality Pump Rate	e / () / () / () / () / () / () / () / (	Serial Numbers:  Water Level (ft TIC)	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond.  (ms/cm)  [3%]*	() Bladder ubmersible Pump halk -5 y s 4 without as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU)*	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	·~
PL PC Minute Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry?  Water Quality i  Pump Rate (L/min.)	1015   1005	Serial Numbers:  Water Level (ft TIC)  (2, 6, 6, 6, 7, 1, 6, 8, 2, 2, 8, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (ms/cm) [3%]	() Bladder ubmersible Pump halk - Systaniethod as evacuation (#2)  Turbidity (NTU) [10% or 1 NTU]*  369	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	·~
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Inter of Pumping Vater Removed Id Well Go Dry?  Water Quality !  Pump Rate (L/min.)	e / () / () / () / () / () / () / () / (	Serial Numbers:  Water Level (ft TIC)  (2, 6, 6, 6, 7, 1, 6, 8, 2, 2, 8, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (ms/cm) [3%]	() Bladder ubmersible Pump halk - Systaniethod as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU) 3 (29 25 (2) 150	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	· •
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry?  Water Quality i  Pump Rate (L/min.)	()   ()   ()   ()   ()   ()   ()   ()	Serial Numbers:	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (mS/cm) (3%)	() Bladder ubmersible Pump balk - Systantion as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU)*  369 256 160	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	·~
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry? Water Quality i  Pump Rate (L/min.)	10   10   10   10   10   10   10   10	Serial Numbers:	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (mS/cm) (3%)	() Bladder ubmersible Pump halk Systa sethod as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU)  3 (e. 9  25 (e. 145)  100  79	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	· ·
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry? Water Quality i  Pump Rate (L/min.)	()   ()   ()   ()   ()   ()   ()   ()	Water   Level (ft TIC)	Temp. (Colsius) [3%]	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (mS/cm) (3%)	() Bladder ubmersible Pump balk - Systantion as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU)*  369 256 160	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	7/00 P - 61 W. Moct. ORP (mV) [10 mV]*	· ~
Pt Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Pump Stop Time Pump Stop Diry? Water Quality Pump Rate	e / () / () / () / () / () / () / () / (	Serial Numbers: Water Level	Tomp.	Peristatic Pur Pump Type:1 Samples colle	mp ( ) S  Marsc  ected by same m  3 92 A  sp. Cond. (ms/cm)	( ) Bladder ubmersible Pump bulk - Sys + without as evacuation ( # 2 )  Turbidity (NTU)	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	*~
Pu Minut Volume of W Did	Pump Start Time Pump Stop Time Inter of Pumping Vater Removed Id Well Go Dry?  Water Quality !  Pump Rate (L/min.)	e / () / () / () / () / () / () / () / (	Serial Numbers:  Water Level (ft TIC)	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (ms/cm) [3%]	() Bladder ubmersible Pump halk - Systaniethod as evacuation (#2)  Turbidity (NTU) [10% or 1 NTU]*  369	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry? Water Quality i  Pump Rate (L/min.)	1015   1005	Serial Numbers:  Water Level (ft TIC)  (2, 6, 6, 6, 7, 1, 6, 8, 2, 2, 8, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (mS/cm) (3%)	() Bladder ubmersible Pump halk - Systaniethod as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU) 3 (29 25 (2) 150	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry? Water Quality i  Pump Rate (L/min.)	()   ()   ()   ()   ()   ()   ()   ()	Serial Numbers:	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (mS/cm) (3%)	() Bladder ubmersible Pump balk - Systantion as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU)*  369 256 160	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	2/00 P - 6: 1/2 met ORP (mV)	·~
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry? Water Quality i  Pump Rate (L/min.)	()   ()   ()   ()   ()   ()   ()   ()	Serial Numbers:	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (mS/cm) (3%)	() Bladder ubmersible Pump balk - Systantion as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU)*  369 256 160	Pump (X)  ( ) Other/Sp  Mon? (Y) N (speci	7/00 P - 61 W. Moct. ORP (mV) [10 mV]*	·~
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry? Water Quality i  Pump Rate (L/min.)	10   10   10   10   10   10   10   10	Serial Numbers:	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (mS/cm) (3%)	() Bladder ubmersible Pump halk Systa sethod as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU)  3 (e. 9  25 (e. 145)  100  79	Pump (X) () Other/Sp On L m? (Y) N (special Mach Tu DO (mg/l) [10% or 0.1 mg/l]*	7/00 P - 61 W. Moct. ORP (mV) [10 mV]*	·~
PL Pt Minut Volume of W Did	Pump Start Time Pump Stop Time Utes of Pumping Vater Removed id Well Go Dry? Water Quality i  Pump Rate (L/min.)	10   10   10   10   10   10   10   10	Serial Numbers:	756-M. Tomp. (Celsius) [3%]*	Peristatic Pur Pump Type: Samples colle  O 3 C O  PJ  pH  [0.1 units]*	sp. Cond. (mS/cm) (3%)	() Bladder ubmersible Pump halk Systa sethod as evacuation (#2)  Turbidity (NTU) (10% or 1 NTU)  3 (e. 9  25 (e. 145)  100  79	Pump (X) () Other/Sp On L m? (Y) N (special Mach Tu DO (mg/l) [10% or 0.1 mg/l]*	7/00 P - 61 W. Moct. ORP (mV) [10 mV]*	·~

( )	Well No. <u>GMA 1-27</u>	Site/GMA Name		Ĉ
*ejac		Sampling Personnel		
		Date	419108	
		Weather		

	Pump	Total	Water	Temp.	рН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)
	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]*
1050	700/50	1.78	6.68	6.42	6.95	0.127	14.239	11.28	162.9
1055	150	1.98	6.71	6.16	6.97	0.124	33	10.42	157.1
1100	1 1	2.18	6.68	6.06	6.93	0.120	31	9,88	157.1
1105	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2.38	4.68	6.02	6.93	0.118	27	9.70	155.7
1110		2.58	6.67	6.00	6.92	0.118	35	9.50	154.8
1115		2 77	6.71	5.72	6.91	0.117	27	9,43	<i> 53.</i> 8
1118		2.89	6.70	5.56	6.93	0.117	21	9.48	151,8
1121		3.01	6.68	5.47	6.90	0.115	2/	9.32	152.3
<u> 1124                                   </u>		3.13	6.71	5,50	6.92	0.115	19	9.20	150,9
<u> 1127                                   </u>		3-25	6.71	5,50	6.95	0.114	17	9.10	148,6
<u> 1130 </u>		3.37	6.68	5.50	6,94	0.115	16	9.09	149.1
<i>113</i> 3		3.49	6,70	5,48	6,94	0.116	14	9.01	150.0
1136		3.61	6.67	5,43	6.98	0.116	14	9.02	148,4
1139		3-73	6.68	5.52	6:94	0.117	14	8.93	149,6
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		Sampl	20 0	11:39					
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* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.										
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	<1. 1 1 n	inute intervals ce	1115							
	***************************************									



Well No. Key No.	- 1 1		CBG	Q	pling Personne	1/1/	ス.KA 15	•		
-	kground (ppn		<u> </u>		pang rersonne Date		1108			<del></del>
	adspace (ppm			·	Weather			2011	) 6205	_
		<i>'</i> ————————————————————————————————————			TTORUST	75lla	ruf liles	274 lou	2 (1/2)	
WELL INFOR	MATION						Panada Tina	1540		
	e Point Marked	2 (V) N					Sample Time		-57 C	
	Reference Poi	$\sim \omega_{\alpha\beta}$	14- · M	· CECOUN	1.1		Sample II		QTS	
rreight of		3.1	Meas. Hon	" LECOLLY	Ш		Ouplicate II			<del></del>
Come	Well Diamete	79	<i>TO</i>	· Ground	J		MS/MSE		··········	
	in Interval Dept		7		<u></u>		Split Sample II	)		
445	ater Table Dept Well Dept		Meas. From		<del></del>	B				
) anoth o	of Water Colum		Meas. From	1 Car	<u>_</u>	Required	-	l Parameters;	Collected	
-	of Water in We		Hama			( )		s (Std. list)	( )	
	of Pump/Tubin	4		Crown	اً م	( )		(Exp. list)	( )	
maka Dopar	OL 1 MINDE LODING		MOSS, PTOTI	<u> </u>	40	( )		VOCs	( )	
Reference Poin	nt Identification:					, ( )		ls (Total)	( )	
	er (PVC) Casir					(X)		(Dissolved)	( 🔏 )	
•	uter (Protective	-				( )		organics (Total)	( )	
Grade/BGS: G	•	, oceanil				( )	•	anics (Dissolved)	( )	
		•				( )	•	ide (Dissolved)	( )	
Redevelop?	Y (N)					( )		ide (Dissalved)	( )	
<b></b>	· @/					( )		Ds/PCDFs	( )	
						( )		es/Herbicides	( )	
						( )		Attenuation (Specify)	( )	
EVACUATION I	INFORMATION	14							, ,	
Pu Minut Valume of W	ump Start Time ump Stop Time les of Pumping later Removed I Well Go Dry?		toni		Evacuation Me Peristatic Purn Pump Type: Samples collect	p(X) Su	ibmensible Pump ( 2 (2004) ethod as evacuation	) Other/Sp	stuala Decity ( )	from point well
Pu Minut Valume of W Did	amp Stop Time les of Pumping later Removed Well Go Dry?	1560 55 3.10gn		YSI (	Peristattic Pum Pump Type: Samples collect	p (X) Su Cree	ibmensible Pump ( 2 (2004) ethod as evacuation	Other/Sp Other/Sp n? N (spec	pecify ( )	-
Pu Minut Valume of W Did	amp Stop Time les of Pumping later Removed Well Go Dry?	1560 55 3.109~1		4SI ( 556-M	Peristattic Pum Pump Type: Samples collect	p (X) Su Cree	ibmensible Pump ( 2 (2004) ethod as evacuation	Other/Sp Other/Sp n? N (spec	pecify ( )	-
Pu Minut Volume of W Did	amp Stop Time les of Pumping later Removed i Well Go Dry?  Water Quality N  Pump Rate	3./0 q n/ Y (N)	Serial Numbers:		Peristattic Pum Pump Type: Samples collect	p (X Su Czee ted by same me	Detroite Pump ( Detroit Avenue)  ethod as evacuation  (#2)	Other/S <sub>r</sub> ) Other/S <sub>r</sub> n?	sity)	-
Pu Minut Valume of W Did	amp Stop Time les of Pumping later Removed i Well Go Dry?  Water Quality N	7560 3./0 q n l Y (N) Heter Type(s)/S	Serial Numbers:	Temp.	Peristattic Pum Pump Type: Samples collect	p (X) Su  Gee  ted by same me  12 AF	Dethod as evacuation  Turbidity	Other/Sp ) Other/Sp n?  N (spectage) /// N (spectage) // N (spectage) // N (spectage)	ORP (mV)	-
Pu Minut Volume of W Did	amp Stop Time les of Pumping later Removed i Well Go Dry?  Water Quality N  Pump Rate	3./0g N Y (N) Heter Type(s)/S Total Gallons	Serial Numbers: Water 1,evel	Temp. (Gelsius)	Peristatic Purm Pump Type: Samples collect  72 J pH	p (X) Su  Gee  ted by same me  72 AF  "Sp. Gond.  (mS/cm)	threesable Pump (  Parago)  ethod as evacuation  (# 2)  Turbidity  (NTU)  [10% or 1 NTU]	Other/Sp ) Other/Sp n?  N (spectage) /// N (spectage) // N (spectage) // N (spectage)	ORP (mV)	-
Pu Minut Volume of W Did	amp Stop Time les of Pumping later Removed i Well Go Dry?  Water Quality N  Pump Rate	J560 S5 3./0gn/ Y (N) Heter Type(s)/S Total Gallons Removed	Serial Numbers: Water 1,evel	Temp. (Gelsius)	Peristatic Purm Pump Type: Samples collect  72 J pH	p (X) Su  Gee  ted by same me  72 AF  "Sp. Gond.  (mS/cm)	Turbidity (NTU)	DO (mg/l)   10% or 0.1 mg/l)	ORP (mV)	-
Pu Minut Volume of W Did	amp Stop Time les of Pumping later Removed i Well Go Dry?  Water Quality N  Pump  Rate (L/min.)	7560 3./0 g n l Y N Heter Type(s)/S Total Gallons Removed	Serial Numbers: Water 1,evel	Temp. (Gelsius)	Peristatic Pum Pump Type: Samples collect 3	p (M) Su CZ e.e. ted by same me TZ AF  Sp. Cond. (mS/cm) [3%]*	Turbidity [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)	-
Pu Minut Volume of W Did	amp Stop Time res of Pumping fater Removed if Well Go Dry?  Water Quality M  Pump  Rate (L/min.)	J. J	Water Level (ff TIC)  6.73  1.9 16  1.87	Temp. (Celaius) [3%]*	Peristatic Purm Pump Type: Samples collect  72 J pH	p (X) Su Czee ted by same me PZ AF  Sp. Gond. (mS/cm) [3%]*	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)	-
Pu Minut Valume of W Did	amp Stop Time les of Pumping later Removed i Well Go Dry?  Water Quality N  Pump  Rate (L/min.)	J560 S5 3./09 nl Y N leter Type(s)/S Total Gallons Removed 	Water Level (ff TIC)	Temp. (Celaius) [3%]*	Peristatic Pum Pump Type: Samples collect 3	p (M) Su CZ e.e. ted by same me TZ AF  Sp. Cond. (mS/cm) [3%]*	Turbidity [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)	-
Pu Minut Volume of W Did	amp Stop Time res of Pumping fater Removed if Well Go Dry?  Water Quality M  Pump  Rate (L/min.)	7560 3./0 g n l Y (N) Reter Type(s)/S Total Gallons Removed D:66 0.92 1.18	Water 1.evel (ff TIC) 6.73 1.49 16 4.887 8.88	Temp. (Celaius) [3%]*	Peristatic Pum Pump Type: Samples collect 3	97 AF  Sp. Cond.  (inS/cm)  [3%]*  0.(e(e)  0.659	the purp (Paragraph of the purp of the pur	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)	-
Pu Minut Volume of W Did	amp Stop Time res of Pumping fater Removed if Well Go Dry?  Water Quality M  Pump  Rate (L/min.)	7560 55 3./0 g n l Y N leter Type(s)/S Total Gallons Removed 	Water Level (ff TIC)  6.73  1.9 16  1.87	Temp. (Celaius) [3%]*	Peristatic Pum Pump Type: Samples collect 3	p (X) Su Czee ted by same me PZ AF  Sp. Gond. (mS/cm) [3%]*	Turbidity [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)	-
Pu Minut Valume of W Did	amp Stop Time res of Pumping fater Removed if Well Go Dry?  Water Quality M  Pump  Rate (L/min.)	7550 3./09 nl Y N Heter Type(s)/S Total Gallons Removed 	Water 1.evel (ff TIC) 6.73 1.49 16 4.887 8.88 8.90 8.90	Temp. (Celaius) [3%]*	Peristatic Pum Pump Type: Samples collect 3	97 AF  Sp. Cond.  (inS/cm)  [3%]*  0.(e(e)  0.659	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)	-
Pu Minut Valume of W Did	amp Stop Time res of Pumping fater Removed if Well Go Dry?  Water Quality M  Pump  Rate (L/min.)	7560 55 3./0 g n l Y N leter Type(s)/S Total Gallons Removed 	Water 1.evel (ff TIC) 6.73 1.49 16 4.887 8.88	Temp. (Celaius) [3%]*	Peristatic Pum Pump Type: Samples collect 3	97 AF  Sp. Cond.  (inS/cm)  [3%]*  0.(e(e)  0.659	the purp (Paragraph of the purp of the pur	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)	-
Time  1500 1500 1515 1520 1525 1530 The stabilization	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality N  Pump  Rate (L/min.)	7550 3./09 nl Y N Heter Type(s)/S Total Gallons Removed 	Water 1.evel (ff TIC) 6.93 4.00 8.87 8.88 8.90 8.90 8.91 8.89 er (three consecutive)	Tomp. (Colaius) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 63  Pr pH  60.1 units 7.03  7.04  7.04  7.09  7.08  7.08	P ( ) Su Cre.e ted by same me 97. AF  Sp. Cond. (mS/cm) [3%]*	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*	-
Time  7555  7500  7505	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality M  Pump  Rate (L/min.)  200	JSSO 3./0 g n l Y N Heter Type(s)/S Total Gallons Removed D. 66 D. 92 J. 18 J. 45 J. 71 J. 98 In field parameter	Water 1.evel (ff TIC) 6.73 / 49 /6 8.87 8.88 8.90 8.90 8.90 8.90 8.90 8.90 8.90	Temp. (Catalita) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 63  Pr pH  60.1 units 7.03  7.04  7.04  7.09  7.08  7.07	p ( $\mathcal{M}$ Su $\mathcal{C}$ 20.0 ted by same me $\mathbb{R}^2$ AF  Sp. Gond. (mS/cm) $\mathbb{R}^3$ $\mathbb{R}^4$	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]  2.96  2.96  1.32  1.12  1.07  0.93  column heading.	ORF (mV)	eter
Time  7555  7500  7505	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality M  Pump Rate (L/min.)  200  I criteria for each  Calling M	JSSO 3./09 N Y N Heter Type(s)/S Total Gallons Removed	Water 1.evel (ff TIC) 6.73 1.49 1.88 1.88 8.90 8.90 8.90 8.91 8.89 8.70 8.71 8.80 8.71 8.80	Temp. (Catalus) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 33  7 pH  [0.1 units]*  7.03  7.04  7.04  7.09  7.08  7.07  Obsected at 3- to see	p (M) Su Czee ted by same me PZ AF  Sp. Gord. (mS/cm) [3%]*  O (66) O (659) O (66) O (	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]  2.96  1.32  1.12  1.07  0.93  column heading.	ORP (mV)	eter
Time  7555  7500  7505	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality M  Pump Rate (L/min.)  200  I criteria for each  Calling M	1550 3./0gnl Y N  Heter Type(s)/S  Total Gallons Removed	Water Level (fi TIC)  6 73  1 4 8.87  8.90  8.90  8.90  8.90  8.90  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70	Temp. (Catalus) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 33  73 pH  [0.1 units]*  7.03  7.04  7.04  7.09  7.08  7.07  ollected at 3- to s  C. V. L. L.	p (M) Su Greeted by same me  92 AF  Sp. Gord.  (mS/cm)  [3%]*  O.660	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]  2.96  1.32  1.12  1.07  0.93  column heading.	ORP (mV)	eter
Time  7555  7500  7505	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality M  Pump Rate (L/min.)  200  I criteria for each  Calling M	1550 3./0gnl Y N  Heter Type(s)/S  Total Gallons Removed	Water 1.evel (ff TIC) 6.73 1.49 1.88 1.88 8.90 8.90 8.90 8.91 8.89 8.70 8.71 8.80 8.71 8.80	Temp. (Catalus) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 63  7 pH  (0.1 units)  7.03  7.04  7.04  7.04  7.09  7.08  7.07  olected at 3- to s  at kilk	p (M) Su Czee ted by same me PZ AF  Sp. Gord. (mS/cm) [3%]*  O (66) O (659) O (66) O (	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]  2.96  2.96  1.32  1.12  1.07  0.93  column heading.	ORP (mV)	eter
Time  7555  7500  7515  7515  7520  7525  7530  The stabilization BSERVATIONS  No IVITI Toolard  YCYA Charles	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality N  Pump Rate (L/min.)  250  200  criteria for each sysampling in  (apt)  Lip To Y	1550 3./0gnl Y N  Heter Type(s)/S  Total Gallons Removed	Water Level (fi TIC)  6 73  1 4 8.87  8.90  8.90  8.90  8.90  8.90  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70	Temp. (Catalus) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 63  7 pH  (0.1 units)  7.03  7.04  7.04  7.04  7.09  7.08  7.07  olected at 3- to s  at kilk	p (M) Su Czee ted by same me PZ AF  Sp. Gord. (mS/cm) [3%]*  O (66) O (659) O (66) O (	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]  2.96  1.32  1.12  1.07  0.93  column heading.	ORP (mV)	eter
Time  755  1500  1515  1510  1515  1520  1525  1530  The stabilization BSERVATIONS  No 1011  Tooley of Yelly of Ample DESTINATIONS	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality N  Pump Rate (L/min.)  250  200  criteria for each sisampling in  (aggl)  Lip 10 Y	1550 3./0gnl Y N  Heter Type(s)/S  Total Gallons Removed	Water Level (fi TIC)  6 73  1 4 8.87  8.90  8.90  8.90  8.90  8.90  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70	Temp. (Catalus) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 63  7 pH  (0.1 units)  7.03  7.04  7.04  7.04  7.09  7.08  7.07  olected at 3- to s  at kilk	p (M) Su Czee ted by same me PZ AF  Sp. Gord. (mS/cm) [3%]*  O (66) O (659) O (66) O (	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]  2.96  1.32  1.12  1.07  0.93  column heading.	ORP (mV)	eter
Time  755  7500  7505  7505  7500  7505  7500  7	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality N  Pump Rate (L/min.)  250  200  I criteria for each s/SAMPLING N  (L/min.)  ATION  564	1550 3./0gnl Y N  Heter Type(s)/S  Total Gallons Removed	Water Level (fi TIC)  6 73  1 4 8.87  8.90  8.90  8.90  8.90  8.90  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70	Temp. (Catalus) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 63  7 pH  (0.1 units)  7.03  7.04  7.04  7.04  7.09  7.08  7.07  olected at 3- to s  at kilk	p (M) Su Czee ted by same me PZ AF  Sp. Gord. (mS/cm) [3%]*  O (66) O (659) O (66) O (	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]  2.96  1.32  1.12  1.07  0.93  column heading.	ORP (mV)	eter
Time  755  7500  7505  7510  7515  7520  7525  7530  The stabilization BSERVATIONS  No 1010  Track of YGYA C	amp Stop Time les of Pumping later Removed if Well Go Dry?  Water Quality N  Pump Rate (L/min.)  250  200  I criteria for each s/SAMPLING N  (L/min.)  ATION  564	1550 3./0gnl Y N  Heter Type(s)/S  Total Gallons Removed	Water Level (fi TIC)  6 73  1 4 8.87  8.90  8.90  8.90  8.90  8.90  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70  8.70	Temp. (Catalus) [3%]*	Peristatic Pum Pump Type: Samples collect  33 C 63  7 pH  (0.1 units)  7.03  7.04  7.04  7.04  7.09  7.08  7.07  olected at 3- to s  at kilk	p (X) Su Cree ted by same me P A F A F A F A F A F A F A F A F A F A	the property of the property o	DO (mg/l) [10% or 0.1 mg/l]  2.96  1.32  1.12  1.07  0.93  column heading.	ORP (mV)	eter

C:SWORKGE:Groundwater(654189 / Machineral)

1.266 276		
Well No. 10-045	Site/GMA Name	<u>GMA I</u>
	Sampling Personnel	KLC. /RAB
	Date	41908
	Weather	Sunny Breezy Hick 50s
INEL : INCODMATION Con Dogs 4		J 3

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1535	200	2.24	8.90	10.96	7.07	O. lole1	2	1.90	-63.3
1540	4	2-51	8.89	10.89	7.07	0662	Q.	0.84	-63,3 -64,6
		San	upled	@ 159	10				
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The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
DBSERVATIONS/SAMPLING METHOD DEVIATIONS

					Ob. Obs. A	/ 1			
Well		<del>-'' \</del>	······		SIM/GMA Na	me 🗀	MA I		
Kay I			<del></del>	30	empling Person	nel	YAMB	- I I I I I I I I I I I I I I I I I I I	
PID 6	lackground (pp	)			D	ato 4/,	4108	741111111111111111111111111111111111111	· · · · · · · · · · · · · · · · · · ·
Well	Headspace (pp	,,, (mc			West	10T JU	nnV, 50	)° [-	
							<del></del>	<del> </del>	
MELL INFO	RMATION						Sample Ti	me ITX	)5
Refere	nce Point Mark	ed? Y (N	ン				Sample		$\widetilde{O}$
Height	of Reference Pr	oint ~ Q · i *	Meas, Fre	om BGS			Duplicate	*******	DUP - 2
	Well Diame	4"					,	<del></del>	
Scr	oen interval Do	oth 4-14		m 865			MSMS		<u> </u>
	Water Table De		Mona, Fro				Spill Sample	ID	
	Well De	المحاجب المراجب المراجب			<del></del>	D			
Length	n of Water Colum		10000001.710	***		Required		zai Parameters:	Collecte
_	ne of Water in W		Han I			( )		Cs (Std. äst)	( )
	th of Pump/Tubi		-	-710			Voc	>s (Exp. list)	( <b>X</b> )
······································	er or i unique i usua		Meas, Fro	m <u>77C</u>		( )		SVOCs	( )
forese Co	- i-a i-i-a i-i-a - i-a					( )	PC	Bs (Total)	( )
	ant Identification	•				( <b>'X'</b> )	PCB	(Dissolved)	( <b>X</b> )
	nner (PVC) Cas	-				( )	Metals/ir	organics (Yotal)	$\langle C \rangle$
	Outer (Protectiv					(★)	Metals/Inon	panics (Dissolved)	( V )
ide/BGS:	Ground Surface	٠.				( )		nide (Dissolved)	; <b>^</b> ;
						(×)		nide (Dissolved)	CV i
develop?	Y (N)					( )		Ds/PCDFs	<i>i</i> ^ (
						( )	Pesticid	es/Herbicides	, ,
						( )		Attenuation	( )
						( )		(Specify)	( )
ACUATION	I INFORMATIO	N Car						(Cpcmy)	( )
P	Pump Start Time	130_							
. P	ump Stop Time	1254	<del></del>	<b>.</b>	Evacuation M	ethod: Bailer	( ) Diadelas	······· × ·	
Minu	ites of Pumping	204						Pump ( <b>X</b> )	
						/ 1 n.			
olume of V	Vater Removed		ial .		Peristaltic Pur	, , , , , , , , , , , , , , , , , , , ,	ibmersible Pump		pecify ( )
	Vater Removed id Well Go Dry?	.S.40	jal		Pump Type:	System	1 1 Blad	derpu	mp_
Di	id Well Go Dry?	*S.4 0	<del>)</del>		Pump Type:	System		derpu	mp_
Di	id Well Go Dry?	.S.40	<del>)</del>	YSI 55	Pump Type:	System	1 1 Blad	derpu	mp_
Di	id Well Go Dry? Water Quality i	*S.4 0	<del>)</del>	YSISS	Pump Type:	S/N C	1 1 Blad	clarpu in? Y N (spec	ily)
Di	id Well Go Dry?  Water Quality f	Y N N N N N N N N N N N N N N N N N N N	<del>)</del>	YSTSS HAH Temp.	Pump Type: Samples colle	S/N C	1.3 (and as evacuation) $2039$	der pu in? Ø N (spec IL AE	ily)
Di	id Well Go Dry?  Water Quality if  Pump  Rate	Y N Selection (Selection ) / Selection (Selection ) / Selection (Selection )	Serial Numbers;	Temp.	Pump Type: Samples colle TURALL TURALL	cted by same in	1 3 Cad ethod as evacuation	1.4//000	O O S O
Di	id Well Go Dry?  Water Quality f	Y N N N N N N N N N N N N N N N N N N N	Serial Numbers;	1 .	Pump Type: Samples colle TURALL TURALL	cted by same m	1 Blade evacuation as evacuation 20039  Turbidity (NTU)	DO (mg/l)	ORP (mV)
Di	id Well Go Dry?  Water Quality if  Pump  Rate	y N N N N N N N N N N N N N N N N N N N	Sorial Numbers; Water Level	(Celeius)	Pump Type: Samples colle TURPS pH	S/N Cond. (mS/am)	1 Blade evacuation as evacuation 20039  Turbidity (NTU)	17 Y N (spec)	ORP (mV) [10 mV]*
Di	Water Quality is Pump Rate (m(L/min.)	Aster Type(s) / S Total Gallone Removed	Water Level (ft TIC)	(Coloius) [3%]*	Pump Type: Samples colle TURPS pH	S/N Cond. (mS/am)	1 Blade evacuation as evacuation 20039  Turbidity (NTU)	DO (mg/l)	ORP (mV)
Di	id Well Go Ory?  Water Quality if  Pump  Rate  (m)(L/min.)	y N N N N N N N N N N N N N N N N N N N	Sorial Numbers; Water Level	(Coloius) [3%]*	Pump Type: Samples colle TURPS pH	S/N Cond. (mS/am)	1 Blade evacuation as evacuation 20039  Turbidity (NTU)	DO (mg/l)	ORP (mV)
Di	Water Quality is Pump Rate (m(L/min.)	Feder Type(s)/S  Total Gallone Removed  (1.026 (1.264)	Water Level (ft TIC)  0.24	(Coloius) (3%)*	Pump Type: Samples colle TURPS  pH  [0.1 units]*	S/N Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)	DO (mg/l) (10% or 0.1 mg/l)	O (05) ORP (mV) [10 mV]*
Di	Water Quality is Pump Rate (m(L/min.)	Fotal Gallone Removed  (a) 26 4  (b) 26 4  (c) 26 4  (c) 27 6	Water Level (ft TIC)	(Colaius) [3%]* /0.99 /0.82	Pump Type: Samples colle TURPS  pH  [0.1 units]*	S/N Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l)	ORP (mV)
Di	Water Quality is Pump Rate (m(L/min.)	Feder Type(s)/S  Total Gallone Removed  (1.026 (1.264)	Water Level (ft TIC)  0.24	(Colaius) [3%]* /0.99 /0.82	Pump Type: Samples colle TUR POLD pH [0.1 units]*	S/N Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	10% or 0.1 mg/fr	(mV) [10 mV]* [2/2.7
Di	Water Quality is Pump Rate (m(L/min.)	Formula (Control of the Control of t	Sorial Numbers;  Water Level (ft TIC)  0.29  0.24  0.24	(Coloius) (3%)* 	Pump Type: Samples colle  GAMPS TURPAT  pH  [0.1 units]*  G. 88  G. 93  G. 95	S/N Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)	DO (mg/l) (10% or 0.1 mg/l)	O (05) ORP (mV) [10 mV]*
Di	Water Quality is Pump Rate (m(L/min.) ///// //// //// //// //// //// ////	Feter Type(s)/S  Total Gallone Removed  0.264  0.396  0.529  0.529	Water Level (ft Tic)  0, 20  20, 24  6, 24  6, 24  6, 24	(Colaius) [3%]* /0.99 /0.82	Pump Type: Samples colle TUR POLD pH [0.1 units]*	S/N Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	10% or 0.1 mg/fr	(mV) [10 mV]* [2/2.7
Di	Water Quality is Pump Rate (m(L/min.)	Formula (Control of the Control of t	Water Level (ft Tic)  0, 20  20, 24  6, 24  6, 24  6, 24	(Cotalium) (3%)* 	Pump Type: Samples colle TURPAL  pH  [0.1 units]*  (a, 88) (a, 93) (a, 95) (c, 98)	5 x + eN S/N C SP. Cond. (mS/cm) [3%]* 1.2/5 1.220 1.221	Turbidity (NTU) [10% or 1 NTU]	10% or 0.1 mg/fr  10, 10  7, 25  7, 03	(mV) [10 mV]* [2/2.7
Di	Water Quality is Pump Rate (m(L/min.) ///// //// //// //// //// //// ////	Feter Type(s)/S  Total Gallone Removed  0.264  0.396  0.529  0.529	Sorial Numbers;  Water Level (ft TIC)  0.29  0.24  0.24	(Coloius) (3%)* 	Pump Type: Samples colle  GAMPS TURPAT  pH  [0.1 units]*  G. 88  G. 93  G. 95	S/N Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	10% or 0.1 mg/fr	(mV) [10 mV]* [2/2.7
Di	Water Quality is Pump Rate (m(L/min.) ///// //// //// //// //// //// ////	Feter Type(s)/S  Total Gallone Removed  0.264  0.396  0.529  0.529	Water Level (ft Tic)  0, 20  20, 24  6, 24  6, 24  6, 24	(Cotalium) (3%)* 	Pump Type: Samples colle TURPAL  pH  [0.1 units]*  (a, 88) (a, 93) (a, 95) (c, 98)	5 x + eN S/N C SP. Cond. (mS/cm) [3%]* 1.2/5 1.220 1.221	Turbidity (NTU) [10% or 1 NTU]	10% or 0.1 mg/fr  10, 10  7, 25  7, 03	(mV) [10 mV]* [2/2.7
Di	Water Quality is Pump Rate (m(L/min.) ///// //// //// //// //// //// ////	Feter Type(s)/S  Total Gallone Removed  0.264  0.396  0.529  0.529	Water Level (ft Tic)  0, 20  20, 24  6, 24  6, 24  6, 24	(Cotalium) (3%)* 	Pump Type: Samples colle TURPAL  pH  [0.1 units]*  (a, 88) (a, 93) (a, 95) (c, 98)	5 x + eN S/N C SP. Cond. (mS/cm) [3%]* 1.2/5 1.220 1.221	Turbidity (NTU) [10% or 1 NTU]	10% or 0.1 mg/fr  10, 10  7, 25  7, 03	(mV) [10 mV]* [2/2.7
73/ 13/ 140 45 50 50	Water Quality is Pump Rate (m(L/min.) /OO /OO /OO	10.524 0.394 0.394 0.529 0.401 0.793	Sorial Numbers;  Water Level (ft TIC)  0.24  0.24  0.24  0.24  0.24  0.24	(Cotalius) (3%)*  10.99 10.72 10.91 11.00	Pump Type: Samples colle  Tufffor  pH  [0.1 units]*  (a, 88)  (a, 93)  (a, 95)  (a, 98)  7, 00	5/N Cond. Sp. Cond. (mS/cm) [3%]  1.2/5  1.220  1.220  1.220	1 Place sthod as evacuation 2 CO39 Turbidity (NTU) [10% or 1 NTU]  3 3 3 2	10% or 0.1 mg/fr  10% or 3.1 mg/fr  10, 10  9, 25  9, 03  8,74	(mV) [10 mV]* [2/2.7
73/ 24/0 45 50 55	Water Quality is Pump Rate (m(L/min.) /OO /OO /OO /OO	Feld parameter in the left parameter in the	Water Level (ft TIC)  (0.20  2.24  (0.24  (0.24  (0.24)  (0.24)  (0.24)	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
73/ 24/0 45 50 55	Water Quality is Pump Rate (m(L/min.) /OO /OO /OO /OO	10.524 0.394 0.394 0.529 0.401 0.793	Water Level (ft TIC)  (0.20  2.24  (0.24  (0.24  (0.24)  (0.24)  (0.24)	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  Tufffor  pH  [0.1 units]*  (a, 88)  (a, 93)  (a, 95)  (a, 98)  7, 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
73/ 24/0 45 50 55	Water Quality is Pump Rate (m(L/min.) /OO /OO /OO /OO	Feld parameter in the left parameter in the	Water Level (ft TIC)  (0.20  2.24  (0.24  (0.24  (0.24)  (0.24)  (0.24)	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	1 Place sthod as evacuation 2 CO39 Turbidity (NTU) [10% or 1 NTU]  3 3 3 2	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
73/ 23/ 250 55 00	Water Quality is Pump Rate (m(L/min.) /OO /OO /OO /OO	Feld parameter in the left parameter in the	Water Level (ft TIC)  (0.20  2.24  (0.24  (0.24  (0.24)  (0.24)  (0.24)	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
73/ 75/ 50 55/	Water Quality is Pump Rate (m(L/min.) /OO /OO /OO /OO	Feld parameter in the left parameter in the	Sorial Numbers:  Water Level (ft TIC)  0.20  0.24  0.24  0.24  0.24  co.24  r (three consecutions	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
73/ 75/ 50 55/	Water Quality is Pump Rate (m(L/min.) /OO /OO /OO /OO	Feld parameter in the left parameter in the	Sorial Numbers:  Water Level (ft TIC)  0.20  0.24  0.24  0.24  0.24  co.24  r (three consecutions	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
Time  23/ 27/0 25/5 50 55/5 00 stabilization RVATIONS	Water Quality is Pump Rate (m(L/min.) ///// //// //// //// //// //// ////	Feld parameter in the left parameter in the	Sorial Numbers:  Water Level (ft TIC)  0.20  0.24  0.24  0.24  0.24  co.24  r (three consecutions	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
Time  23/ 250 550 550 Stabilization RVATIONS	Water Quality is Pump Rate (m(L/min.) ///// //// //// //// //// //// ////	Feld parameter in the left parameter in the	Sorial Numbers:  Water Level (ft TIC)  0.20  0.24  0.24  0.24  0.24  co.24  r (three consecutions	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
Time  23/ 250  555  CO   stabilization RVATIONS  E DESTIN oratory:	Water Quality is Pump Rate (m(L/min.) ///// //// //// //// //// //// ////	Feld parameter in the left parameter in the	Sorial Numbers:  Water Level (ft TIC)  0.20  0.24  0.24  0.24  0.24  co.24  r (three consecutions	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7
Time  23/ 250 555 00  Itabilization RVATIONS	Water Quality is Pump Rate (m(L/min.) ///// //// //// //// //// //// ////	Feld parameter in the left parameter in the	Sorial Numbers:  Water Level (ft TIC)  0.20  0.24  0.24  0.24  0.24  co.24  r (three consecutions	(Cotalius) (3%)*  /0.99 /0.82 /0.72 /0.91 /1.00	Pump Type: Samples colle  TWANS  TWANS  PM  [0.1 units]*  G. 88  G. 73  G. 75  C. 78  7. 00	S/W Cond. S/W E F  SP. Cond. (mS/cm) [3%]*  1.2/5  1.220  1.220  1.220  1.220	athod as evacuation  Compared to the service of the	10% or 0.1 mg/ly  10% or 0.1 mg/ly  10% or 0.25  7, 03  8, 74  8, 58	(mV) [10 mV]* [2/2.7

# 13

## GROUNDWATER SAMPLING LOG

Well No	a <u>139</u>	1R			Site/GMA Nam	. GE F	ittsticle	1-6MA-	7
Key No	o. XX- J	· <del>7</del>		Sam	pling Personne				
PID Ba	ickground (ppr	n)			Dat	• <u>4/3/02</u>			
Well H	lead <del>apace</del> (ppn	n) <u>O</u>			Weathe	· Sunny	40-45°F		
WELL INFOR	RMATION	_				,	Sample Time	13:00	
Referen	ice Point Marke	17 (Y) N	,	_	,		Sample II	139R	
Height o	of Reference Poi	nt -0,40	Meas. From	, <u>Groun</u>	<u>J</u>		Duplicate II		
	Well Diamet			_			MS/MSI	·	
	en Interval Dep			Groun	7		Spilt Sample it	) <u>~</u>	
v	Vater Table Dep		Meas. From						
1	Well Dep		Meas, From	776		Required		I Parameters:	Collected
	of Water Colum of Water in We	in <u>G.70</u> st 1.//gall	<del></del>			( )	,	s (Std. list)	( )
	h of Pump/Tubin	7-1	Meas, From	T'16		( )		(Exp. list) VOCs	( )
		3.2.1. <u>0</u>		<u> </u>	<del></del>	( )		is (Total)	( )
Reference Po	int Identification	:				$(\boldsymbol{x})$		(Dissolved)	$\langle \boldsymbol{\varkappa} \rangle$
TIC: Top of In	ner (PVC) Casi	ng				( )		organics (Total)	( )
TOC: Top of	Outer (Protective	e) Casing				( )	Metals/Inorg	anics (Dissolved)	( )
Grade/BGS: (	Ground Surface					( )	EPA Cyan	ide (Dissolved)	( )
	<i>(</i>					( )	PAC Cyan	ide (Dissolved)	( )
Radevelop?	Y (N)					( )	PCDI	Ds/PCDFs	( )
		-				( )		es/Herbicides	( )
						( )		Attenuation	( )
EVACUATION	LINFORMATIO	4				( )	Cales	(Specify)	, }
F	Pump Start Time	12:00							
	ump Stop Time		<del></del>		Evacuation M	ethod. Bailer	( ) Stadderi	oump ( )	
Mini	utes of Pumping	70			Peristaltic Pun	•	ibmersible Pump		ecity ( )
Volume of \	Water Removed	1.85 40	Mons		Pump Type:	Geo F	ump Z		
p	id Weil Go Dry?								
		Y(N)			Samples colle	cted by same n	withod as evacuation	n? 🕜 N (spec	afy)
	*.		Sarial Numbers	Y51-59		cted by same n			
	*.	Weter Type(a) / S		Y51-53	6MPS				arbidimo
<u> </u>	*.			YS1-55 3€0: Temp.					
Tkne	Water Quality !	Meter Type(s) / 5	<u> </u>	360	6MP3 392AE	#2	Hach &	2100 P TO	urbidimo
<u> </u>	Water Quality !	Weter Type(s) / 5	Water	7 <b>(7</b> (7)	6MP3 392AE	#2 Sp. Cond.	Househ 3	2/00 P 70	ORP (mV)
<u> </u>	Water Quality ! Pump Rate	Veter Type(s) / 5 Total Gallons	Water Level	Temp. (Celsius)	56MP3 392AF	Sp. Cond. (mS/cm)	Hoseh Z	2/00 P 70	ORP (mV)
Tkne	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius)	6MP3 992AF pH [0.1 units]*	#2   Sp. Cond.  (mS/cm)   [3%]*	Hoseh of Turbidity (NTU) [10% or 1 NTU]	2/00 P 70	ORP (mV)
Tkne	Pump Rate (Limin.)	Total Gallons Removed	Water Level (ft TIC)  7.57	Temp. (Celsius) [3%]*	992AF pH [0.1 units]*	.Sp. Cond. (mS/cm) [3%]*	Hesch of Turbidity (NTU) [10% or 1 NTU]*	DO P 70 (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Time 12:05 12:00	Pump Rate (Limin.) 100 m l	Total Gallons Removed O · 13	Water Level (ft TIC) 7.57 1.67	7.56	6.95	\$p. Cond. (mS/cm) [3%]*	Hoseh of Turbidity (NTU) [10% or 1 NTU]*	DO P TO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Thre  12:05  12:00  12:15	Pump Rate (Limin.) 100 m l 100 m l	Total Gallons Removed 0.13 0.26 0.40	Water Level (ft TIC) 7.57 1.67 7.73	7.56	6.72	#2   Sp. Cond.   (ms/cm)   [3%]* 	Hoseh of Turbidity (NTU) [10% or 1 NTU]*	DO P TO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) (10 mV)*
Thre  12:05  12:00  12:15  12:15	Pump Rate (Limin.) 100 m l 100 m l 100 m l	Total Gallons Removed O · 13 O · 26 O · 40 O · 53	Water Level (ft TIC) 7.57 1.67 7.73 7.79	7.56 7.35	6.95 6.87 6.87	#2   Sp. Gond. (mS/cm)   [3%]* 	Hoseh of Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) (10% or 0.1 mg/l)  12-60 8.84 8.38	ORP (mV) [10 mV]* 178.1 176.0
Thre  12:05  12:00  12:15  12:20  12:20	Pump Rate (Limin.) 100 ml 100 ml 100 ml	Total Gailons Removed 0.13 0.26 0.40 0.53 0.66	Water Level (ft TIC) 7.57 1.67 7.73 7.79 7.82	7.56 7.30 7.54	6.95 6.95 6.95 7.12	#2 .Sp. Cond. (ms/em) [3%]* 	Househ of Turbidity (NTU) (NTU) (10% or 1 NTU) (6) (6) (6) (7)	DO (mg/l) (10% or 0.1 mg/l)  12-60 8.84 8.38 7.94	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3
Thre  12:05  12:00  12:15  12:20  12:20  12:20  12:20	Pump Rate (Limin.) 100 ml 100 ml 100 ml 100 ml 100 ml	Total Gallons Removed 0.13 0.26 0.40 0.53 0.66 0.79 0.92	Water Lovel (ft TIC) 7.57 1.67 7.73 7.79 7.82 7.84 7.87	7.56 7.30 7.35 7.35	6MPS 992AF pH [0.1 units]* 6.95' 6.72 6.87 7.12 7.31	#2   Sp. Gond.  (mS/cm)  3% * 	# 40 ch 6 6 7 5 5	2100 P To (mg/l) (10% or 0.1 mg/l) (10% or 0.1 mg/l) (12-60 8.84 8.38 7.94 7.60	ORP (mV) [10 mV]* 178.1 /76.0 /56.3 /30.3
Thre  12:05  12:40  12:15  12:20  12:20  12:20  12:30  12:35	Pump Rate (Limin.) 100 ml	Total Gallons Removed 0.13 0.26 0.40 0.53 0.66 0.79 0.92	Water Level (ft TIC) 7.57 1.67 7.73 7.79 7.82 7.84 7.87 1.88	7.56 7.30 7.35 7.35 7.44 7.24	6.95 6.95 6.95 6.72 6.87 7.12 7.31 7.39 7.42	#2 Sp. Gond. (mS/cm) [3%]* 	#8 ch 3 Turbidity (NTU) [10% or 1 NTU] 6 6 7 5 5 5	2100 P To  DO (mg/l) (10% or 0.1 mg/l)  12-60 8.84 8.38 7.94 7.84 7.60 7.50	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8
Time  12:05  12:40  12:25  12:25  12:38  12:40  The stabilization	Pump Rate (Limin.) 100 ml	Total Gallons Removed 0.13 0.26 0.40 0.53 0.66 0.79 0.92	Water Level (ft TIC) 7.57 7.67 7.73 7.79 7.92 7.87 7.87 7.88	7.56 7.30 7.35 7.35 7.44 7.24	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond. (ImS/cm)   [3%]*	Turbidity (NTU) [10% or 1 NTU]  6  6  7  5  5  5  stee) is listed in each	2/00 P To  DO (mg/l) (10% or 0.1 mg/l)  12-60 8.84 8.38 7.94 7.84 7.60 7.50 column heading.	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1
Thme  12:05  12:40  12:25  12:20  12:25  12:30  12:30  12:40  The stabilization  OBSERVATION	Pump Rate (Limin.) 100 ml	Total Gallons Removed 0.13 0.26 0.40 0.53 0.66 0.79 0.92 1.06 ch field paramet	Water Level (ft TIC)  7.57  1.67  7.73  7.79  7.87  7.87  1.88  er (three consecutions	7.56 7.30 7.35 7.35 7.44 7.24	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond. (ImS/cm)   [3%]*	Turbidity (NTU) [10% or 1 NTU] 6 6 7 5 5 5 5 8 is listed in each	DO P 70  (mg/l)  [10% or 0.1 mg/l]   /2-60  8.84  8.38  7.94  7.84  7.84  7.50  column heading.	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1
Thme  12:05  12:15  12:15  12:20  12:25  12:30  12:30  The stabilization  To, †;	Pump Rate (Limin.) 100 ml	Total Gallons Removed 0.13 0.26 0.40 0.53 0.66 0.79 0.92 1.06 ch field parameter METHOD DEVI	### Company   Water   Level   (ft TIC)   7.57   7.67   7.79   7.92   7.87   7.87   7.88   Ft.   Water   Water	7.56 7.30 7.35 7.35 7.37 7.35 7.37 7.35	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond.   (ImS/cm)   [3%]"	Turbidity (NTU) [10% or 1 NTU]  6  6  7  5  5  5  5  4  Buffe	DO P 70  (mg/l)  [10% or 0.1 mg/l]   /2-60  8.84  8.38  7.94  7.84  7.84  7.50  column heading.  Reading	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1
Thme  12:05  12:15  12:15  12:20  12:25  12:30  12:30  The stabilization  To, 4,	Pump Rate (Limin.) 100 ml	Total Gallons Removed 0.13 0.26 0.40 0.53 0.66 0.79 0.92 1.06 ch field parameter METHOD DEVI	Water Level (ft TIC)  7.57  1.67  7.73  7.79  7.87  7.87  1.88  er (three consecutions	7.56 7.30 7.35 7.35 7.37 7.35 7.37 7.35	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond.   (ImS/cm)   [3%]"	Turbidity (NTU) [10% or 1 NTU]  6  6  7  5  5  5  5  4  Buffe	DO P 70  (mg/l)  [10% or 0.1 mg/l]   /2-60  8.84  8.38  7.94  7.84  7.84  7.50  column heading.	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1
Thme  12:05  12:15  12:15  12:20  12:25  12:30  12:30  The stabilization  To, 4,	Pump Rate (Limin.) 100 ml	Total Gallons Removed 0.13 0.26 0.40 0.53 0.66 0.79 0.92 1.06 ch field parameter METHOD DEVI	### Company   Water   Level   (ft TIC)   7.57   7.67   7.79   7.92   7.87   7.87   7.88   Ft.   Water   Water	7.56 7.30 7.35 7.35 7.37 7.35 7.37 7.35	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond.   (ImS/cm)   [3%]"	Turbidity (NTU) [10% or 1 NTU]  6  6  7  5  5  5  5  4  Buffe	DO P 70  (mg/l)  [10% or 0.1 mg/l]   /2-60  8.84  8.38  7.94  7.84  7.84  7.50  column heading.  Reading	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1
Time	Pump Rate (Limin.) 100 ml	Total Gallons Removed 0.13 0.26 0.40 0.53 0.66 0.79 0.92 1.06 ch field parameter METHOD DEVI	### Company   Water	7.56 7.30 7.35 7.35 7.37 7.35 7.37 7.35	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond.   (ImS/cm)   [3%]"	Turbidity (NTU) [10% or 1 NTU]  6  6  7  5  5  5  5  4  Buffe	DO P 70  (mg/l)  [10% or 0.1 mg/l]   /2-60  8.84  8.38  7.94  7.84  7.84  7.50  column heading.  Reading	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1
Time	Pump Rate (Limin.) 100 ml	Total Gailons Removed 0.13 0.26 0.40 0.53 0.66 0.92 1.06 ch field parameter fi	### Company   Water	7.56 7.30 7.35 7.35 7.37 7.35 7.37 7.35	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond.   (ImS/cm)   [3%]"	Househ of Turbidity (NTU) (10% or 1 NTU) 6 6 7 5 5 5 5 48) is listed in each 10 Buffer 7 Buffer	2100 P 70  DO (mg/l)  [10% or 0.1 mg/l]  12-60  8.84  8.38  7.94  7.84  7.84  7.60  7.50  column heading.  Rendin	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1
Time  12:05  12:50  12:15  12:20  12:20  12:20  12:30  12:30  12:30  The stabilization  To, the stabilization  SAMPLE DEST Laboratory: Delivered Via:	Pump Rate (Limin.)  100 ml  100 ml	Total Gailons Removed 0.13 0.26 0.40 0.53 0.66 0.92 1.06 ch field parameter fi	### Company   Water	7.56 7.30 7.35 7.35 7.37 7.35 7.37 7.35	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond.   (ImS/cm)   [3%]"	Househ of Turbidity (NTU) (10% or 1 NTU) 6 6 7 5 5 5 5 48) is listed in each 10 Buffer 7 Buffer	2100 P 70  DO (mg/l)  [10% or 0.1 mg/l]  12-60  8.84  8.38  7.94  7.84  7.84  7.60  7.50  column heading.  Rendin	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1
Time	Pump Rate (Limin.)  100 ml  100 ml	Total Gailons Removed 0.13 0.26 0.40 0.53 0.66 0.92 1.06 ch field parameter fi	### Company   Water	7.56 7.30 7.35 7.35 7.44 7.24 utive readings of the state	6.95 6.95 6.95 6.72 6.87 7.31 7.39 7.42 collected at 3- to	#2   Sp. Cond.   (ImS/cm)   [3%]"	Turbidity (NTU) [10% or 1 NTU] 6 6 7 5 5 5 5 48) is listed in each 10 Auffer 2 Buffer	2100 P 70  DO (mg/l)  [10% or 0.1 mg/l]  12-60  8.84  8.38  7.94  7.84  7.84  7.60  7.50  column heading.  Rendin	ORP (mV) [10 mV]* 178.1 176.0 156.3 130.3 116.8 112.8 110.1

Well No.	139R
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Site Name <u>CF</u> P; Hs field - CMA-1

Sampling Personnel <u>CAR</u>

Date <u>Y/3/08</u>

Weather <u>Junny</u>, 40-450F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV
12.45	100ml	1.19	7.91	7.21	7.45	0.544	6	7.29	109.
2:50	100m)	1.32	7.93	7.23	7.48	0.544	<u>5</u>	7-01	109.
2:55	100ml	1.45	7.95	7 24	7.48	0.543	5	6.82	111.8
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									·····
	***************************************								
									······

	<del>▼</del>	,
OBSERVATIONS/SAMPLING METHOD DEVIATIONS		
THE RESIDENCE OF THE PROPERTY		

Kay		MA1-6			Sale/GIMA N		PITTOFIE	ひり~(ラバリ	41
•				s	empling Persor				<del></del>
	Background (				ū	ate 4/17/			
Wei	l Hendepace ()	ppm)	·····		West				
WELL INF	ORMATION	A					Sample T	ine 1510	<b>)</b>
Refer	ence Point Ma	rked? 🕢 !	N				Sample		
H <del>oi</del> gh	t of Reference	Point	Meas. F	rom Groun	J		Duplicate		
	Well Diam		*****				MSAM	*****	
So	roen Interval D			om Ground	] 		Split Sample		······
	Water Table D			om TIL			•	·	<del></del>
	Well D		, Moss. Fr	om TIC		Required	Analy!	ical Parameters:	Collected
	th of Water Col		allons			( <b>#</b> )	VC	Cs (Std. list)	( 146 )
	me of Water in http://www.tu	<del></del>		711		(×1	vo	Cs (Exp. liet)	(×)
andered Catal	rui Oi Fukisperiu	ung <u> </u>	Meas. Fro	om <u>776</u>		( )		SVOC#	( )
Reference P	oint identificati	oo:				{ }	PC	CBs (Total)	( )
	Inner (PVC) Co					(×)	PCB	s (Dissolved)	( 🚧 )
	Outer (Protect					( )		norganics (Total)	( )
	Ground Surfac					( )		ganics (Dissolved)	( )
						( )		wide (Dissolved)	( )
Redevelop?	Y (4)					( )		unide (Dissalved)	( )
						( )		DDs/PCDFs	( )
						( )		tes/Herbicides	( )
						( )		el Attenuation er (Specify)	( )
	Water Remove lici Weil Go Dry "- Water Quality	a v (b)	-Ogullons			octed by same m	ethod ass evacuati	on? (Y) N (spe	cifv)
		27 (-7:	Coulen 14th Liness:	73/-3	56 MP	3 H	ach 2100	OP Tung,	-,
Time	Pump	Total	Water	Temp.	J6MP pH	J Ho	Turbidity	DO TUS,	-,
Time	Rate	Total Gallone	Water Level	Temp. (Celsius)	На	,	γ	<del> </del>	dinete
	Rate  //\(L/min.)	Total Gallone Removed	Water Level (ft TIC)	Temp.	1	Sp. Cond.	Turbidity	DO (mg/l)	ORP (mV)
1409	Rate M(L/min.) 200	Total Gaffone Removed	Water Level (ft TIC) 7.8	Temp. (Celsius)	На	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
1409 1414	Rate #\(\(\mu\)min.\) 200 200	Total Gallone Removed 0.48 0.74	Water Level (R TIC) 7.81	Temp. (Celsius)	На	,3p. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l)	ORP (mV)
1409 1414 1419	Rate  #\(Umin.)  200  200  200	Total Gallone Removed 0-48 0-74 /-00	Water Level (R TIC) 7.81 7.89 7.89	Temp. (Celsius)	На	.Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] 3/7	DO (mg/l)	ORP (mV)
1409 1414 1419 1424	Rate #\(L/min.) 200 200 200 200 200	Total Gailone Removed 0.48 0.74 1.00 1.27	Water Level (ft TIC) 7.81 7.89 7.89 7.91	Temp. (Celsius)	На	Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) [10% or 1 NTUP 3/7 /95	DO (mg/l)	ORP (mV)
1409 1414 1419 1424 434	Rate M(L/min.) 200 200 200 200 200 200 200	Total Gallone Removed 0-48 0-74 /-00	Water Level (RTIC) 7.81 7.89 7.89 7.91	Temp. (Celsius)	На	Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) (10% or 1 NTU) 3/7 /95	DO (mg/l)	ORP (mV)
1409 1414 1419 1424 1434	Rate #\(L/min.) 200 200 200 200 200	Total Gailone Removed 0.48 0.74 1.00 1.27	Water Level (ft TIC) 7.81 7.89 7.91 7.89 7.86	Temp. (Celeius) (3%)*	pH (0.1 units)*	.9p. Cond. (ms/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
1409 1414 1419 1424	Rate M(L/min.) 200 200 200 200 200 200 200	Total Gallone Removed 0.48 0.74 /-00 /-27	Water Level (RTIC) 7.81 7.89 7.89 7.91	Temp. (Celaius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) 3/7 /95 70 33	DO (mg/l) [10% or 0.1 mg/l] 0.61 0.45	ORP (mv) [10 mv]
1409 1414 1419 1424 1434 1439 1444 449	Rate //(L/min.) 200 200 200 200 200 200 200 200	Total Gallone Removed 0.48 0.74 /.00 /.27 1.80 2.06 2.32 2.59	7.89 7.89 7.89 7.89 7.89 7.89 7.89 7.86 7.87	Temp. (Celaius) [3%]*	(0.1 units)*	[.3p. Cond. (ms/cm) [3%]*  1.789 1.796 1.813	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33 19 12 /0 %	00 (mg/l) [10% or 0.1 mg/l] ————————————————————————————————————	ORP (mV) [10 mV]
1409 1414 1419 424 434 439 444 449	Rate #/(L/min.) 200 200 200 200 200 200 200 200 1 critoria for ea	Total Gallone Removed 0.48 0.74 /.00 /.27 1.80 2.06 2.32 2.59	Water Level (RTIC) 7.81 7.89 7.89 7.91 7.86 7.87 7.87	Temp. (Celaius) [3%]*	(0.1 units)*	[.3p. Cond. (ms/cm) [3%]*  1.789 1.796 1.813	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33 19 12	00 (mg/l) [10% or 0.1 mg/l] ————————————————————————————————————	ORP (mv) [10 mv]*
1409 1414 1419 1424 434 439 444 449	Rate #/(L/min.) 200 200 200 200 200 200 200 200 1 critoria for ea	Total Gallone Removed  0.48  0.74  1.00  1.27  1.80  2.06  2.32  2.59  ch field paramete	Water Level (RTIC) 7.81 7.89 7.89 7.91 7.86 7.87 7.87	Temp. (Celaius) [3%]*	(0.1 units)*	[.3p. Cond. (ms/cm) [3%]*  1.789 1.796 1.813	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33 19 12 /0 %	00 (mg/l) [10% or 0.1 mg/l] ————————————————————————————————————	ORP (mV) [10 mV]
1409 1414 1419 1424 434 439 444 449 In stabilization	Rate M(L/min.) 200 200 200 200 200 200 200 200 200 300 critoria for ea	Total Gallone Removed  0.48  0.74  1.00  1.27  1.80  2.06  2.32  2.59  ch field paramete	Water Level (RTIC) 7.81 7.89 7.89 7.91 7.86 7.87 7.87	Temp. (Celaius) [3%]*	(0.1 units)*	[.3p. Cond. (ms/cm) [3%]*  1.789 1.796 1.813	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33 19 12 /0 %	00 (mg/l) [10% or 0.1 mg/l] ————————————————————————————————————	ORP (mV) [10 mV]
1409 1414 1419 424 434 439 444 449 In stabilization	Rate  #\(L/min.)  200  200  200  200  200  200  200  2	Total Gallone Removed  0.48  0.74  1.00  1.27  1.80  2.06  2.32  2.59  ch field paramete	Water Level (RTIC) 7.81 7.89 7.89 7.91 7.86 7.87 7.87	Temp. (Celaius) [3%]*	(0.1 units)*	[.3p. Cond. (ms/cm) [3%]*  1.789 1.796 1.813	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33 19 12 /0 %	00 (mg/l) [10% or 0.1 mg/l] ————————————————————————————————————	ORP (mV) [10 mV]
1409 1414 1419 1424 434 1439 444 449 10 stabilization SERVATIONS	Rate  #\(L/min.)  200  200  200  200  200  200  200  1 criteria for easis/SAMPLING I	Total Gallone Removed  0.48  0.74  1.00  1.27  1.80  2.06  2.32  2.59  ch field paramete	Water Level (RTIC) 7.81 7.89 7.89 7.91 7.86 7.87 7.87	Temp. (Celaius) [3%]*	(0.1 units)*	[.3p. Cond. (ms/cm) [3%]*  1.789 1.796 1.813	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33 19 12 /0 %	00 (mg/l) [10% or 0.1 mg/l] ————————————————————————————————————	ORP (mV) [10 mV]
1409 1414 1419 1424 1439 1439 1444 149 10 stabilization SERVATIONS	Rate  #\(L/min.)  200  200  200  200  200  200  200  2	Total Gallone Removed  0.48  0.74  1.00  1.27  1.80  2.06  2.32  2.59  ch field paramete	Water Level (RTIC) 7.81 7.89 7.89 7.91 7.86 7.87 7.87	Temp. (Celaius) [3%]*	(0.1 units)*	[.3p. Cond. (ms/cm) [3%]*  1.789 1.796 1.813	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33 19 12 /0 %	00 (mg/l) [10% or 0.1 mg/l] ————————————————————————————————————	ORP (mV) [10 mV]
1409 1414 1419 424 439 444 449 le stabilization SERVATIONS	Rate  #\(L/min.)  200  200  200  200  200  200  200  2	Total Gallone Removed  0.48  0.74  1.00  1.27  1.80  2.06  2.32  2.59  ch field paramete	Water Level (RTIC) 7.81 7.89 7.89 7.91 7.86 7.87 7.87	Temp. (Celaius) (3%)*	(0.1 units)*	.9p. Cond. (Inskem) (3%)*	Turbidity (NTU) [10% or 1 NTU] 3/7 /95 70 33 19 12 /0 %	00 (mg/l) [10% or 0.1 mg/l] ————————————————————————————————————	ORP (mV) [10 mV]

C:WORKGGEGranduniar/554196Allactumen(C).

GMA1-6

### **GROUNDWATER SAMPLING LOG**

· (2)	Well No. GMAI - 6	Site/GMA Name	GE PITTSPIELD
×82.48.1		Sampling Personnel	DRA RAS
		Date	4/17/08
		Weather	SUNNY 75°

WELL INFORMATION - See Page 1

15:04 200 338 7.38 14.35 6.74 1.331 7 0.26 -47.5	WEEL IN OR	<del></del>		1	1	T	<del></del>	1:		
(L/min.)   Removed (n. TIC)   (9%)   (0.1 units)   (19%)   (10% of 1 ma)   (10 miy)   (10 miy)	<b>-</b>	1	1	I .	1	pН	1	-	i	ORP
14:54 200 2:85 7.88 14.45 6.74 1.834 8 0.34 -44.6  14:549 200 3:12 7.86 14:30 6:74 1.836 8 0.37 -46.6  15:04 200 3:85 7.87 14:35 6.74 1.831 7 0.36 -47.5  15:09 200 3:65 7.87 14:38 6.74 1.832 7 0.38 -47.6  SAMPLE TRIVIN AT 15:10	1 Ime	i	1	1						
14.5 19 200 3.12 7.86 14.30 6.74 1.526 8 0.27 -46.0 15:04 200 3.88 7.87 14.35 6.74 1.531 7 0.26 -47.5 15:09 200 3.65 7.87 14.38 6.74 1.522 7 0.28 -47.6 15:09 200 3.65 7.87 14.38 6.74 1.522 7 0.28 -47.6	333.6633		†							
15:04 200 3.65 7.88 14.35 6.74 1.331 7 0.26 -47.5 15:09 200 3.65 7.87 14.38 6.74 1.822 7 0.28 -47.6  SAMPLE TRACK OF 15:10			1			6,14	1.294	78	0.34	-44.0
15:04 200 3.85 7.88 14.35 6.74 1.831 7 0.26 -47.6 15:09 200 3.65 7.87 14.38 6.74 1.822 7 0.28 -47.6  SAMPLE TRANSL AT 15:10		300	3.12	7.86		6.74	1.826	8	0.27	-46.0
15:09 200 3.65 7.87 14:38 6.74 1.822 7 0.28 -47.6  SAMPLE TRANS. IT 15:10	15:04	$\mathfrak{S} \mathcal{D}$	3.38	7.88	14,35	6.74	1.831	7	0.26	-47,5
Sample Taken of 15:10	15:09			7.87	14.38	6.74	1.233	7		
	SAM	PLE TA	MON E	T 15						
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<ul> <li>The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.</li> </ul>
OBSERVATIONS/SAMPLING METHOD DEVIATIONS



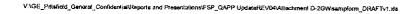
. Kay N	No. <u>(5 M</u>			<del></del>	Site/GNLA Nam	······	JW/H T		
-			<del></del>	\$4	impling Personn	<b>-</b>	PLAMP		
	lackground (pp		······································		Da	<b>.</b> 4	117108		·····
Weil I	Headspace (pp	xm)	*		Weath	# <u>Sil</u>	100V, 7	16°s (9°1	<del></del>
	<b>Missa ba</b>						7		
MELL INFO							Sample 11	me :52	22_
	nce Point Mark	~ \ / .	<b>'</b> _/	0		*	Sample	ID GMAI	- 18
Height o	of Reference Pr	- 77	Meas. Fr	om $P \le $	<u> </u>		Duplicate		
	Well Diame		<del>,</del>				MSM		
	een Interval De		-	om <u>FX-S</u>			Split Sample		
٧	Nator Table De			omm	es <u>*</u>		,	<del></del>	
1	Well De		Mons. Fr	om <u> </u>	<u> </u>	Required	Anelyt	cal Parameters:	Collected
	of Water Colu	····	0			( )		Cs (Std. fist)	( )
	e of Water in W		<del></del>			( )	, voi	Ca (Exp. list)	( )
make Cobs	h of Pump/Tubi	ng	<u>)                                    </u>	mm	<u></u>	( )		SVOCs	( )
oforman Ca	nina dalamanna ar					( )	PC	Sa (Total)	( )
	and identification					$(\times)$	PCB	s (Dissolved)	(V)
	nner (PVC) Cas					( )	Metals/I	rorganics (Total)	
	Outer (Protectiv					( )		ganics (Dissolved)	( )
-uwbu3; (	Ground Surface					( )		nide (Dissolved)	( )
develop?	· (3)					( )		nide (Dissolved)	( )
∽esesOb (						( )		Ds/PCDFs	( )
						( )	Pesticio	les/Herbicides	( )
		1. ~				( )		Attenuation	( )
ACHATION	INFORMATIO	. 1418	6			( )	Othe	r (Specify)	( )
		. / ^.	(Ur)						` ,
	ump Start Time		7						
	ump Stop Time		714	ŧ	Evacuation Me	thod: Bailer	( ) Bladder	Pump (C)	
	ites of Pumping Vater Removed		= 1 2	11.	Peristatic Pum		ibmersible Pump		pecify ( )
	valer Kemoved d Well Go Dry?		2.09	ution :	Pump Type:	Syste		Laca	<i>,</i> , ,
UK	u was Go Dry /	Y (11)	•		Samples collect	ted by same m	othod as evacuation	n7 Y N (spec	:ifv)
•	Water Quality &	Aster Type(s) / S	Sorial Numbers:	HACH	TURBI	DALE SE	e W:	AUHW	
1944-1944				755			<u> </u>		50 0 65
1	Pump	Total	Water	YS5	MPSS	56	SNIO	30039	2 AF
Time	Pump Rate	·	Water Level	Temp.		SC Sp. Cond.	Turbidity	30039	ORP
		Total	1	Temp.	MPSS	Sp. Cond. (mS/cm)	Turbidity (NTU)	30039 00 (mg/l)	ORP (mV)
	Rate	Total Gallons	Lovel	Temp. (Celsius)	MPS S	\$5.0 \$p. Cond. (m\$/cm) (3%)*	Turbidity (NTU) [10% or 1 NTU]	30039	ORP
	Rate	Total Gallons Removed	(R TIC) 5-22	Temp. (Celsius)	MPS S	Sp. Cond. (mS/cm)	Turbidity (NTU)	30039 00 (mg/l)	ORP (mV)
	Rate	Total Gallons	Lovel	Temp. (Celsius)	MPS S	\$5.0 \$p. Cond. (m\$/cm) (3%)*	Turbidity (NTU) [10% or 1 NTU]	30029 00 (mg/l) (10% or 0.1 mg/l)*	ORP (mV)
	Rate	Total Gallone Removed	Lovel (R TIC) 5-22 5-33	Temp. (Celsius)	(0.1 units)*	50 Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) [10% or 1 NTU]*  5	30029 00 (mg/l) (10% or 0.1 mg/l*	ORP (mV)
	Rate	Total Gallons Removed O. 224	1.0vol (R TIC) 5.22 5.33 5.36	Temp. (Geleius) [3%]* 	(0.1 units)*  7.53  7.54	5.6 Sp. Cond. (mS/cm) (3%) 	Turbidity (NTU) [10% or 1 NTU]	30029 00 (mg/l) (10% or 0.1 mg/l)*	ORP (mV)
	Rate	Total Gallone Removed	Lovel (R TIC) 5-22 5-33	Temp. (Celsius)	(0.1 units)*  7.53  7.54	50 Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) [10% or 1 NTU]*  5	30029 00 (mg/l) (10% or 0.1 mg/l*	ORP (mV) [10 mV]*
	Rate	Total Gallons Removed O.224 0.354 0.489	1.0vol (RTIC) 5.22 5.33 5.36 5.37	Temp. (Geleius) [3%]* 	(0.1 units)*  7.53  7.54	5.6 Sp. Cond. (mS/cm) (3%) 	Turbidity (NTU) [10% or 1 NTU]*  5	30029 00 (mg/l) (10% or 0.1 mg/l*	ORP (mV) [10 mV]* I (d, 8 I (4.7 I (3.8
	Rate (+(L/min.) 50 75 /00 /00 /00	Total Gallons Removed O.024 0.234 0.354 0.489 0.481	5.22 5.33 5.36 5.37 5.37	Temp. (Geleius) [3%]* 	(0.1 units)*  7.53  7.54	5.6 Sp. Cond. (mS/cm) (3%) 	5N: O Turbidity (NTU) [10% or 1 NTU] 5 4(0 52 52 37	30029 00 (mg/l) (10% or 0.1 mg/l*	ORP (mV) [10 mV]*
	Rate (-(L/min.) 50 75 /00 /00 /00	Total Gallone Removed OD-10 O-254 O-354 O-489 O-621 o-753	5.22 5.33 5.36 5.37 5.37 5.37	Temp. (Geleius) [3%]* 	(0.1 units)*  7.53  7.54	5.6 Sp. Cond. (mS/cm) (3%) 	5N: O Turbidity (NTU) [10% or 1 NTU] 5 4(0 52 52 37	30029 00 (mg/l) (10% or 0.1 mg/l*	2 Af- ORP (mV) [10 mV]* I (d, 8 I (SI.7 I (B3.8 I (GI.2
	Rate (-(L/min.) 50 75 /00 /00 /00	Total Gallone Removed OD-10 O-254 O-354 O-489 O-621 o-753	5.22 5.33 5.36 5.37 5.37	Temp. (Geleius) [3%]* 	(0.1 units)*  7.53  7.54	5.6 ,sp. Cond. (ms/cm) (3%f* 0.493 0.491 0.491	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26	30029 00 (mg/l) (10% or 0.1 mg/l*	ORP (mV) [10 mV]* I (J, 8 I (G, 7 I (B, 8 I (G, 2 I (G, 2 I (G, 2
	Rate (-(L/min.) 50 75 /00 /00 /00	Total Gallons Removed O.024 0.234 0.354 0.489 0.481	5.22 5.33 5.36 5.37 5.37 5.37	Temp. (Geleius) [3%]* 	MPSS pH i0.1 units = 7.53 7.54 7.60 7.64 1.49 7.75	5.6 ,sp. Cond. (ms/cm) (3%f* 0.493 0.491 0.491 0.491 0.491	5N: O Turbidity (NTU) [10% or 1 NTU]* 5 4(0 52 58 37 26 1(6)	2 COX 9 00 (mg/l) (10% or 0.1 mg/l)*  7, 97 929 926 9-29	2 Af- ORP (mV) [10 mV]* I (d, 8 I (SI.7 I (B3.8 I (GI.2
120 430 435 440 445 150 (55	Rate (+(1/min.) 50 75 /00 100 /00 /00 /00 /00	Total Gallone Removed O.294 O.354 O.489 O.489 O.621 o.753 O.885	5.22 5.33 5.36 5.37 5.37 5.37 5.37 5.48 5.48	Temp. (Geleius) [3%]*   11.77  11.05  10.63  10.39  10.14  9.74  1.78	MPSS pH (0.1 units)* 7.53 7.54 7.60 7.64 1.75 (7.78)	5.6 ,3p. Cond. (mS/cm) [3%]* 0.49.2 0.49.2 0.49.1 0.49.1 0.49.6 3.49.6 3.49.6	5N: O Turbidity (NTU) [10% or 1 NTUP 5 46 52 52 58 37 26 16	20039 000 (mg/l) (10% or 0.1 mg/l)* 7.97 9.29 7.26 9.12 9.12	2 Af- ORP (mV) [10 mV]* 1 (61.8 1 (69.7 1 (63.8 1 (64.2 154.3 137.9
120 430 435 440 445 450 (55	Rate (+(L/min.) 50 75 / CO / C	Total Gallons Removed 0,0940 0,294 0,354 0,489 0,489 0,621 0,753 0,885	Level (R TIC) 5-22 5-33 5-36 5-37 5-37 5-37 5-37 5-37	Temp. (Geleius) [3%]*   11.77  11.05  10.63  10.39  10.14  9.74  1.78	MPSS pH (0.1 units)* 7.53 7.54 7.60 7.64 1.75 (7.78)	5.6 ,3p. Cond. (mS/cm) [3%]* 0.49.2 0.49.2 0.49.1 0.49.1 0.49.6 3.49.6 3.49.6	5N: O Turbidity (NTU) [10% or 1 NTUP 5 46 52 52 58 37 26 16	20039 000 (mg/l) (10% or 0.1 mg/l)* 7.97 9.29 7.26 9.12 9.12	ORP (mV) [10 mV]* I (J, 8 I (G, 7 I (B, 8 I (G, 2 I (G, 2 I (G, 2
120 430 435 440 445 450 (55 500	Rate (+(L/min.) 50 75 / CO / C	Total Gallone Removed O.294 O.354 O.489 O.489 O.621 o.753 O.885	Level (R TIC) 5-22 5-33 5-36 5-37 5-37 5-37 5-37 5-37	Temp. (Geleius) [3%]*   11.77  11.05  10.63  10.39  10.14  9.74  1.78	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 450 (55 500	Rate (+(L/min.) 50 75 / CO / C	Total Gallons Removed 0,0940 0,294 0,354 0,489 0,489 0,621 0,753 0,885	Level (R TIC) 5-22 5-33 5-36 5-37 5-37 5-37 5-37 5-37	Temp. (Goldius) 13%)*  11. 77  11. 75  10. 63  10.39  10.14  9.74  7.78  Ither readings co	MPSS pH (0.1 units)* 7.53 7.54 7.60 7.64 1.75 (7.78)	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039 000 (mg/l) (10% or 0.1 mg/l)* 7.97 9.29 7.26 9.12 9.12	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 450 (55 500	Rate (+(L/min.) 50 75 /00 /00 /00 /00 /00 /00 /00 /00 /00 /0	Total Gallons Removed 0,0940 0,294 0,354 0,489 0,489 0,621 0,753 0,885	Level (R TIC) 5-22 5-33 5-36 5-37 5-37 5-37 5-37 5-37	Temp. (Goldius) 13%)*  11. 77  11. 75  10. 63  10.39  10.14  9.74  7.78  Ither readings co	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 450 (55 500	Rate (+(L/min.) 50 75 /00 /00 /00 /00 /00 /00 /00 /00 /00 /0	Total Gallons Removed 0,0940 0,294 0,354 0,489 0,489 0,621 0,753 0,885	Level (R TIC) 5.22 5.33 5.36 5.37 5.37 5.37 5.48 5.48 5.48 tr (three consecutions	Temp. (Goldius) 13%)*  11. 77  11. 75  10. 63  10.39  10.14  9.74  7.78  Ither readings co	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 450 (55 500 stabilization RVATIONS	Rate (+(L/min.) 50 75 /00 /00 /00 /00 /00 /00 /00 /00 /00 /0	Total Gallons Removed 0,0940 0,294 0,354 0,489 0,489 0,621 0,753 0,885	Level (R TIC) 5.22 5.33 5.36 5.37 5.37 5.37 5.48 5.48 5.48 tr (three consecutions	Temp. (Goldius) 13%)*  11. 77  11. 75  10. 63  10.39  10.14  9.74  7.78  Ither readings co	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 455 (55 (55) (55)	Rate (+(L/min.) 50 75 / CO / C	Total Gallons Removed  0.09-(0.00-0.20-4.00.35-4.0.48-9.00.48-5.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1	Level (R TIC) 5.22 5.33 5.36 5.37 5.37 5.37 5.48 5.48 5.48 tr (three consecutions	Temp. (Goldius) 13%)*  11. 77  11. 75  10. 63  10.39  10.14  9.74  7.78  Ither readings co	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 450 (55 Stabilization RVATIONS 2 ured	Rate (+(L/min.) 50 75 /CO /CO /OO /OO /CO criteria for each /SAMPLING M	Total Gallons Removed  0.09-(0.00-0.20-4.00.35-4.0.48-9.00.48-5.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1	Level (R TIC) 5.22 5.33 5.36 5.37 5.37 5.37 5.48 5.48 5.48 tr (three consecutions	Temp. (Goldius) 13%)*  11. 77  11. 75  10. 63  10.39  10.14  9.74  7.78  Ither readings co	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 450 (55 500) Stabilization RVATIONS Cured	Rate (HUmin.) 50 75 /CO	Total Gallons Removed  0.09-(0.00-0.20-4.00.35-4.0.48-9.00.48-5.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1	Level (R TIC) 5.22 5.33 5.36 5.37 5.37 5.37 5.48 5.48 5.48 tr (three consecutions	Temp. (Goldius) 13%)*  11. 77  11. 75  10. 63  10.39  10.14  9.74  7.78  Ither readings co	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 455 555 550 80 80 80 80 80 80 80 80 80 80 80 80 80	Rate (+(L/min.) 50 75 /CO /CO /OO /OO /CO criteria for each /SAMPLING M	Total Gallons Removed  0.09-(0.00-0.20-4.00.35-4.0.48-9.00.48-5.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1	Level (R TIC) 5.22 5.33 5.36 5.37 5.37 5.37 5.48 5.48 5.48 tr (three consecutions	Temp. (Goldius) 13%)*  11. 77  11. 75  10. 63  10.39  10.14  9.74  7.78  Ither readings co	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	5.6 ,sp. Cond. (ms/cm) [3%]* 0.473 0.491 0.491 0.491 0.493 0.496 0.496	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (
120 430 435 440 445 450 (55 600) Stabilization RVATIONS 2 uned	Rate (HUmin.) 50 75 /CO	Total Gallons Removed  0.09-(0.00-0.20-4.00.35-4.0.48-9.00.48-5.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1.01-8.1	Level (R TIC) 5.22 5.33 5.36 5.37 5.37 5.37 5.48 5.48 5.48 tr (three consecutions	Temp. (Goldius) 13%1"  11. 77  11. 75  10. 63  10. 39  10. 14  9.74  7.78  Ither resultings co	M PS S pH (0.1 units)* 7.53 7.54 7.60 7.64 1.10 7.75 (0.1) 7.68 (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0	50 ,sp. Cond. (ms/cm) [3%]* 0.493 0.491 0.491 0.493 0.494 0.494 0.494	Turbidity (NTU) [10% or 1 NTUP  5 46 52 58 37 26 16 12	20039  000 (mg/l) (10% or 0.1 mg/l)*  7.97  9.27  9.29  9.12  9.12  9.02  20umn heaging.	ORP (mV) [10 mV]* I (J, 8 I (S, 7 I (B, 2 I (

Well No(	Site/GMA Name	(5MA)
	Sampling Personnel	JAP/AMB
	Date	41/108
	Weather	Siknay High 70°s

WELL INFORMATION - See Page 1

Time	Pump Rate ((i_/min.)	Total Gallons Removed	Water Level (ft TIC)	<sup>y</sup> Temp. (Celsius) [3%]*	pH [0.1 units]*	^ Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	X DO (mg/l) [10% or 0.1 mg/l]*	> ORP (mV) [10 mV]*
1505	100	1.150	5,50	9.77	7.98	6.497	7	7.04	111.8
1510	(00	1,283	5,50	9.78	7.79	0.498	8	8 79	1/2.3
1515	100	1.415	5.50	9.83	7.84	0.498	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	8.90	11a.a
1520	190	1,547	5,50		7.78	0.498		8.83	109.4
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The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS



# **ARCADIS**

## Appendix B

Groundwater Analytical Results

Table B-1 Spring 2008 Groundwater Analytical Results

Volatile Organics 1,1,1,2-Tetrachloroett 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,1-Dichloroethane		RF-02 04/10/08	139R 04/03/08	72R 04/17/08	GMA1-18 04/17/08
Volatile Organics 1,1,1,2-Tetrachloroett 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroett 1,1,2-Trichloroethane	nane	NA	04/03/08	04/17/08	04/17/08
1,1,1,2-Tetrachloroeth 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroeth 1,1,2-Trichloroethane					
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroeth 1,1,2-Trichloroethane					
1,1,2,2-Tetrachloroeth 1,1,2-Trichloroethane	nane		NA	ND(0.0010) [ND(0.0010)]	NA NA
1,1,2-Trichloroethane	nane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
_ , ,		NA	NA	ND(0.0010) [ND(0.0010)]	NA
I1 1-Dichloroethane		NA	NA	ND(0.0010) [ND(0.0010)]	NA
		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2,3-Trichloropropan		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dibromo-3-chloro	oropane	NA	NA	ND(0.0050) J [ND(0.0050) J]	NA
1,2-Dibromoethane		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloroethane		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloropropane		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,4-Dioxane		NA	NA	ND(0.10) J [ND(0.10) J]	NA
2-Butanone		NA	NA	ND(0.0050) J [ND(0.0050) J]	NA
2-Chloro-1,3-butadier		NA	NA	ND(0.0010) [ND(0.0010)]	NA
2-Chloroethylvinylethe	er	NA	NA	R [ND(0.013) J]	NA
2-Hexanone		NA	NA	ND(0.0050) [ND(0.0050)]	NA
3-Chloropropene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
4-Methyl-2-pentanone	)	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Acetone		NA	NA	ND(0.0050) J [ND(0.0050) J]	NA
Acetonitrile		NA	NA	ND(0.020) J [ND(0.020) J]	NA
Acrolein		NA	NA	ND(0.025) J [ND(0.025) J]	NA
Acrylonitrile		NA	NA	ND(0.025) J [ND(0.025) J]	NA
Benzene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Bromodichloromethar	ie	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Bromoform		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Bromomethane		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Carbon Disulfide		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Carbon Tetrachloride		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chlorobenzene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroethane		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroform		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloromethane		NA	NA	ND(0.0010) J [ND(0.0010) J]	NA
cis-1,3-Dichloroprope		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Dibromochloromethar	ne	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Dibromomethane		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Dichlorodifluorometha	ne	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Ethyl Methacrylate		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Ethylbenzene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Iodomethane		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Isobutanol		NA	NA	ND(0.050) J [ND(0.050) J]	NA
Methacrylonitrile		NA	NA	ND(0.010) J [ND(0.010) J]	NA
Methyl Methacrylate		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Methylene Chloride		NA	NA	ND(0.0050) [ND(0.0050)]	NA
Propionitrile		NA	NA	ND(0.020) J [ND(0.020) J]	NA
Styrene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Tetrachloroethene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Toluene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,2-Dichloroethe		NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,3-Dichloropro		NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,4-Dichloro-2-b	utene	NA	NA	ND(0.0050) J [ND(0.0050) J]	NA
Trichloroethene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Trichlorofluoromethar	е	NA	NA	ND(0.0010) J [ND(0.0010) J]	NA
Vinyl Acetate		NA	NA	ND(0.0025) [ND(0.0025)]	NA
Vinyl Chloride		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Xylenes (total)		NA	NA	ND(0.0010) [ND(0.0010)]	NA
Total VOCs		NA	NA	ND(0.10) [ND(0.10)]	NA

Table B-1 Spring 2008 Groundwater Analytical Results

Site II	D: 30s Complex	East St. Area 1 - South				
Sample II	D: RF-02	139R	72R	GMA1-18		
Parameter Date Collected	d: 04/10/08	04/03/08	04/17/08	04/17/08		
PCBs-Filtered						
Aroclor-1016	ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)		
Aroclor-1221	ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)		
Aroclor-1232	ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)		
Aroclor-1242	ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)		
Aroclor-1248	ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)		
Aroclor-1254	ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)		
Aroclor-1260	ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)		
Total PCBs	ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)		
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA		
1,2,4-Trichlorobenzene	NA	NA	ND(0.0010) [ND(0.0010)]	NA		
1,2-Dichlorobenzene	NA	NA	ND(0.0010) [ND(0.0010)]	NA		
1,2-Diphenylhydrazine	NA	NA	NA NA	NA		
1,3,5-Trinitrobenzene	NA	NA	NA NA	NA		
1.3-Dichlorobenzene	NA NA	NA NA	ND(0.0010) [ND(0.0010)]	NA NA		
1,3-Dinitrobenzene	NA NA	NA NA	NA	NA NA		
1,4-Dichlorobenzene	NA NA	NA NA	ND(0.0010) [ND(0.0010)]	NA NA		
1,4-Naphthoquinone	NA NA	NA NA	NA	NA NA		
1-Naphthylamine	NA NA	NA NA	NA NA	NA NA		
2,3,4,6-Tetrachlorophenol	NA NA	NA NA	NA NA	NA NA		
2,4,5-Trichlorophenol	NA NA	NA NA	NA NA	NA NA		
2,4,6-Trichlorophenol	NA NA	NA NA	NA NA	NA NA		
2,4-Dichlorophenol	NA NA	NA NA	NA NA	NA NA		
2,4-Dichlorophenol	NA NA	NA NA	NA NA	NA NA		
2,4-Dinietriyiphenol	NA NA	NA NA	NA NA	NA NA		
2,4-Dinitrophenoi 2,4-Dinitrotoluene	NA NA	NA NA	NA NA	NA NA		
2,4-Diffitiotoliderie 2,6-Dichlorophenol	NA NA	NA NA	NA NA	NA NA		
2,6-Dictriorophenoi 2,6-Dinitrotoluene	NA NA	NA NA	NA NA	NA NA		
•		NA NA	NA NA			
2-Acetylaminofluorene	NA NA	NA NA	NA NA	NA NA		
2-Chloronaphthalene	NA NA			NA NA		
2-Chlorophenol	NA NA	NA NA	NA NA	NA NA		
2-Methylnaphthalene	NA NA	NA NA	NA NA	NA NA		
2-Methylphenol	NA	NA	NA NA	NA		
2-Naphthylamine	NA	NA	NA NA	NA NA		
2-Nitroaniline	NA	NA	NA	NA		
2-Nitrophenol	NA	NA	NA	NA		
2-Picoline	NA	NA	NA	NA		
3&4-Methylphenol	NA	NA	NA	NA		
3,3'-Dichlorobenzidine	NA	NA	NA	NA		
3,3'-Dimethylbenzidine	NA	NA	NA	NA		
3-Methylcholanthrene	NA	NA	NA	NA		
3-Nitroaniline	NA	NA	NA	NA		
1,6-Dinitro-2-methylphenol	NA	NA	NA	NA		
1-Aminobiphenyl	NA	NA	NA	NA		
1-Bromophenyl-phenylether	NA	NA	NA	NA		
4-Chloro-3-Methylphenol	NA	NA	NA	NA		
1-Chloroaniline	NA	NA	NA	NA		
1-Chlorobenzilate	NA	NA	NA	NA		
1-Chlorophenyl-phenylether	NA	NA	NA	NA		
1-Nitroaniline	NA	NA	NA	NA		
1-Nitrophenol	NA	NA	NA	NA		
1-Nitroquinoline-1-oxide	NA	NA	NA	NA		
1-Phenylenediamine	NA	NA	NA	NA		
5-Nitro-o-toluidine	NA	NA	NA	NA		
7,12-Dimethylbenz(a)anthracene	NA	NA	NA NA	NA		
a,a'-Dimethylphenethylamine	NA	NA	NA	NA		
Acenaphthene	NA NA	NA NA	NA NA	NA NA		
	1	• • •	. ** *			

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID:	30s Complex		East St. Area 1 - South	
Sample ID:	RF-02	139R	72R	GMA1-18
Parameter Date Collected:	04/10/08	04/03/08	04/17/08	04/17/08
Semivolatile Organics (continued)				
Acenaphthylene	NA	NA	NA NA	NA
Acetophenone	NA NA	NA NA	NA NA	NA NA
Aniline Anthracene	NA NA	NA NA	NA NA	NA NA
Aramite	NA NA	NA NA	NA NA	NA NA
Benzidine	NA NA	NA NA	NA NA	NA NA
Benzo(a)anthracene	NA NA	NA NA	NA NA	NA NA
Benzo(a)pyrene	NA	NA	NA NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA
Benzyl Alcohol	NA	NA	NA	NA
ois(2-Chloroethoxy)methane	NA	NA	NA	NA
ois(2-Chloroethyl)ether	NA	NA	NA NA	NA NA
ois(2-Chloroisopropyl)ether	NA	NA NA	NA NA	NA NA
ois(2-Ethylhexyl)phthalate	NA NA	NA NA	NA NA	NA NA
Butylbenzylphthalate	NA NA	NA NA	NA NA	NA NA
Chrysene Diallate	NA NA	NA NA	NA NA	NA NA
Dialiate Dibenzo(a.h)anthracene	NA NA	NA NA	NA NA	NA NA
Dibenzofuran	NA NA	NA NA	NA NA	NA NA
Diethylphthalate	NA NA	NA	NA NA	NA NA
Dimethylphthalate	NA NA	NA NA	NA NA	NA NA
Di-n-Butylphthalate	NA	NA	NA NA	NA
Di-n-Octylphthalate	NA	NA	NA	NA
Diphenylamine Diphenylamine	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	NA	NA NA	NA
Fluoranthene	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA NA	NA
Hexachlorobutadiene	NA	NA	NA NA	NA NA
-lexachlorocyclopentadiene	NA	NA NA	NA NA	NA NA
Hexachloroethane Hexachlorophene	NA NA	NA NA	NA NA	NA NA
Hexachloropropene	NA NA	NA NA	NA NA	NA NA
ndeno(1,2,3-cd)pyrene	NA NA	NA NA	NA NA	NA NA
sodrin	NA NA	NA NA	NA NA	NA NA
sophorone	NA NA	NA	NA NA	NA NA
sosafrole	NA NA	NA NA	NA NA	NA NA
Methapyrilene	NA	NA	NA NA	NA
Methyl Methanesulfonate	NA	NA	NA	NA
Naphthalene Naphthalene	NA	NA	ND(0.00010) [ND(0.00010)]	NA
Nitrobenzene	NA	NA	NA NA	NA
N-Nitrosodiethylamine	NA	NA	NA NA	NA
N-Nitrosodimethylamine	NA	NA	NA	NA
N-Nitroso-di-n-butylamine	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	NA	NA	NA NA	NA
N-Nitrosomethylethylamine	NA	NA NA	NA NA	NA NA
N-Nitrosomorpholine	NA NA	NA NA	NA NA	NA NA
N-Nitrosopiperidine N-Nitrosopyrrolidine	NA NA	NA NA	NA NA	NA NA
o,o,o-Triethylphosphorothioate	NA NA	NA NA	NA NA	NA NA
p-Toluidine	NA NA	NA NA	NA NA	NA NA
o-Dimethylaminoazobenzene	NA NA	NA NA	NA NA	NA NA
Pentachlorobenzene	NA NA	NA NA	NA NA	NA NA
Pentachloroethane	NA NA	NA NA	NA NA	NA NA
Pentachloronitrobenzene	NA NA	NA NA	NA NA	NA NA
Pentachlorophenol	NA NA	NA NA	NA NA	NA NA
Phenacetin	NA NA	NA NA	NA NA	NA NA
	NA	NA	NA NA	NA
Phenanthrene	11/7			

Table B-1 Spring 2008 Groundwater Analytical Results

	Site ID:	30s Complex		East St. Area 1 - South			
	Sample ID:	RF-02	139R	72R	GMA1-18		
Parameter	Date Collected:	04/10/08	04/03/08	04/17/08	04/17/08		
Pronamide		NA	NA	NA	NA		
Pyrene		NA	NA	NA	NA		
Pyridine		NA	NA	NA	NA		
Safrole		NA	NA	NA	NA		
Thionazin		NA	NA	NA	NA		
Inorganics-Filte	red						
Antimony		NA	NA	ND(0.0400) [ND(0.0400)]	NA		
Arsenic		NA	NA	ND(0.0100) J [ND(0.0100) J]	NA		
Barium		NA	NA	ND(0.100) [ND(0.100)]	NA		
Beryllium		NA	NA	ND(0.0100) [0.00161 B]	NA		
Cadmium		NA	NA	ND(0.0100) [ND(0.0100)]	NA		
Chromium		NA	NA	ND(0.0100) J [ND(0.0100) J]	NA		
Cobalt		NA	NA	ND(0.0100) [ND(0.0100)]	NA		
Copper		NA	NA	ND(0.0100) J [ND(0.0100) J]	NA		
Cyanide-MADEP	(PAC)	NA	NA	ND(0.00600) [ND(0.00600)]	NA		
Lead		NA	NA	ND(0.0100) J [ND(0.0100) J]	NA		
Mercury		NA	NA	ND(0.000285) [ND(0.000285)]	NA		
Nickel		NA	NA	ND(0.0100) J [ND(0.0100) J]	NA		
Selenium		NA	NA	ND(0.0200) [ND(0.0200)]	NA		
Silver		NA	NA	ND(0.0100) J [ND(0.0100) J]	NA		
Thallium		NA	NA	0.00961 J [0.0166 J]	NA		
Tin		NA	NA	ND(0.0100) J [ND(0.0100) J]	NA		
Vanadium		NA	NA	ND(0.0500) [ND(0.0500)]	NA		
Zinc		NA	NA	ND(0.0200) [ND(0.0200)]	NA		

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID		East St. Area 1 - South		rea 2 - North	East St. Area 2 - South	
_	Sample ID:	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14	
Parameter	Date Collected:	04/17/08	04/11/08	04/10/08	04/11/08	
Volatile Organic						
1,1,1,2-Tetrachlo		ND(0.0010)	NA	NA	ND(0.0010)	
1,1,1-Trichloroeth		ND(0.0010)	NA	NA	0.0042	
1,1,2,2-Tetrachlo		ND(0.0010)	NA	NA	ND(0.0010)	
1,1,2-Trichloroeth		ND(0.0010)	NA	NA	ND(0.0010)	
1,1-Dichloroethar		ND(0.0010)	NA	NA	0.0054	
1,1-Dichloroether		ND(0.0010)	NA	NA	0.00023 J	
1,2,3-Trichloropro		ND(0.0010)	NA	NA	ND(0.0010)	
1,2-Dibromo-3-ch		ND(0.0050) J	NA	NA	ND(0.0050) J	
1,2-Dibromoetha		ND(0.0010)	NA	NA	ND(0.0010)	
1,2-Dichloroethar	•	ND(0.0010)	NA	NA	ND(0.0010)	
1,2-Dichloropropa	ane	ND(0.0010)	NA	NA	ND(0.0010)	
1,4-Dioxane		ND(0.10) J	NA	NA	ND(0.10) J	
2-Butanone		ND(0.0050) J	NA	NA	ND(0.0050) J	
2-Chloro-1,3-buta		ND(0.0010)	NA	NA	ND(0.0010)	
2-Chloroethylviny	/lether	ND(0.013) J	NA	NA	ND(0.013) J	
2-Hexanone		ND(0.0050)	NA	NA	ND(0.0050)	
3-Chloropropene		ND(0.0010)	NA	NA	ND(0.0010)	
4-Methyl-2-penta	none	ND(0.0050)	NA	NA	ND(0.0050)	
Acetone		ND(0.0050) J	NA	NA	ND(0.0050) J	
Acetonitrile		ND(0.020) J	NA	NA	ND(0.020) J	
Acrolein		ND(0.025) J	NA	NA	ND(0.025) J	
Acrylonitrile		ND(0.025) J	NA	NA	ND(0.025) J	
Benzene		ND(0.0010)	NA	NA	0.00082 J	
Bromodichlorome	ethane	ND(0.0010)	NA	NA	ND(0.0010)	
Bromoform		ND(0.0010)	NA	NA	ND(0.0010)	
Bromomethane		ND(0.0010)	NA	NA	ND(0.0010)	
Carbon Disulfide		ND(0.0010)	NA	NA	ND(0.0010)	
Carbon Tetrachlo	oride	ND(0.0010)	NA	NA	ND(0.0010)	
Chlorobenzene		ND(0.0010)	NA	NA	ND(0.0010)	
Chloroethane		ND(0.0010)	NA	NA	ND(0.0010)	
Chloroform		ND(0.0010)	NA	NA	0.00064 J	
Chloromethane		ND(0.0010) J	NA	NA	ND(0.0010)	
cis-1,3-Dichlorop		ND(0.0010)	NA	NA	ND(0.0010)	
Dibromochlorome		ND(0.0010)	NA	NA	ND(0.0010)	
Dibromomethane		ND(0.0010)	NA	NA	ND(0.0010)	
Dichlorodifluorom		ND(0.0010)	NA	NA	ND(0.0010)	
Ethyl Methacrylat	te	ND(0.0010)	NA	NA	ND(0.0010)	
Ethylbenzene		ND(0.0010)	NA	NA	ND(0.0010)	
Iodomethane		ND(0.0010)	NA	NA	ND(0.0010)	
Isobutanol		ND(0.050) J	NA	NA	ND(0.050) J	
Methacrylonitrile		ND(0.010) J	NA	NA NA	ND(0.010) J	
Methyl Methacryl		ND(0.0010)	NA	NA	ND(0.0010)	
Methylene Chlori	de	ND(0.0050)	NA	NA NA	ND(0.0050)	
Propionitrile		ND(0.020) J	NA	NA	ND(0.020) J	
Styrene		ND(0.0010)	NA NA	NA NA	ND(0.0010)	
Tetrachloroethen	е	ND(0.0010)	NA NA	NA NA	0.00031 J	
Toluene	d	ND(0.0010)	NA NA	NA NA	0.00047 J	
trans-1,2-Dichlor		ND(0.0010)	NA	NA NA	0.00069 J	
trans-1,3-Dichlor		ND(0.0010)	NA	NA NA	ND(0.0010)	
trans-1,4-Dichlor	o-2-butene	ND(0.0050) J	NA	NA	ND(0.0050) J	
Trichloroethene	4h	ND(0.0010)	NA NA	NA NA	0.0015	
Trichlorofluorome	etnane	ND(0.0010) J	NA	NA NA	ND(0.0010)	
Vinyl Acetate		ND(0.0025)	NA NA	NA NA	ND(0.0025)	
Vinyl Chloride		ND(0.0010)	NA NA	NA NA	0.0017	
Xylenes (total)		ND(0.0010)	NA	NA NA	ND(0.0010)	
Total VOCs		ND(0.10)	NA	NA	0.016 J	

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID		East St. Area 1 - South	East St. A	rea 2 - North	East St. Area 2 - South	
	ample ID:	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14	
	collected:	04/17/08	04/11/08	04/10/08	04/11/08	
PCBs-Filtered						
Aroclor-1016		ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA	
Aroclor-1221		ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA	
Aroclor-1232		ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA	
Aroclor-1242		ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA	
Aroclor-1248		ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA	
Aroclor-1254		ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA NA	
Aroclor-1260		ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA NA	
Total PCBs		ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA	
Semivolatile Organics		NA T	<b></b>			
1,2,4,5-Tetrachlorobenzene		NA ND(0.0040)	NA NA	NA NA	NA NA	
1,2,4-Trichlorobenzene		ND(0.0010)	NA NA	NA NA	NA NA	
1,2-Dichlorobenzene		ND(0.0010)	NA NA	NA NA	NA NA	
1,2-Diphenylhydrazine		NA NA	NA NA	NA NA	NA NA	
1,3,5-Trinitrobenzene 1,3-Dichlorobenzene			NA NA		NA NA	
1,3-Dichloropenzene		ND(0.0010) NA	NA NA	NA NA	NA NA	
1,4-Dichlorobenzene		0.00081 J	NA NA	NA NA	NA NA	
1,4-Naphthoquinone		0.00061 J NA	NA NA	NA NA	NA NA	
1-Naphthylamine		NA NA	NA NA	NA NA	NA NA	
2,3,4,6-Tetrachlorophenol		NA NA	NA NA	NA NA	NA NA	
2,4,5-Trichlorophenol		NA NA	NA NA	NA NA	NA NA	
2,4,6-Trichlorophenol		NA NA	NA NA	NA NA	NA NA	
2,4-Dichlorophenol		NA	NA NA	NA	NA NA	
2,4-Dimethylphenol		NA	NA	NA	NA	
2,4-Dinitrophenol		NA	NA	NA	NA	
2,4-Dinitrotoluene		NA	NA	NA	NA	
2,6-Dichlorophenol		NA	NA	NA	NA	
2,6-Dinitrotoluene		NA	NA	NA	NA	
2-Acetylaminofluorene		NA	NA	NA	NA	
2-Chloronaphthalene		NA	NA	NA	NA	
2-Chlorophenol		NA	NA	NA	NA	
2-Methylnaphthalene		NA	NA	NA	NA	
2-Methylphenol		NA	NA	NA	NA	
2-Naphthylamine		NA	NA	NA	NA	
2-Nitroaniline		NA	NA	NA	NA	
2-Nitrophenol		NA	NA	NA	NA	
2-Picoline		NA NA	NA NA	NA NA	NA NA	
3&4-Methylphenol		NA NA	NA NA	NA NA	NA NA	
3,3'-Dichlorobenzidine		NA NA	NA NA	NA NA	NA NA	
3,3'-Dimethylbenzidine 3-Methylcholanthrene		NA NA	NA NA	NA NA	NA NA	
3-Nitroaniline		NA NA	NA NA	NA NA	NA NA	
4,6-Dinitro-2-methylphenol		NA NA	NA NA	NA NA	NA NA	
4-Aminobiphenyl		NA NA	NA NA	NA NA	NA NA	
4-Bromophenyl-phenylether		NA NA	NA NA	NA NA	NA NA	
4-Chloro-3-Methylphenol		NA NA	NA NA	NA NA	NA NA	
4-Chloroaniline		NA NA	NA	NA	NA NA	
4-Chlorobenzilate		NA	NA	NA	NA	
4-Chlorophenyl-phenylether		NA	NA	NA	NA NA	
4-Nitroaniline		NA	NA	NA	NA	
4-Nitrophenol		NA	NA	NA	NA	
4-Nitroquinoline-1-oxide		NA	NA	NA	NA	
4-Phenylenediamine		NA	NA	NA	NA	
5-Nitro-o-toluidine		NA	NA	NA	NA	
7,12-Dimethylbenz(a)anthra		NA	NA	NA	NA	
		NA	NA	NA	NA	
a,a'-Dimethylphenethylamine Acenaphthene	e	INA	NA NA	NA NA	NA NA	

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID			Area 2 - North	East St. Area 2 - South
Sample ID		ES1-05	ES1-27R	3-6C-EB-14
Parameter Date Collected	: 04/17/08	04/11/08	04/10/08	04/11/08
Semivolatile Organics (continued)	NA I	NΙΛ	I NIA	NIA.
Acenaphthylene	NA NA	NA NA	NA NA	NA NA
Acetophenone Aniline	NA NA	NA NA	NA NA	NA NA
Anthracene	NA NA	NA NA	NA NA	NA NA
Aramite	NA NA	NA NA	NA NA	NA NA
Benzidine	NA NA	NA NA	NA NA	NA NA
Benzo(a)anthracene	NA NA	NA NA	NA NA	NA NA
Benzo(a)pyrene	NA NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA
Benzyl Alcohol	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA
Butylbenzylphthalate	NA NA	NA	NA	NA
Chrysene	NA NA	NA NA	NA NA	NA NA
Diallate	NA NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA NA	NA NA	NA NA	NA NA
Dibenzofuran	NA NA	NA NA	NA NA	NA NA
Diethylphthalate	NA NA	NA NA	NA NA	NA NA
Dimethylphthalate Di-n-Butylphthalate	NA NA	NA NA	NA NA	NA NA
Di-n-Octylphthalate	NA NA	NA NA	NA NA	NA NA
Diphenylamine	NA NA	NA NA	NA NA	NA NA
Ethyl Methanesulfonate	NA NA	NA NA	NA NA	NA NA
Fluoranthene	NA NA	NA NA	NA NA	NA NA
Fluorene	NA NA	NA NA	NA NA	NA NA
Hexachlorobenzene	NA NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA
Hexachlorophene	NA	NA	NA	NA
Hexachloropropene	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA
Isosafrole	NA	NA	NA	NA
Methapyrilene	NA NA	NA NA	NA	NA
Methyl Methanesulfonate	NA ND(0.00040)	NA	NA NA	NA NA
Naphthalene Nitrobenzene	ND(0.00010)	NA NA	NA NA	NA NA
	NA NA			
N-Nitrosodiethylamine N-Nitrosodimethylamine	NA NA	NA NA	NA NA	NA NA
N-Nitrosodimetriylamine	NA NA	NA NA	NA NA	NA NA
N-Nitroso-di-n-propylamine	NA NA	NA NA	NA NA	NA NA
N-Nitrosomethylethylamine	NA NA	NA NA	NA NA	NA NA
N-Nitrosomorpholine	NA NA	NA NA	NA NA	NA NA
N-Nitrosopiperidine	NA NA	NA NA	NA NA	NA NA
N-Nitrosopyrrolidine	NA NA	NA	NA	NA NA
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA
o-Toluidine	NA	NA	NA	NA
p-Dimethylaminoazobenzene	NA	NA	NA	NA
Pentachlorobenzene	NA	NA	NA	NA
Pentachloroethane	NA	NA	NA	NA
Pentachloronitrobenzene	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA
Phenacetin	NA	NA	NA	NA
Phenanthrene	NA NA	NA	NA NA	NA NA
Phenol	NA	NA NA	NA	NA
Semivolatile Organics (continued)				

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID:		East St. Area 1 - South	East St. Ar	East St. Area 2 - South	
Parameter	Sample ID: Date Collected:	GMA1-6 04/17/08	ES1-05 04/11/08	ES1-27R 04/10/08	3-6C-EB-14 04/11/08
Pronamide		NA	NA	NA	NA
Pyrene		NA	NA	NA	NA
Pyridine		NA	NA	NA	NA
Safrole		NA	NA	NA	NA
Thionazin		NA	NA	NA	NA
Inorganics-Filte	ered	•		•	•
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Cyanide-MADEI	P (PAC)	NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Selenium		NA	NA	NA	NA
Silver		NA	NA	NA	NA
Thallium		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

Table B-1 Spring 2008 Groundwater Analytical Results

1.2-Dichloroethane		South	Eas	
Volatile Organics				ESA2S-64
1.1.1.2-Tetrachioroethane		04/10/08	04/18/08	04/18/08
1,1,1-trichloroethane				
1.1.2.2-Tetrachloroethane				
1.1.2-Trichloroethane	oethane			
1.1-Dichloroethene	chloroethane		NA	
11-Dichloroethene	oethane			
12.3-Trichloropropane	thane	0.00015 J		
12-Dibromo-3-chloropropane	thene		NA	
12-Dibromoethane	opropane	ND(0.0010)		ND(0.010)
1.2-Dichloropropane         NA         NA         0.00098 J           1.4-Dioxane         NA         NA         ND(0.0010)           1.4-Dioxane         NA         NA         NA         ND(0.0050) J           2-Butanone         NA         NA         NA         ND(0.0050) J           2-Chloro-1,3-butadiene         NA         NA         NA         ND(0.0050) J           2-Chloropropene         NA         NA         ND(0.0050) J           2-Hexanone         NA         NA         ND(0.0050) J           3-Chloropropene         NA         NA         NA         ND(0.0050) J           4-Methyl-2-pentanone         NA         NA         NA         ND(0.0050) J           A-cetone         NA         NA         NA         ND(0.0050) J           A-cetone         NA         NA         NA         ND(0.0050) J           A-crolein	3-chloropropa		NA	
1.2-Dichloropropane         NA         NA         ND(0.010)           1.4-Dioxane         NA         NA         ND(0.10)           2-Butanone         NA         NA         NA         ND(0.0050)           2-Chlorot-1,3-butadiene         NA         NA         NA         ND(0.0010)           2-Chloroteythyinylether         NA         NA         NA         ND(0.0013)           2-Hexanone         NA         NA         NA         ND(0.0050)           3-Chloropropene         NA         NA         ND(0.0050)         J           4-Mettyl-2-pentanone         NA         NA         ND(0.0050)         J           4-Mettyl-2-pentanone         NA         NA         NA         ND(0.0050)         J           4-Cerbanic         NA         NA         NA         ND(0.0050)         A	thane			
1,4-Dioxane				
2-Butanone	ropane	ND(0.0010)	NA	) ND(0.010)
2-Chloro-tly-butadiene         NA         NA         ND(0.0010)           2-Chloroethylvirylether         NA         NA         ND(0.013) J           2-Hexanone         NA         NA         ND(0.0050) J           3-Chloropropene         NA         NA         ND(0.0050) J           4-Methyl-2-pentanone         NA         NA         NA         ND(0.0050) J           Acetone         NA         NA         NA         ND(0.0250) J           Acetone         NA         NA         NA         ND(0.0250) J           Acrolein         NA         NA         NA         ND(0.025) J           Benzene         NA         NA         NA         ND(0.025) J           Berndendelhoromethane         NA         NA         NA         ND(0.025) J           Bromodichromethane         NA         NA         NA         ND(0.0010)           Bromoderm         NA         NA         NA         ND(0.0010)           Carbon Tetrachloride		ND(0.10) J		
2-Chicroethylvinylether		ND(0.0050)	NA	J ND(0.050) J
2-Hexanone	butadiene		NA	
3-Chloropropene         NA         NA         ND(0.0010)           4-Methyl-2-pentanone         NA         NA         NA         ND(0.0050)           Acetone         NA         NA         NA         ND(0.0050)         Acetone           Acetone         NA         NA         NA         ND(0.025)         J           Acrolein         NA         NA         NA         ND(0.025)         J           Acrolein         NA         NA         NA         ND(0.025)         J           Berzene         NA         NA         NA         ND(0.025)         J           Berzene         NA         NA         NA         ND(0.0010)         Bromodichloromethane         NA         NA         NA         ND(0.0010)         Bromoform         NA         NA         NA         NA         ND(0.0010)         NA         NA         NA         NA         NA         NA         ND(0.0010)         NA         <	vinylether		NA	
A-Methyl-2-pentanone				
Acetone         NA         NA         NA         ND(0.050) J           Accrolaririle         NA         NA         ND(0.020) J         Acrolaririle           Acrolein         NA         NA         ND(0.025) J         Acrolaririle           Acrolein         NA         NA         NA         ND(0.025) J           Benzene         NA         NA         NA         ND(0.023)           Bromodichloromethane         NA         NA         NA         ND(0.0010)           Bromoform         NA         NA         NA         ND(0.0010)           Carbon Disulfide         NA         NA         NA         ND(0.0010)           Carbon Tetrachloride         NA         NA         NA         ND(0.0010)           Carbon Tetrachloride         NA         NA         NA         ND(0.0010)           Chloropethane         NA         NA         NA         ND(0.0010)           Chloropethane         NA         NA         NA	ene			
Acetonitrile         NA         NA         NA         ND(0.020) J           Acrolein         NA         NA         ND(0.025) J         Acrylonitrile         NA         NA         ND(0.025) J         Benzene         NA         NA         ND(0.025) J         Benzene         NA         NA         NA         ND(0.0010)         Bromodichloromethane         NA         NA         NA         ND(0.0010)         Bromodichloromethane         NA         NA         NA         ND(0.0010)         Bromodichloromethane         NA         NA         ND(0.0010)         NA         NA         NA         ND(0.0010)         Carbon Tetrachloride         NA         NA         NA         ND(0.0010)         Carbon Tetrachloride         NA         NA         NA         ND(0.0010)         Chiorobenzene         NA         NA         NA         NA         NA         ND(0.0010)         Chiorobenzene         NA	entanone	ND(0.0050)	NA	) ND(0.050)
Acrolein         NA         NA         NA         ND(0.025) J           Acrylonitrile         NA         NA         NA         ND(0.025) J           Benzene         NA         NA         NA         0.023           Bromodichloromethane         NA         NA         NA         ND(0.0010)           Bromofform         NA         NA         NA         ND(0.0010)           Bromomethane         NA         NA         ND(0.0010)           Carbon Disulfide         NA         NA         ND(0.0010)           Carbon Tetrachloride         NA         NA         NA         ND(0.0010)           Carbon Tetrachloride         NA         NA         NA         ND(0.0010)           Chlorobenzene         NA         NA         NA         ND(0.0010)           Chlorobenzene         NA         NA         NA         ND(0.0010)           Chloroform         NA         NA         NA         ND(0.0010)           Chloroformethane         NA         NA         NA         ND(0.0010)           Chloromethane         NA         NA         NA         ND(0.0010)           Dibromorethane         NA         NA         NA         ND(0.0010) <tr< td=""><td></td><td>ND(0.0050)</td><td>NA</td><td>J ND(0.050) J</td></tr<>		ND(0.0050)	NA	J ND(0.050) J
Acrylonitrile		ND(0.020) s	NA	J ND(0.20) J
Benzene         NA         NA         0.023           Bromodichloromethane         NA         NA         ND(0.0010)           Bromoform         NA         NA         ND(0.0010)           Bromomethane         NA         NA         ND(0.0010)           Carbon Disulfide         NA         NA         NA         ND(0.0010)           Carbon Tetrachloride         NA         NA         ND(0.0010)           Chlorobenzene         NA         NA         ND(0.0010)           Chlorosthane         NA         NA         NA         ND(0.0010)           Chloroform         NA         NA         ND(0.0010)         NA         ND(0.0010)           Chloromethane         NA         NA         NA         ND(0.0010)         NA		ND(0.025)	NA	J ND(0.25) J
Bromodichloromethane         NA         NA         ND(0.0010)           Bromoform         NA         NA         ND(0.0010)           Bromomethane         NA         NA         ND(0.0010)           Carbon Disulfide         NA         NA         ND(0.0010)           Carbon Tetrachloride         NA         NA         ND(0.0010)           Chlorobenzene         NA         NA         NA         ND(0.0010)           Chlorobenzene         NA         NA         NA         ND(0.0010)           Chloroform         NA         NA         NA         0.0034           Chloroform         NA         NA         NA         ND(0.0010)           Chloromethane         NA         NA         NA         ND(0.0010)           Chloromethane         NA         NA         NA         ND(0.0010)           Dibromochloromethane         NA         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         NA         ND(0.0010)           Dibrhacylate         NA         NA         NA         ND(0.0010)           Ethyl Methacylate         NA		ND(0.025)	NA	J ND(0.25) J
Bromoform		0.023	NA	0.0036 J
Bromomethane	omethane	ND(0.0010)	NA	) ND(0.010)
Carbon Disulfide         NA         NA         ND(0.0010)           Carbon Tetrachloride         NA         NA         ND(0.0010)           Chlorobenzene         NA         NA         NA         ND(0.0010)           Chlorobenzene         NA         NA         NA         ND(0.0010)           Chloroform         NA         NA         NA         ND(0.0010)           Chloroform         NA         NA         ND(0.0010)           Chloromethane         NA         NA         ND(0.0010)           Chloromethane         NA         NA         ND(0.0010)           Dibromochloromethane         NA         NA         ND(0.0010)           Dibromochloromethane         NA         NA         ND(0.0010)           Dichlorodifluoromethane         NA         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         NA         ND(0.050)           Methacrylonitrile         NA         NA         NA         ND(0.010)           Methyl Methacrylate         NA         NA         NA         ND(0.0010)           Methyl Methacrylate         NA		ND(0.0010)	NA	) ND(0.010)
Carbon Tetrachloride         NA         NA         ND(0.0010)           Chlorobenzene         NA         NA         NA         ND(0.0010)           Chloroethane         NA         NA         0.0034         Chloroform         NA         NA         ND(0.0010)           Chloroform         NA         NA         NA         ND(0.0010)         Dichloroform         NA         NA         ND(0.0010)         Dichloroformethane         NA         NA         ND(0.0010)         Dichloroformethane         NA         NA         ND(0.0010)         Dichlorofifluoromethane         NA         NA         ND(0.0010)         Dichlorofifluoromethane         NA         NA         ND(0.0010)         Dichlorofifluoromethane         NA         NA         ND(0.0010)         Dichlorofifluoromethane         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         Dichlorofifluoromethane         NA         NA         ND(0.0010)         NA         NA	ne	ND(0.0010)	NA	) ND(0.010) J
Chlorobenzene         NA         NA         ND(0.0010)           Chloroethane         NA         NA         0.0034           Chloroform         NA         NA         ND(0.0010)           Chloromethane         NA         NA         ND(0.0010)           Cis-1,3-Dichloropropene         NA         NA         ND(0.0010)           Dibromochloromethane         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         ND(0.0010)           Dichlorodifluoromethane         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         ND(0.0010)           Estylbenzene         NA         NA         ND(0.0010)           Estylbenzene         NA         NA         NA         ND(0.0010)           Estylbenzene         NA         NA         ND(0.0010)         NA           Methacrylate         NA         NA         ND(0.0050)         NA           Methacrylonitrile         NA	fide	ND(0.0010)	NA	
Chloroethane         NA         NA         0.0034           Chloroform         NA         NA         NA         ND(0.0010)           Chloromethane         NA         NA         NA         ND(0.0010)           Cis-1,3-Dichloropropene         NA         NA         ND(0.0010)           Dibromochloromethane         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         NA           Ethyl Methacrylate         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         ND(0.0010)           Isobutanol         NA         NA         ND(0.0010)           Isobutanol         NA         NA         ND(0.0010)           Methyl Methacrylate         NA         NA	chloride	ND(0.0010)	NA	ND(0.010)
Chloroform         NA         NA         NA         ND(0.0010)           Chloromethane         NA         NA         NA         ND(0.0010)           cis-1,3-Dichloropropene         NA         NA         ND(0.0010)           Dibromochloromethane         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         ND(0.0010)           Dichlorodifluoromethane         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         NA         ND(0.0010)           Isobutanol         NA         NA         NA         ND(0.0010)           Methacrylonitrile         NA         NA         ND(0.0010)           Methyl Methacrylate         NA         NA         ND(0.0010)           Methyl Methacrylate         NA         NA         NA         ND(0.0010)           Methyl Methacrylate         <	ne	ND(0.0010)	NA	
Chloromethane         NA         NA         ND(0.0010)           cis-1,3-Dichloropropene         NA         NA         NA         ND(0.0010)           Dibromochloromethane         NA         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         NA         ND(0.0010)           Dichlorodifluoromethane         NA         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         ND(0.0010)         Ethylbenzene         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         ND(0.0050)         NA         NA         NA         ND(0.0010)         NA         NA         NA         ND(0.0010)         NA         NA         NA         ND(0.0010)         NA         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         NA         ND(0.0010)         NA         NA         ND(0	)		NA	ND(0.010) J
cis-1,3-Dichloropropene         NA         NA         ND(0.0010)           Dibromochloromethane         NA         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         NA         ND(0.0010)           Dichlorodifluoromethane         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         NA         ND(0.0010)           Isobutane         NA         NA         NA         ND(0.0010)           Isobutanol         NA         NA         NA         ND(0.0010)           Isobutanol         NA         NA         ND(0.0050)         N           Methacrylonitrile         NA         NA         ND(0.0010)         N           Methyl Methacrylate         NA         NA         ND(0.0010)         N           Methylene Chloride         NA         NA         ND(0.0010)         N           Methylene Chloride         NA         NA         ND(0.0050)         N           Propionitrile         NA         NA         ND(0.0050)         N           Styrene         NA         NA         NA         ND(0.0010)		ND(0.0010)	NA	) ND(0.010)
Dibromochloromethane         NA         NA         ND(0.0010)           Dibromomethane         NA         NA         ND(0.0010)           Dichlorodifluoromethane         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         ND(0.050)         NA         NA         ND(0.010)         NA         NA         ND(0.010)         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         ND(0.0050)         NA         NA         ND(0.0050)         NA         NA         ND(0.0010)         NA         NA         ND(0.0050)         NA         NA         ND(0.0050)         NA         NA         ND(0.0010) </td <td></td> <td></td> <td>NA</td> <td></td>			NA	
Dibromomethane         NA         NA         ND(0.0010)           Dichlorodifluoromethane         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         NA           Ethylbenzene         NA         NA         NA           Iodomethane         NA         NA         ND(0.0010)           Isobutanol         NA         NA         ND(0.050) J           Methacrylonitrile         NA         NA         ND(0.010) J           Methyl Methacrylate         NA         NA         ND(0.0010) J           Methylene Chloride         NA         NA         ND(0.0050)           Propionitrile         NA         NA         ND(0.0050)           Propionitrile         NA         NA         ND(0.0050)           Styrene         NA         NA         NA         ND(0.0050)           Tetrachloroethene         NA         NA         NA         ND(0.0010)           Trans-1,2-Dichloroethene         NA         NA         NA         ND(0.0010)           trans-1,3-Dichloropropene         NA         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         NA         ND(0.0010)           <	ropropene	ND(0.0010)	NA	) ND(0.010)
Dichlorodifluoromethane         NA         NA         ND(0.0010)           Ethyl Methacrylate         NA         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         NA         0.0054           Iodomethane         NA         NA         NA         ND(0.0010)           Isobutanol         NA         NA         NA         ND(0.050) J           Methacrylonitrile         NA         NA         ND(0.010) J           Methyl Methacrylate         NA         NA         ND(0.0010)           Methylene Chloride         NA         NA         ND(0.0050)           Propionitrile         NA         NA         ND(0.0050) J           Styrene         NA         NA         ND(0.0020) J           Styrene         NA         NA         ND(0.0010)           Tetrachloroethene         NA         NA         ND(0.0010)           Troluene         NA         NA         NA         ND(0.0045 J           trans-1,3-Dichloropropene         NA         NA         ND(0.0050) J           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         NA         ND(0.0010)	omethane		NA	
Ethyl Methacrylate         NA         NA         ND(0.0010)           Ethylbenzene         NA         NA         0.0054           Iodomethane         NA         NA         ND(0.0010)           Isobutanol         NA         NA         ND(0.050) J           Methacrylonitrile         NA         NA         ND(0.010) J           Methyl Methacrylate         NA         NA         ND(0.0010)           Methylene Chloride         NA         NA         ND(0.0050)           Propionitrile         NA         NA         ND(0.020) J           Styrene         NA         NA         ND(0.0010)           Tetrachloroethene         NA         NA         ND(0.0010)           Toluene         NA         NA         NA         ND(0.0010)           trans-1,2-Dichloroethene         NA         NA         NA         ND(0.0010)           trans-1,3-Dichloropropene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)	ane			
Ethylbenzene         NA         NA         0.0054           Iodomethane         NA         NA         NA         ND(0.0010)           Isobutanol         NA         NA         ND(0.050) J         ND(0.050) J           Methacrylonitrile         NA         NA         ND(0.010) J         ND(0.0010) M           Methyl Methacrylate         NA         NA         ND(0.0010) N         ND(0.0050) M         ND(0.0050) M         ND(0.0050) M         ND(0.0050) M         ND(0.0020) J         NA         NA         ND(0.0020) J         ND(0.0010) M         ND(0.0010) M         ND(0.0010) M         ND(0.0010) M         ND(0.0010) M         ND(0.0010) M         NA         NA         ND(0.0010) M         ND(0.0010) M         ND(0.0050) J         ND(0.0010) M         ND(0.0010) M <td< td=""><td>romethane</td><td></td><td></td><td></td></td<>	romethane			
Iodomethane         NA         NA         ND(0.0010)           Isobutanol         NA         NA         NA         ND(0.050) J           Methacrylonitrile         NA         NA         ND(0.010) J         ND(0.0010) J           Methyl Methacrylate         NA         NA         NA         ND(0.0010)           Methylene Chloride         NA         NA         ND(0.0050)           Propionitrile         NA         NA         ND(0.0020) J           Styrene         NA         NA         ND(0.0010)           Tetrachloroethene         NA         NA         ND(0.0010)           Toluene         NA         NA         NA         ND(0.0010)           trans-1,2-Dichloroethene         NA         NA         NA         ND(0.0024 J           trans-1,3-Dichloropropene         NA         NA         ND(0.0010)         NA           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)				
Isobutanol				0.013
Methacrylonitrile         NA         NA         ND(0.010) J           Methyl Methacrylate         NA         NA         NA         ND(0.0010)           Methylene Chloride         NA         NA         NA         ND(0.0050)           Propionitrile         NA         NA         ND(0.0020) J           Styrene         NA         NA         ND(0.0010)           Tetrachloroethene         NA         NA         ND(0.0010)           Toluene         NA         NA         NA         0.00045 J           trans-1,2-Dichloroethene         NA         NA         ND(0.0010)           trans-1,3-Dichloropropene         NA         NA         ND(0.0010)           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)		, ,		,
Methyl Methacrylate         NA         NA         ND(0.0010)           Methylene Chloride         NA         NA         NA         ND(0.0050)           Propionitrile         NA         NA         ND(0.020) J         Styrene         NA         NA         ND(0.0010)           Styrene         NA         NA         ND(0.0010)         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         NA         NA         ND(0.0045 J         NA         NA         NA         ND(0.0045 J         NA         NA         ND(0.0045 J         NA         NA         ND(0.0010)         NA         NA         ND(0.0010)         NA         ND(0.0050) J         NA         ND(0.0050) J         ND(0.0010)         NA         ND(0.0010)         ND(0.0010)         ND(0.0010)				
Methylene Chloride         NA         NA         ND(0.0050)           Propionitrile         NA         NA         ND(0.020) J           Styrene         NA         NA         ND(0.0010)           Tetrachloroethene         NA         NA         ND(0.0010)           Toluene         NA         NA         0.00045 J           trans-1,2-Dichloroethene         NA         NA         0.00024 J           trans-1,3-Dichloropropene         NA         NA         ND(0.0010)           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)				
Propionitrile         NA         NA         ND(0.020) J           Styrene         NA         NA         ND(0.0010)           Tetrachloroethene         NA         NA         ND(0.0010)           Toluene         NA         NA         0.00045 J           trans-1,2-Dichloroethene         NA         NA         0.00024 J           trans-1,3-Dichloropropene         NA         NA         ND(0.0010)           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)		. ,		, ,
Styrene         NA         NA         ND(0.0010)           Tetrachloroethene         NA         NA         ND(0.0010)           Toluene         NA         NA         0.00045 J           trans-1,2-Dichloroethene         NA         NA         0.00024 J           trans-1,3-Dichloropropene         NA         NA         ND(0.0010)           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)	nloride			
Tetrachloroethene         NA         NA         NA         ND(0.0010)           Toluene         NA         NA         0.00045 J           trans-1,2-Dichloroethene         NA         NA         0.00024 J           trans-1,3-Dichloropropene         NA         NA         ND(0.0010)           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)				
Toluene         NA         NA         0.00045 J           trans-1,2-Dichloroethene         NA         NA         0.00024 J           trans-1,3-Dichloropropene         NA         NA         ND(0.0010)           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)		. ,		, ,
trans-1,2-Dichloroethene         NA         NA         0.00024 J           trans-1,3-Dichloropropene         NA         NA         ND(0.0010)           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)	hene	/		
trans-1,3-Dichloropropene         NA         NA         ND(0.0010)           trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)				
trans-1,4-Dichloro-2-butene         NA         NA         ND(0.0050) J           Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)				
Trichloroethene         NA         NA         ND(0.0010)           Trichlorofluoromethane         NA         NA         ND(0.0010)				
Trichlorofluoromethane NA NA ND(0.0010)				
Vinyl Acetate NA NA ND(0.0025)				
Vinyl Chloride         NA         NA         ND(0.0010)				
Xylenes (total) NA NA 0.0031	l)			0.030
Total VOCs NA NA 0.037 J		0.037 J	NA	0.21 J

Table B-1 Spring 2008 Groundwater Analytical Results

	Site ID:		East St. Are	a 2 - South	
Baramatar	Sample ID: Date Collected:	E2SC-23 04/03/08	E2SC-24 04/18/08	ES2-02A 04/10/08	ESA2S-64
Parameter PCBs-Filtered	Date Collected:	04/03/00	04/16/06	04/10/00	04/18/08
Aroclor-1016		ND(0.000067)	ND(0.00069)	NΙΔ	I NA
Aroclor-1016 Aroclor-1221		ND(0.000067) ND(0.000067)	ND(0.000069)	NA NA	NA NA
Aroclor-1232		ND(0.000067)	ND(0.000069)	NA NA	NA NA
Aroclor-1242		ND(0.000067)	ND(0.000069)	NA NA	NA NA
Aroclor-1248		ND(0.000067)	ND(0.000069)	NA NA	NA NA
Aroclor-1254		ND(0.000067)	ND(0.000069)	NA NA	NA NA
Aroclor-1260		ND(0.000067)	ND(0.00069)	NA NA	NA NA
Total PCBs		ND(0.000067)	ND(0.000069)	NA	NA
Semivolatile Organ	ics	,	,		<u> </u>
1,2,4,5-Tetrachlorob		NA	NA	NA	NA
1,2,4-Trichlorobenze	ene	NA	NA	NA	NA
1,2-Dichlorobenzene	9	NA	NA	NA	NA
1,2-Diphenylhydrazii	ne	NA	NA	NA	NA
1,3,5-Trinitrobenzen	е	NA	NA	NA	NA
1,3-Dichlorobenzene	9	NA	NA	NA	NA
1,3-Dinitrobenzene		NA	NA	NA	NA
1,4-Dichlorobenzene		NA	NA	NA	NA
1,4-Naphthoquinone	)	NA	NA	NA	NA
1-Naphthylamine		NA	NA	NA	NA
2,3,4,6-Tetrachlorop		NA	NA	NA	NA
2,4,5-Trichloropheno		NA	NA	NA	NA
2,4,6-Trichloropheno	DI .	NA NA	NA NA	NA NA	NA NA
2,4-Dichlorophenol		NA NA	NA NA	NA NA	NA NA
2,4-Dimethylphenol		NA NA	NA NA	NA NA	NA NA
2,4-Dinitrophenol 2,4-Dinitrotoluene		NA NA	NA NA	NA NA	NA NA
2,6-Dichlorophenol		NA NA	NA NA	NA NA	NA NA
2.6-Dinitrotoluene		NA NA	NA NA	NA NA	NA NA
2-Acetylaminofluore	ne	NA NA	NA NA	NA NA	NA NA
2-Chloronaphthalen		NA NA	NA NA	NA NA	NA NA
2-Chlorophenol		NA NA	NA NA	NA NA	NA NA
2-Methylnaphthalen	9	NA NA	NA NA	NA NA	NA NA
2-Methylphenol	-	NA	NA NA	NA	NA
2-Naphthylamine		NA	NA	NA	NA
2-Nitroaniline		NA	NA	NA	NA
2-Nitrophenol		NA	NA	NA	NA
2-Picoline		NA	NA	NA	NA
3&4-Methylphenol		NA	NA	NA	NA
3,3'-Dichlorobenzidir	ne	NA	NA	NA	NA
3,3'-Dimethylbenzidi		NA	NA	NA	NA
3-Methylcholanthren	ne	NA	NA	NA	NA
3-Nitroaniline		NA	NA	NA	NA
4,6-Dinitro-2-methyl	phenol	NA	NA	NA	NA
4-Aminobiphenyl	1.4	NA	NA	NA	NA
4-Bromophenyl-phe		NA NA	NA NA	NA NA	NA NA
4-Chloro-3-Methylph	ierioi	NA NA	NA NA	NA NA	NA NA
4-Chloroaniline 4-Chlorobenzilate		NA NA	NA NA	NA NA	NA NA
4-Chlorophenyl-phei	nylether	NA NA	NA NA	NA NA	NA NA
4-Nitroaniline	ryretrier	NA NA	NA NA	NA NA	NA NA
4-Nitrophenol		NA NA	NA NA	NA NA	NA NA
4-Nitroprierioi 4-Nitroquinoline-1-o	xide	NA NA	NA NA	NA NA	NA NA
4-Phenylenediamine		NA NA	NA NA	NA NA	NA NA
5-Nitro-o-toluidine	<i>,</i>	NA NA	NA NA	NA NA	NA NA
7,12-Dimethylbenz(a	a)anthracene	NA NA	NA NA	NA NA	NA NA
a,a'-Dimethylphenet		NA NA	NA NA	NA NA	NA NA
Acenaphthene	,	NA NA	NA NA	NA NA	NA NA

Table B-1 Spring 2008 Groundwater Analytical Results

	Site ID:				
	Sample ID:	E2SC-23	E2SC-24	ES2-02A	ESA2S-64
Parameter	Date Collected:	04/03/08	04/18/08	04/10/08	04/18/08
	anics (continued)	NIA .	T NA	T NA	T NA
Acenaphthylene Acetophenone		NA NA	NA NA	NA NA	NA NA
Aniline		NA NA	NA NA	NA NA	NA NA
Anthracene		NA NA	NA NA	NA NA	NA NA
Aramite		NA	NA	NA NA	NA
Benzidine		NA	NA	NA	NA
Benzo(a)anthrace	ne	NA	NA	NA	NA
Benzo(a)pyrene		NA	NA	NA	NA
Benzo(b)fluoranth Benzo(g,h,i)peryle		NA NA	NA NA	NA NA	NA NA
Benzo(g,n,i)peryle Benzo(k)fluoranth		NA NA	NA NA	NA NA	NA NA
Benzyl Alcohol	CITE	NA NA	NA NA	NA NA	NA NA
bis(2-Chloroethox	v)methane	NA	NA NA	NA	NA NA
bis(2-Chloroethyl)		NA	NA	NA	NA
ois(2-Chloroisopro		NA	NA	NA	NA
ois(2-Ethylhexyl)p	hthalate	NA	NA	NA	NA
Butylbenzylphthala	ate	NA	NA	NA	NA
Chrysene		NA NA	NA NA	NA NA	NA NA
Diallate	20000	NA NA	NA NA	NA NA	NA NA
Dibenzo(a,h)anthr Dibenzofuran	acene	NA NA	NA NA	NA NA	NA NA
Diethylphthalate		NA NA	NA NA	NA NA	NA NA
Dimethylphthalate		NA NA	NA NA	NA NA	NA NA
Di-n-Butylphthalat		NA	NA NA	NA NA	NA
Di-n-Octylphthalat		NA	NA	NA	NA
Diphenylamine		NA	NA	NA	NA
Ethyl Methanesulf	onate	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA
Fluorene		NA NA	NA NA	NA NA	NA NA
Hexachlorobenzer Hexachlorobutadie		NA NA	NA NA	NA NA	NA NA
Hexachlorocyclop		NA NA	NA NA	NA NA	NA NA
Hexachloroethane		NA NA	NA NA	NA NA	NA NA
Hexachlorophene	,	NA	NA NA	NA NA	NA NA
Hexachloropropen	ne	NA	NA	NA	NA
Indeno(1,2,3-cd)p	yrene	NA	NA	NA	NA
Isodrin		NA	NA	NA	NA
Isophorone		NA	NA	NA	NA
Isosafrole		NA NA	NA NA	NA NA	NA NA
Methapyrilene Methyl Methanesu	Ilfonoto	NA NA	NA NA	NA NA	NA NA
Naphthalene	illollate	NA NA	NA NA	NA NA	NA NA
Nitrobenzene		NA NA	NA NA	NA NA	NA NA
N-Nitrosodiethylar	nine	NA	NA	NA	NA
N-Nitrosodimethyl	amine	NA	NA	NA	NA
N-Nitroso-di-n-but		NA	NA	NA	NA
N-Nitroso-di-n-pro		NA	NA	NA	NA
N-Nitrosomethylet		NA NA	NA NA	NA NA	NA NA
N-Nitrosomorpholi N-Nitrosopiperidin		NA NA	NA NA	NA NA	NA NA
N-Nitrosopiperidiri N-Nitrosopyrrolidir		NA NA	NA NA	NA NA	NA NA
o,o,o-Triethylphos		NA NA	NA NA	NA NA	NA NA
o-Toluidine		NA	NA	NA	NA
o-Dimethylaminoa		NA	NA	NA	NA
Pentachlorobenze		NA	NA	NA	NA
Pentachloroethan		NA	NA	NA	NA
Pentachloronitrob		NA	NA NA	NA NA	NA
Pentachloropheno	)I	NA NA	NA NA	NA NA	NA NA
Phenacetin Phenanthrene		NA NA	NA NA	NA NA	NA NA
Phenanthrene Phenol		NA NA	NA NA	NA NA	NA NA
	anics (continued)	I N/A	147	14/7	IN/A

Table B-1 Spring 2008 Groundwater Analytical Results

	Site ID:	East St. Area 2 - South						
Parameter	Sample ID: Date Collected:	E2SC-23 04/03/08	E2SC-24 04/18/08	ES2-02A 04/10/08	ESA2S-64 04/18/08			
Pronamide		NA	NA	NA	NA			
Pyrene		NA	NA	NA	NA			
Pyridine		NA	NA	NA	NA			
Safrole		NA	NA	NA	NA			
Thionazin		NA	NA	NA	NA			
Inorganics-Filte	ered		<u> </u>	· ·				
Antimony		NA	NA	NA	NA			
Arsenic		NA	NA	NA	NA			
Barium		NA	NA	NA	NA			
Beryllium		NA	NA	NA	NA			
Cadmium		NA	NA	NA	NA			
Chromium		NA	NA	NA	NA			
Cobalt		NA	NA	NA	NA			
Copper		NA	NA	NA	NA			
Cyanide-MADEF	P (PAC)	NA	NA	NA	NA			
_ead		NA	NA	NA	NA			
Mercury		NA	NA	NA	NA			
Vickel		NA	NA	NA	NA			
Selenium		NA	NA	NA	NA			
Silver		NA	NA	NA	NA			
Γhallium		NA	NA	NA	NA			
Γin		NA	NA	NA	NA			
Vanadium		NA	NA	NA	NA			
Zinc		NA	NA	NA	NA			

Table B-1 Spring 2008 Groundwater Analytical Results

	Site ID:	East St. A	rea 2 - South		Lyman Street Area	
	Sample ID:	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R	LSSC-08S
Parameter	Date Collected:	04/07/08	04/10/08	04/08/08	04/08/08	04/08/08
Volatile Organic	S					
1,1,1,2-Tetrachlo	roethane	NA	NA	NA	ND(0.0010)	NA
1,1,1-Trichloroeth		NA	NA	NA	ND(0.0010)	NA
1,1,2,2-Tetrachlo	roethane	NA	NA	NA	ND(0.0010)	NA
1,1,2-Trichloroeth	nane	NA	NA	NA	ND(0.0010)	NA
1,1-Dichloroethar	ne	NA	NA	NA	ND(0.0010)	NA
1,1-Dichloroether	ne	NA	NA	NA	ND(0.0010)	NA
1,2,3-Trichloropro	opane	NA	NA	NA	ND(0.0010)	NA
1,2-Dibromo-3-ch	nloropropane	NA	NA	NA	ND(0.0050) J	NA
1,2-Dibromoetha		NA	NA	NA	ND(0.0010)	NA
1,2-Dichloroethar		NA	NA	NA	ND(0.0010)	NA
1,2-Dichloropropa	ane	NA	NA	NA	ND(0.0010)	NA
1,4-Dioxane		NA	NA	NA	ND(0.10) J	NA
2-Butanone		NA	NA	NA	ND(0.0050) J	NA
2-Chloro-1,3-buta		NA	NA	NA	ND(0.0010)	NA
2-Chloroethylviny	/lether	NA	NA	NA	ND(0.013) J	NA
2-Hexanone		NA	NA	NA	ND(0.0050)	NA
3-Chloropropene		NA	NA	NA	ND(0.0010)	NA
4-Methyl-2-penta	none	NA	NA	NA	ND(0.0050)	NA
Acetone		NA	NA	NA	ND(0.0050) J	NA
Acetonitrile		NA	NA	NA	ND(0.020) J	NA
Acrolein		NA	NA	NA	ND(0.025) J	NA
Acrylonitrile		NA	NA	NA	ND(0.025) J	NA
Benzene		NA	NA	NA	0.0042	NA
Bromodichlorome	ethane	NA	NA	NA	ND(0.0010)	NA
Bromoform		NA	NA	NA	ND(0.0010)	NA
Bromomethane		NA	NA	NA	ND(0.0010) J	NA
Carbon Disulfide		NA	NA	NA	ND(0.0010)	NA
Carbon Tetrachlo	oride	NA NA	NA NA	NA NA	ND(0.0010)	NA NA
Chlorobenzene		NA NA	NA NA	NA NA	ND(0.0010)	NA NA
Chloroethane		NA NA	NA NA	NA NA	ND(0.0010) J	NA NA
Chloroform		NA NA	NA NA	NA NA	ND(0.0010)	NA
Chloromethane cis-1,3-Dichlorop	*****	NA NA	NA NA	NA NA	0.0036	NA NA
					ND(0.0010)	NA NA
Dibromochlorome Dibromomethane		NA NA	NA NA	NA NA	ND(0.0010)	NA NA
Dichlorodifluorom		NA NA	NA NA	NA NA	ND(0.0010) ND(0.0010)	NA NA
Ethyl Methacrylat		NA NA	NA NA	NA NA	ND(0.0010)	NA NA
Ethylbenzene	ie	NA NA	NA NA	NA NA	ND(0.0010)	NA NA
Iodomethane		NA NA	NA NA	NA NA	ND(0.0010)	NA NA
Isobutanol		NA NA	NA NA	NA NA	ND(0.050) J	NA NA
Methacrylonitrile		NA NA	NA NA	NA NA	ND(0.010)	NA NA
Methyl Methacryl	late	NA NA	NA NA	NA NA	ND(0.0010)	NA NA
Methylene Chlori		NA NA	NA NA	NA	ND(0.0050)	NA NA
Propionitrile	do	NA NA	NA	NA	ND(0.020) J	NA
Styrene		NA	NA	NA	ND(0.0010)	NA
Tetrachloroethen	e	NA NA	NA NA	NA	ND(0.0010)	NA NA
Toluene	-	NA NA	NA NA	NA	ND(0.0010)	NA NA
trans-1,2-Dichlore	oethene	NA	NA	NA	ND(0.0010)	NA
trans-1,3-Dichlore		NA	NA	NA	ND(0.0010)	NA
trans-1,4-Dichlore		NA	NA	NA	ND(0.0050) J	NA
Trichloroethene		NA	NA	NA	ND(0.0010)	NA
Trichlorofluorome	ethane	NA	NA	NA	ND(0.0010)	NA
Vinyl Acetate		NA	NA	NA	ND(0.0025)	NA
Vinyl Chloride		NA	NA	NA	0.00054 J	NA
Xylenes (total)		NA	NA	NA	ND(0.0010)	NA
Total VOCs		NA	NA	NA	0.0083 J	NA

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID:	East St. A	rea 2 - South		Lyman Street Area	
Sample ID:	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R	LSSC-08S
Parameter Date Collected:	04/07/08	04/10/08	04/08/08	04/08/08	04/08/08
PCBs-Filtered					
Aroclor-1016	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1221	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1232	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1242	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1248	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1254	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1260	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Total PCBs	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA NA	NA	NA NA	NA	NA NA
1,3-Dichlorobenzene	NA NA	NA NA	NA NA	NA NA	NA NA
1,3-Dinitrobenzene	NA NA	NA NA	NA NA	NA NA	NA NA
1,4-Dichlorobenzene	NA NA	NA NA	NA NA	NA NA	NA NA
1,4-Naphthoquinone 1-Naphthylamine	NA NA	NA NA	NA NA	NA NA	NA NA
2,3,4,6-Tetrachlorophenol	NA NA	NA NA	NA NA	NA NA	NA NA
2,4,5-Trichlorophenol	NA NA	NA NA	NA NA	NA NA	NA NA
2,4,6-Trichlorophenol	NA NA	NA NA	NA NA	NA NA	NA NA
2,4-Dichlorophenol	NA NA	NA NA	NA NA	NA NA	NA NA
2,4-Dimethylphenol	NA NA	NA NA	NA NA	NA NA	NA NA
2,4-Dinitrophenol	NA NA	NA NA	NA NA	NA NA	NA NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA
2,6-Dichlorophenol	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA
2-Acetylaminofluorene	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA
2-Naphthylamine	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA
2-Picoline	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA NA	NA NA	NA NA	NA NA	NA NA
3,3'-Dimethylbenzidine	NA NA	NA NA	NA NA	NA NA	NA NA
3-Methylcholanthrene	NA NA	NA NA	NA NA	NA NA	NA NA
3-Nitroaniline 4,6-Dinitro-2-methylphenol	NA NA	NA NA	NA NA	NA NA	NA NA
A A series a la imba a serie	NA NA	NA NA	NA NA	NA NA	NA NA
4-Aminobipnenyi 4-Bromophenyl-phenylether	NA NA	NA NA	NA NA	NA NA	NA NA
4-Chloro-3-Methylphenol	NA NA	NA NA	NA NA	NA NA	NA NA
4-Chloroaniline	NA NA	NA NA	NA NA	NA NA	NA NA
4-Chlorobenzilate	NA NA	NA NA	NA NA	NA NA	NA NA
4-Chlorophenyl-phenylether	NA NA	NA NA	NA NA	NA NA	NA NA
4-Nitroaniline	NA NA	NA NA	NA NA	NA NA	NA NA
4-Nitrophenol	NA NA	NA NA	NA NA	NA NA	NA NA
4-Nitroquinoline-1-oxide	NA NA	NA NA	NA NA	NA NA	NA NA
4-Phenylenediamine	NA	NA	NA	NA	NA
5-Nitro-o-toluidine	NA	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	NA	NA	NA	NA	NA
a,a'-Dimethylphenethylamine	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID:	East St. A	rea 2 - South			
Sample ID:	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R	LSSC-08S
Parameter Date Collected:	04/07/08	04/10/08	04/08/08	04/08/08	04/08/08
Semivolatile Organics (continued)					
Acenaphthylene	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA NA	NA
Anthracene	NA	NA	NA	NA	NA
Aramite	NA NA	NA NA	NA NA	NA NA	NA NA
Benzidine Benzo(a)anthracene	NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(a)pyrene	NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(b)fluoranthene	NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(g,h,i)perylene	NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(k)fluoranthene	NA	NA	NA NA	NA NA	NA NA
Benzyl Alcohol	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA
Diallate	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA NA	NA	NA	NA NA	NA
Dibenzofuran	NA	NA	NA	NA	NA
Diethylphthalate	NA NA	NA NA	NA NA	NA NA	NA
Dimethylphthalate	NA NA	NA NA	NA NA	NA NA	NA NA
Di-n-Butylphthalate	NA NA	NA NA	NA NA	NA NA	NA NA
Di-n-Octylphthalate Diphenylamine	NA NA	NA NA	NA NA	NA NA	NA NA
Ethyl Methanesulfonate	NA NA	NA NA	NA NA	NA NA	NA NA
Fluoranthene	NA NA	NA NA	NA NA	NA NA	NA NA
Fluorene	NA NA	NA NA	NA NA	NA NA	NA NA
Hexachlorobenzene	NA	NA	NA NA	NA NA	NA NA
Hexachlorobutadiene	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA
Hexachlorophene	NA	NA	NA	NA	NA
Hexachloropropene	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA
Isosafrole	NA	NA	NA	NA	NA
Methapyrilene	NA NA	NA NA	NA NA	NA NA	NA NA
Methyl Methanesulfonate Naphthalene	NA NA	NA NA	NA NA	NA NA	NA NA
Nitrobenzene	NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosodiethylamine	NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosodimethylamine	NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitroso-di-n-butylamine	NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitroso-di-n-propylamine	NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosomethylethylamine	NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosomorpholine	NA	NA	NA	NA	NA
N-Nitrosopiperidine	NA	NA	NA	NA	NA
N-Nitrosopyrrolidine	NA	NA	NA	NA	NA
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA	NA
o-Toluidine	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	NA	NA	NA	NA	NA
Pentachlorobenzene	NA	NA	NA	NA	NA
Pentachloroethane	NA	NA	NA	NA	NA
Pentachloronitrobenzene	NA NA	NA	NA NA	NA NA	NA
Pentachlorophenol	NA NA	NA NA	NA NA	NA NA	NA NA
Phenacetin	NA NA	NA NA	NA NA	NA NA	NA NA
Phenal	NA NA	NA NA	NA NA	NA NA	NA NA
Phenol	NA	NA	NA	NA	NA

Table B-1 Spring 2008 Groundwater Analytical Results

	Site ID:	East St. A	rea 2 - South	Lyman Street Area			
Parameter	Sample ID: Date Collected:	GMA1-13 04/07/08	HR-G3-MW-1 04/10/08	LS-29 04/08/08	LS-MW-4R 04/08/08	LSSC-08S 04/08/08	
Pronamide		NA	NA	NA	NA	NA	
Pyrene		NA	NA	NA	NA	NA	
Pyridine		NA	NA	NA	NA	NA	
Safrole		NA	NA	NA	NA	NA	
Thionazin		NA	NA	NA	NA	NA	
Inorganics-Filte	ered				•	•	
Antimony		NA	NA	NA	NA	NA	
Arsenic		NA	NA	NA	NA	NA	
Barium		NA	NA	NA	NA	NA	
Beryllium		NA	NA	NA	NA	NA	
Cadmium		NA	NA	NA	NA	NA	
Chromium		NA	NA	NA	NA	NA	
Cobalt		NA	NA	NA	NA	NA	
Copper		NA	NA	NA	NA	NA	
Cyanide-MADEI	P (PAC)	NA	NA	NA	NA	NA	
Lead		NA	NA	NA	NA	NA	
Mercury		NA	NA	NA	NA	NA	
Nickel		NA	NA	NA	NA	NA	
Selenium		NA	NA	NA	NA	NA	
Silver		NA	NA	NA	NA	NA	
Thallium		NA	NA	NA	NA	NA	
Tin		NA	NA	NA	NA	NA	
Vanadium		NA	NA	NA	NA	NA	
Zinc		NA	NA	NA	NA	NA	

Table B-1 Spring 2008 Groundwater Analytical Results

	Site ID:	Lyman Street Area		ı		
	Sample ID:	LSSC-16S	LSSC-18	GMA1-25	GMA1-27	N2SC-07S
Parameter	Date Collected:	04/08/08	04/08/08	04/09/08	04/09/08	04/09/08
Volatile Organic						
1,1,1,2-Tetrachlo	roethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,1,1-Trichloroeth	nane	0.00016 J	NA	ND(0.0010)	ND(0.0010)	NA
1,1,2,2-Tetrachlo	roethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,1,2-Trichloroeth		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethar		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroether		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,2,3-Trichloropro		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dibromo-3-ch		ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J	NA
1,2-Dibromoetha		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroethar		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloropropa	ane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,4-Dioxane		ND(0.10) J	NA	ND(0.10) J	ND(0.10) J	NA
2-Butanone		ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J	NA
2-Chloro-1,3-buta		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
2-Chloroethylviny	lether	ND(0.013) J	NA	ND(0.013) J	ND(0.013) J	NA
2-Hexanone		ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J	NA
3-Chloropropene		ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
4-Methyl-2-penta	none	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	NA
Acetone		ND(0.0050) J	NA	ND(0.0050)	ND(0.0050) J	NA
Acetonitrile		ND(0.020) J	NA	ND(0.020) J	ND(0.020) J	NA
Acrolein		ND(0.025) J	NA	ND(0.025) J	ND(0.025) J	NA
Acrylonitrile		ND(0.025) J	NA	ND(0.025) J	ND(0.025) J	NA
Benzene		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Bromodichlorome	ethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Bromoform		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Bromomethane		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Carbon Disulfide		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Carbon Tetrachlo	oride	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Chlorobenzene		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Chloroethane		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Chloroform		0.00048 J	NA	ND(0.0010)	ND(0.0010)	NA
Chloromethane		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
cis-1,3-Dichlorop		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Dibromochlorome		ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
Dibromomethane		ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
Dichlorodifluorom		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA NA
Ethyl Methacrylat	te	ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
Ethylbenzene		ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
Iodomethane		ND(0.0010) ND(0.050) J	NA NA	ND(0.0010)	ND(0.0010)	NA NA
Isobutanol		ND(0.050) J ND(0.010) J	NA NA	ND(0.050) J ND(0.010) J	ND(0.050) J ND(0.010) J	NA NA
Methacrylonitrile Methyl Methacryl	loto	ND(0.010) 3 ND(0.0010)	NA NA	ND(0.010) 3 ND(0.0010)	ND(0.010) 3	NA NA
Methylene Chlori		ND(0.0010) ND(0.0050)	NA NA	ND(0.0010) ND(0.0050)	ND(0.0010) ND(0.0050)	NA NA
Propionitrile	ue		NA NA	ND(0.0050) ND(0.020) J	ND(0.0030) ND(0.020) J	NA NA
Styrene		ND(0.020) J ND(0.0010)	NA NA	ND(0.020) 3 ND(0.0010)	ND(0.020) 3 ND(0.0010)	NA NA
Tetrachloroethen	Δ	0.0080	NA NA	ND(0.0010)	ND(0.0010)	NA NA
Toluene		ND(0.0010)	NA NA	0.00017 J	ND(0.0010)	NA NA
trans-1,2-Dichlore	nethene	ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
trans-1,3-Dichlor		ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
trans-1,4-Dichlor		ND(0.0010)	NA NA	ND(0.0050) J	ND(0.0010)	NA NA
Trichloroethene	o z buterie	0.0011	NA NA	ND(0.0030) 3	ND(0.0030) 3	NA NA
Trichlorofluorome	ethane	ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
Vinyl Acetate	Julialie	ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010) ND(0.0025)	NA NA
Vinyl Chloride		ND(0.0023)	NA NA	ND(0.0023)	ND(0.0023)	NA NA
Xylenes (total)	+	ND(0.0010)	NA NA	ND(0.0010)	ND(0.0010)	NA NA
Total VOCs		0.0097 J	NA NA	0.00017 J	ND(0.0010) ND(0.10)	NA NA
TOTAL VOUS		0.0097 J	INA	0.00017 J	ואט(ט.וט)	INA

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID:	Lyman S	Street Area	Nev		
Sample ID:	LSSC-16S	LSSC-18	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	04/08/08	04/08/08	04/09/08	04/09/08	04/09/08
PCBs-Filtered					
Aroclor-1016	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1221	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1232	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1242	NA	ND(0.000069)	ND(0.00066)	ND(0.000069)	ND(0.000067) J
Aroclor-1248	NA	ND(0.000069)	ND(0.00066)	ND(0.000069)	ND(0.000067) J
Aroclor-1254	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1260	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Total PCBs	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,2,4-Trichlorobenzene	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,2-Dichlorobenzene	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,2-Diphenylhydrazine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,3,5-Trinitrobenzene	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
1,3-Dichlorobenzene	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,3-Dinitrobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,4-Dichlorobenzene	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,4-Naphthoquinone	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1-Naphthylamine	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
2,3,4,6-Tetrachlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4,5-Trichlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4,6-Trichlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4-Dichlorophenol	NA NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4-Dimethylphenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4-Dinitrophenol	NA NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
2,4-Dinitrotoluene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,6-Dichlorophenol	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
2,6-Dinitrotoluene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
2-Acetylaminofluorene	NA NA	NA NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
2-Chloronaphthalene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
2-Chlorophenol 2-Methylnaphthalene	NA NA	NA NA	ND(0.0050) [ND(0.0050)] ND(0.0050) [ND(0.0050)]	ND(0.0052) ND(0.0052)	NA NA
2-Methylphenol	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
2-Naphthylamine	NA NA	NA NA	ND(0.0030) [ND(0.0030)]	ND(0.0032)	NA NA
2-Nitroaniline	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
2-Nitrophenol	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
2-Picoline	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
3&4-Methylphenol	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
3,3'-Dichlorobenzidine	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA
3,3'-Dimethylbenzidine	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
3-Methylcholanthrene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
3-Nitroaniline	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4,6-Dinitro-2-methylphenol	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Aminobiphenyl	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Bromophenyl-phenylether	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Chloro-3-Methylphenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Chloroaniline	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Chlorobenzilate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Chlorophenyl-phenylether	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Nitroaniline	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Nitrophenol	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Nitroquinoline-1-oxide	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Phenylenediamine	NA	NA	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
5-Nitro-o-toluidine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
7,12-Dimethylbenz(a)anthracene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
a,a'-Dimethylphenethylamine	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
Acenaphthene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA

Table B-1 Spring 2008 Groundwater Analytical Results

Site ID:		treet Area		ell St. Area II	
Sample ID:	LSSC-16S	LSSC-18	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	04/08/08	04/08/08	04/09/08	04/09/08	04/09/08
Semivolatile Organics (continued)					
Acenaphthylene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Acetophenone	NA NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Aniline	NA NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Anthracene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Aramite Benzidine	NA NA	NA NA	ND(0.0050) [ND(0.0050)] ND(0.010) [ND(0.010)]	ND(0.0052) ND(0.010)	NA NA
Benzo(a)anthracene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.010)	NA NA
Benzo(a)pyrene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Benzo(b)fluoranthene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Benzo(g,h,i)perylene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Benzo(k)fluoranthene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Benzyl Álcohol	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA
bis(2-Chloroethoxy)methane	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
bis(2-Chloroethyl)ether	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
bis(2-Chloroisopropyl)ether	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Butylbenzylphthalate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Chrysene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Diallate	NA NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Dibenzo(a,h)anthracene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Dibenzofuran Diethylphthalate	NA NA	NA NA	ND(0.0050) [ND(0.0050)] ND(0.0050) [ND(0.0050)]	ND(0.0052) ND(0.0052)	NA NA
Dimethylphthalate	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Di-n-Butylphthalate	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Di-n-Octylphthalate	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Diphenylamine	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Ethyl Methanesulfonate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Fluoranthene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Fluorene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Hexachlorobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Hexachlorobutadiene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Hexachlorocyclopentadiene	NA	NA	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
Hexachloroethane	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Hexachlorophene	NA	NA	ND(0.0050) J [ND(0.0050) J]	ND(0.0052) J	NA
Hexachloropropene	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Indeno(1,2,3-cd)pyrene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Isodrin	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Isophorone	NA NA	NA NA	ND(0.0050) [ND(0.0050)] ND(0.0050) [ND(0.0050)]	ND(0.0052) ND(0.0052)	NA NA
Isosafrole Methapyrilene	NA NA	NA NA	ND(0.0050) J [ND(0.0050) J]	ND(0.0052) ND(0.0052) J	NA NA
Methyl Methanesulfonate	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052) 3	NA NA
Naphthalene	ND(0.00010)	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Nitrobenzene	NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
N-Nitrosodiethylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosodimethylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitroso-di-n-butylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitroso-di-n-propylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosomethylethylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosomorpholine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosopiperidine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosopyrrolidine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
o,o,o-Triethylphosphorothioate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
o-Toluidine	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
p-Dimethylaminoazobenzene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Pentachlorobenzene	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Pentachloroethane	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
Pentachloronitrobenzene Pentachloronhanol	NA NA	NA NA	ND(0.0050) [ND(0.0050)] ND(0.025) [ND(0.025)]	ND(0.0052) ND(0.026)	NA NA
Pentachlorophenol Phenacetin	NA NA	NA NA	ND(0.025) [ND(0.025)] ND(0.0050) [ND(0.0050)]	ND(0.026) ND(0.0052)	NA NA
Phenacetin Phenanthrene	NA NA	NA NA	ND(0.0050) [ND(0.0050)] ND(0.0050) [ND(0.0050)]	ND(0.0052) ND(0.0052)	NA NA
Phenol	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA NA
1 1101101	I N/A	11/7	145(0.0000) [145(0.0000)]	140(0.0002)	1 1/7

Table B-1 Spring 2008 Groundwater Analytical Results

	Site ID:	Lyman S	treet Area	Ne	Newell St. Area II					
Parameter	Sample ID: Date Collected:	LSSC-16S 04/08/08	LSSC-18 04/08/08	GMA1-25 04/09/08	GMA1-27 04/09/08	N2SC-07S 04/09/08				
Pronamide		NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA				
Pyrene		NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA				
Pyridine		NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052) J	NA				
Safrole		NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA				
Thionazin		NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA				
Inorganics-Filte	ered		•			•				
Antimony		NA	NA	NA	NA	NA				
Arsenic		NA	NA	NA	NA	NA				
Barium		NA	NA	NA	NA	NA				
Beryllium		NA	NA	NA	NA	NA				
Cadmium		NA	NA	NA	NA	NA				
Chromium		NA	NA	NA	NA	NA				
Cobalt		NA	NA	NA	NA	NA				
Copper		NA	NA	NA	NA	NA				
Cyanide-MADER	P (PAC)	NA	NA	NA	NA	NA				
Lead		NA	NA	NA	NA	NA				
Mercury		NA	NA	NA	NA	NA				
Nickel		NA	NA	NA	NA	NA				
Selenium		NA	NA	NA	NA	NA				
Silver		NA	NA	NA	NA	NA				
Thallium		NA	NA	NA	NA	NA				
Tin		NA	NA	NA	NA	NA				
Vanadium		NA	NA	NA	NA	NA				
Zinc		NA	NA	NA	NA	NA				

#### Notes:

- Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, semivolatiles and metals (filtered).
- Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007).
- NA Not Analyzed.
- 4. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 5. Field duplicate sample results are presented in brackets.

### Data Qualifiers:

#### Organics (volatiles, PCBs, semivolatiles)

- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.

### Inorganics

- B Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit PQL.
- J Indicates that the associated numerical value is an estimated concentration.

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## Appendix C

Historical Groundwater Data

Table C-1
Summary Of Historical Groundwater Analytical Results For Chlorobenzene And 1,4-Dichlorobenzene - Well 3-6C-EB-14

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Parameter	Sample ID: Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics										
Chlorobenzene		1	10	5/6	0.28	1.4	0.535	0.590	0.188	0.480
Semivolatile Organics										
1,4-Dichlorob	enzene	8	80	5/5	0.65	5.8	3.20	3.23	2.55	2.02

- 1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
- 2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
- 3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-2
Summary Of Historical Groundwater Analytical Results For Total PCBs And WHO TEFs And Lead - Well E2SC-23

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Sample	e ID: Method 1 GW-3	MCP UCL	Detection	Minimum	Maximum	Median	Arithmetic	Geometric	Standard			
Parameter Date Collect	ted: Standards	for GroundWater	Frequency	Detect	Detect	Value	Average	Mean	Deviation			
PCBs-Unfiltered												
Total PCBs	Not Applicable	0.1	4/4	0.00313	0.84	0.00865	0.215	0.0186	0.417			
PCBs-Filtered	PCBs-Filtered											
Total PCBs	0.01	0.1	8/9	0.000044	0.0103	0.00130	0.00206	0.000643	0.00314			
Dioxins												
Total TEQs (WHO TEFs)	1.00E-07	1.00E-06	4/4	4.10E-11	1.00E-06	4.35E-09	2.52E-07	5.23E-09	4.99E-07			
Inorganics-Filtered	norganics-Filtered											
Lead	0.01	0.15	1/4	0.015	0.015	0.00200	0.00513	0.00303	0.00660			

- 1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
- 2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
- 3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-3
Summary Of Historical Groundwater Analytical Results For Chlorobenzene - Well ES2-2A

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Parameter	Sample ID: Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics										
Chlorobenze	ne	1	10	5/6	0.13	2.1	1.15	1.04	0.259	0.841

- 1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
- 2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
- 3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

# Table C-4 Summary Of Historical Groundwater Analytical Results For Chlorobenzene - Well ESA2S-52

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Davamatav	Sample ID: Date Collected:	Method 1 GW-3		Detection		Maximum		Arithmetic	Geometric	Standard
Parameter	Date Collected:	Standards	for GroundWater	Frequency	Detect	Detect	Value	Average	Mean	Deviation
Volatile Organics										
Chlorobenze	ene	1	10	4/4	4.4	7.7	6.10	6.08	5.93	1.53

- 1. Samples were collected by ARCADIS between 2001 and 2003 and submitted to SGS Environmental Services, Inc. for analysis.
- 2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
- 3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

# Table C-5 Summary Of Historical Groundwater Analytical Results For Chlorobenzene - Well ESA2S-64

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Parameter	Sample ID: Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation	
Volatile Organics											
Chlorobenze	ne	1	10	6/6	0.14	0.73	0.495	0.470	0.407	0.237	

- 1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
- 2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
- 3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

#### Table C-6 Summary Of Historical Groundwater Analytical Results For Chlorobenzene - Well HR-G3-MW-1

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Parameter	Sample ID: Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics										
Chlorobenze	ne	1	10	4/4	0.89	2.2	1.60	1.57	1.49	0.542

#### Notes:

- 1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
- 2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
- 3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-7
Summary Of Historical Groundwater Analytical Results For Total PCBs - Well LSSC-08I

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Sample ID: Parameter Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
PCBs-Unfiltered									
Total PCBs	Not Applicable	0.1	1/1	0.29	0.29	0.290	0.290	0.290	NA
PCBs-Filtered									
Total PCBs	0.01	0.1	1/1	0.005	0.005	0.00500	0.00500	0.00500	NA

#### Notes:

- 1. Sample was collected by ARCADIS in 2003and submitted to SGS Environmental Services, Inc. for analysis.
- 2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
- 3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

#### Table C-8 Summary Of Historical Groundwater Analytical Results For Total PCBs - Well LSSC-18

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Sample ID: Parameter Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
PCBs-Filtered									
Total PCBs	0.01	0.1	6/11	0.000051	0.0062	0.0000770	0.000710	0.000133	0.00183

#### Notes:

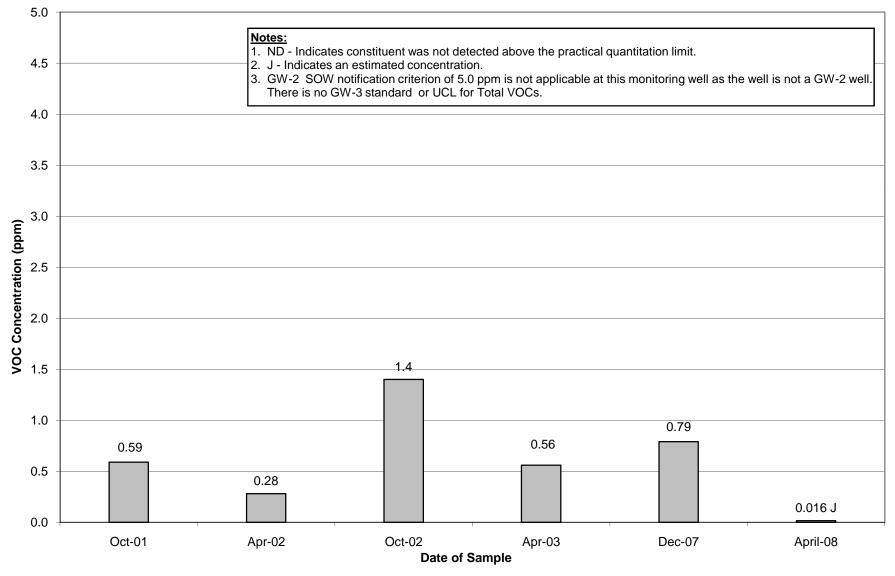
- 1. Sample s were collected by ARCADIS between 2001and 2008 and submitted to SGS Environmental Services, Inc. and Northeast Analytical, Inc. for analysis.
- 2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
- 3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

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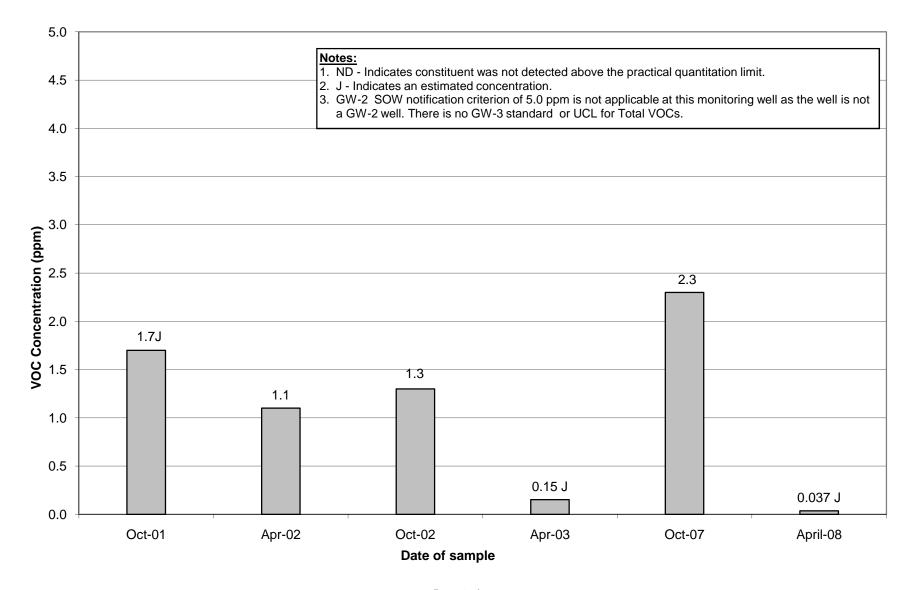
#### **Historical Groundwater Data**

Total VOC Concentrations – Wells Sampled in Spring 2008

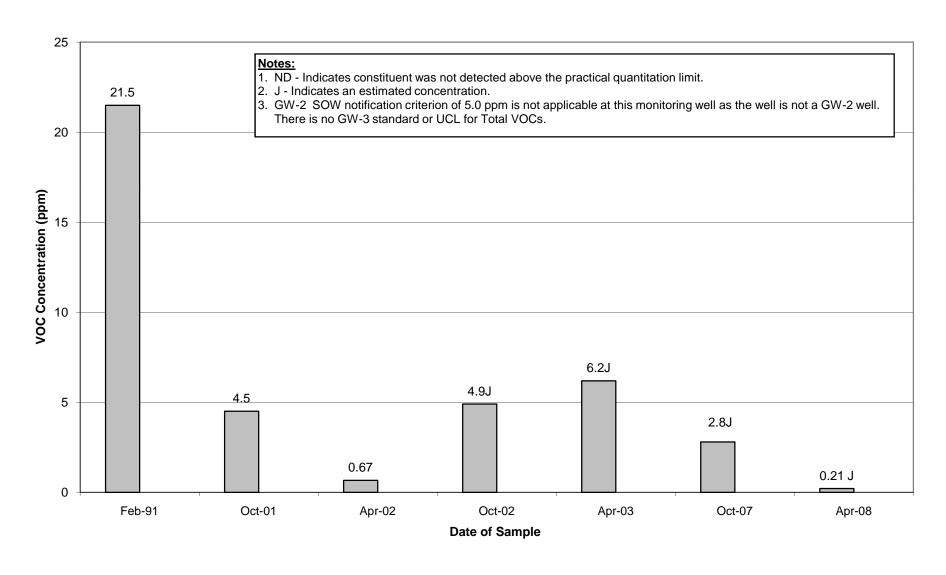
Appendix C
Well 3-6C-EB-14 Historical VOC Concentrations



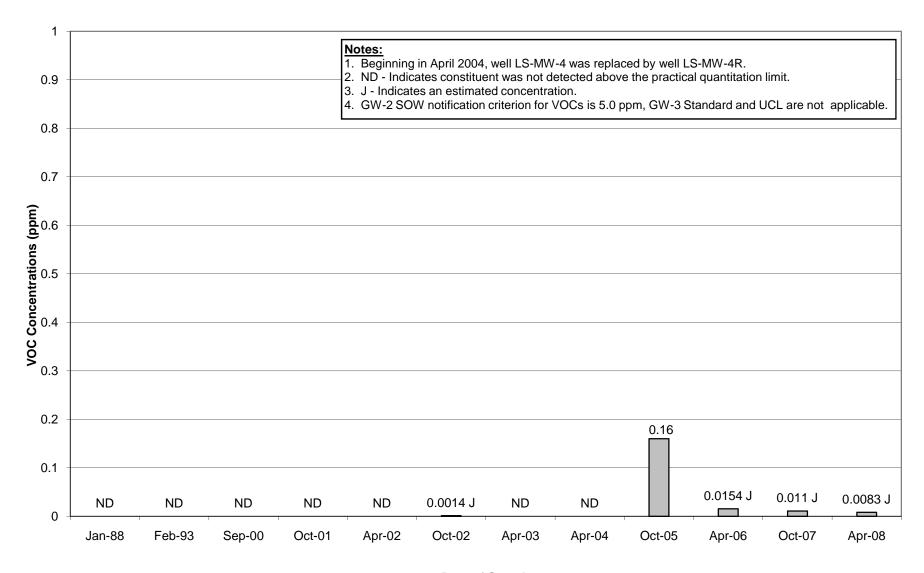
Appendix C
Well ES2-02A Historical VOC Concentrations



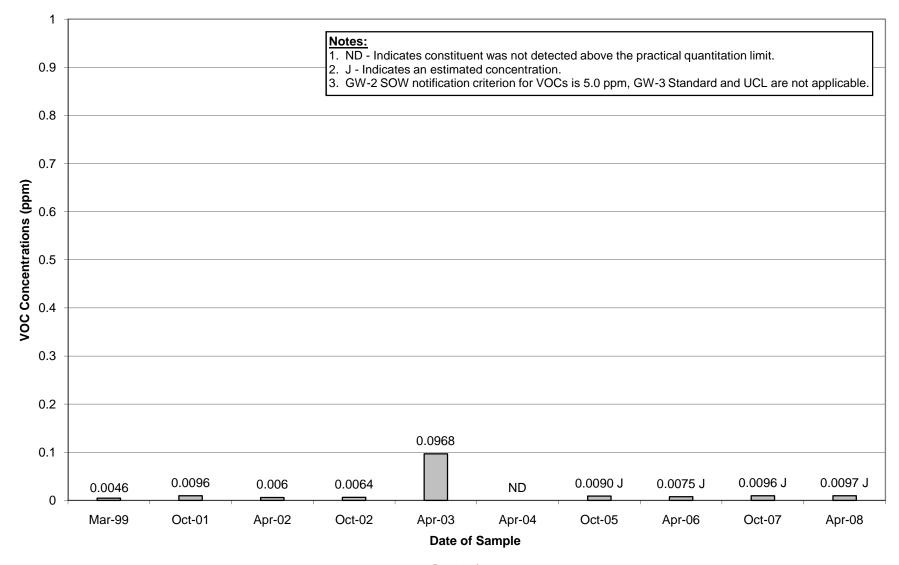
Appendix C
Well ESA2S-64 Historical VOC Concentrations



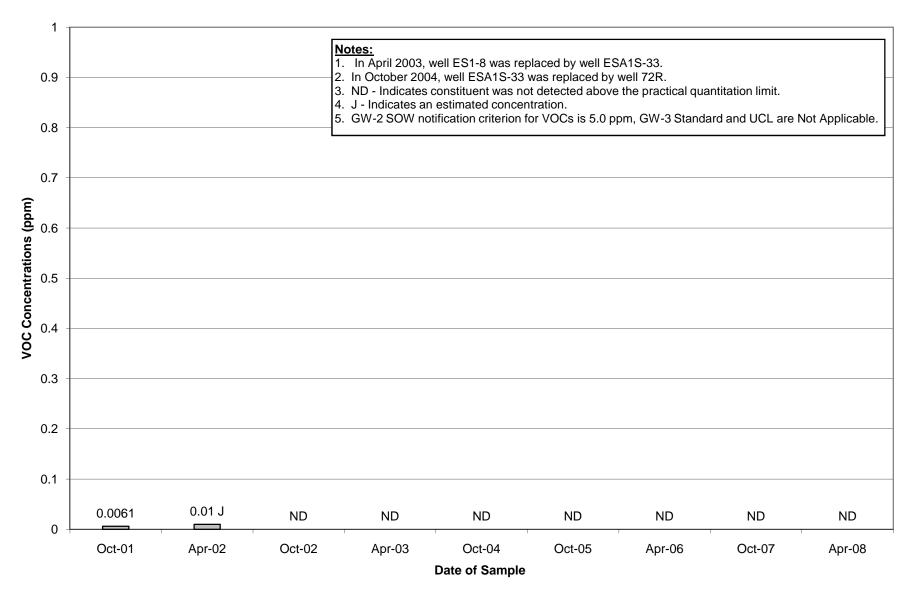
Appendix C
Well LS-MW-4 & LS-MW-4R Historical VOC Concentrations



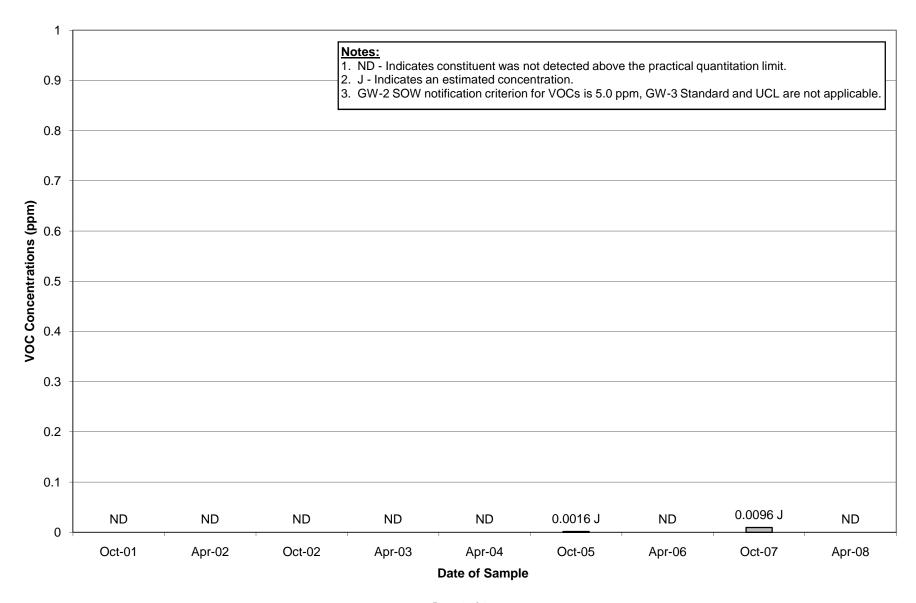
Appendix C
Well LSSC-16S Historical VOC Concentrations



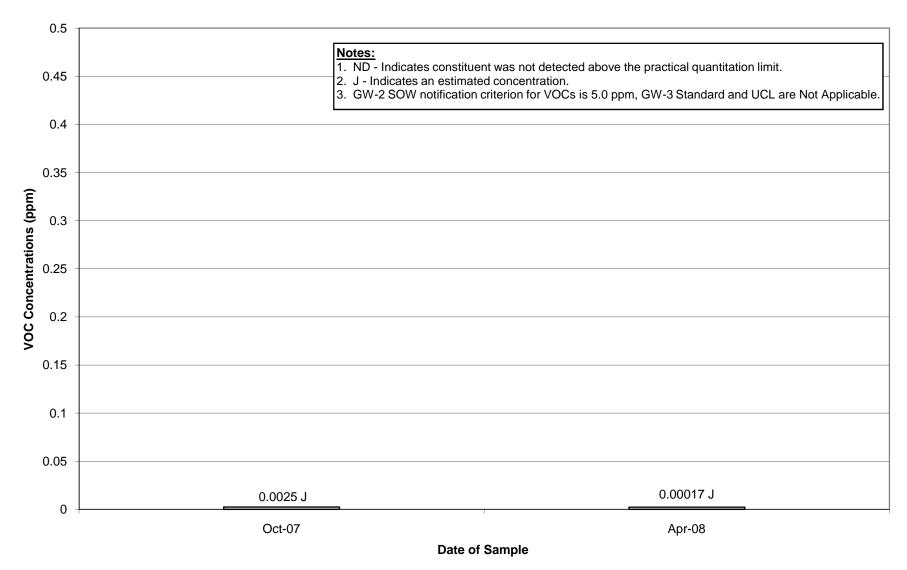
#### Appendix C Well ES1-8 & ESA1S-33 & 72R Historical VOC Concentrations



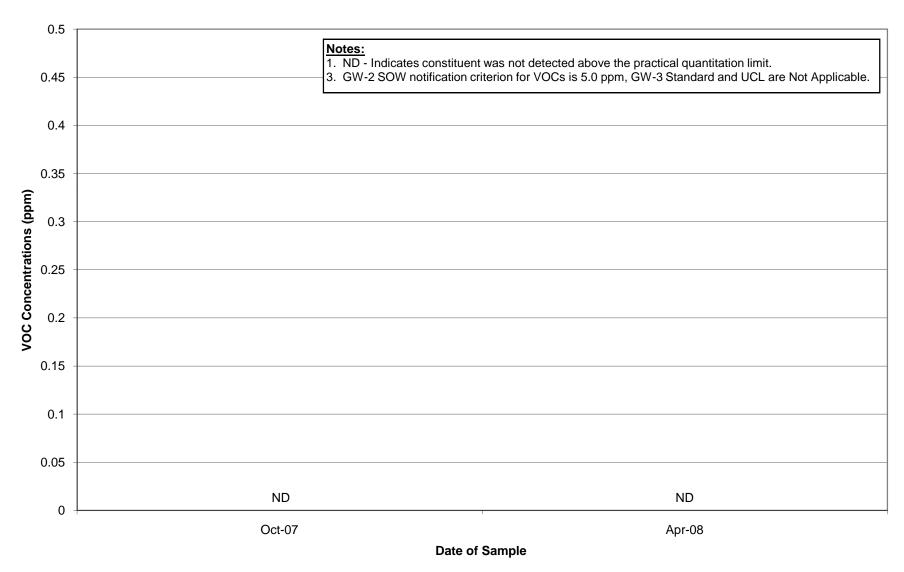
Appendix C
Well GMA1-6 Historical VOC Concentrations



#### Appendix C Well GMA1-25 Historical VOC Concentrations



Appendix C
Well GMA1-27 Historical VOC Concentrations

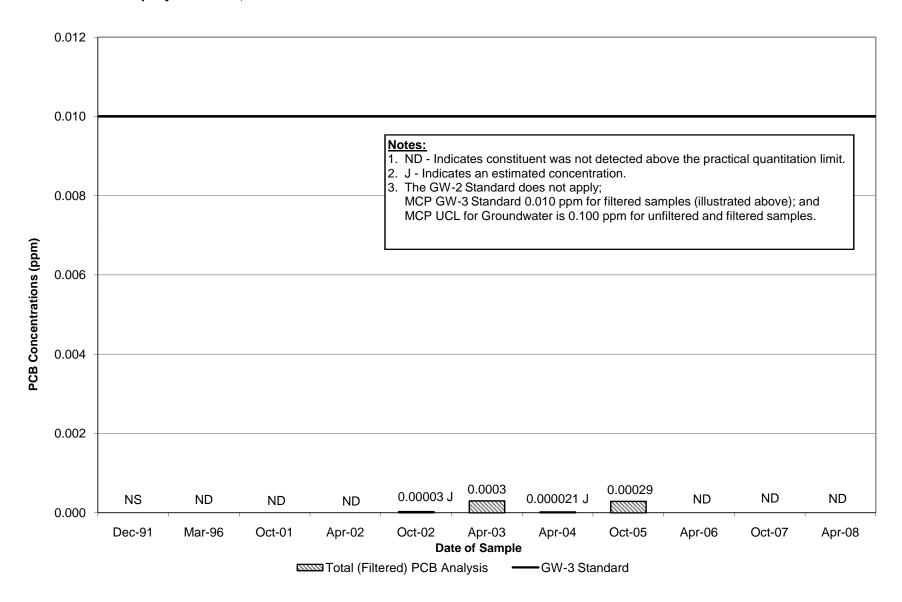


#### **ARCADIS**

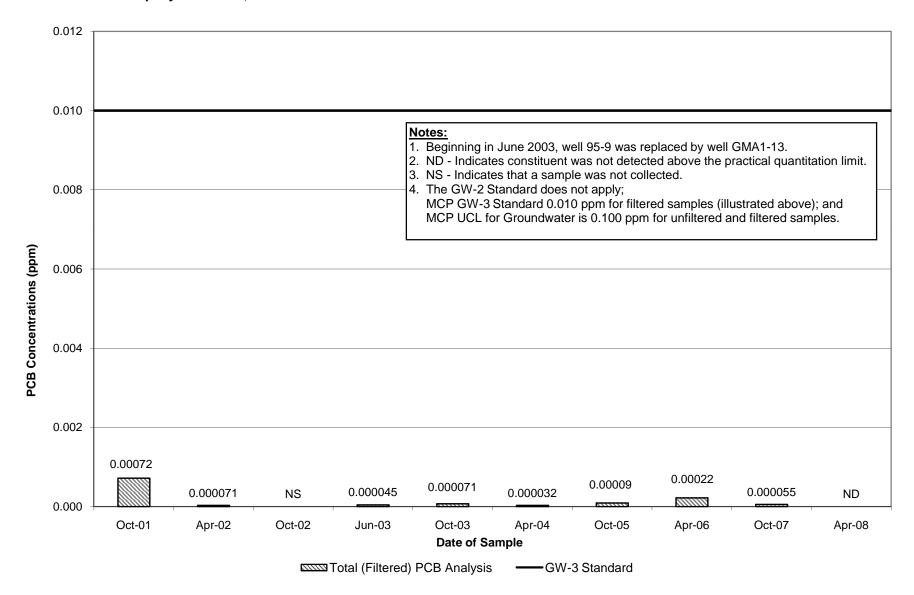
#### **Historical Groundwater Data**

Total PCB Concentrations – Wells Sampled in Spring 2008

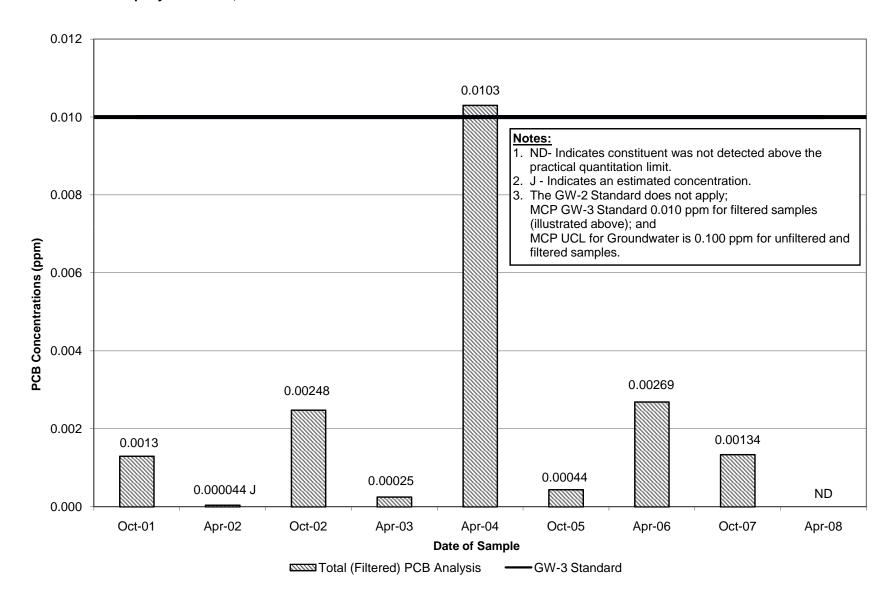
Appendix C
Well RF-02 Historical PCB Concentrations



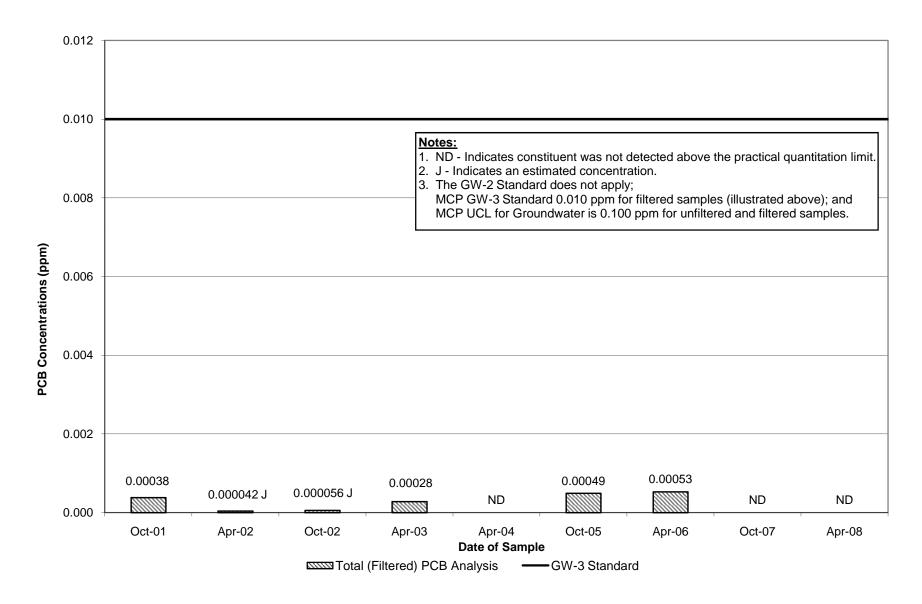
Appendix C
Well 95-9 & GMA1-13 Historical PCB Concentrations



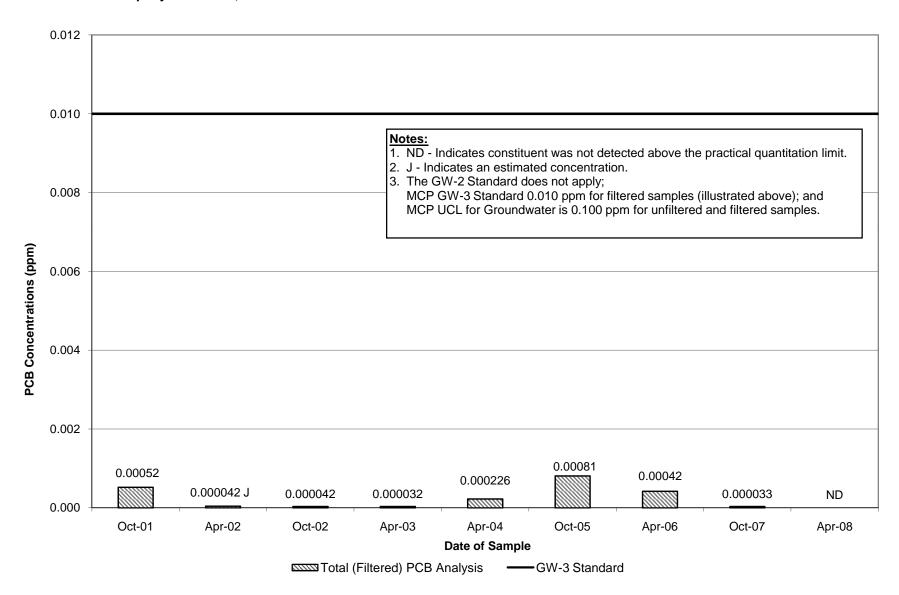
Appendix C
Well E2SC-23 Historical PCB Concentrations



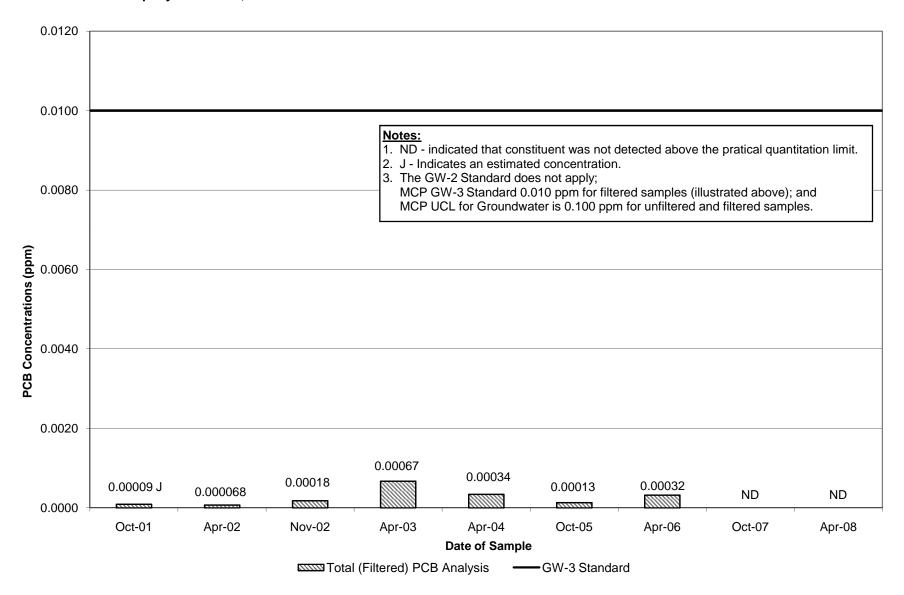
Appendix C
Well E2SC-24 Historical PCB Concentrations



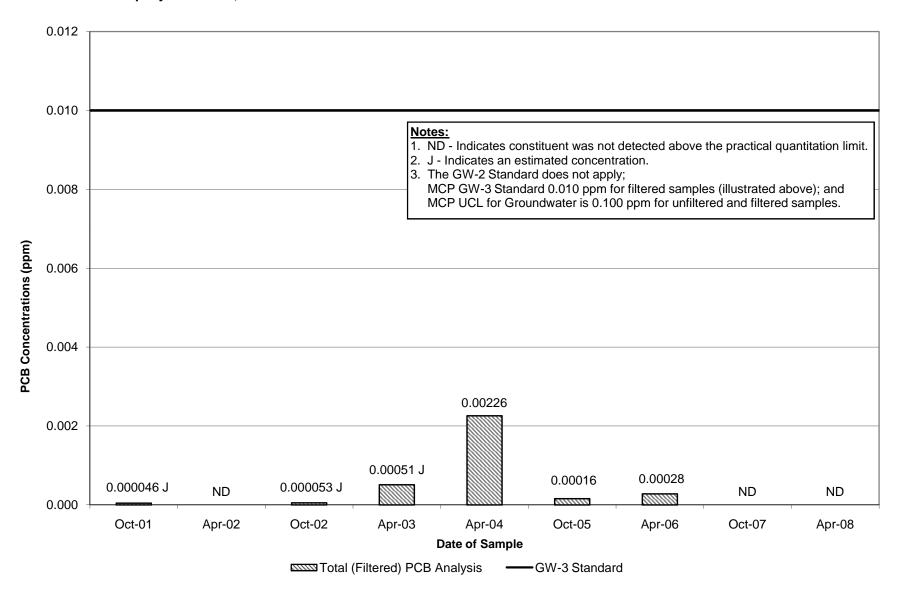
Appendix C
Well HR-G3-MW-1 Historical PCB Concentrations



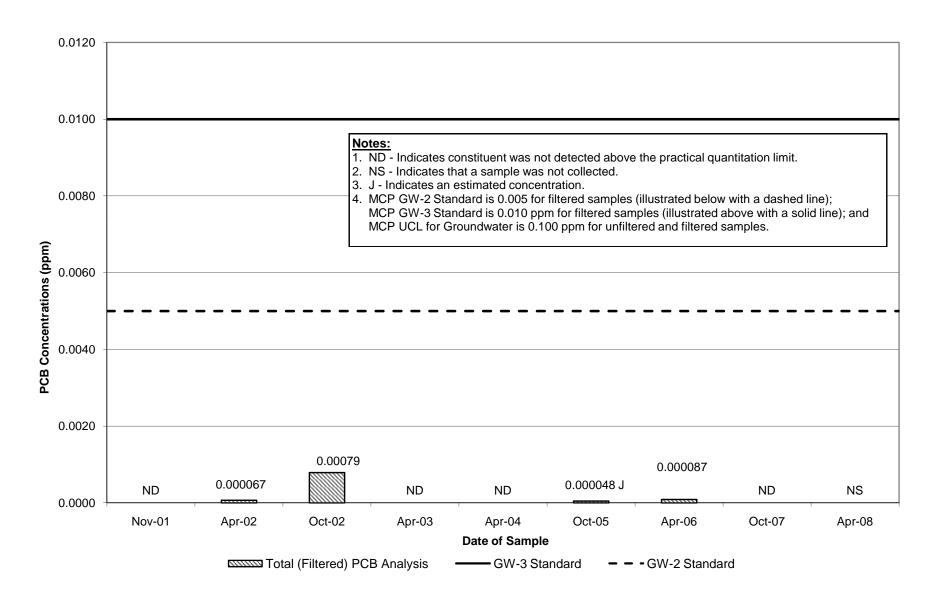
#### Appendix C Well ES1-05 Historical PCB Concentrations



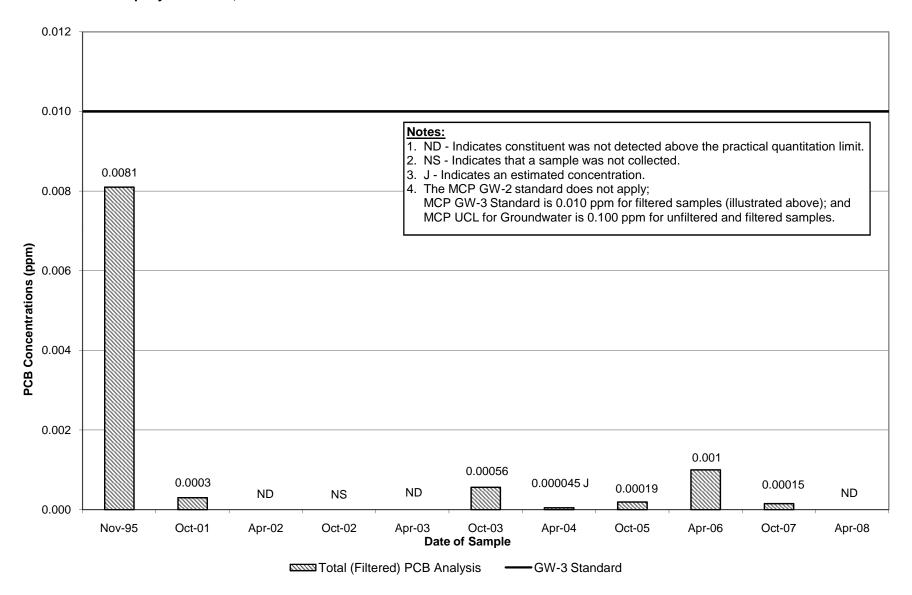
Appendix C
Well ES1-27R Historical PCB Concentrations



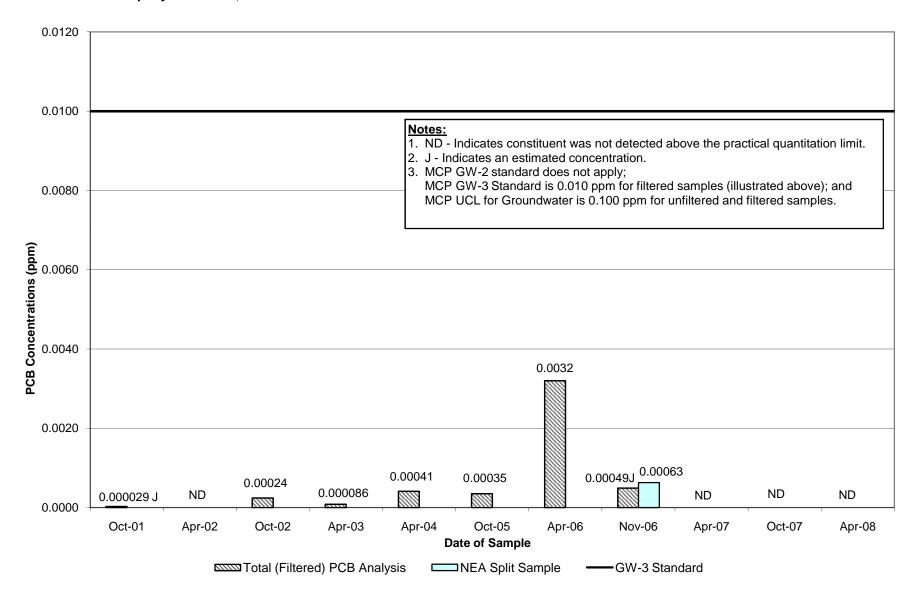
#### Appendix C Well ESA1N-52 Historical PCB Concentrations



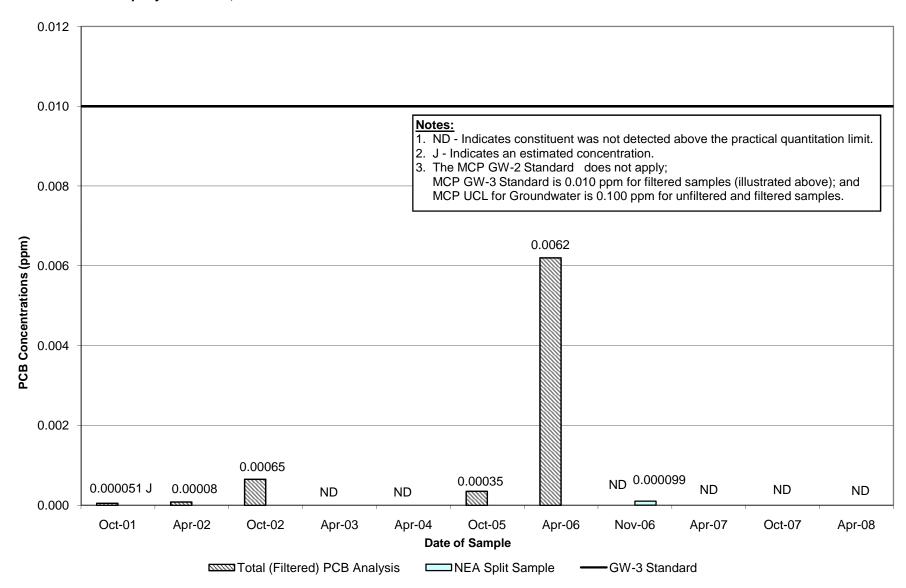
Appendix C
Well LS-29 Historical PCB Concentrations



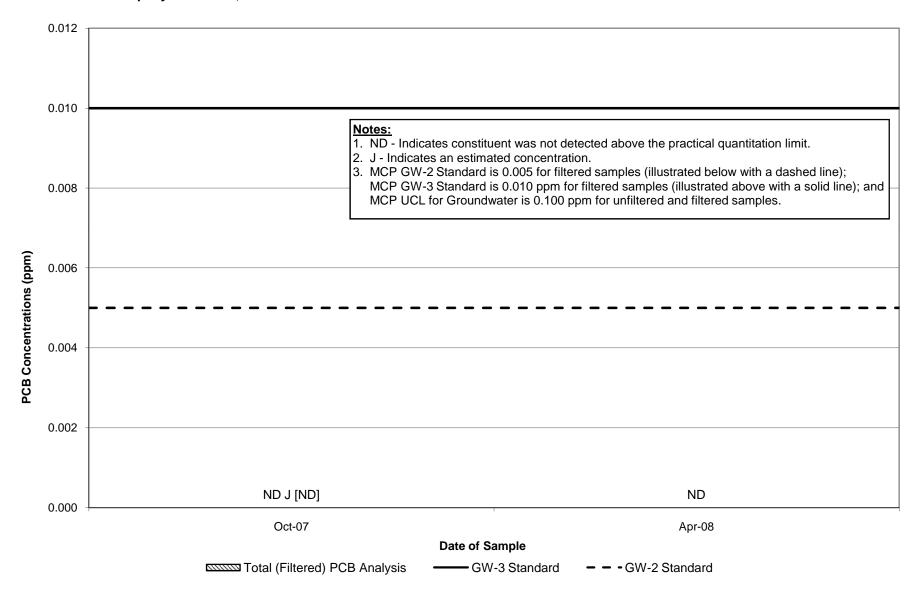
Appendix C
Well LSSC-08S Historical PCB Concentrations



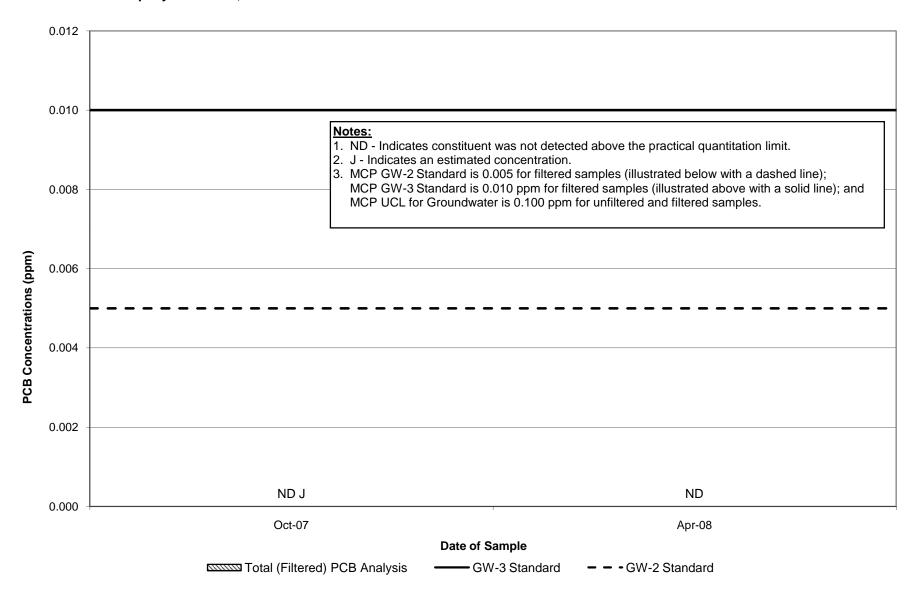
Appendix C
Well LSSC-18 Historical PCB Concentrations



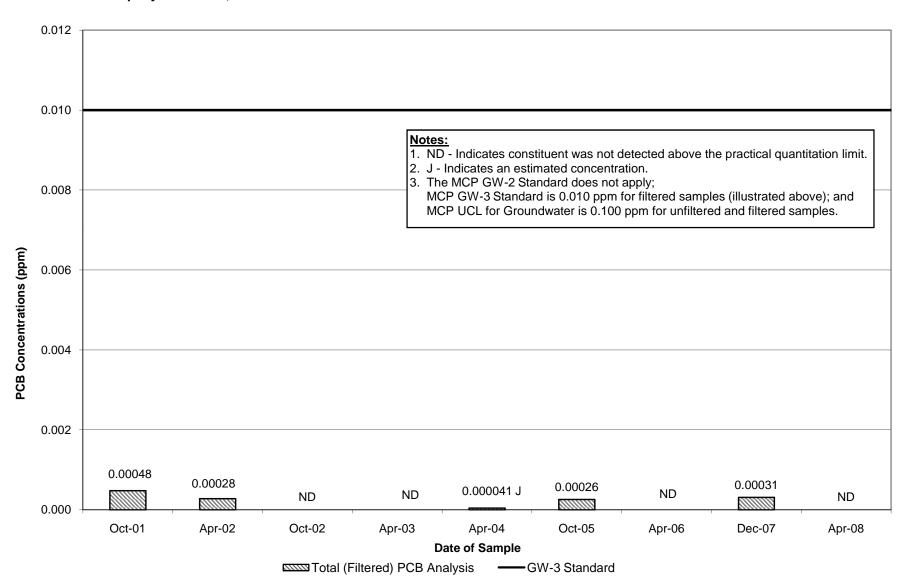
#### Appendix C Well GMA1-25 Historical PCB Concentrations



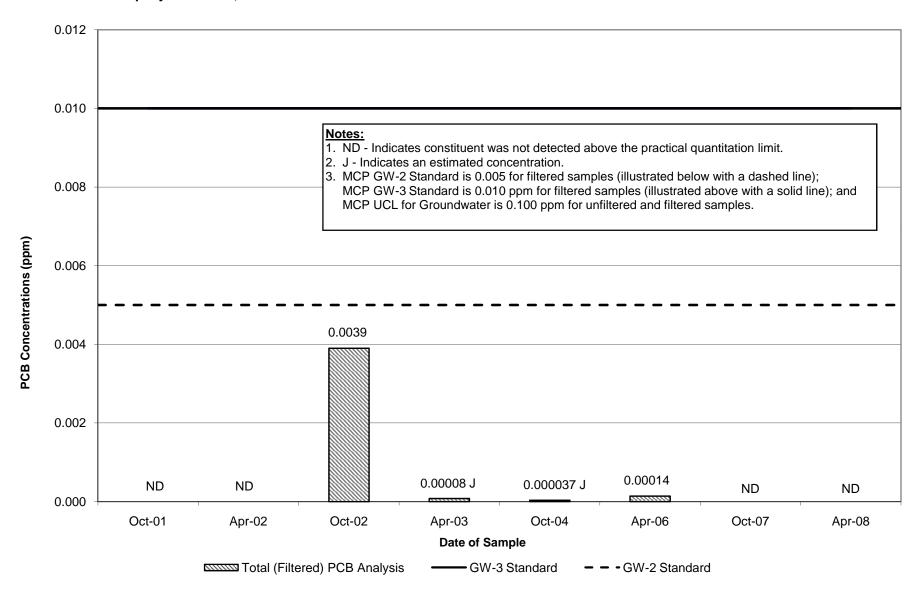
#### Appendix C Well GMA1-27 Historical PCB Concentrations



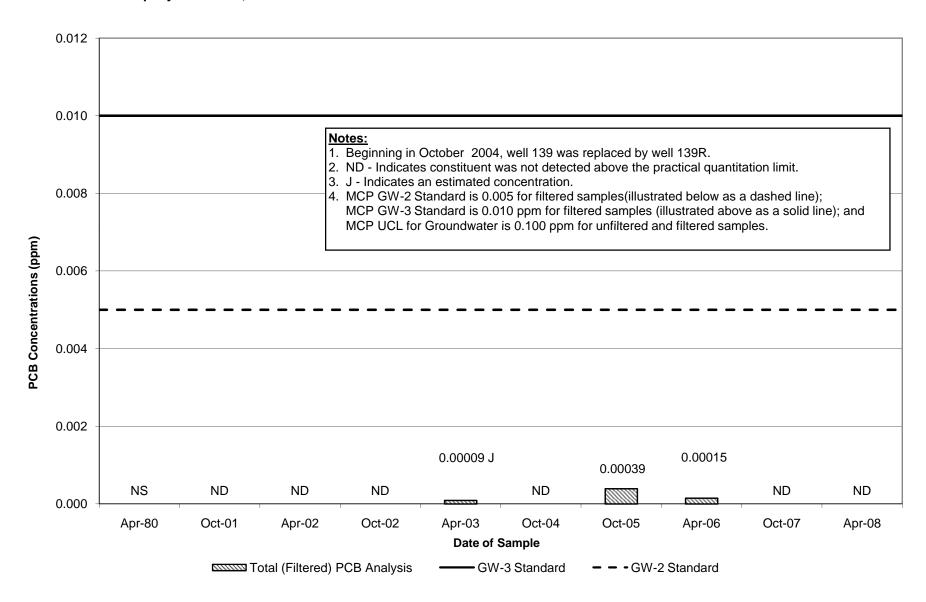
#### Appendix C Well N2SC-07S Historical PCB Concentrations



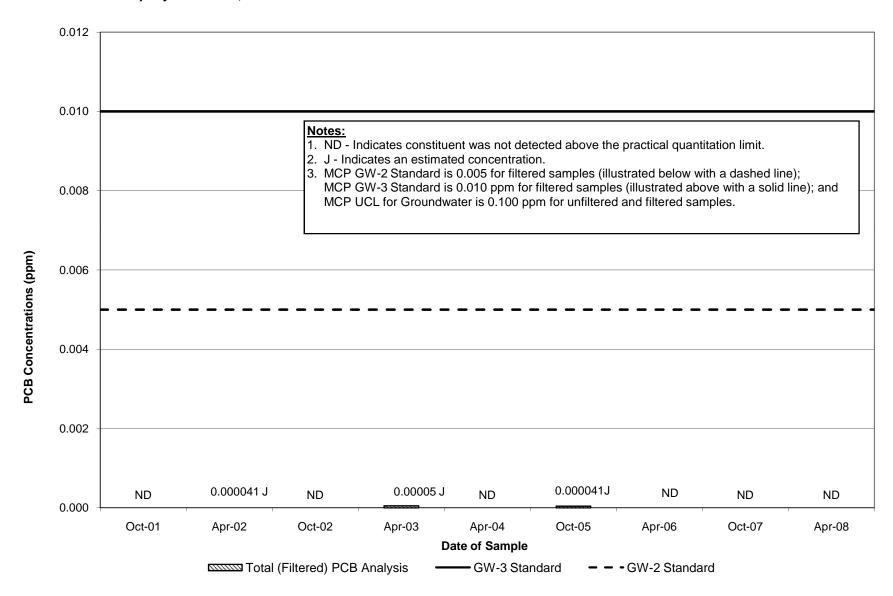
Appendix C
Well ES1-8, ESA1S-33, & 72R Historical PCB Concentrations



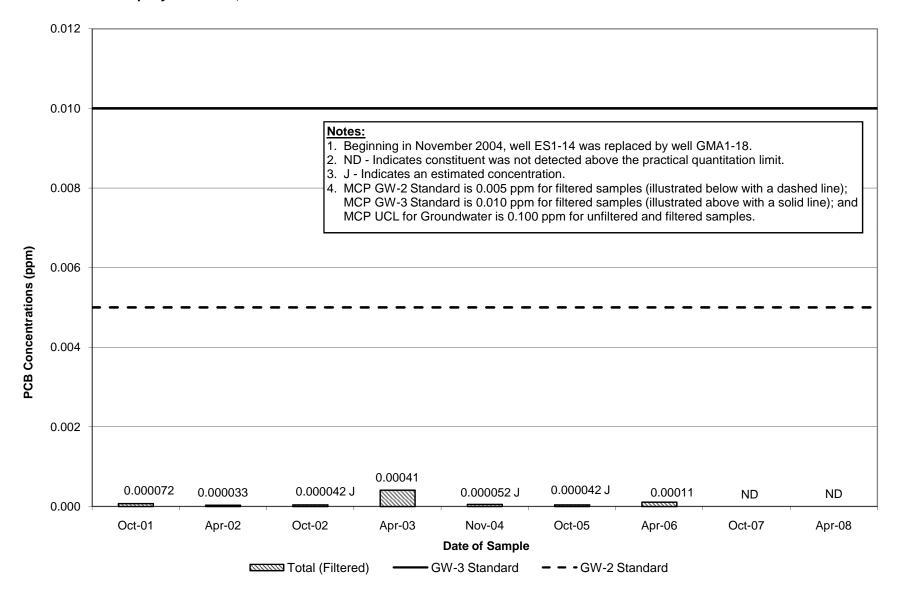
Appendix C
Well 139 & 139R Historical PCB Concentrations



#### Appendix C Well GMA1-6 Historical PCB Concentrations



Appendix C
Well ES1-14 & GMA1-18 Historical PCB Concentrations

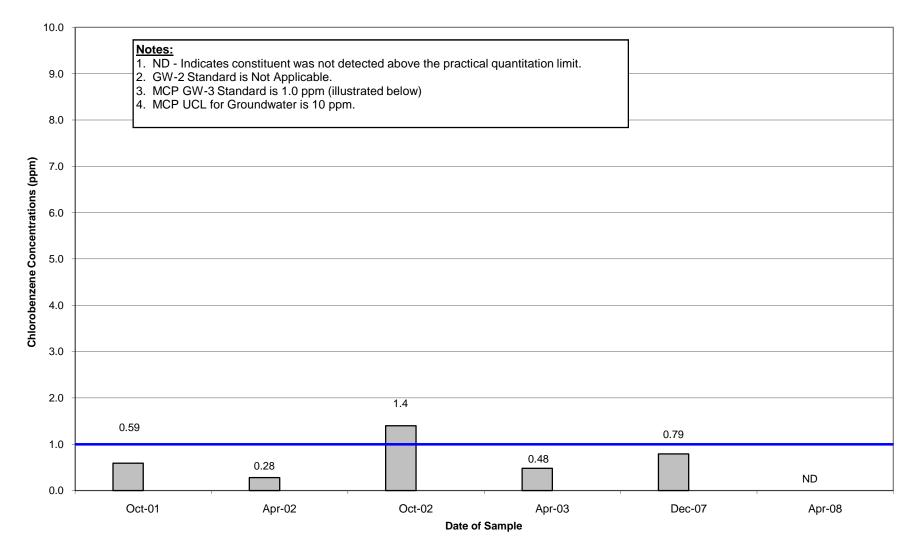


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#### **Historical Groundwater Data**

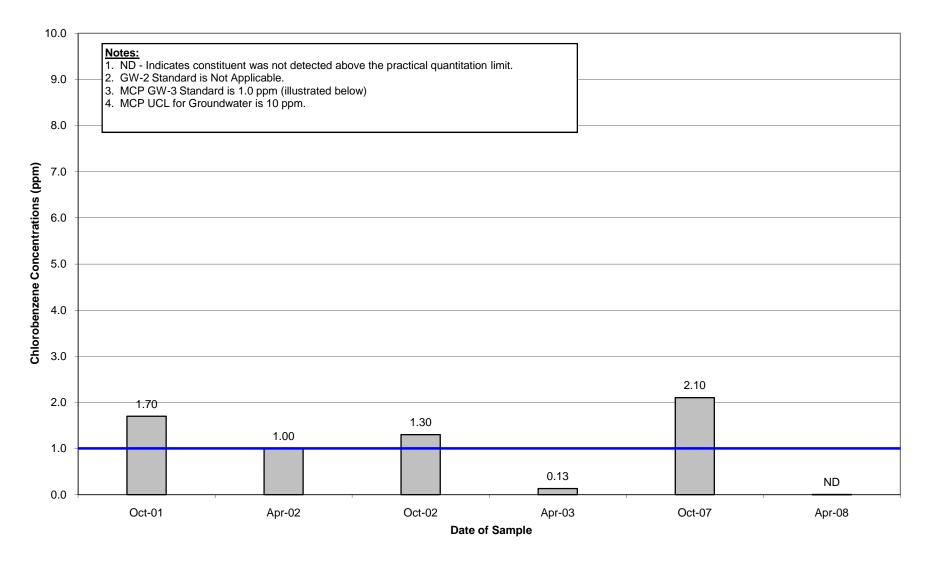
Chlorobenzene Concentrations – Selected Wells Sampled in Spring 2008

#### Appendix C Well 3-6C-EB-14 Historical Chlorobenzene Concentrations



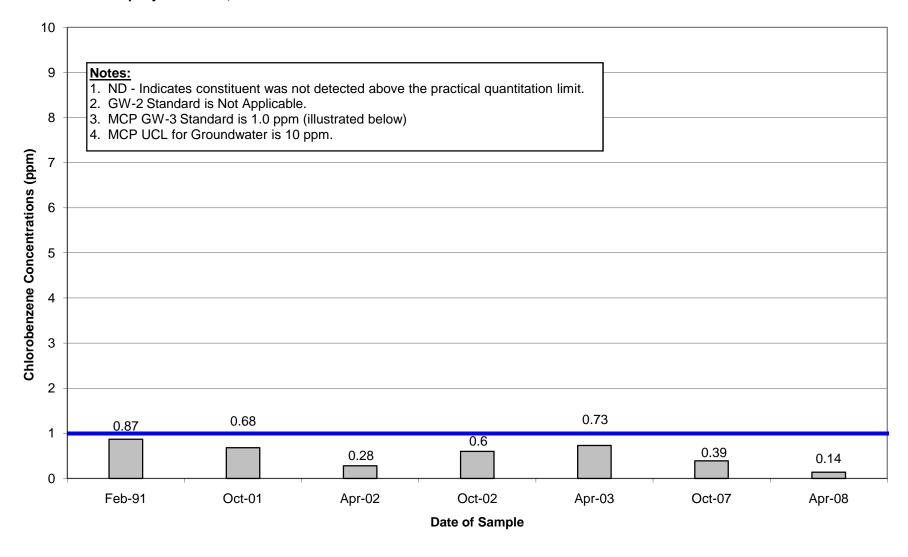
Page 1 of 1

#### Appendix C Well ES2-02A Historical Chlorobenzene Concentrations



Page 1 of 1

Appendix C
Well ESA2S-64 Historical Chlorobenzene Concentrations



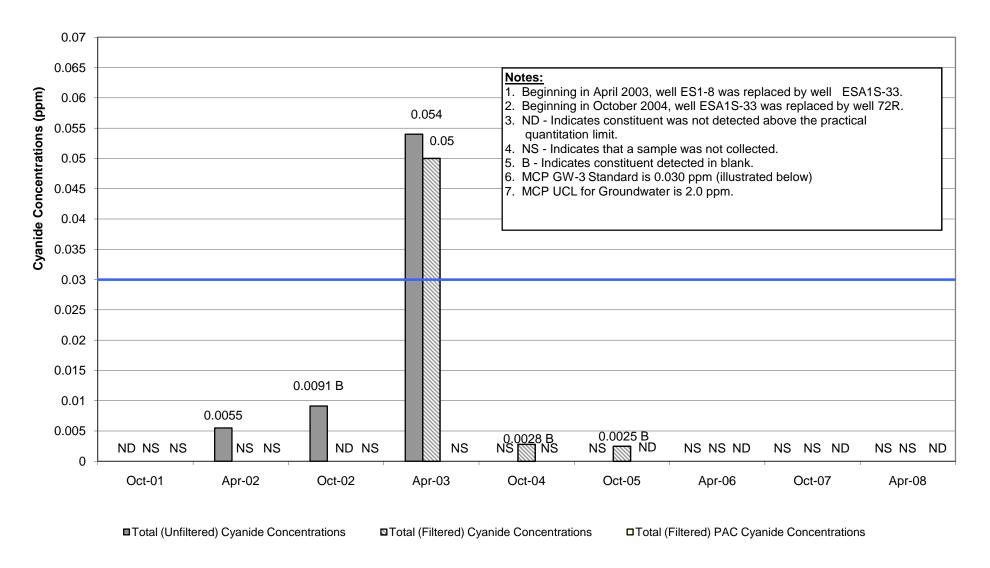
## **ARCADIS**

### **Historical Groundwater Data**

Cyanide Concentrations – Selected Wells Sampled in Spring 2008

Appendix C Well ES1-8, ESA1S-33, and 72R Unfiltered, Filtered Total, and Physiologically Available Cyanide Concentrations

# **Groundwater Management Area 1 General Electric Company - Pittsfield, Massachusetts**



# **ARCADIS**

### Appendix D

Data Validation Report

Appendix D
Groundwater Sampling Data Validation Report
Groundwater Management Area 1 – Spring 2008

General Electric Company Pittsfield, Massachusetts

#### 1.0 General

This attachment summarizes the data validation review performed on behalf of the General Electric Company (GE) for groundwater samples collected in April 2008 as part of groundwater quality monitoring activities conducted at Groundwater Management Area 1, located within the General Electric Company/Housatonic River Site in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents - benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for 19 PCB samples, 15 volatile organic compound (VOC) samples, four semi-volatile organic compound (SVOC) samples, three metal samples, and three cyanide samples.

#### 2.0 Data Evaluation Procedures

This attachment outlines the applicable quality control criteria utilized during the data review process and any deviations from those criteria. The data review was conducted in accordance with the following documents:

- Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (as submitted by GE on March 30, 2007 following approval by EPA on March 15, 2007);
- Region I Tiered Organic and Inorganic Data Validation Guidelines, USEPA Region I (July 1, 1993);
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses, USEPA Region I (June 13, 1988) (Modified February 1989); and
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, USEPA Region I (Draft, December 1996).

The data were validated to either a Tier I or Tier II level, as described below. Any deviations from the applicable quality control criteria utilized during the data review process are identified below. A tabulated summary of the Tier I/Tier II data review is presented in Table D-1. Each sample subject to evaluation is listed in Table D-1 to document that data review was performed. Samples that required data qualification are listed separately.

The following data qualifiers were used in this data evaluation:

- J The compound was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound is detected at an estimated concentration less than the corresponding practical quantitation limit (PQL).
- U The compound was analyzed for, but was not detected. The sample quantitation limit is presented. Non-detect sample results are presented as ND(PQL) within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detect sample results that required qualification are presented as ND(PQL) J within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.
- R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purpose.

#### 3.0 Data Validation Procedures

Section 7.5 of the FSP/QAPP states that analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (EPA guidelines). The Tier I review consisted of a completeness evidence audit, as outlined in the *EPA Region I CSF Completeness Evidence Audit Program* (EPA Region I, July 31, 1991), to ensure that laboratory data and documentation were present. In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the EPA Region I Tier I data completeness requirements.

The Tier II data review consisted of a review of data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. Additionally, field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

A tabulated summary of the samples subject to Tier I and Tier II data review is presented in the following table.

Summary of Samples Subjected to Tier I and Tier II Data Validation

		Tier I Only		Tier I &Tier II			
Parameter	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	Total
PCBs	0	0	0	17	1	1	19
VOCs	0	0	0	9	1	5	15
SVOCs	0	0	0	2	1	1	4
Metals	0	0	0	1	1	1	3

#### Summary of Samples Subjected to Tier I and Tier II Data Validation

		Tier I Only		Tier I &Tier II			
Parameter	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	Total
Cyanide	0	0	0	1	1	1	3
Total	0	0	0	30	5	9	44

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in EPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented in Section 4 below.

#### 4.0 Summary of QA/QC Parameter Deviations Requiring Data Qualification

This section provides a summary of the deviations from the applicable QA/QC criteria that resulted in qualification of results.

The initial calibration criterion for organic analyses requires that the average relative response factor (RRF) has a value greater than 0.05. Sample results were qualified as estimated (J) when this criterion was not achieved. The compounds that did not achieve the initial calibration criterion and the number of samples qualified are presented in the following table.

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,2-Dibromo-3-chloropropane	15	J
	1,4-Dioxane	15	J
	2-Butanone	15	J
	2-Chloroethylvinylether	14	J
	Acetone	15	J
	Acetonitrile	15	J
	Acrolein	15	J
	Acrylonitrile	15	J
	Isobutanol	15	J
	Methacrylonitrile	13	J
	Propionitrile	15	J
	trans-1,4-Dichloro-2-butene	15	J
	4-Phenylenediamine	4	J
SVOCs	Hexachlorocyclopentadiene	4	J
	Hexachlorophene	4	J

The continuing calibration criterion requires that the percent difference (%D) between the initial calibration RRF and the continuing calibration RRF for VOCs and SVOCs be less than 25%. Sample data for detect and non-detect compounds with %D values that exceeded the continuing calibration criteria were qualified as estimated (J). A summary of the compounds that exceeded the continuing calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	5	J
	2-Hexanone	5	J
	Acetonitrile	1	J
	Acrolein	12	J
	Bromomethane	2	J
	Chloroethane	3	J
	Chloromethane	5	J
	Isobutanol	8	J
SVOCs	2,4-Dinitrophenol	1	J
	2-Naphthylamine	1	J
	4,6-Dinitro-2-methylphenol	1	J
	4-Nitroquinoline-1-oxide	1	J
	4-Phenylenediamine	1	J
	Methapyrilene	4	J

Contract required detection limit (CRDL) standards were analyzed to evaluate instrument performance at low-level concentrations that are near the analytical method PQL. These standards are required to have recoveries between 80% and 120% to verify that the analytical instrumentation was properly calibrated. When CRDL standard recoveries were outside these control limits, the affected samples with detected results at or near the PQL concentration (i.e., less than three times the PQL) were qualified as estimated (J). The analytes that did not meet CRDL criteria and the number of samples qualified due to those deviations are presented in the following table.

**Analytes Qualified Due to CRDL Standard Recovery Deviations** 

Analysis	Analyte	Number of Affected Samples	Qualification
Inorganics	Arsenic	3	J
	Chromium	3	J
	Copper	3	J
	Lead	3	J
	Nickel	3	J
	Silver	3	J
	Thallium	3	J
	Tin	3	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery must be within the laboratory-generated QC control limits specified on the MS reporting form. Sample results with MS/MSD recoveries that were less than the laboratory-generated QC control limits and have recoveries greater than 10% were qualified as estimated (J). Non-detect organic sample results that exhibited MS/MSD recoveries less than 10% were qualified as rejected (R). The compounds that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

#### Compounds Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	2-Chloroethylvinylether	1	R
SVOCs	Pyridine	1	J

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analysis recovery criteria for organics must be within the laboratory-generated QC acceptance limits specified on the LCS/LCSD reporting form. Organic sample results associated with the LCS/LCSD that exceeded laboratory-generated QC acceptance limits were qualified as estimated (J). The compounds that did not meet LCS/LCSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

#### Compounds Qualified Due to LCS/LCSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	1	J
VOCs	Trichlorofluoromethane	1	J

LCS/LCSD sample analysis recovery criteria for organics require that the RPD between the LCS and LCSD recoveries be less than the laboratory-generated QC acceptance limits specified on the LCS/LCSD reporting form. The compounds that exceeded the RPD limit and the number of samples qualified due to deviations are presented in the following table.

Compounds Qualified Due to LCS/LCSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Trichlorofluoromethane	5	J
SVOCs	1,2,4-Trichlorobenzene	1	J
	1,2-Dichlorobenzene	1	J
	1,3-Dichlorobenzene	1	J
	1,4-Dichlorobenzene	1	J
	1-Naphthylamine	1	J
	2,4,5-Trichlorophenol	1	J
	2,4,6-Trichlorophenol	1	J
	2,4-Dichlorophenol	1	J
	2,4-Dimethylphenol	1	J

### Compounds Qualified Due to LCS/LCSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	2,4-Dinitrophenol	1	J
(continued)	2,4-Dinitrotoluene	1	J
	2,6-Dinitrotoluene	1	J
	2-Chloronaphthalene	1	J
	2-Chlorophenol	1	J
	2-Methylnaphthalene	1	J
	2-Methylphenol	1	J
	2-Nitroaniline	1	J
	2-Nitrophenol	1	J
	3&4-Methylphenol	1	J
	3,3'-Dichlorobenzidine	1	J
	3-Nitroaniline	1	J
	4,6-Dinitro-2-methylphenol	1	J
	4-Bromophenyl-phenylether	1	J
	4-Chloro-3-Methylphenol	1	J
	4-Chloroaniline	1	J
	4-Chlorophenyl-phenylether	1	J
	4-Nitroaniline	1	J
	4-Nitrophenol	1	J
	Acenaphthene	1	J
	Acenaphthylene	1	J
	Anthracene	1	J
	Benzo(a)anthracene	1	J
	Benzo(a)pyrene	1	J
	Benzo(b)fluoranthene	1	J
	Benzo(g,h,i)perylene	1	J
	Benzo(k)fluoranthene	1	J
	Benzyl Alcohol	1	J
	bis(2-Chloroethoxy)methane	1	J
	bis(2-Chloroethyl)ether	1	J
	bis(2-Chloroisopropyl)ether	1	J
	bis(2-Ethylhexyl)phthalate	1	J
	Butylbenzylphthalate	1	J
	Chrysene	1	J
	Dibenzo(a,h)anthracene	1	J
	Dibenzofuran	1	J
	Diethylphthalate	1	J
	Dimethylphthalate	1	J
	Di-n-Butylphthalate	1	J
	Di-n-Octylphthalate	1	J
	Diphenylamine	1	J

Compounds Qualified Due to LCS/LCSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	Fluoranthene	1	J
(continued)	Fluorene	1	J
	Hexachlorobenzene	1	J
	Hexachlorobutadiene	1	J
	Hexachlorocyclopentadiene	1	J
	Hexachloroethane	1	J
	Indeno(1,2,3-cd)pyrene	1	J
	Isophorone	1	J
	Naphthalene	1	J
	Nitrobenzene	1	J
	N-Nitroso-di-n-propylamine	1	J
	Pentachlorophenol	1	J
	Phenanthrene	1	J
	Phenol	1	J
	Pyrene	1	J
	Pyridine	1	J

Blank action levels for compounds/analytes detected in the blanks were calculated at five times the blank concentrations (blank action levels were calculated at 10 times the blank concentration for common laboratory contaminants). Detected sample results that were below the blank action level were qualified with a "U." The compound/analytes detected in method/analytical blanks which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

**Compounds/Analytes Qualified Due to Blank Deviations** 

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Acetone	2	U
	Bromoform	1	U
	Dibromochloromethane	2	U
	Methylene Chloride	1	U
Inorganics	Arsenic	2	U
	Barium	2	U
	Cadmium	1	U
	Chromium	2	U
	Copper	2	U
	Lead	1	U
	Silver	2	U

Surrogate compounds are analyzed with every organic sample to aid in evaluation of the sample extraction efficiency. As specified in the FSP/QAPP, at least one of the PCB surrogate compounds must have a recovery between laboratory-specified control limits. Associated sample results were qualified as estimated (J) for all compounds when surrogate recovery criteria were outside control limits and greater than 10%. A summary of the compounds affected by surrogate recovery exceedences and the number of samples qualified due to those deviations are presented in the following table.

**Compounds Qualified Due to Surrogate Recovery Deviations** 

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	5	J

#### 5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. The percent usability calculation included analyses evaluated under both the Tier I/II data validation reviews. The percent usability calculation also includes quality control samples (i.e., field/equipment blanks, trip blanks, and field duplicates) to aid in the evaluation of data usability. Data usability is summarized in the following table.

**Data Usability** 

Parameter	Percent Usability	Rejected Data
VOCs	99.9	A total of one sample result was rejected due to MS/MSD recovery deviations.
SVOCs	100	None
PCBs	100	None
Metals	100	None
Cyanide	100	None

The data package completeness, as determined from the Tier I data review, was used in combination with the data quality deviations identified during the Tier II data review to determine overall data quality. As specified in the FSP/QAPP, the overall precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters determined from the Tier I and Tier II data reviews were used as indicators of overall data quality. These parameters were assessed through an evaluation of the results of the field and laboratory QA/QC sample analyses to provide a measure of compliance of the analytical data with the Data Quality Objectives (DQOs) specified in the FSP/QAPP. Therefore, the following sections present summaries of the PARCC parameters assessment with regard to the DQOs specified in the FSP/QAPP.

#### 5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included laboratory duplicates, field duplicates, MS/MSD samples, and LCS/LCSD samples. For this analytical program, 4.7% of the data required qualification due to LCS/LCSD RPD deviations. None of the data required qualification due to laboratory duplicate RPD deviations, field duplicate RPD deviations, or MS/MSD RPD deviations.

#### 5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, LCS/LCSDs, MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 15.9% of the data required qualification due to instrument calibration deviations, 0.59% of the data required qualification due to LCS/LCSD recoveries, 0.13% of the data required qualification due to MS/MSD recovery deviations, 1.6% of the data required qualification due to Surrogate compound recovery deviations. None of the data required qualification due to internal standard recovery deviations.

#### 5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in the EPA-approved work plans, and by following the procedures for sample collection/analyses that were described in the FSP/QAPP. Additionally, the analytical program used procedures consistent with EPA-approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical data set, none of the data required qualification due to holding time deviations.

#### 5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. Specifically, all the groundwater samples collected in April 2008 were analyzed by EPA SW-846 method 8082 for PCBs, 8260 for VOCs, 8270 for SVOCs, 6000/7000 for metals, and 9014 for cyanide.

### 5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses – the generation of a sufficient amount of valid data. The actual completeness of this analytical data set ranged from 99.9% to 100% for individual analytical parameters and had an overall usability of 99.9%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

Table D-1 Analytical Data Validation Summary Groundwater Management Area 1 - Spring 2008

Sample											
Delivery				Validation							
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
G135-632	139R (Filtered)	4/3/2008	Water	Tier II	No			1	1	I	
G135-632	E2SC-23 (Filtered)	4/3/2008	Water	Tier II	No						
G135-634	GMA1-13 (Filtered)	4/7/2008	Water	Tier II	No						
G135-634	LS-29 (Filtered)	4/8/2008	Water	Tier II	No						
G135-634	LSSC-08S (Filtered)	4/8/2008	Water	Tier II	No						
G135-634	LSSC-18 (Filtered)	4/8/2008	Water	Tier II	No						
G135-635 G135-635	ES1-27R (Filtered) GMA1-25 (Filtered)	4/10/2008 4/9/2008	Water Water	Tier II Tier II	No No				-		
G135-635	GMA1-27 (Filtered)	4/9/2008	Water	Tier II	No			+	1		
G135-635	HR-G3-MW-1 (Filtered)	4/10/2008	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
	(,					Aroclor-1221	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1232	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1242	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1248	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1254	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1260	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
G135-635	N2SC-07S (Filtered)	4/9/2008	Water	Tier II	Yes	Total PCBs Aroclor-1016	Surrogate Recovery Surrogate Recovery	38.5%, 27.4% 25.4%, 32.9%	40.0% to 140% 40.0% to 140%	ND(0.000068) J ND(0.000067) J	
G 135-635	N2SC-07S (Fillered)	4/9/2006	water	ner ii	res	Aroclor-1016 Aroclor-1221	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1232	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1242	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1248	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1254	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1260	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Total PCBs	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
G135-635	RF-02 (Filtered)	4/10/2008	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1221	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1232	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1242 Aroclor-1248	Surrogate Recovery Surrogate Recovery	32.8%, 37.3% 32.8%, 37.3%	40.0% to 140% 40.0% to 140%	ND(0.000066) J ND(0.000066) J	
						Aroclor-1254	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1260	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Total PCBs	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
G135-636	ES1-05 (Filtered)	4/11/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
	, , ,					Aroclor-1221	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1232	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1242	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1248	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1254	LCS/LCSD %R LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J ND(0.000071) J	
						Aroclor-1260 Total PCBs	LCS/LCSD %R	58.4%, 56.4% 58.4%, 56.4%	70.0% to 130% 70.0% to 130%	ND(0.000071) J	
G135-643	GMA1-RB-1 (Filtered)	4/17/2008	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000071) 3	
3133-043	GWAT-RB-T (Filtered)	4/11/2000	vvater	i i e i ii	163	Aroclor-1010	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1232	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1242	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1248	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1254	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1260	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
				ļ		Total PCBs	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
G135-644	72R (Filtered)	4/17/2008	Water	Tier II	No						
G135-644	GMA1-18 (Filtered)	4/17/2008	Water	Tier II	No Yes	Aroclor-1016	Surrogete Becovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	+
G135-644	GMA1-6 (Filtered)	4/17/2008	Water	Tier II	Yes	Aroclor-1016 Aroclor-1221	Surrogate Recovery Surrogate Recovery	36.7%, 22.5%	40.0% to 140% 40.0% to 140%	ND(0.000068) J	
						Aroclor-1232	Surrogate Recovery Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1242	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1248	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1254	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1260	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
		<u> </u>		<u> </u>		Total PCBs	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
3135-644	GMA1-DUP-2 (Filtered)	4/17/2008	Water	Tier II	No						Duplicate of 1-72R (Filtered)
G135-646	E2SC-24 (Filtered)	4/18/2008	Water	Tier II	No						

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Table D-1 Analytical Data Validation Summary Groundwater Management Area 1 - Spring 2008

Sample											
Delivery				Validation							
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals											
G135-643	GMA1-RB-1 (Filtered)	4/17/2008	Water	Tier II	Yes	Arsenic	CRDL Standard %R	125.0%	80% to 120%	0.00385 J	
						Chromium	CRDL Standard %R	124.0%	80% to 120%	0.00264 J	
						Copper	CRDL Standard %R	144.0%	80% to 120%	0.00405 J	
						Lead	CRDL Standard %R	123.0%	80% to 120%	0.00384 J	
						Nickel	CRDL Standard %R	78.6%	80% to 120%	ND(0.0100) J	
G135-643	GMA1-RB-1 (Filtered)	4/17/2008	Water	Tier II	Yes	Silver	CRDL Standard %R	131.0%	80% to 120%	0.00190 J	
						Thallium	CRDL Standard %R	177.0%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	154.0%	80% to 120%	0.0103 J	
G135-644	72R (Filtered)	4/17/2008	Water	Tier II	Yes	Arsenic	CRDL Standard %R	125.0%	80% to 120%	ND(0.0100) J	
						Arsenic	Rinse Blank	-	-	ND(0.0100)	
						Barium	Rinse Blank	-	-	ND(0.100)	
						Chromium	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
						Chromium	Rinse Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	144.0%	80% to 120%	ND(0.0100) J	
						Copper	Rinse Blank	-	-	ND(0.0100)	
						Lead	CRDL Standard %R	123.0%	80% to 120%	ND(0.0100) J	
						Nickel	CRDL Standard %R	78.6%	80% to 120%	ND(0.0100) J	
						Silver	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Silver	Rinse Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	177.0%	80% to 120%	0.00961 J	
						Tin	CRDL Standard %R	154.0%	80% to 120%	ND(0.0100) J	
G135-644	GMA1-DUP-2 (Filtered)	4/17/2008	Water	Tier II	Yes	Arsenic	CRDL Standard %R	125.0%	80% to 120%	ND(0.0100) J	Duplicate of 1-72R (Filtered)
						Arsenic	Rinse Blank	-	-	ND(0.0100)	
						Barium	Rinse Blank	-	-	ND(0.100)	
						Cadmium	Rinse Blank	-	-	ND(0.0100)	
						Chromium	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
						Chromium	Rinse Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	144.0%	80% to 120%	ND(0.0100) J	
						Copper	Rinse Blank	-	-	ND(0.0100)	
						Lead	CRDL Standard %R	123.0%	80% to 120%	ND(0.0100) J	
						Lead	Rinse Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	78.6%	80% to 120%	ND(0.0100) J	
						Silver	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Silver	Rinse Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	177.0%	80% to 120%	0.0166 J	
						Tin	CRDL Standard %R	154.0%	80% to 120%	ND(0.0100) J	
VOCs											
G135-634	LS-MW-4R	4/8/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.007	>0.05	ND(0.0050) J	
				1		1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
				1		2-Butanone	ICAL RRF	0.034	>0.05	ND(0.0050) J	
				1		2-Chloroethylvinylether	ICAL RRF	0.019	>0.05	ND(0.013) J	
				1		Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
				1		Acetonitrile	ICAL RRF	0.008	>0.05	ND(0.020) J	
				1		Acrolein	ICAL RRF	0.012	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
				1		Acrylonitrile	ICAL RRF	0.030	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	35.5%	<25%	ND(0.0010) J	
				1		Chloroethane	CCAL %D	47.4%	<25%	ND(0.0010) J	
				1		Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
				1		Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
				1	l	trans-1,4-Dichloro-2-butene	ICAL RRF	0.028	>0.05	ND(0.0050) J	

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Table D-1 Analytical Data Validation Summary Groundwater Management Area 1 - Spring 2008

	1										
Sample											
Delivery	Cample ID	Data Callantad	Matrix	Validation	Ovelification	C	OA/OC Baramatar	Value	Control Limite	Qualified Result	Natas
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
OCs (conti 135-635	ES2-02A	4/10/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
135-635	E52-02A	4/10/2006	vvaler	Herm	res	1,4-Dioxane	ICAL RRF	0.009	>0.05	ND(0.0030) J	
						1,4-Dioxane	CCAL %D	100.0%	<25%	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein Acrylonitrile	CCAL %D ICAL RRF	50.0% 0.027	<25% >0.05	ND(0.025) J ND(0.025) J	
						Isobutanol	ICAL RRF	0.027	>0.05	ND(0.025) J ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.030) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
135-635	GMA1-25	4/9/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
					1	1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
					1	1,4-Dioxane	CCAL %D	100.0%	<25%	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
135-635	GMA1-25	4/9/2008	Water	Tier II	Yes	2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetone Acetonitrile	Trip Blank ICAL RRF	0.005	>0.05	ND(0.0050) ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Methylene Chloride	Trip Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
135-635	GMA1-27	4/9/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						1,4-Dioxane 2-Butanone	CCAL %D ICAL RRF	100.0% 0.028	<25% >0.05	ND(0.10) J ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.028	>0.05	ND(0.0050) J ND(0.013) J	
						2-Chloroethylvinylether 2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
					I	Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
					1	Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
					I	Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
35-635	LSSC-16S	4/8/2008	Water	Tier II	Yes	trans-1,4-Dichloro-2-butene	ICAL RRF	0.016 0.009	>0.05 >0.05	ND(0.0050) J	
35-635	LSSC-16S	4/8/2008	vvater	Herli	Yes	1,2-Dibromo-3-chloropropane 1,4-Dioxane	ICAL RRF	0.009	>0.05	ND(0.0050) J ND(0.10) J	
					I	1,4-Dioxane	CCAL %D	100.0%	>0.05 <25%	ND(0.10) J ND(0.10) J	
					1	2-Butanone	ICAL RRF	0.028	>0.05	ND(0.10) J	
					I	2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
					I	2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
					I	Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
					I	Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
					1	Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	-
					I	Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	·
					1	Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
					I	Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
					1	Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
					1	Propionitrile trans-1,4-Dichloro-2-butene	ICAL RRF	0.009 0.016	>0.05 >0.05	ND(0.020) J	
	1			1		uano-1,4-Dichioro-z-buterie	IOAL IARE	0.010	>0.00	ND(0.0050) J	

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Table D-1 Analytical Data Validation Summary Groundwater Management Area 1 - Spring 2008

Sample											
Delivery				Validation							
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (contin											
G135-635	TripBlank	4/10/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						1,4-Dioxane 2-Butanone	CCAL %D ICAL RRF	100.0% 0.028	<25% >0.05	ND(0.10) J ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.028	>0.05	ND(0.0050) J ND(0.013) J	
						2-Chloroethylvinylether 2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0020 J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
0405.000	0.00 FD 44	4/44/0000	10/-1	T1 0	V	trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-636	3-6C-EB-14	4/11/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane 1,4-Dioxane	ICAL RRF	0.009	>0.05 >0.05	ND(0.0050) J ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	Trip Blank	-	-	ND(0.0050)	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
G135-636	3-6C-EB-14	4/11/2008	Water	Tier II	Yes	Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
0.10= 000	T . D	4/44/0000	147 .	<u> </u>		trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-636	Trip Blank	4/11/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF ICAL RRF	0.001 0.028	>0.05 >0.05	ND(0.10) J ND(0.0050) J	
						2-Butanone 2-Chloroethylvinylether	ICAL RRF	0.028	>0.05	ND(0.0050) J ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0043 J	
						Acetonie	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-643	GMA1-RB-1	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF ICAL RRF	0.014 0.014	>0.05 >0.05	ND(0.013) J 0.0046 J	
						Acetone Acetonitrile	ICAL RRF	0.014	>0.05	0.0046 J ND(0.020) J	
						Acrolein	ICAL RRF	0.005	>0.05	ND(0.020) J ND(0.025) J	
						Acrolein	CCAL %D	35.7%	>0.05 <25%	ND(0.025) J ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS %R	79.6%	80.5% to 130%	ND(0.0010) J	•

Table D-1 Analytical Data Validation Summary Groundwater Management Area 1 - Spring 2008

Sample											
Delivery				Validation							
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continu	ued)			•	•		•	•			
G135-644	72R	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Dibromochloromethane	Trip Blank	-	-	ND(0.0010)	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
				1		Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	
G135-644	GMA1-6	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05 >0.05	ND(0.020) J	
						Acrolein Acrolein	CCAL %D	0.014 35.7%	>0.05 <25%	ND(0.025) J	
							ICAL RRF	0.027		ND(0.025) J	
						Acrylonitrile	CCAL %D	30.6%	>0.05 <25%	ND(0.025) J ND(0.0010) J	
						Chloromethane Isobutanol	ICAL RRF	0.002	>0.05	ND(0.0010) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.030) J	+
						Propionitrile	ICAL RRF	0.043	>0.05	ND(0.010) J ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.009	>0.05	ND(0.020) J	+
G135-644	GMA1-6	4/17/2008	Water	Tier II	Yes	Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0030) J	
	GMA1-DUP-2	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	Duplicate of 1-72R
0100-044	GINIAT-DOT-2	4/11/2000	vvater	i ici ii	163	1,4-Dioxane	ICAL RRF	0.003	>0.05	ND(0.0030) J	Duplicate of 1-7210
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.0030) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
				1		Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Bromoform	Trip Blank	-	-	ND(0.0010)	
				1		Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
				1		Dibromochloromethane	Trip Blank	-	-	ND(0.0010)	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
				1		Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
				1		trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	

Table D-1 Analytical Data Validation Summary Groundwater Management Area 1 - Spring 2008

Sample				Mali dada							
Delivery Group No.	Samula ID	Date Collected	Matrix	Validation Level	Qualification	Commonad	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
	Sample ID	Date Collected	Wallix	Level	Qualification	Compound	QA/QC Farameter	Value	Control Limits	Qualified Result	Notes
VOCs (contin	,	1/17/0000				Id O Dilement O all Immediate	IIOAL DDE	0.000	0.05	ND(0.0050)	
G135-644	TRIP BLANK	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0077 J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
010= 010	50100.01	4/40/0000			.,,	Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	
G135-646	ESA2S-64	4/18/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.024	>0.05	ND(0.050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(1.0) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.050) J	
						2-Chloroethylvinylether	ICAL RRF	0.019	>0.05	ND(0.13) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.050) J	
						Acetonitrile	ICAL RRF	0.010	>0.05	ND(0.20) J	
						Acetonitrile	CCAL %D	30.0%	<25%	ND(0.20) J	
						Acrolein	ICAL RRF	0.020	>0.05	ND(0.25) J	
						Acrylonitrile	ICAL RRF	0.034	>0.05	ND(0.25) J	
						Bromomethane	CCAL %D	46.3%	<25%	ND(0.010) J	
						Chloroethane	CCAL %D	59.4%	<25%	ND(0.010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.50) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.20) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.024	>0.05	ND(0.050) J	
G135-646	Trip Blank	4/18/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0031 J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
1	1					Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
1	1					Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloroethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
1	1					Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
	1					Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
	1					Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
	1					Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
1	1					trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	

Table D-1 Analytical Data Validation Summary Groundwater Management Area 1 - Spring 2008

Sample Delivery				Validation							
Group No. SVOCs	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
G135-635	GMA1-25	4/9/2008	Water	Tier II	Yes	4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.042	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF CCAL %D	0.025 141.6%	>0.05 <25%	ND(0.0050) J ND(0.0050) J	
G135-635	GMA1-27	4/9/2008	Water	Tier II	Yes	Methapyrilene 4-Phenylenediamine	ICAL RRF	0.032	<25% >0.05	ND(0.0050) J ND(0.010) J	
0100 000	OWINT ET	4/3/2000	water	110111	103	Hexachlorocyclopentadiene	ICAL RRF	0.042	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.025	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	141.6%	<25%	ND(0.0052) J	
G135-635	GMA1-DUP-1	4/9/2008	Water	Tier II	Yes	Pyridine 4-Phenylenediamine	MSD %R ICAL RRF	25.9% 0.032	50.0% to 150% >0.05	ND(0.0052) J ND(0.010) J	Duplicate of GMA1-25
0100 000	OWAT BOT T	4/3/2000	water	110111	103	Hexachlorocyclopentadiene	ICAL RRF	0.042	>0.05	ND(0.010) J	Explicate of GW/TT 25
						Hexachlorophene	ICAL RRF	0.025	>0.05	ND(0.0050) J	
010= 010	01111 00 1	1/1=/0000			,,	Methapyrilene	CCAL %D	141.6%	<25%	ND(0.0050) J	
G135-643	GMA1-RB-1	4/17/2008	Water	Tier II	Yes	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene	LCS/LCSD RPD LCS/LCSD RPD	67.3% 70.2%	<30% <30%	ND(0.0050) J ND(0.0050) J	Used original analysis
						1.3-Dichlorobenzene	LCS/LCSD RPD	72.8%	<30%	ND(0.0050) J	
						1,4-Dichlorobenzene	LCS/LCSD RPD	70.1%	<30%	ND(0.0050) J	
					1	1-Naphthylamine	LCS/LCSD RPD	62.8%	<30%	ND(0.025) J	
					1	2,4,5-Trichlorophenol	LCS/LCSD RPD	69.5%	<30%	ND(0.0050) J	-
					1	2,4,6-Trichlorophenol 2,4-Dichlorophenol	LCS/LCSD RPD LCS/LCSD RPD	72.8% 79.1%	<30% <30%	ND(0.0050) J ND(0.0050) J	
						2,4-Dimethylphenol	LCS/LCSD RPD	55.6%	<30%	ND(0.0050) J	
						2,4-Dinitrophenol	CCAL %D	70.6%	<25%	ND(0.025) J	
						2,4-Dinitrophenol	LCS/LCSD RPD	65.6%	<30%	ND(0.025) J	
						2,4-Dinitrotoluene 2,6-Dinitrotoluene	LCS/LCSD RPD LCS/LCSD RPD	56.4% 55.6%	<30% <30%	ND(0.0050) J ND(0.0050) J	
						2-Chloronaphthalene	LCS/LCSD RPD	60.0%	<30%	ND(0.0050) J	
						2-Chlorophenol	LCS/LCSD RPD	90.4%	<30%	ND(0.0050) J	
						2-Methylnaphthalene	LCS/LCSD RPD	63.0%	<30%	ND(0.0050) J	
						2-Methylphenol	LCS/LCSD RPD	69.6%	<30%	ND(0.0050) J	
						2-Naphthylamine 2-Nitroaniline	CCAL %D LCS/LCSD RPD	70.2% 57.1%	<25% <30%	ND(0.025) J ND(0.0050) J	
						2-Nitrophenol	LCS/LCSD RPD	81.1%	<30%	ND(0.0050) J	
						3&4-Methylphenol	LCS/LCSD RPD	68.4%	<30%	ND(0.0050) J	
						3,3'-Dichlorobenzidine	LCS/LCSD RPD	64.2%	<30%	ND(0.010) J	
						3-Nitroaniline	LCS/LCSD RPD	63.9%	<30%	ND(0.025) J	
						4,6-Dinitro-2-methylphenol 4,6-Dinitro-2-methylphenol	CCAL %D LCS/LCSD RPD	38.5% 69.9%	<25% <30%	ND(0.025) J ND(0.025) J	
						4-Bromophenyl-phenylether	LCS/LCSD RPD	58.5%	<30%	ND(0.0050) J	
						4-Chloro-3-Methylphenol	LCS/LCSD RPD	62.0%	<30%	ND(0.0050) J	
						4-Chloroaniline	LCS/LCSD RPD	67.9%	<30%	ND(0.025) J	
						4-Chlorophenyl-phenylether 4-Nitroaniline	LCS/LCSD RPD LCS/LCSD RPD	54.9% 58.7%	<30% <30%	ND(0.0050) J ND(0.025) J	
						4-Nitrophenol	LCS/LCSD RPD	63.9%	<30%	ND(0.025) J	
						4-Nitroquinoline-1-oxide	CCAL %D	39.1%	<25%	ND(0.025) J	
					1	4-Phenylenediamine	ICAL RRF	0.033	>0.05	ND(0.010) J	
					1	4-Phenylenediamine Acenaphthene	CCAL %D LCS/LCSD RPD	26.3% 59.7%	<25% <30%	ND(0.010) J ND(0.0050) J	
					1	Acenaphthene Acenaphthylene	LCS/LCSD RPD LCS/LCSD RPD	59.7% 58.2%	<30% <30%	ND(0.0050) J ND(0.0050) J	+
					1	Anthracene	LCS/LCSD RPD	54.1%	<30%	ND(0.0050) J	
					1	Benzo(a)anthracene	LCS/LCSD RPD	54.5%	<30%	ND(0.0050) J	
					1	Benzo(a)pyrene	LCS/LCSD RPD	56.3%	<30%	ND(0.0050) J	-
					1	Benzo(b)fluoranthene Benzo(g,h,i)perylene	LCS/LCSD RPD LCS/LCSD RPD	53.0% 48.5%	<30% <30%	ND(0.0050) J ND(0.0050) J	
					1	Benzo(k)fluoranthene	LCS/LCSD RPD	55.0%	<30%	ND(0.0050) J	
					1	Benzyl Alcohol	LCS/LCSD RPD	69.3%	<30%	ND(0.010) J	
					1	bis(2-Chloroethoxy)methane	LCS/LCSD RPD	65.8%	<30%	ND(0.0050) J	
					1	bis(2-Chloroethyl)ether	LCS/LCSD RPD	73.0%	<30%	ND(0.0050) J	
					1	bis(2-Chloroisopropyl)ether bis(2-Ethylhexyl)phthalate	LCS/LCSD RPD LCS/LCSD RPD	70.8% 54.0%	<30% <30%	ND(0.0050) J ND(0.0050) J	
					1	Butylbenzylphthalate	LCS/LCSD RPD	54.6%	<30%	ND(0.0050) J	<u> </u>
					I	Chrysene	LCS/LCSD RPD	54.0%	<30%	ND(0.0050) J	
					1	Dibenzo(a,h)anthracene	LCS/LCSD RPD	53.9%	<30%	ND(0.0050) J	
					1	Dibenzofuran	LCS/LCSD RPD	58.0%	<30%	ND(0.0050) J	
	ĺ				1	Diethylphthalate Dimethylphthalate	LCS/LCSD RPD LCS/LCSD RPD	57.2% 56.7%	<30% <30%	ND(0.0050) J ND(0.0050) J	

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#### Table D-1 Analytical Data Validation Summary Groundwater Management Area 1 - Spring 2008

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (conti	nued) GMA1-RB-1	4/17/2008	14/-1	T1 0	V	Di-n-Butylphthalate	ILCS/LCSD RPD	55.9%	<30%	ND(0.0050) J	1
135-643	GMA1-RB-1	4/17/2008	Water	Tier II	Yes		LCS/LCSD RPD		<30%		
						Di-n-Octylphthalate	LCS/LCSD RPD	55.1% 59.2%		ND(0.0050) J	
						Diphenylamine Fluoranthene	LCS/LCSD RPD	59.2%	<30% <30%	ND(0.0050) J	
										ND(0.0050) J	
						Fluorene	LCS/LCSD RPD	57.1%	<30%	ND(0.0050) J	
						Hexachlorobenzene	LCS/LCSD RPD	60.5%	<30%	ND(0.0050) J	
						Hexachlorobutadiene	LCS/LCSD RPD	68.3%	<30%	ND(0.0050) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.018	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	LCS/LCSD RPD	54.3%	<30%	ND(0.010) J	
						Hexachloroethane	LCS/LCSD RPD	72.0%	<30%	ND(0.0050) J	
						Hexachlorophene	ICAL RRF	0.019	>0.05	ND(0.0050) J	
						Indeno(1,2,3-cd)pyrene	LCS/LCSD RPD	53.5%	<30%	ND(0.0050) J	
						Isophorone	LCS/LCSD RPD	65.5%	<30%	ND(0.0050) J	
						Methapyrilene	CCAL %D	140.0%	<25%	ND(0.0050) J	
						Naphthalene	LCS/LCSD RPD	65.9%	<30%	ND(0.0050) J	
						Nitrobenzene	LCS/LCSD RPD	66.2%	<30%	ND(0.0050) J	
						N-Nitroso-di-n-propylamine	LCS/LCSD RPD	65.9%	<30%	ND(0.0050) J	
						Pentachlorophenol	LCS/LCSD RPD	42.5%	<30%	ND(0.025) J	
						Phenanthrene	LCS/LCSD RPD	57.6%	<30%	ND(0.0050) J	
						Phenol	LCS/LCSD RPD	83.3%	<30%	ND(0.0050) J	
						Pyrene	LCS/LCSD RPD	54.7%	<30%	ND(0.0050) J	
						Pyridine	LCS/LCSD RPD	69.8%	<30%	ND(0.0050) J	
yanide-MAD						-	_				-
	GMA1-RB-1 (Filtered)	4/17/2008	Water	Tier II	No						
135-644	72R (Filtered)	4/17/2008	Water	Tier II	No						
135-644	GMA1-DUP-2 (Filtered)	4/17/2008	Water	Tier II	No						Duplicate of 1-72R (Filtered)

# **ARCADIS**

### Appendix E

Monitoring Results for Adjacent MCP Disposal Site

### Table 1 (1 of 2) Oxygen Sparge Monitoring September 11, 2006\* to February 11, 2008

	OF THE PARTY				(Oxygenis	parge Legs						Tankii	Tank2	
	W MINTER	S-107000	A Reference	312 mm	AND BA	2 2 2	SERVICE AND A C	<b>2000</b>	A STATE OF A	3-5 MARIE 1889	Total		TOTAL CONTRACTOR	Comments
2 Date		Pressure (pel)	3) <u>E</u> E <i>B</i>	APressure #	Flow	Présidie	1			Pressure (psl)	Elov SGH	psi e		
	SCEHUE	Pressure (psl)	SCEH	(p5) <b>8</b>	R(SCFH)#	(00)	(SCEH)	Pressure (bal)	Flow (SCIFII)	Pressure (ps.)			DS.	
									1.5	1.0	10.8	170	160	System start-up
9/15/06	2.0	2.0	4.0	1.5	1.5	1.5 2.0	1.75	2.0	2.0	2.0	8.0	140	125	
9/21/06	1.5	3.0	1.5	5.0	1.5	2.0	1.5	2.0	1.5	2.0	7.5	210	190	Departure readings Tanks E on 10/6/06 (D)
10/10/06	1.5	3.0	1.5 1.5	5.0 5.0	1.5	3.5	1.5	3.5	2.0	3.0	7.8	150	140	
10/23/06	1.25 1.5	4.0 4.0	1.5	5.0	1.5	2.5	1.5	2.5	1.5	2.5	7.5	190	205	Departure readings Tanks E on arrival (D)
11/7/06 11/20/06	1.5	4.0	1.0	6.0	1.5	3.0	1.5	3.0	1.5	3.0	7.0	158	158	
12/4/06	1.5	4.0	1.5	6.0	1.5	3.0	1.5	3.0	1.5	2.5	7.5	220	235	Departure readings Tanks E on arrival (D)
12/18/06	1.5	4.0	1,0	6.0	1.0	3.0	1.5	2.5	1.0	3.0	6.0	180	205	
1/2/07	1.5	4.0	1,5	6.0	1.5	3.5	1.5	2.5	1.5	3.0	7.5	224	221	Departure readings Tanks E on arrival (D)
1/15/07	1,5	4,0	1.0	6.0	1.0	3.0	1.3	2.5	1.0	2.5	5.8	110	100	Departure readings Tanks E on arrival (D)
1/29/07	1.5	4.0	1.5	3.0	1.5	4.0	1.5	4.0	1.5	2.5	7.5	245	240	Departure readings Tanks E on arrivar (D)
2/12/07	1.5	4.0	1.0	5.5	1,0	3.0	1.5	3.0	1.5	2.5	6.5	141	141 240	Departure readings Tanks E on arrival (D)
2/26/07	1.5	4	1.5	6	1.5	2.5	1.5	3	1.5	2	7.5	121	90	Departure readings tanks E or arriver (D)
3/12/07	1,5	4	1	6	1	2.5	1.5	3		2.5	6	81 245	230	Departure readings Tanks E on arrival (D)
3/26/07	1.5	5	1.5	6	1.5	4	1.5	. 4	1.5	3	7.5	160	140	Departure readings Tanks 2 of arms (2)
4/10/07	1.25	5	1	6.5	1.25	4	1.25	4	1	4	5.75 7.5	231	91	Departure readings Tanks E on arrival (D)
4/25/07	1.5	6	1.5	. 5	1.5	5	1.5	5	1.5	4	8.25	91	110	Departure readings Tarino C oct 67702. (57
5/7/07	1.5	5	1.25	5	2.25	5	2	5	1.25	4	7.5	235	225	Departure readings Tanks E on arrival (D)
5/24/07	1.5	5	1.5	6.5	1.5	5	1.5	4.5	1.5	3	8.5	130	120	Departure resourings Terms 2 of the Land
6/4/07	1.5	5	1.5	6.5	1.5	4.5	2	4	1.5	3	7.5	172	230	Departure readings Tanks E on arrival (D)
6/18/07	1.5	5	1.5	6	1.5	8	1.5	4	1.5	3	6.5	210	200	
7/3/07	1.5	5	1	6	1.5	4.5	1.5	4	4	3	16	192	221	Departure readings Tanks E on arrival (D)
7/16/07	NA.	NA	44	6	4	5	4	4	3.5	3	15	85	92	
8/1/07	NA	NA NA	3.5	6	NA NA	NA NA	4	4	1.5	3	9.5	200	270	Departure readings Tanks E on arrival (D)
8/13/07	NA	NA NA	0.5	6 2.5	NA NA	NA NA	<del>  7</del> -	0	0	0	0.5	0	25	Tanks E on arrival and departure.
8/27/07	NA NA	NA NA	3	6	NA NA	NA.	3	4	1.5	3.	7:5	NR	NR	Departure readings Tanks E on arrival (D)
8/31/07	NA NA	NA NA	3	6	NA NA	NA.	3	4	1.5	4	7.5	100	160	Departure readings
9/10/07	NA NA	- NA	3	5	NA NA	NA.	3	4	1.5	4	7.5	0	30	Departure readings
10/9/07	NA NA	NA NA	3	6	NA NA	NA	3	4	1	2	7	112	132	1 75
10/23/07	NA NA	NA.	4	6	NA	NA	4	6	1.5	4	9,5	NR	NR.	Departure readings (D)
11/5/07	NA NA	NA NA	2	6	NA.	NA	2.5	4	1	2	5.5	140	173	
11/19/07	NA NA	NA NA	3	6	NA	NA	3	7	1.5	2	7.5	200	186	Departure readings (D)
12/3/07	NA NA	NA.	1	6	NA	NA	1.5	4	0.5	3	3	15	29	Table should ries to departure (D)
12/17/07	NA.	NA NA	1	6	NA	NA	0.5	2	0.1	2	1.6	10	30 132	Tanks changed prior to departure (D)
1/2/08	NA NA	NA.	2	6	NA	NA	1.5	3	11	3	4.5	140		Tanks changed Departure readings (D)
1/14/08	NA NA	NA NA	3	6	NA	NA	3	5	1.5	4	7.5	145	178	Tanks changed Departure readings (D)
1/29/08	NA.	NA	3	6	NA	NA	3	4	11	2	7	95 NR	75 NR	System shut down to monitor rebound
2/11/08	NA	NA	NR	NR	NA	NA	NR	NR	NR	NR	NA.	1 INK	NK.	System situ down to monitor research
<u> </u>	1		1		1			I	l		ال	<u> </u>	ـــــال	<u> </u>

NOTES:

\*\*Lach Oxygen sparge leg is 2-inch diameter.

All readings were recorded upon arrival unless otherwise noted.

SCFH = cubic feet per hour; psi = pounds per square inch

NA = Not available - Oxygen sparge leg not in operation. NR = No reading taken. E = Empty. D = Delivery.

\*Oxygen sparge system activated September 11, 2006.

#### Table 1 (2 of 2) Oxygen Sparge Monitoring September 11, 2006\* to February 11, 2008

									An electronic problem	www.comaran.com	STERRISONALISM	STATE OF THE STATE OF	100 name 2 15 15 15 15 15 15 15 15 15 15 15 15 15	Freeze and process
					Oxygen S	parge Legs/						Tank I	Tank 2	
	WANTED A	SLG PRIMARY	PROPERTY A	S-70 ST-114		S-8	HANNA A	5-9個短陽時	<b>的基础的</b>	<b>注10</b> 開課機構	Total	Tank i	<b>MEMBER</b>	
Date	MARKET PROPERTY.										Flow		<b>新學議</b>	Comments Comments
	Flowing	Pressure	Flow	Pressure	Flow (SGF4)	Préssure (psi)		(Hastina (63)		Pressure (psi)	SGFH	jši :	psi	
	(SCFH)	pa) es	S(SCFH)	(psi)	(SCEH)		S (SCFL)	(PSI)	(SCEU)					
			SERVINE SERVINE		HE SERVICE						6.5	170	160	
9/11/06	1.0	0.5	1,0	1.0	1.0	1.5	2.0	1.5	1.0	1.5	7.5	140	125	System start-up
9/21/06	1.8	2.0	1.5	2.5	1.5	1.0	1.3	2.0	1.5	3.0	7.5	210	190	Departure readings Tanks E on 10/6/06 (D)
10/10/06	1.5	2.0	1.5	3.0	1.5	1.5	1.5	2.5	1.5	4.0	8.0	150	140	Departure readings Traines 2 Of 10/0/00 (D)
10/23/06	2.0	3.5	1.5	4.0	1.5	3.0	1.5	4.0	1.5 1.5	3.0	7.5	190	205	Departure readings Tanks E on arrival (D)
11/7/06	1.5	3.5	1.5	4.0	1.5	2,0	1.5	3.5		4.5	7.0	158	158	Departure readings Tariks E of arrivor(5)
11/20/06	1.5	2.5	1.5	5.0	1.5	2.5	1.0	5.0	1.5		7.5	220	235	Departure readings Tanks E on arrival (D)
12/4/06	1.5	4.0	1.5	4.5	1.5	2.0	1.5	5.0	1.5	4.0	3.3	180	205	Departure readings Tranks C Off actival (D)
12/18/06	0.75	4.0	0.5	4.0	1	2.0	0.5	4.5	0.5	4.0 5.0	7.5	224	221	Departure readings Tanks E on arrival (D)
1/2/07	1.5	3.0	1.5	4.0	1.5	2.0	1.5	5.0	1.5			110	100	Departure readings Tanks C Offantiva (0)
1/15/07	1.5	3.0	1.5	3.0	1	2.0	1.0	5.0	1.5	5.0	6.5			Departure readings Tanks E on arrival (D)
1/29/07	1.5	4.0	1.5	5.0	1.5	3.0	1,5	5.0	1.5	5.0	7.5	245	240	Departure readings Tanks E diffartivar(D)
2/12/07	1.0	4.0	1	5.0	1	3.0	1.0	5.0	1.5	5.0	5.5	141	141	D
2/26/07	1.5	4	1.5	4	1.5	3	1.5	5	1.5	5	7.5	121	240	Departure readings Tanks E on arrival (D)
3/12/07	1.5	3	1	4	1.25	2	0.75	. 5	1	5	5.5	81	90	
3/26/07	1.5	5	1.5	5	1.5	4	1,5	5	1.5	6	7.5	245	230	Departure readings Tanks E on arrival (D)
4/10/07	1	4	1.5	5	1.25	2	11	5	1	5.5	5.75	160	140	
4/25/07	1,5	5	1.5	6	1.5	5	1.5	6.5	1.5	10	7.5	. 231	91	Departure readings Tanks E on arrival (D)
5/7/07	1.5	5	2	6 .	2	4.5	2	6	1.5	6.5	9	91	110	
5/24/07	1.5	5	1.5	5.25	1.5	4	1.5	6	1.5	7	7.5	235	225	Departure readings Tanks E on arrival (D)
6/4/07	1.5	5	1.5	5	1.25	4	1	5.5	1.5	6	6.75	130	120	
6/18/07	1.5	5	1.5	5	1.5	4	1.5	5	1.5	7	7.5	172	230	Departure readings Tanks E on arrival (D)
7/3/07	1	4.5	1.5	5	1.5	4	1	5.5	1.75	6	6.75	210	200	
7/16/07	NA	NA	NA	NA	NA	NA	NA_	NA	4	7	44	192	221	Departure readings Tanks E on arrival (D)
8/1/07	NA	NA	NA	NA	NA	NA	NA	NA NA	3.75	7	3.75	85	92	
8/13/07	4	4	1.5	3	NA	NA	NA	NA	4	9	9.5	200	270	Departure readings Tanks E on arrival (D)
8/27/07	0	0	0	0	NA	NA	NA	NA	0	0	0	0	25	Tanks E on arrival and Departure.
8/31/07	3	4	1.5	4	NA	NA	NA	NA	3	4	7.5	NR	NR_	Departure readings Tanks E on arrival (D)
9/10/07	3	5	1.5	5	NA.	NA	NA	NA	11	8	5.5	100	160	Departure readings
9/25/07	3	4	1.5	4	NA	NA	NA	NA	0	10	4.5	95	240	Departure readings
10/9/07	2,5	4	1	4	NA	NA	NA	NA	0	8	3.5	112	132	
10/23/07	3	2	1.5	4	NA	NA	NA	NA	3	1	7.5	NR	NR	Departure readings (D)
11/5/07	3	4	1	5	NA	NA	NA	NA	0.1	10	4.1	140	173	
11/19/07	3	5	1.5	6	NΑ	NΑ	NA	NA	0.1	15	4.6	200	186	Departure readings (D)
12/3/07	1	4	0.5	3	NA	NA	ΝA	NA	0.3	5	1.8	15	29	
12/17/07	1	4	0.1	4	NA	NA	NA	NA	0.5	4	1.6	240	225	Tank readings on departure (D)
1/2/08	2	5	1.5	5	NA.	NA	NA	NA	0.2	10	3.7	140	132	
1/14/08	3	5	1.5	4	NA.	NA	NA	NA.	1	10	5.5	145	178	Departure readings (D)
1/29/08	2	4	1	4	NA.	NA.	NA	NA	0.5	10	3.5	95	75	
2/11/08	NR	NR	NR	NR	NA NA	NA NA	NA NA	NA.	NR	NR	NA	NR	NR	System shut down to monitor rebound
2/11/08	- INIT	INIX	1412	741.			<del></del>	<del>                                     </del>	<u> </u>		1	1	1	
II .	11	1	II .	1	II	L	II				<u> </u>	-		

Each Oxygen sparge leg is 2-inch diameter.

All readings were recorded upon arrival unless otherwise noted.

SCFH = cubic feet per hour; psi = pounds per square inch

NA = Not available - Oxygen sparge leg not in operation. NR = No reading taken. E = Empty. D = Delivery.

\*Oxygen sparge system activated September 11, 2006.

	Pittsfield, M	assachusetts								
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
			NIA.	NA NA	NA.	NA.	NA NA	NS	NS	NS
ECS-1*	11/8/99	NA NA	. NA NA	NA NA	NA.	NA NA	NA NA	NS	NS	NS
97.19	12/19/02	NA 11.70	85.24	5.06	750	4.91	549	4.48	26.2	0.015
97.02	9/8/05	11.78	88.53	7.31	108	2.71	68.0	2.16	23.4	3.90
	1/25/06 4/11/06	8.49 11.38	85.64	7.04	926	4.00	10.0	4.45	27.6	<0.01
	7/20/06	11.72	85.30	4.78	814	2.98	590	3.85	27.5	<0.01
	10/10/06	12.21	84.81	NA	NA	NA NA	NA	NS	NS	N\$
	1/25/07	11.34	85.68	7.65	620	4.87	33.0	3.70	25.9	<0.01
	2/26/07	11.29	85.73	7.82	NM	2.67	182.6	NS	NS	NS
	4/24/07	9.89	87.13	NA	NA NA	NA NA	NA	NS	NS	NS
	10/4/07	12.74	84.28	7,45	743	4.49	88	3.81	27.3	<0.03
	3/11/08	9.82	87.20	7.37	708	4.06	160	3.35	25.9	<0.03
ECS-2**	11/8/99	NA .	NA .	NA	NA	NA NA	NA	NS	NS	NS
97.76	12/19/02	NA	NA NA	NA NA	NA	NA NA	NA	NS	NS	NS
97.60	9/8/05	12.44	85.16	5.94	975	0.48	-9.5	NS	NS	NS NS
	11/1/05	10.65	86.95	6.89	1410	0.87	-65.9	NS	NS NE	· NS NS
ļ	1/25/06	10.16	87.44	6.84	781	1.52	-93.0	NS NC	NS NS	NS NS
	4/10/06	12.09	85.51	6.70	1,118	0.62	10.0	NS NS	NS	NS
	7/20/06	12.42	85.18	3.40	1,601	0.29	572 -36.8	NS	NS	NS
	9/15/06	13.44	84,16	6.99	NM	3.88 11.68	237	NS	NS	NS
	9/21/06	13.00	84.60	6.97	NM NM	2.27	60.3	NS	NS	NS
	10/6/06	12.84	84.76	6.97 NM	805	0.63	28.0	NS	NS	NS
	10/10/06	12.92	84.68 85.35	6.28	NM	0.80	NM	NS	NS	NS
•	10/23/06	12.25 12.21	85.39	6.67	NM	8.83	-60.8	NS	NS	NS
Į	11/7/06	11.58	86.02	7.12	NM	8.94	161.7	NS	NS	NS
1	11/20/06 12/4/06	12.06	85.54	7.19	NM	9.96	228.8	NS	NS	NS
	12/18/06	12.54	85.06	6.20	NM :	9.40	10.9	NS	NS	NS
	1/2/07	12.44	85.16	7.34	NM	8.68	-122.3	NS	NS	NS
	1/15/07	11.94	85.66	7.41	NM	8.76	-133.6	NS	NS	NS
i	1/25/07	12.06	85.54	7.10	838	1.84	6.0	NS	NS	NS NS
	1/29/07	12.21	85.39	7.07	NM ·	12.24	-98.9	NS	NS	NS NS
1	2/12/07	12.74	84.86	7.34	NM	11.84	-6.2	NS	NS NS	NS
•	2/26/07	12.01	85.59	7.28	NM	6.63	252.3 32.2	NS NS	NS NS	NS
ļ	3/12/07	12.92	84.68	6.68	NM	14.60 11.34	-66.9	NS	NS	NS
	3/26/07	11.91	85.69	6.67	NM NM	5.75	-1.8	NS	NS	NS
	4/10/07	11.26	86.34	7.09 4.94	1015	0.60	-27.6	NS	NS	NS
•	4/24/07	10.39	87.21 86.33	5.66	NM	11.98	32.9	NS	NS	NS
1	5/7/07	11.27 11.02	86.58	5.82	NM	10,45	45.7	NS	NS	NS
	5/24/07 6/4/07	12.13	85.47	5.52	NM	*24.65	-8.6	NS	NS	NS
Į.	6/18/07	12.38	85.22	6.48	NM	15.23	-67.2	NS	NS	NS
1	7/3/07	12.52	85.08	7.60	NM	15.09	37.0	NS	NS	NS
I	7/16/07	12.81	84.79	7.25	NM	15.37	58.0	NS	NS	NS
1	8/1/07	12.95	84.65	6.61	NM	14.28	-57.4	NS	NS	NS NS
	8/13/07	13.01	84.59	5.22	NM	15.20	-265.0	NS	NS	NS NS
1	8/27/07	13.23	84.37	6.48	MM	19.17	-92.2	NS	NS NS	NS NS
i	9/10/07	13.32	84.28	7.72	NM	12.07	-61.6	NS	NS NS	NS NS
	9/25/07	13.39	84.21	7.69	NM	7.23	-73.5 -73.0	NS NS	NS	NS
	10/4/07	13.50	84.10	6.55	1436	1.34 1.97	-73.0	NS	NS	NS
1	10/9/07	13.54	84.06	6.07	NM NM	5.91	-51.9	NS	NS	NS
Į.	10/22/07	13.29	84.31	6.81 7.41	NM NM	9.97	-24.2	NS	NS	NS
1	11/5/07	13.13	84.47	6.71	NM	4.31	-50.1	NS	NS	NS
	11/19/07	12.84 13.83	84.76 83.77	7.06	NM	9.75	-199.7	NS	NS	NS
	12/3/07		84.66	7.06	NM	8.15	-111.5	NS	NS	NS
1	12/17/07 1/2/08	12.94	85.18	6.46	NM	6.47	-139.1	NS	NS	NS
1	1/14/08	12.42	85.57	6.41	NM	7.01	-130.4	NS	NS	NS
	1/29/08	12.41	85.19	6.36	NM	9.21	61.5	NS	NS	NS
I	2/11/08	12.23	85.37	NM	NM	NM	NM	NS	NS	NS
1	3/11/08	10.38	87.22	6.47	245	4.21	61	NS	NS	NS_
MOTEC.		· · · · · · · · · · · · · · · · · · ·								

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

<sup>97.02 =</sup> PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

<sup>\*</sup> indicates these wells are sampled for secondary MNA parameters. \*\* Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

	rittsheid, M	assachusetts								
Monitoring Well & PVC Elevation (ff)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
								NS	NS	NS
ECS-3*(")	11/8/99	NA .	NA	NA NA	NA	NA	NA	1	NS NS	NS
97.95	12/19/02	NA .	NA	NA	NA	NA 0.07	NA co.c	N\$ <1.0	<10.0	53.9
97.76	9/8/05	12.65	85.11	5.64	1,418	0.87	-69.9		NS	NS
	11/1/05	10.87	86.89	6.23	694	1.52	-0.4	NS	NS	NS
	1/25/06	, NG	NA NA	NM .	NM	NM	NM .	NS	<1.0	10.3
1	4/11/06	12.34	85.42	6.69	2,070	0.36	-40.0	<0.1 <0.5	27.5	14.4
	7/20/06	12.56	85.20	3.10	908	0.32	610	NS	NS	NS
	9/15/06	13.61	84.15	6.89	NM	5.24	-57.3	NS NS	NS	NS
	9/21/06	13.24	84.52	7.19	NM	10.88	255	T I	NS	NS
	10/6/06	13.08	84.68	6.97	NM	3.19	8.2	NS NS	NS	N\$
ı	10/10/06	13.17	84.59	7.05	599	0.55	78.0		NS NS	NS
	10/23/06	12.25	85.51	6.28	NM ·	2.18	NM	NS.	NS NS	NS
	11/7/06	12.45	85.31	6.60	NM	9.35	-68.8	NS		NS NS
1	11/20/06	11.81	85.95	6.52	. NM	10.34	177.8	NS	NS	NS NS
	12/4/06	12.31	85.45	7.24	NM	3.85	342.4	NS	NS.	NS NS
	12/18/06	12.77	84.99	6.27	NM	8.35	-31.9	NS	NS	
	1/2/07	12.64	85.12	7.19	NM	7.25	-209.7	NS	NS NS	NS NS
	1/15/07	12.19	85.57	7.12	NM	7.39	-209.4	NS	NS 28.4	5.98
A	1/25/07	12.27	85.49	7.25	627	1.20	6.0	<0.5		NS
	1/29/07	12.47	85.29	7.18	NM	8.72	-125.6	NS	NS	NS NS
	2/12/07	12.96	84.80	7.55	NM	10.63	-89.0	NS	NS	NS NS
	2/26/07	NG-S	NA	NM	NM	NM	NM	NS	NS	4
1	3/12/07	NG-S	NA	NM	NM	NM	NM	NS	NS .	NS NS
	3/26/07	12,13	85.63	6.72	NM .	8.71	-80.60	NS ·	NS	NS NS
	4/10/07	11.51	86.25	7.00	NM	14.93	-8.40	NS NS	NS	NS NS
	4/24/07	10.62	87.14	6.70	819	1.43	-66.8	NS	NS NS	NS NS
	5/7/07	11.52	86.24	5.24	NM	12.26	38.2	NS	NS	NS NS
ł	5/24/07	11.38	86.38	5.43	NM	9.37	49.2	NS	NS	NS NS
1	6/4/07	12.4	85.36	5.72	NM	8.62	-16.7	NS	NS	NS NS
	6/18/07	12.59	85.17	6.64	NM	12.59	-141.8	NS	NS NS	1
	7/3/07	12.98	84.78	7.98	NM	15.82	37.7	NS	NS	NS
	7/16/07	13,27	84.49	7.92	NM	15.98	56.4	NS	NS	NS NS
	8/1/07	13.18	84.58	6.78	NM	18.48	-76.9	NS	NS	i
	8/13/07	13.26	84.50	6.77	NM	2.18	-262.7	NS	NS	NS
	8/27/07	13.48	84.28	6.77	NM	11.05	-115.8	NS '	NS	NS NS
	9/10/07	13.55	84.21	7.58	NM	9.23	-48.2	NS	NS NS	
1	9/25/07	13.63	84.13	7.55	į NM	7.23	-50.1	NS	NS	NS
ı	10/4/07	13.73	84.03	7.04	800	5.31	-99.0	<0.1	37.8	5.21
Į.	10/9/07	13.77	83.99	6.47	NM	5.10	-329.9	NS	NS	NS
	10/22/07	13.50	84.26	7.63	NM	4.38	-50.3	NS	NS	NS
1	11/5/07	13.36	84.40	7.88	NM	7.21	-42.7	NS	NS	NS
	11/19/07	13.09	84.67	7.52	4 NM	3.71	-48.5	NS	NS NS	NS NS
	12/3/07	13.04	84.72	7.21	NM	7.07	-127.1	NS	NS	NS
ı	12/17/07	13.18	84.58	7.17	NM	7.01	-125.1	NS.	NS	NS
I	1/2/08	12.71	85.05	6.17	NM	5.21	41.4	NS	NS	NS
	1/14/08	12.24	85.52	6.09	NM	5.02	40.1	NS	NS NS	NS
1	1/29/08	12.64	85.12	7.12	NM	8.75	8.2	NS	NS	N'S
1	2/11/08	12.27	85.49	NM	NM	NM	NM	NS	NS	NS 0.00
I	3/11/08	10.68	87.08	7.12	932	2.97	-77	<0.5	27.1	2.08
i I		1	1	i	ŀ		1	J	l	1

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

<sup>97.02 =</sup> PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

\* indicates these wells are sampled for secondary MNA parameters. \*\* Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

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Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
ECS-4**	11/8/99	NA	NA NA	NA	NA	NA	NA	NS	NS	NS
97.06	12/19/02	NA	NA	NA	NA '	NA NA	NA	NS	N\$	NS
96.75	9/8/05	11.94	84.81	NM	NM	NM	NM	NS	NS	NS
1 00	1/25/06	NG	NA	NM	NM ·	NM	NM	NS	NS	NS
1	4/10/06	11.51	85.24	NM	NM	. NM	NM	NS	NS	NS
	7/20/06	11.96	84.79	5.67	1,013	246	932	NS	NS	NS
	9/15/06	DRY	NA	NM	NM ·	NM	NM	NS	NS	NS
	9/21/06	DRY	NA	NM	NM	. NM	NM	NS .	NS	NS
1	10/6/06	12.36	84.39	NM	NM .	-NM	NM	NS	NS	NS
	10/10/06	12.43	84.32	l NS	NS	. NS	NS	NS	NS	NS I
•	10/23/06	11.75	85.00	5.94	NM .	2.51	NM	NS	NS	NS
1	11/7/06	11.72	85.03	6.54	NM	10.47	-42.90	NS	NS	NS I
	11/20/06	11.08	85.67	7.01	NM	10.25	166.30	NS	NS	NS
	12/4/06	DRY	NA	NM	NM	NM	NM	NS	NS	NS
1	12/18/06	DRY	NA	NM	NM	NM ·	NM	NS .	NS	NS
1	1/2/07	11.93	84.82	6.78	NM	10.48	-36.50	. NS	NS	NS
	1/15/07	11.41	85.34	6.95	NM	10.82	-86.90	NS	NS	NS
1	1/25/07	11.55	85.20	NS	NM ·	NS	NS	NS	NS	NS
	1/29/07	11.72	85.03	6.95	NM .	12.86	-35.2	NS	NS	NS
	2/12/07	12.23	84.52	NM	NM .	NM	NM	NS	NS	NS
	2/26/07	NG	NA .	NM	NM	NM	NM	NS	NS	NS
	3/12/07	12.42	84.33	NM	NM	NM	NM	NS	NS	NS
1	3/26/07	11.39	85.36	5.87	NM	13.76	179.60	NS	NS	NS
	4/10/07	10.46	86.29	6.75	NM	12.17	64.50	NS	NS	NS
	4/24/07	9.88	86.87	5.83	891	4.95	202	NS	NS	NS
	5/7/07	11.79	84.96	6.42	· NM	5.34	136	NS	NS	- NS
1	5/24/07	11.65	85.10	6.23	NM	4.21	150	NS	NS	NS
1	6/4/07	11.63	85.12	5.72	NM	9.72	38	NS	NS	NS
	6/18/07	11.81	84.94	6.53	NM	12.81	123	NS	NS	NS
	7/3/07	12.25	84.50	7.65	NM	7.17	87	NS	NS	N\$
	7/16/07	12.31	84.44	7.41	NM	7.23	83	NS	NS	NS
1	8/1/07	12.47	84.28	6.58	NM	20.52	101	NS	NS	NS
	8/13/07	12.53	84.22	6.40	. NM	6.61	265	NS	NS	NS
1	8/27/07	12.61	84.14	6.59	NM	9.21	-89	NS	NS	NS
ı	9/10/07	DRY	96.75	NM	NM	NM	NM	NS	NS	NS
Į.	9/25/07	DRY	96.75	NM	NM	NM	NM	NS	NS	NS
	10/4/07	DRY	96.75	NM	NM	NM	NM	NS	NS	NS
1	10/9/07	DRY	96.75	NM	NM	NM	NM	NS	NS	NS
1	10/22/07	DRY	96.75	! NM	] NM	NM	NM	NS	NS	NS
	11/5/07	12,62	84.13	NM	NM	NM	NM	NS	NS	NS
1	11/19/07	12.31	84.44	NM	NM	NM	NM	NS	NS	NS
1	12/3/07	12.31	84.44	NM	NM.	NM	NM	NS	NS	NS
I	12/17/07	NG	NG	NM	NM	NM	NM	NS	NS	NS
	1/2/08	DRY	96.75	NM	- NM	NM	NM	NS	NS	NS
	1/14/08	DRY	96.75	NM	NM ·	NM	NM	NS	NS NS	NS
	1/29/08	DRY	96.75	NM	NM	NM	NM	NS	NS	NS
B	2/11/08	DRY	96.75	NM	NM	NM	NM	NS	NS	NS
	3/11/08	9.93	86.82	6.78	887	9.81	92	NS	NS	NS

NOTES:

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter, mg/L = milligrams per liter, mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

<sup>97.02 =</sup> PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

<sup>\*</sup> indicates these wells are sampled for secondary MNA parameters. \*\* Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

O'Connell Oil/Mobil Station
730 East Street
Pittsfield, Massachusetts

#### Table 2 Groundwater Geochemical Monitoring Data

Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved fron (mg/L)
			NA.	NA	NA	NA	NA.	NS	NS	NS
ECS-5	11/8/99	NA .	NA NA	NA NA	NA NA	NA NA	NA NA	NS	NS	NS NS
97.73	12/19/02 9/8/05	NA 12.44	85.12	5.12	893	1.47	484	NS	NS	NS
97.56	1/25/06	10.22	87.34	7.31	830	1.67	6.0	NS	NS	NS:
	4/11/06	11.15	86.41	6.81	910	2.61	18.0	NS	NS	NS
	7/20/06		85.08	4.93	803	2.63	559	NS	NS	NS
	10/10/06	12.48 12.98	84.58	4.93 NM	NM	NM	NM	NS	NS	NS
	1/25/07	12.96	85.42	NM	NM	NM	NM	NS	NS	NS -
	2/26/07	12.14	85.45	8.06	NM	2.21	193.8	NS	NS	, NS
	4/24/07	10.43	87.13	NA	NA NA	NA.	NA	NS	NS .	NS
	10/4/07	13.57	82.77	7.30	813	3.98	82	NS	NS	NS
	3/11/08	10.54	85.80	7.10	834	1.52	105	NS	NS	NS
	3111100	10.54	.03.00	/	0.04	1.02	,,,,			
ECS-6	2/13/03	NA NA	NA	NA	NA NA	NA	NA NA	NS	NS	l NS
96.58	9/8/05	11.34	85.00	4.97	972	0.43	258	NS	NS .	NS
96.34	11/1/05	9.57	86.77	6.67	893	1.22	26.8	NS	NS	NS
	1/25/06	9.10	87.24	6.90	907	0.60	-99.0	NS	NS	NS NS
	4/10/06	11.05	85.29	7.15	1,146	0.47	64.0	. NS	NS	NS
	7/20/06	11.40	84.94	4,11	907	0.17	561	NS	NS	NS
	10/10/06	11.89	84.45	NM	657	0.84	86.4	NS	NS	NS
	1/25/07	10.99	85.35	7.12	802	1.91	49.0	NS	NS	NS
	4/24/07	9.35	86.99	6.71	885	0.26	-10.4	NS	NS	NS
	10/4/07	12.46	83.88	6.87	947	1.20	-4.0	NS	NS	NS
	3/11/08	10.44	85.90	6.04	1408	0.35	83.0	22.8	252	30.6
	1	•	1 .			·	1	1		1
ECS-7	2/13/03	, NA	NA NA	NA NA	NA .	NA.	NA NA	ŅS	NS	NS
95.97	9/8/05	9.75	85.79	5.55	1,398	1.20	243	NS	NS	NS
95.54	1/25/06	9.05	86.49	6.85	925	0.35	16.0	NS	NS	NS
	4/10/06	9.90	85.64	6.44	1,490	0.79	180	NS	NS	NS
	7/20/06	9.78	85.76	NM	NM	NM	NM	NS	NS	NS
ŀ	10/10/06	9.96	85.58	NM	NM	NM	NM	NS	NS	NS
	1/25/07	9.70	85.84	NM	NM .	NM	NM	NS	NS	NS
,	4/24/07	9.47	86.07	NM	NM .	NM	NM .	NS	NS	NS
	10/4/07	10.41	85.13	6.58	1,089	0.39	9	NS	NS	NS
<b>.</b>	1			ł	j		1	1	<u>†                                    </u>	

NOTES

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter, mg/L = milligrams per liter, mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

<sup>97.02 =</sup> PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

<sup>\*</sup> indicates these wells are sampled for secondary MNA parameters. \*\*Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

Table 2
Groundwater Geochemical Monitoring Data

	Pittstield, W	assacnusens								
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	рН (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
ECS-8**	2/13/03	NA	NA	NA	NA :	NA	NA	NS	NS	NS
95.72	9/8/05	10.35	85.08	4.74	1,534	1.20	469	<0.1	52.6	18.3
95.43	1/25/06	NG	NA	NM	NM	: NM	NM	NS	NS	NS
<b>l</b> :	4/11/06	9.98	85.45	6.51	193	0.16	4.0	<0.1	59.2	1.64
	7/20/06	10.28	85.15	NM	NM	NM	NM	NS	NS	NS
	9/15/06	11.29	84.14	6.62	, NM	10.17	-2.8	NS	NS	NS
	9/21/06	10.31	85.12	6.75	NM	7.85	123	NS	NS	NS
<b>l</b> .	10/6/06	11.75	83.68	7.63	NM	1.23	27.0	NS	NS	NS
	10/10/06	10.81	84.62	ΝM	NM	NM	NM	, NS	NS	NS
	10/23/06	NG	NA	NM	MM	. NM	NM	NS	NS	NS I
1	11/7/06	10.09	85.34	6.33	NM	7.43	-34.7	NS	NS	NS
· .	11/20/06	9.47	85.96	6.82	NM	3.53	78.6	NS	NS	NS
	12/4/06	9.92	85.51	7.92	NM	10.70	179.5	NS	NS	NS I
i S	12/18/06	11.42	84.01	6.18	NM '	7.30	27.2	NS '	NS	พร
	1/2/07	10.33	85.10	6.69	NM .	7.64	-98.5	NS	NS	NS
	1/15/07	9.87	85.56	6.82	: NM	7.33	-109.6	NS	NS	NS
l .	1/25/07	9.91	85.52	NM	NM	NM	NM	NS	NS	NS
B .	1/29/07	10.08	85.35	7.13	NM	13.11	79.2	NS	NS	NS
	2/12/07	11.62	83.81	6.93	. NM	10.22	14.4	NS	NS	NS
	2/26/07	10.35	85.08	7.31	NM	6.41	246.7	NS	NS	NS
	3/12/07	10.22	85.21	7.14	NM -	8.63	62.7	NS	NS	NS
	3/26/07	9.84	85.59	7.15	NM	9.40	39.7	NS	NS	NS
1	4/10/07	9.16	66.27	7.06	NM	11.61	60.4	NS	NS	NS
1	4/24/07	8.19	87,24	6.40	1,075	8.84	222.6	NS	NS	NS
]	5/7/07	9.00	86.43	5.01	NM	11.69	90.8	NS	NS	NS
1	5/24/07	9.83	85.60	5.47	NM NM	10.14	108.2	NS	NS	NS
	6/4/07	9.08	86.35	5.13	NM	8.03	43.6	NS	NS	NS
1	6/18/07	10.18	85.25	6.28	NM	13.65	-14.7	NS	NS	NS
1	7/3/07	10.62	84.81	7.36	NM	7.44	90.8	NS	NS	NS
ĺ	7/16/07	11.89	83.54	7.14	NM	7.54	104.7	NS	NS	NS .
	8/1/07	10.83	84.60	6.45	NM	7.61	71.8	NS	NS	NS
	8/13/07	10.92	84.51	5.71	NM	3.10	-283.4	N\$	NS	NS
	8/27/07	11.17	84.26	6.27	NM .	7,42	-13.8	NS	NS	NS
1	9/10/07	11.26	84.18	7.30	NM .	9,71	-14.5	NS	NS	NS
i	9/25/07	11.35	84.08	7.28	NM	7.10	-17.1	NS NS	NS	NS
!	10/4/07	11.45	83.98	6.41	1,580	0.54	96.0	NS	NS	NS
1	10/9/07	11.48	83.95	6.16	NM	2.85	-301.2	NS	NS	NS
	10/22/07	11.22	84.21	7.04	NM	4.01	-22.5	NS	NS	NS
ı	11/5/07	11.05	84.38	7.08	NM	3.01	39.9	NS	NS	NS
	11/19/07	10.79	84.64	7.03	NM	3.85	-25.2	NS	NS	NS
	12/3/07	9.74	85,69	7.01	NM .	2.98	38.4	NS	NS	NS
1	12/17/07	NG	NG	NM	NM	NM	NM	NS	NS	NS
	1/2/08	NG	NG	NM	NM	· NM	NM	NS	NS	NS
	1/14/08	NG	NG	I NM	NM .	NM	NM	NS NS	NS	NS
1	1/29/08	10.31	85.12	6.42	NM	4.51	73.0	NS	NS	N\$
1	2/11/08	NG	NG	NM	NM	NM	NM	NS	NS	NS
	3/11/08	NG	NG	NM	NM	NM	NM	NS	NS	NS

NOTES

Ift = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

\* indicates these wells are sampled for secondary MNA parameters. \*\*Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

O'Connell Oil/Mobil Station 730 East Street

	Well & PVC   Monitoring   Depth to   Ground					•				
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
ECS-9*	2/13/03	NA	NA	NA	NA	NA	NA	NS	NS	NS
95.22	9/19/05	10.91	84.08	6.22	1,047	4.69	-46.8	<0.1	<1.0	11.5
94.99	1/25/06	8.38	86.61	6.32	944	0.80	-89.0	<0.1	7.27	9.75
01.00	4/11/06	10.33	84.66	6.52	157	0.60	-13.0	<0.1	<1.0	0.945
i i	7/20/06	10.72	84.27	3.02	1,136	0.30	445	<0.1	<1.0	10.8
	10/10/06	11.12	83.87	NA	NA	NA	NA .	NS	NS	NS
1	1/25/07	10.31	84.68	6.64	995	1.42	-2	<0.5	<5.0	10.6
1	4/24/07	8.57	86.42	6.40	1,609	0.58	-2.6	иѕ	NS	NS
	10/4/07	11.79	83.20	6.69	1,478	1.11	-94.0	<0.1	8.05	47.1
	3/11/08	8.63	86.36	6.75	1,217	0.32	12.0	<0.1	36.2	6.76
ECS-10	2/13/03	. NA	NA	NA.	NA	NA	NA	NS	NS	เหร
95.90	9/8/05	9.59	86.16	4.40	1,624	0.93	601	NS	NS	NS
95.75	1/25/06	8.57	87.18	6.96	1,850	0.37	23.0	NS	NS	NS
03.70	4/10/06	9.52	86.23	6.60	234	0.35	180	NS I	NS	NS
	7/20/06	9:42	86.33	NM	NM	NM	NM	NS	NS	หร
	10/10/06	9.64	86.11	ММ	NM	ИM	NM	NS	NS	NS
	1/25/07	9.31	86.44	NM	NM	NM	NM	NS	NS	NS
	4/24/07	8.53	87.22	NM	NM	NM .	NM	NS NS	NS	NS NS
	10/4/07	10.18	85.57	6.60	1,570 930	0.36 0.51	15.0 82.0	NS 3.84	NS 27.20	NS 1.20
1	3/11/08	5.74	90.01	6.58	200	0.51	02.0	3.04	27.20	1.20
ECS-11**	1/25/06	9.28	87.42	6.42	1,033	0.70	-74.0	<0.1	25.2	10.4
96.70	4/10/06	10.94	85.76	6.92	1,103	0.67	-5.0	NS	NS	NS
	7/20/06	11.31	85.39	4.75	1,024	0.25	503	NS	NS	NS NS
Ĭ	9/15/06	12.31	84.39	7.00	NM.	8.92	-49.9	NS	NS	NS
	9/21/06	11.89	84.81	6.95	MM	10.01	266	NS	NS	NS
	10/6/06	11.74	84.96	8.10	NM	2.48	-41.5	NS	NS	NS NS
· .	10/10/06	11.81	84.89	NM	649	0.63 1.60	71.4 NM	NS NS	NS NS	NS NS
	10/23/06	11.20	85.50	6.12 6.76	MM NM	10.43	-51.4	NS	NS	NS
<b>.</b>	11/7/06 11/20/06	10.74 10.49	85.96 86.21	7.56	NM	8.52	-11.5	NS	NS	NS
	12/4/06	10.93	85.77	7.46	NM	12.59	232.5	NS	NS	NS
	12/18/06	11.40	85.30	6.44	NM	8.36	-8.5	NS ·	NS	NS
	1/2/07	11.34	85.36	7.69	. NM	8.39	-127.5	NS	NS	NS
	1/15/07	10.89	85.81	7.34	NM	8.16	-133.4	NS	NS	NS
	1/25/07	10.98	85.72	7.03	849	1.58	4.0	NS NS	NS NS	NS NS
	1/29/07	11.11	85.59	7.43 7.22	NM NM	8.73 10.69	-105.0 -48.6	NS NS	NS	NS
	2/12/07 2/26/07	11.54 11.14	85.16 85.56	7.14	NM	4.89	NM	NS	NS	NS
1	3/12/07	11.14	84.79	7.07	NM	9.85	42.4	NS	NS	NS
	3/26/07	10.86	85.84	7.29	NM	10.23	-38.8	NS	NS	NS
	4/10/07	10.2	86.50	7.25	NM	12.52	66.7	NS -	NS	NS
	4/24/07	9.35	87.35	5.70	1,163	0.30	149.2	NS	NS	NS
	5/7/07	10.18	86.52	5.37	NM	12.55	59.1	NS NC	NS NS	NS NS
l	5/24/07	10.98	85.72	5.82	NM NM	11.23 6.17	58.6 210.1	NS NS	NS NS	NS NS
	6/4/07	11.05 11.28	85.65 85.42	6.63 6.72	NM	9.23	10.2	NS	NS	NS
. [	6/18/07 7/3/07	11.65	85.05	7.85	NM	15.90	81.5	NS	NS	NS
	7/16/07	12.92	83.78	7.03	NM	13.29	98.3	NS	NS.	NS
1	8/1/07	11.87	84.83	6.94	NM	9.42	-0.6	NS	NS	NS
	8/13/07	11.97	84.73	6.27	NM	1.21	-319.1	NS	NS	NS .
	8/27/07	12.2	84.50	6.65	NM	8.97	-51.7	NS	NS	NS
	9/10/07	12.29	84.41	7.28	NM	5.81	-41.1 -42.3	NS NS	NS NS	NS NS
ı	9/25/07	12.36	84.34	7.26	NM 1,176	5.23 1.07	-42.3	NS NS	NS	NS NS
	10/4/07	12.47 12.52	84.23 84.18	6.64 6.91	NM	5.33	-306.3	NS	NS	NS
	10/22/07	12.26	84.44	7.91	NM	4.20	-64.1	NS	NS	NS
1	11/5/07	12.10	84.60	7.56	. NM	2.80	-15.1	NS	NS	NS
9	11/19/07	11.82	84.88	7.82	NM	4.07	-69.7	, NS	NS	NS
1	12/3/07	12.79	83.91	7.31	NM	2.68	-98.1	NS	NS NS	NS
1	12/17/07	11.93	84.77	7.03	NM	2.97	-91.5	NS NS	NS NS	NS NS
	1/2/08	11.40	85.30	6.61	NM	4.95 4.52	-96.2 -65.7	NS NS	NS NS	NS NS
	1/14/08 1/29/08	11.01 11.34	85.69 85.36	6.60 7.11	NM NM	5.47	20.9	NS NS	NS	NS .
	2/11/08	11.19	85.51	NM	NM	NM	NM	NS	NS	NS
1	3/11/08	9.36	87.34	6.88	1,601	0.86	-25.0	NS	NS	NS
B .		J	<u> </u>	<u> </u>	<u> </u>	1	1		<u> </u>	

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter, mg/L ≈ milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

<sup>97.02 =</sup> PVC elevations following well repairs on 8/29/05 & 9/1/05. Boild date denotes a groundwater sampling event.

\* indicates these walls are sampled for secondary MNA parameters. \*\*Walls FCS-2, FCS-3, FCS-4, FCS-8, FCS-11

to semandary MNA parameters. \*\*Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within 02 remediation

# Table 2 Groundwater Geochemical Monitoring Data

								1		
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
ECS-12*(**)	1/25/06	8.64	87.51	6.44	1,207	0.53	-117	NS .	NS	NS
96.15	4/10/06	10.60	85.55	6.65	1,436	0.42	14.0	NS	NS	NS
	7/20/06	10.95	85.20	4.19	1,419	0.12	506	15.5	<5.0	15.5
	9/15/06	11.92	84.23	6.60	NM	8.11	-47.5	и\$	NS	NS
	9/21/06	11.53	84.62	6.67	NM	9.63	283	NS	NS	NS
	10/6/06	11.35	84.80	7.68	NM .	1.24	-22.7	NS	NS	NS
	10/10/06	11.42	84.73	6.58	1,291	0.48	-23.3	NS	· NS	NS
	10/23/06	10.79	85.36 ·	5.91	NM	1.46	NM	NS	NS	NS
	11/7/06	10.74	85.41	6.65	NM	5.74	-69.8	NS	NS	NS
	11/20/06	10.15	86.00	6.94	NM	8.77	72.5	NS	NS .	NS
	12/4/06	10.58	85.57	7.32	NM .	12.13	199.4	NS	NS	-NS
	12/18/06	11.04	85.11	6.20	NM	7.52	-3.8	NS	NS	NS
	1/2/07	10.96	85.19	7.29	NM	8.41	-120.8	NS	NS	NS
1	1/15/07	10.56	85.59	7.02	NM N	8.29	-128.6	NS	NS	NS
	1/25/07	12.55	83.60	6.93	1,500	1.51	9.0	<2.0	<20.0	15.8
	1/29/07	11.74	84.41	7.22	MM	13.75	-94.7	NS	NS	NS
•	2/12/07	11.23	84.92	6.95	NM	13.78	-52.9	NS	NS	NS
	2/26/07	NG-S	NA	NM	NM	NM	NM	NS	NS	NS
1	3/12/07	NG-S	NA	NM	NM	NM NM	NM	NS	NS	NS
ł	3/26/07	10.42	85.73	7.06	NM	12.40	-89.60	NS	NS	NS
	4/10/07	9.77	86.38	6.76	NM	10.88	-14.00	NS	NS	NS
	4/24/07	8.83	87.32	5.48	1,642	0.30	-57.8	NS	NS	NS
l	5/7/07	9.89	86.26	5.93	NM	16.80	-11.9	NS	NS	NS NS
	5/24/07	10.21	85.94	6.01	NM	13.25	24.3	NS	NS	NS NS
•	6/4/07	10.66	85.49	5.99	NM	12.92	28.4	NS	NS	NS
1	6/18/07	10.86	85.29	6.71	NM	12.56	-84.4	NS	NS NS	NS NS
]	7/3/07	11.27	84.88	7.85	NM	21.14	46.2	NS	NS NS	NS
į.	7/16/07	12.54	83.61	7.88	NM	18.24	60.7	NS NS	NS NS	NS
	8/1/07	11.47	84.68	6.80	NM	9.79	-59.9	I .	NS NS	NS
	8/13/07	11.56	84.59	6.35	NM	1.35	-331.1 -75.3	NS. NS	NS	NS NS
	8/27/07	11.78	84.37	6.34	NM	8.73 5.96	-75.3 -68.2	NS NS	NS NS	NS
	9/10/07	11.87	84.28	7.26	NM		-69.9	NS NS	NS	NS
•	9/25/07	11.95	84.20	7.23	NM 1740	5.30 1.11	-86.0	<0.1	10.0	21.3
	10/4/07	12.04	84.66	6.71	1,740	4.22	-300.4	NS	NS	NS
	10/9/07	12.08	84.62	6.71	NM	1	-40.7	NS	NS	NS
	10/22/07	11.82	84.88	7.42	NM	3.31 6.90	-99.2	NS	NS	NS
	11/5/07	11.66	85.04	7.47	NM NM	2.97	-39.5	NS NS	NS	NS
	11/19/07	11.38	85.32	7.34	NM	6.95	-111.5	NS	NS	NS
1	12/3/07	12.87	83.83	7.49	NM	6.51	-110.1	NS NS	NS	NS
1	12/17/07	11.47	85.23	7.49	NM	6.51	-76.1	NS	NS	NS
1	1/2/08	10.97	85.73	6.52 6.59	NM	6.01	-70.1	NS	NS	NS
	1/14/08	10.59	86.11 85.78	6.85	NM	6.38	16.1	NS	NS	NS
	1/29/08 2/11/08	10.92 10.82	85.88	NM	NM <sub>-</sub>	NM	NM	NS	NS	NS

NOTES:

tt = feet; SU = standard units; mS/cm = milliSiemens per centimeter, mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

<sup>97.02 =</sup> PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

<sup>\*</sup> indicates these wells are sampled for secondary MNA parameters. \*\*Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

# Table 2 Groundwater Geochemical Monitoring Data

Monitoring					Specific	Dissolved	Redox	Mitmata	Sulfate	Dissolved Iron
Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Conductivity (µS/cm)	Oxygen (mg/L)	(mV)	Nitrate (mg/L)	(mg/L)	(mg/L)
ECS-13**	1/25/06	NG	NA.	NM	NM	NM	NM	NS	NS	NS
97.66	4/10/06	12.20	85.46	6.61	246	0.75	-2.0	NS	NS	NS
	7/20/06	12.53	85,13	3.00	890	0.28	543	พร	NS	พร
	9/15/06	10.45	87.21	7.10	NM	9.28	-40.2	NS	NS	NS
-	9/21/06	13.11	84.55	7.76	NM	11.94	244	NS	NS ·	NS
	10/6/06	12.97	84.69	8.19	NM	4.94	-7.6	NS	NS	NS
	10/10/06	13.01	84.65	6.32	533	0.73	14.2	NS	NS	NS
	10/23/06	12.34	85.32	6.40	. NM	1.50	NM	NS	NS	NS
	11/7/06	12.31	85.35	6.25	NM	13.45	109.4	NS	NS	NS
_	11/20/06	11.72	85.94	6.74	NM	3.33	16.3	NS	NS	NS
	12/4/06	12.18	85.48	7.42	NM	9.57	180.2	NS	NS	: NS
	12/18/06	12.62	85.04	6.40	NM	5.97	-13.7	NS	NS	NS
	1/2/07	12.58	85.08	7.29	NM	6.41	-135.4	NS	NS	NS
	1/15/07	12.04	85.62	7.18	NM	6.27	-173.5	NS	NS	NS .
	1/25/07	12.18	85.48	7.59	668	1.46	57.0	NS	NS	NS
	1/29/07	12.34	85.32	7.58	NM	12.82	-84.6	NS	NS	NS.
	2/12/07	12.83	84.83	7.41	NM	8.54	-59.4	NS	NS.	NS
	2/26/07	NG-S	NA NA	NM	NM	NM	NM	NS	NS	NS
	3/12/07	NG-S	NA NA	NM	NM	NM	NM	NS	NS	NS
	3/26/07	12.03	85.63	6.92	NM	14.41	104.50	NS	NS	NS
	4/10/07	11.41	86.25	6.69	NM	13.47	14.60	NS	NS	NS
	4/24/07	10.51	87.15	6.96	685	280.00	-41.3	NS	NS	NS
	5/7/07	11.42	86.24	4.75	NM	15.95	125.6	NS	NS	NS
	5/24/07	11.27	86.39	5.06	NM	14.82	132.7	. NS	NS	NS
	6/4/07	12.27	85.39	6.18	NM	11.05	21.8	NS	NS	NS
	6/18/07	12.50	85.16	7.31	NM	14.44	48.1	NS	NS	NS
	7/3/07	12.88	84.78	8.22	NM	12.65	73.3	NS	NS	NS
i c	7/16/07	12.95	84.71	7.81	NM	12.64	88.1	NS	NS	NS
	8/1/07	13.07	84.59	7.34	NM	24.48	110.5	NS	NS	NS
	8/13/07	13.17	.84.49	6.97	NM	10.09	-256.6	NS	NS	NS NS
	8/27/07	13.39	84.27	6.61	NM	10.78	-111.8	NS	NS NS	NS NS
	9/10/07	13.45	84.21	7.73	NM	7.28	-83.8	NS	NS NS	NS NS
l	9/25/07	13.52	84.14	7.72	NM 937	7.10 0.53	-86.7 -53.0	NS NS	NS NS	NS
	10/4/07	13.64	84.02	7.22			-268.4	NS	NS	NS
	10/9/07	13.67	83.99	6.61	NM NM	3.41 4.81	-266.4 -46.2	NS NS	NS NS	NS
	10/22/07	13.38	84.28	7.52	NM NM	8.19	-46.2 -37.1	NS NS	NS NS	NS
	11/5/07	13.20	84.46	7.13	NM NM	4.02	-37.1 -45.5	NS NS	NS	NS
	11/19/07	12.92	84.74 84.79	7.45 7.07	NM NM	8.12	-102.4	NS NS	NS	NS
	12/3/07	12.87	84.65	7.07	NM	7.15	-102.4	NS NS	NS	NS
	12/17/07	13.01	ł.	6.01	NM	5.10	39.8	NS NS	NS	NS
	1/2/08	12.54	85.12 85.60	6.05	NM	5.04	42.3	NS NS	NS	NS
	1/14/08	12.06	85.13	7.01	NM	8.13	-11.3	N\$	NS	NS
	1/29/08 2/11/08	12.53 12.34	85.32	NM	NM	NM	NM	NS	NS	NS
	3/11/08	10.80	86.86	7.27	905	3.52	-39	NS	NS	NS
	371100	10.00	00.00	1.4	300	0.02	1		1	1

NOTES:

itt = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV ≈ millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

<sup>97.02 =</sup> PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

<sup>\*</sup> indicates these wells are sampled for secondary MNA parameters. \*\*Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

		l/Mobil Station st Street assachusetts			Gra	oundwater Geo	Table 2 chemical f	Monitoring Da	ita	and the second
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iro (mg/L)
ECS-14	4/10/06	10.00	86.25	6.92	1,310	0.20	4.0	NS	NS	NS
96.25	7/20/06	10.31	85.94	NM	NM	NM	NM	NS	NS	NS
	10/10/06	10.79	85.46	NM	NM	NM	NM	NS	NS	NS
	1/25/07	9.87	86.38	NM.	NM	NM	NM	NS	NS	NS
	4/24/07	8.51	87.74	NM	NM	NM	NM	NS	NS	NS
	10/4/07	11.35	84.90	6.90	1,720	1.21	-81	NS .	NS	NS _
ECS-15	4/10/06	10.47	85.98	6.54	1,357	0.97	68.0	NS	NS	- NS
96.45	7/20/06	10.72	85.73	NM	: NM	NM	NM	N\$	NS	NS
	10/10/06	11.23	85.22	NM	NM	NM	NM	NS	NS	NS
	1/25/07	10.37	86.08	. NM	NM .	NM	NM	NS	NS	NS
	4/24/07	8.93	87.52	NM .	NM	NM	NM	NS	NS	NS
•	10/4/07	11.91	84.54	6.24	1,082	0.90	80	NS	NS	NS

it = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured. NG-S= Not gauged due to snow.

<sup>97.02 =</sup> PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

<sup>\*</sup> indicates these wells are sampled for secondary MNA parameters. \*\*Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

Table 3 (1 of 4) Site Monitoring Data

					engel Fryslan Albert	a is <b>mak</b> ing it in the	nach nadaun Nasassa sa	sandi esti Assa	 A Tulithus place who is place	e en l'houer avet e	Cs-Cs		C <sub>8</sub> - C <sub>10</sub>
Monitoring Well & Elevation (ft)	Sampling Date	and majority of the	Elevation (ft)	Benzene (μg/L)	Toluene (ug/L)	benzene (μg/L)	Xylenes (µg/L)	S BTEX (µg/L)	Naphthalene (µg/L)	MtBE (µg/L)	Aliphatics (mg/L)	Aliphatics (mg/L)	Aromatics (mg/L)
Revised MC	P Method 1 Star	ndards*	GW-2;	2000	50000	20000	<ul> <li>可以整件的中型型。</li> </ul>	NA .	1000	化二氯化甲基苯酚	/*/*** <b>3</b> .50***	and the state of t	7
			GW-3:	10000	40000	5000	5000	NA 🦠	20000	50000	50	50	50
											-0.075	<0.025	-0.005
ECS-1	11/8/99	11.48	85.71	<5.0	<5.0	<5.0 <5.0	<10 <10	ND ND	<5.0 <5.0	<5.0 <5.0	<0.075 <0.075	<0.025	<0.025 <0.025
97.19 97.02	12/19/0 <u>2</u> 9/8/05	11.60 11.78	85.59 85.38	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<10	ND	<5.0 <5.0	<5.0 <5.0	<0.075	<0.025	<0.025
97.16	1/25/06	8,49	88.67	<5.0	<5.0 <5.0	<5.0	<10	ND	<5.0	6.5	0.263	<0.025	<0.025
97.10	4/11/06	11.38	85.78	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	11.72	85.44	<5.0	<5.0	<5.0	<10	ND	<5.0 <5.0	<5.0	<0.075	<0.025	<0.025
effect to the real transfers of manifests and	10/10/06	12.21	84.95	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	11.34	85.82	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
2-10-4 - 1-16	4/24/07	9.89	87.27	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/4/07	12.74	84.42	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	3/11/08	9.82	87.34	<5.0	<5.0	<5.0	<10	ND	<5.0	8.5	<0.075	<0.025	<0.025
·····													
ECS-2	11/8/99	12.35	85.41	<100	670	1,600	7,400	9,670	260	190	<1.50	<0.500	5.0
97.76	12/19/02	12.56	85.20	<20	1,000	420 .	1,920	3,340	34	5,700	0.501	<0.100	0.54
97.60	9/8/05	12.44	85.16	<5.0	754	463	2,396	3,613	92	3,330	2.35	1.52	3.13
	11/1/05	10.65	86.95	<50	425	366	1,502	2,293	<50	4,590	2.37	0.44	2.81
A STATE OF THE PARTY OF THE PAR	1/25/06	10.16	87.44	32.2	778	781	3,827	5,418	163	1,970	5.23	1.39	4.31
	4/10/06	12.09	85.51	42.1	600	1,040	5,820	7,502	244	1,590	9.29	3.63	6.64
	7/20/06	12.42	85.18	<100	670	1,090	5,460	7,220	240	31,700	2.70	2.85	4.53
	10/10/06	12.92	84.68	<50	81.9	232	951	1,265	<50	4,860	<0.750	0.763	1,82
	1/25/07	12.06	85.54	<10	79.1	139	642	860	29.9	1,180	0.793	0.533	1.01
<u> </u>	4/24/07	10.39	87.21	<25	114	479	2,113	2,706	81.6	2,080	1.92	1.12	2.39 .
	10/4/07	13.50	84.10	8.2	<5.0	247	399	654	66.7	350	1.53	0.544	1,19
	3/11/08	10.38	87.22	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	D.623	<0.025	<0.025
	445000	40.00			40.500		40.000	05.400	070	-400	-4.50	-0.500	
ECS-3	11/8/99	12.58	85.37	<100	10,500	2,700	12,200	25,400	370	<100	<1.50	<0.500	9.2 2.22
97.95	12/19/02	12.70	85.25	<100 55	2,900 3,210	1,400 3,010	4,900 14,190	9,200 20,465	100 468	240 821	0.594 15.1	<0.100 5.5	11:0
97.76	9/8/05 11/1/05	12.65 10.87	85.11 86.89	10.2	565	536	2,250	3,361	83	<5.0	2.54	0.13	1.88
	1/25/06	NG	NA	NS	NS	NS	2,250 NS	NA	NS NS	NS	NS NS	NS	NS
	4/11/06	12.34	85.42	145	2,390	3,820	16,930	23,285	491	546	27.1	5.35	12.3
	7/20/06	12.54	85.20	<20	564	744	2,909	4,217	131	70	3.50	2.40	3.15
	10/10/06	13.17	84.59	15.1	1,110	1,280	5,570	7,975	150	<10	2.93	1.23	2.98
	1/25/07	12.27	85.49	11.3	168	865	3,694	4,738	137	65.6	2.62	0.711	3.02
,	4/24/07	10.62	87.14	<5.0	87.1	112	510	709	14	7.5	0.298	0.169	0.446
	10/3/07	13.73	84.03		<5.0	52.7	131.9	185	8.6	<5.0	0.403	0.115	0.180
	3/11/08	10.68	87.08	<5.0 <5.0	29.4	342	618	989	27.6	<5.0	0.812	0.291	0.735
ECS-4	11/8/99	11.78	85.28	<5.0	<5.0	340	460	800	20	19	0.42	<0.025	0.45
97.06	12/19/02	12.45	84.61	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NA	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)
96.75	9/8/05	11.94	84.81	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NA	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)
<b>[</b>	1/25/06	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/10/06	11.51	85.24	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	11.96	84.79	<5.0	<5.0	<5.0	<10	ND	<5.0	10.9	<0.075	<0.025	<0.025
	10/10/06	12,43	84.32	NS	NS	NS	NS	NA	NS	NS	NS .	NS	NS
<u> </u>	4/24/07	9.88	86.87	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	10/4/07	NM	NA	NS	NS	NS	NS	NS	NS	NS	NS NS	NS	NS
	3/11/08	9.93	86.82	<5.0	<5.0	<5.0	<10	ND	<5.0	29.1	<0.075	<0.025	<0.025
!	i	1	1	1	t	i	İ	1	į.	1	1	i	1

NOTES: Depth to water in feet from PVC.

ft = feet. µg/L = micrograms per liter. mg/L = milliograms per liter.

\*MCP Method 1 Standards as set forth by 310 CMR 40.0974(2) revised on Feburary 14, 2008.

Shading indicates value or detection limit exceeds GW-2 standard.

Bolding indicates value or detection limit exceeds GW-3 standard.

D = Duplicate sample.

Elevation of PVC in feet.

NA = Not applicable/available.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05

Table 3 (2 of 4) Site Monitoring Data

nitoring Well Elevation (ft)	Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl- benzene (µg/L)	Xylenes (μg/L)	S BTEX (µg/L)	Naphthalene (µg/L)	MtBE (μg/L)	C <sub>s</sub> - C <sub>s</sub> Aliphatics (mg/L)	C <sub>6</sub> - C <sub>12</sub> Aliphatics (mg/L)	C <sub>e</sub> - C <sub>10</sub> Aromatics (mg/L)
*Revised M(	CP Method 1 Sta	ndards	GW-2: GW-3:	2,000 10,000	50,000 40,000	20,000 - 5,000	9,000 5,000	NA NA	1,000 20,000	50,000 50,000	3.0 50.0	5.0 50.0	7.0 50.0
	11/8/99	12.26	85.47	<20	110	1,400	6,000	7,510	240	<20	1.2	<0.100	5.0
ECS-5 97.73	12/19/02	12.54	85.19	<5.0	<5.0	70	339	409	12	<5.0	0.105	<0.025	0.404
97.56	9/8/05	12.44	85.12	<5.0	5.7	48	208	262	27	<5.0	0.403	0.438	0.948
97.00	1/25/06	10.22	87.34	<5.0	<5.0	28.7	109	138	20.5	_ <5.0	0.480	0.414	0.988
	4/11/06	11.15	86.41	<5.0	<5.0	13.2	52.4	66	10.1	<5.0	0.330	0.336	0.678
	7/20/06	12.48	85.08	<5.0	<5.0	<5.0	14.6	15	6.2	<5.0	0.187	0.286	0.414
	10/10/06	12.98	84.58	NS	NS	NS	NS	NA	NS	NS	NS	NS_	NS
	4/24/07	10.43	87.13	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/4/07	13.57	83.99	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	0.0735
	3/11/08	10.54	87.02	<5.0	<5.0	9.5	35.7	45.2	7.8	<5.0	0.335	0.156	0.430
ECS-6	2/13/03	10.74	85.84	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	0.026
96.58	9/8/05	11.34	85.00	<20	53	1,170	4,183	5,406	167	<20	4.15	1.90	4.96
96.34	11/1/05	9.57	86.77	<5.0	15.8	172	564	752	41.0	. 13.4	0.885	0.264	1.37
30.34	1/25/06	9.10	87.24	<10.0	23.3	390	1,029	1,442	45.4	51.8	2.24	0.969	2.17
•	1/25/06D	NA NA	NA NA	<10.0	14.7	363	962	1,340	57.1	50.2	2.22	1.04	2.12
American and the second contraction of	4/10/06	11.05	85.29	<5.0	12.6	130	352	495	30.3	<5.0	0.944	0.512	0.985
	7/20/06	11.40	84.94	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	0.095	0.049	0.091
	7/20/06D	NA	NA	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	0.045	0.067
	10/10/06	11.89	84.45	<5.0	6.4	123	286	415	8.3	26.4	0.380	0.089	0.183
	1/25/07	10.99	85.35	<5.0	7.5	172	568.1	748	40.9	128.0	0.653	0.385	1.570
,	4/24/07	9.35	86.99	<5.0	<5.0	91	83.2	174	14,7	40.6	0.152	0.109	0.297
	10/4/07	12.46	83.88	<5.0	<5.0	<5.0	<10.0	ND	<5.0	24.8	0.194	0.0621	0.0638
	3/11/08	9.43	86.91	<25	<25	545	2,054	2,599	111.0	376.0	2.38	1.1600	2.9100
		10.44		-F 0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
ECS-7	2/13/03	10.14	85.83	<5.0 <5.0	<5.0 <5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.97	9/8/05	9.75	85.79	<5.0 <5.0	<5.0 <5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	< 0.025
95.54	1/25/06	9.05	86.49 85.64	<5.0	<5.0	<5.0	<10	ND	<5,0	<5.0	<0.075	<0.025	<0.025
	4/10/06 7/20/06	9.90	85.76	NS	NS	NS	NS	NA NA	NS	NS	NS	NS	NS
	10/10/06	9.96	85.58	NS	NS	NS	NS	NA	NS	. NS	NS.	NS	NS
	4/24/07	9.47	86.07	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/4/07	10.41	85.13	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	3/11/08	9.24	86.30	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS ·
						<u> </u>		ļ		ļ		3.7	3.4
ECS-8	2/13/03	11.63	84.09	<5.0	160	1,100	4,400	5,660	120 .	40	3.6	<0.025	<0.025
95.72	9/8/05	10.35	85.08	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075 <0.075	<0.025	<0.025
95.43	9/8/05D	NG	NA NA	<5.0	<5.0	<5.0	<10	ND ND	<5.0	<5.0	<0.075 NS	NS	NS
	1/25/06	NG	NA NA	NS	NS	NS	NS NS	NA NA	NS <5.0	NS <5.0	<0.075	< 0.025	<0.025
	4/11/06	9.98	85.45	<5.0	<5.0	<5.0	<10	ND	<5.U NS	NS NS	NS	NS	NS
	7/20/06	10.28	85.15	NS	NS	NS	NS_	NA NA	NS NS	NS NS	NS	NS	NS
	10/10/06	10.81	84.62	NS	NS	NS	NS NS		NS NS	NS	NS NS	NS	NS .
	4/24/07	8.19	87.24	NS_	NS	NS 15.0	NS <10	NA ND	<5.0	<5.0	<0.075	<0.025	<0.025
	10/4/07	11.45	83.98	<5.0	<5.0	<5.0 NS	NS	NA NA	NS	NS NS	NS	NS	NS
	3/11/08	NG NG	NA NA	NS FF 0	NS <5.0	<5.0	<10	ND ND	<5.0	<5.0	<0.075	<0.025	
	3/24/08	8.56	86.87	<5.0	1 50.0		<del>  `\\</del> -	133	+		+	1	<u> </u>

NOTES: Depth to water in feet from PVC.

t = feet. µg/L = micrograms per liter. mg/L = millograms per liter.

MCP Method 1 Standards as set forth by 310 CMR 40.0974(2) revised on Feburary 14, 2008.

Shading indicates value or detection limit exceeds GW-2 standard.

3olding indicates value or detection limit exceeds GW-3 standard.

) = Duplicate sample.

Elevation of PVC in feet.

NA = Not applicable/available.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05

#### Table 3 (3 of 4) Site Monitoring Data

Monitoring Well & Elevation (ft)	Sampling Date	Depth to Water (ft)	Ground- water Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	S BTEX (µg/L)	Naphthale ne (µg/L)	MtBE (µg/L)	Aliphatics	C <sub>e</sub> - C <sub>12</sub> Aliphatics (mg/L)	C <sub>p</sub> - C₁₀ Aromatics (mg/L)
*Revised MCI	P Method 1	Standards	GW-2: GW-3:	2,000 10,000	and the street of the street o	200		NA NA	1,000 20,000	50,000 50,000		5.0 50.0	200
ECS-9	2/13/03	10.82	84.40	<5.0	<5.0	<5.0	85	85	<5.0	16	0.540	0.240	0.300
95.22	9/19/05	10.91	84.08	9.6	6.7	60.7	730	807	40.2	831	0.652	0.611	1,41
94.99	1/25/06	8.38	86.61	<10	12.7	57.9	568	639	26.6	1,090	0.660	0.429	1.11
	4/11/06	10.33	84.66	<25	<25	98.3	915	1013	47.3	3,970	1.73	0.770	1.53
	7/20/06	10.72	84.27	<25	<25	51.5	626	678	51.9	1,980	0.913	0.970	1.24
4447	10/10/06	11.12	83.87	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	10.31	84.68	<10	<10	28.5	336	365	28.8	1,370	0.356	0.522	0.949
	4/24/07	8.57	86.42	<5.0	5.3	12.6	145	163	15.1	1,540	<0.075	0.262	0.571
-	10/4/07	11.79	83.20	<50	<50	<50	<100	ND	<50	4,260	<0.75	0.399	1.290
	3/11/08	8.63	86.36	5.6	<5.0	<5.0	38.7	44	11.6	666	<0.075	0.140	0.400
	3/11/00	0.00	00.00	0.0	1								
ECS-10	2/13/03	10.11	85.79	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.90	9/8/05	9.59	86.16	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.75	1/25/06	8,57	87.18	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/10/06	9.52	86.23	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	9.42	86.33	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	9.64	86.11	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	8.53	87.22	NS	NS	NS	NS	NΑ	NS	NS	NS	NS	NS
	10/4/07	10.18	85.57	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	3/11/08	5.74	90.01	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
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ECS-11	1/25/06	9.28	87.42	18.0	<10	<10	<30	18.0	12.5	1,040	1.08	0.056	0.059
96.70	4/10/06	10.94	85.76	<5.0	<5.0	<5.0	<10.0	ND	<5.0	277	0,226	<0.025	0.029
	7/20/06	11.31	85.39	<5.0	<5.0	<5.0	<10.0	ND	<5.0	243	0.164	<0.025	0.025
	10/10/06	11.81	84.89	<5.0	<5.0	<5.0	<10.0	ND	<5.0	598	0.261	0.047	0.077
·····	1/25/07	10,98	85.72	<5.0	<5.0	<5.0	<10.0	ND	<5.0	359	0.133	<0.025	0.041
	4/24/07	9.35	87.35	5.8	5.1	<5.0	<10.0	10.9	<5.0	628	0.369	<0.025	0.026
	10/4/07	12.47	84,23	5	<5.0	<5.0	<10.0	5.0	<5.0	207	0.899	0.124	0.072
	3/11/08	9.36	87.34	14.5	<5.0	<5.0	<10.0	14.5	6.9	387	0.982	0.029	0.093
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ECS-12	1/25/06	8.64	87.51	47.0	54.0	1,960	9,690	11,751	399	<20	14.1	6.04	13.6
96.15	4/10/06	10.60	85.55	<10	37.3	86.6	437	561	98.9	20.9	5.94	6.69	12.9
	7/20/06	10,95	85.20	<10	32.4	19.9	59	111	53.9	14.7	3.38	4.39	6.60
	10/10/06	11.42	84.73	<10	33.7	53.0	270	357	69.3	32.2	2.72	3.07	6.17
	10/10/060		NA	<10	70.9	53.9	288	412	102	45.9	4.14	3.21	7.13
	1/25/07	12.55	83.60	<5.0	50	29.8	149.6	229	63.8	17.1	3.22	2.07	3.82
	1/25/07D	12.55	83.60	<25	40.3	30	147	217	64.5	<25.0	3.03	2.14	4.10
	4/24/07	8.83	87.32	<10	56.2	18.8	29.7	105	74.6	<10	3.95	1.20	4.31
	4/24/07D	8.83	87.32	<5.0	33.3	11.7	17.5	62.5	54.5	<5.0	2.06	1.46	2.88
	10/4/07	12.04	84.11	5.7	<5.0	12,2	30.3	48.2	54	<5.0	2.88	1.44	3.44
	10/4/07D	12.04	84.11	<5.0	<5.0	10.7	29.9	40.6	46.9	<5.0	2.21	1.10	2.74
	3/11/08	NG	NA .	NS	NS	NS	NS	NA NA	NS	NS	NS	NS	NS
	3/24/08	9.15	87.00	<10	<10	17.1	67.9	85.0	60	<10	2.20	1.76	1.95
	3/24/08D	<del></del>	87.00	<10	<10	24.5	78.7	103.2	76	<10	2.39	2.33	2.68

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MCP Method 1 Standards as set forth by 310 CMR 40.0974(2).
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Bolding indicates value or detection limit exceeds GW-3 standard.
D = Duplicate sample.

Elevation of PVC in feet.

NA = Not applicable/available.

Table 3 (4 of 4) Site Monitoring Data

Monitoring Well & Elevation	Sampling Date	Water (ft)	Ground- water Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	S BTEX (µg/L)	Naphthale ne (μg/L)	MtBE (µg/L)	C₅ - C₅ Aliphatics (mg/L)	C <sub>8</sub> - C <sub>12</sub> Aliphatics (mg/L)	C <sub>9</sub> - C <sub>10</sub> Aromatics (mg/L)
*Revised MCP Method		2.17 人名第二英格尔	GW-2: GW-3:	2,000 10,000	50,000 40,000	20,000 5,000	9,000 5,000	NA NA	1,000 20,000	50,000 50,000	3.0 50.0	5.0 50.0	7.0 50.0
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ECS-13	1/25/06	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS NS	NS NS
97.66	4/10/06	12.20	85.46	77.8	9,600	4,780	22,430	36,888	566	342	28.9	5.66	11.0
	7/20/06	12.53	85.13	<5.0	9.2	223	753	985	36.5	<5.0	0.727	0.454	0.809
	10/10/06	13.01	84.65	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	1/25/07	12,18	85.48	<5.0	<5.0	<5.0	<10	ND	<5.0	36.3	<0.075	<0.025	<0.025
	4/24/07	10.51	87.15	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	10/4/07	13.64	84.02	<5.0	11.1	451	206.3	668	33.0	<5.0	0.598	0.434	1.29
	3/11/08	10.80	86.86	<5.0	<5.0	266	22.9	289	11.4	<5.0	0.500	0.345	0.704
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ECS-14	4/10/06	10.00	86.25	<5.0	11.7	<5.0	<15	12	15.2	<5.0	1.22	0.278	0.328
96.25	7/20/06	10.31	85.94	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	10.79	85.46	NS	NS	NS	NS	NA	NS	NŞ	NS	NS	NS
	1/25/07	9.87	86.38	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	8.51	87.74	NS	NS	NS	NS	NA.	NS	NS	NS	NS	NS
	10/4/07	11.35	84.90	7,2	5.0	<5.0	42.8	55	57.6	<5.0	2.32	0.710	1.22
	3/11/08	8.80	87.45	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
		<del></del>		1		<del> </del>	1	T			1		
ECS-15	4/10/06	10.47	85.98	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	0.307	<0.025	0.032
96.45	7/20/06	10.72	85.73	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	11.23	85.22	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	10.37	86.08	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	8.93	87.52	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/4/07	11.91	84.54	<5.0	<5.0	<5.0	<10	ND	<5.0	52.7	<0.075	<0.025	<0.025
	3/11/08	9.92	86.53	NS	NS	NS	NS	NA NA	NS	NS	NS	NS	NS
	3/11/06	3.52	00.03	1-140	113		<del>                                     </del>	<del> </del>	1	<u> </u>		† <del></del>	

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