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USA

Transmitted via Overnight Courier

August 30, 2005

Mr. William P. Lovely, Jr.
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 3 (GECD330)
Groundwater Quality and NAPL Monitoring Interim Report for Spring 2005

Dear Mr. Lovely:

In accordance with GE's approved *Baseline Monitoring Program Proposal for Plant Site 2 Groundwater Management Area* (April 2001), enclosed is a report entitled *Groundwater Management Area 3 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Spring 2005* (Spring 2005 GMA 3 Baseline Report). This report summarizes activities performed at Groundwater Management Area (GMA) 3 (also known as the Plant Site 2 GMA) between January and June 2005, including the results of the spring 2005 round of sampling and analysis of groundwater performed as part of the baseline monitoring program for GMA 3 and the results of GE's non-aqueous phase liquid (NAPL) monitoring and recovery program in this area.

Please contact me if you have any questions or comments.

Sincerely,

John F. Novotny/ajl for

John F. Novotny, P.E.
Manager - Facilities and Brownfields Programs

Enclosure
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TECHNICAL REPORT

Groundwater Management Area 3 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Spring 2005

General Electric Company
Pittsfield, Massachusetts

August 2005

BBL
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

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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 soils, 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 areas at and near the GE Pittsfield facility have been divided into five 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). This report relates to the Plant Site 2 GMA, also known as and referred to herein as GMA 3.

On April 24, 2001, GE submitted a *Baseline Monitoring Program Proposal for Plant Site 2 Groundwater Management Area* (GMA 3 Baseline Monitoring Proposal), which was conditionally approved by EPA on November 21, 2001. The GMA 3 Baseline Monitoring Proposal summarized the currently available hydrogeologic information for GMA 3 and proposed groundwater and NAPL monitoring activities (incorporating as appropriate those activities currently in place at that time) for the baseline monitoring period at this GMA. Thereafter, certain modifications were made to the GMA 3 baseline monitoring program as a result of EPA approval conditions and/or findings during field reconnaissance of several wells identified for baseline monitoring. These modifications were documented in an *Addendum to the GMA 3 Baseline Monitoring Proposal*, submitted to EPA on February 20, 2002. That addendum was conditionally approved by EPA on April 18, 2002. Finally, during the initial well installation activities and in subsequent baseline monitoring reports and proposal letters, additional modifications to the GMA 3 monitoring program were proposed and implemented, with the approval of EPA and/or EPA's oversight contractor, Weston Solutions, Inc. The most recent program modifications were proposed in a January 20, 2005 proposal letter (conditionally approved by EPA on February 10, 2005) and in GE's February 2005 *Groundwater Management Area 3 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Fall 2004* (Fall 2004 GMA 3 Baseline Report), which was approved by EPA on April 19, 2005.

As part of the baseline program, GE is required to submit reports on a semi-annual basis to summarize the groundwater and NAPL monitoring and recovery results and, as appropriate, propose modification to the monitoring program. With regard to GMA 3, GE deferred the 2002 and 2003 sampling rounds (with EPA approval) because certain property access issues could not be resolved prior to the scheduled performance of those sampling events. However, GE continued to perform NAPL and groundwater elevation monitoring on an interim basis at all locations for which access was available and collected groundwater samples from well 78B-R on a semi-annual basis for analysis of volatile organic compounds (VOCs) and, until fall 2003, PCBs.

The final property access issues were resolved by February 2004, and, beginning in spring 2004, GE commenced the full semi-annual baseline groundwater quality sampling program at GMA 3. That baseline monitoring program will continue for a minimum of two years. In spring 2005, as part of the third full sampling round under the baseline program at this GMA, the GMA 3 monitoring wells were gauged to determine physical groundwater characteristics (i.e., gradient, flow direction, presence of NAPL) and/or sampled for analysis of PCBs, certain non-PCB constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenyhydrazine (Appendix IX+3), and/or certain constituents (i.e., natural attenuation parameters) to assess intrinsic and natural processes that may be influencing VOC concentrations in groundwater. This *Groundwater Management Area 3 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Spring 2005* (Spring 2005 GMA 3 Baseline Report) presents the results of groundwater sampling activities performed in April to May 2005, as well as certain other groundwater characterization and NAPL-related activities performed between January and June 2005.

1.2 Background Information

1.2.1 GMA Description

GMA 3 encompasses the portion of the Unkamet Brook Area (as defined in the CD and SOW) located to the east of Plastics Avenue, and occupies an area of approximately 103 acres (Figures 1 and 2). This area includes the eastern portion of GE's Pittsfield facility, which is generally bounded by Dalton Avenue to the north, Merrill Road to the south, Plastics Avenue to the west, and railroad tracks to the east. GMA 3 also contains commercial/recreational properties located between Merrill Road and the Housatonic River to the southeast of the facility. Unkamet Brook extends from northwest to southeast through the interior of this GMA, although a portion of the brook in the center of the area flows through underground culverts. The GE-owned portion of this GMA located west of Unkamet Brook is mostly paved and covered with large buildings. The GE-owned portion to the east of Unkamet Brook, as

well as much of the land between Merrill Road and the Housatonic River, is undeveloped except for the area associated with Building OP-3 and the commercial area along Merrill Road.

Groundwater at GMA 3 generally flows in a southeasterly direction toward the Housatonic River, usually with a pattern that mimics the existing topography. However, localized variations in the flow direction exist due to fill materials used beneath building foundations in the GE Plastics area and the presence of Unkamet Brook. The subsurface conditions across GMA 3 are illustrated on cross-sections A-A' and B-B', presented as Figures 3 and 4, respectively. The locations of these cross-sections are provided on Figure 2. Figures 5 and 6 illustrate groundwater elevations and flow direction using data collected during the winter 2004/2005 and spring 2005 monitoring rounds, respectively. The groundwater elevation data utilized to prepare those figures is provided in Tables 3A and 3B. The horizontal hydraulic gradients are somewhat variable within GMA 3, but generally decrease toward the Housatonic River, corresponding to a flattening in the ground surface topography.

Several well pairs or closely-spaced shallow and deep well clusters have been installed at GMA 3. The approximate depth of a well in a cluster can be identified by the letter contained in the well name (e.g., cluster 39 contains wells 39A, 39B-R, 39D, and 39E) which represents the well series, specifically:

- A-series wells are generally screened approximately 45 to 50 feet below ground surface (bgs);
- B-series wells are generally screened at or near the water table, approximately 15 to 25 feet bgs;
- C-series wells are generally screened approximately 95 to 100 feet bgs;
- D-series wells are generally screened approximately 70 to 75 feet bgs; and
- E-series wells are generally screened at depths greater than 150 feet bgs.

Most of the GMA 3 well clusters consist of an A-series well paired with a B-series well, and sometimes one or more of the deeper series wells. Prior monitoring data from the well clusters has indicated that the vertical component of the hydraulic gradient is variable at GMA 3. In general, groundwater flows downward in the northern part of the GMA, moves laterally across the central areas, and rises to the south, near the Housatonic River. However, in spring 2005, an upward vertical gradient was observed at each well cluster monitored.

The presence of NAPL in this area has been documented in prior GE reports. NAPL has been observed near Building 59 in coarse gravel that was assumed to be fill material for the foundation of that building. NAPL also has been found in the vicinity of Building 51 and that NAPL may have originated from leakage of underground storage tanks located on the northeast side of that building. Previous investigations have identified the NAPL as a light non-aqueous phase liquid (LNAPL) in the soil at and above the groundwater table interface. The LNAPL east of

Building 51 contains multiple constituents, including PCBs, polynuclear aromatic hydrocarbons (PAHs), ethylbenzene, xylenes, 1,2,4-trichlorobenzene, and 1,4-dichlorobenzene, among other constituents. By contrast, the LNAPL just north of Building 59 contains PCBs, a single low level SVOC, and no VOCs. Dense non-aqueous phase liquid (DNAPL) has not been encountered at any of the monitoring wells within GMA 3.

Distribution of the LNAPL has been confined to the vicinity of Buildings 51 and 59, along the western boundary of the GMA, due primarily to: (a) the generally low hydraulic gradients in this area; (b) the difference in grain size between the coarse fill materials near and beneath the buildings and the grain size of the surrounding native soils; (c) an apparent groundwater mound present between Buildings 59 and 119, to the south of the NAPL area; and (d) the ongoing LNAPL recovery efforts (both automated and manual) conducted by GE. All locations where NAPL has been previously documented are shown on Figure 7, while the extent of NAPL observed in spring 2005 is illustrated on Figure 8. A discussion of the current extent of NAPL and the results of NAPL monitoring and recovery activities is provided in Section 4.6.

1.2.2 Baseline Monitoring Program

As discussed in Section 1.1 above, the CD and the SOW provide for the performance of groundwater-related activities at a number of 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. The baseline monitoring program was to be initiated at GMA 3 in the spring of 2002, but, as discussed above, access issues prevented performance of the full baseline monitoring program before spring 2004. The full baseline monitoring program is scheduled to continue for a two-year period from its commencement in spring 2004.

As set forth in the GMA 3 Baseline Monitoring Proposal, Addendum, and subsequent EPA-approved program modifications, the baseline monitoring program at this GMA currently involves a total of 62 monitoring wells. All of these wells are monitored for groundwater elevations on a quarterly basis (at a minimum), while 21 of the wells are sampled on a semi-annual basis for analysis of PCBs and/or certain non-PCB Appendix IX+3 constituents. The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well. In addition, groundwater samples from 20 monitoring wells are to be collected on an annual basis for analysis of certain constituents (i.e., natural attenuation parameters) to assess intrinsic and natural processes that may be influencing VOC concentrations in groundwater. As discussed in a June 15, 2004 letter from GE to EPA, eight wells (i.e., wells 16C, 16E, 89D, 95B, 95C, 111A, 114B, and 114C) that were included in the natural

attenuation monitoring program were found to be unusable, and replacements for five of these wells were proposed to be installed. Following EPA approval of that proposal, natural attenuation wells 95B (which is also monitored as a GW-3 monitoring point) 16C, 89D, 111A, and 114B (which is also monitored as a GW-3 monitoring point) were replaced by wells designated as 95B-R, 16C-R, 89D-R, 111A-R, and 114B-R, respectively. The remaining natural attenuation wells that were found to be unusable (i.e., wells 16E, 95C, and 114C) were installed at depths below the area of interest for the natural attenuation monitoring program and other wells that are better-positioned within their respective clusters are being utilized for this monitoring. Therefore, these three wells were removed from the natural attenuation monitoring program. Finally, 27 monitoring wells that are not part of the semi-annual or annual sampling programs are also routinely monitored for groundwater elevation and the presence of NAPL on an established weekly, monthly, or quarterly schedule. The GMA 3 baseline monitoring program is summarized in Table 1 and the construction details of the monitoring wells are provided in Table 2. The well locations are shown on Figure 2. In addition to the wells that are currently being monitored under the baseline monitoring program, another well (GMA3-1) was to be located in a marshy area found to be inaccessible to drilling and sampling equipment. EPA has agreed to defer the installation of well GMA3-1 until after the completion of future remediation activities (i.e., soil/sediment removal and the re-routing of Unkamet Brook) in this area.

1.3 Format of Document

The remainder of this report is presented in six sections. Section 2 describes the groundwater- and NAPL-related activities performed at GMA 3 in spring 2005. Section 3 presents the analytical results obtained during the spring 2005 sampling event. Section 4 provides a summary of the applicable groundwater quality and NAPL-related Performance Standards under the CD and SOW, an assessment of the groundwater quality results from spring 2005, including comparisons to the currently applicable groundwater quality Performance Standards and to the Upper Concentration Limits (UCLs) for groundwater, and an evaluation of the NAPL monitoring/recovery program. Section 5 proposes certain modifications to the current NAPL and baseline groundwater quality monitoring programs. Finally, Section 6 addresses the schedule for future field and reporting activities related to groundwater quality and NAPL presence at GMA 3, focusing in particular on the fall 2005 monitoring event.

2. Field and Analytical Procedures

2.1 General

The activities conducted as part of the spring 2005 semi-annual groundwater monitoring program primarily involved monitoring well installations, measurement of groundwater/NAPL levels, and the collection of groundwater samples from monitoring wells within GMA 3. Monitoring and recovery of LNAPL (if present) were routinely performed at the monitoring wells which are included in the NAPL monitoring program. All wells that were gauged for groundwater elevations, sampled for groundwater quality, and/or monitored for LNAPL during spring 2005 are identified in Table 1, and a site plan showing the groundwater monitoring/sampling locations described in this report is presented on Figure 2. This section discusses the field procedures used to conduct those field activities, as well as the methods used to analyze the groundwater samples. All activities were performed in accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

2.2 Well Installation and Development

In the Fall 2004 GMA 3 Baseline Groundwater Report, GE reported on the installation of various previously-proposed replacement wells at GMA 3. With regard to wells 54B-R and 89D-R, GE reported that it was unable to install those wells due to marshy conditions. GE advised that it would attempt installation of those wells during more dry conditions. In the Fall 2004 GMA 3 Baseline Groundwater Report, GE also proposed to replace well 111B with well 111B-R. All three of these replacement wells were proposed for use in the baseline monitoring program. As noted above, GE also proposed to install two new wells (GMA3-14 and GMA3-14) in its letter to EPA dated January 20, 2005 (approved by EPA). These two new wells were proposed for NAPL monitoring purposes. GE installed all three of the replacement monitoring wells (54B-R, 89D-R, and 111B-R) and both of the new monitoring wells (GMA3-13 and GMA3-14) in spring 2005. The locations of these wells are shown on Figure 2. Table 2 shows the survey data and well construction details for these new and replacement wells, along with the existing wells in the baseline monitoring program. Monitoring well logs for the new and replacement wells are presented in Appendix A.

Following installation, the new monitoring wells were developed to remove fine materials (e.g., fine sand, silt, clay) that may have accumulated in the filter pack and to ensure that the well screen was transmitting groundwater representative of the surrounding formation. In addition, existing well 16C-R was re-developed to remove sediment accumulations from within the well casing that was encountered during the initial sampling attempt at this well this

spring. Development was performed by surging the saturated portion of the well screen with a surge block and removing groundwater with either a submersible, positive displacement, or peristaltic pump, depending on the well diameter and quantity of water available.

2.3 Groundwater Elevation Monitoring

Winter 2004/2005 and spring 2005 quarterly groundwater elevation monitoring was performed in January 2005 and April 2005, respectively. This activity involved the collection of groundwater level data at the locations listed in Tables 3A and 3B. Groundwater levels and NAPL thicknesses (where NAPL is present) were measured in accordance with the procedures specified in GE's approved FSP/QAPP. The January 2005 and April 2005 groundwater elevation data are presented in Tables 3A and 3B, respectively, and the data obtained from wells screened across or near the water table were used to prepare groundwater elevation contour maps (Figures 5 and 6, respectively).

Groundwater elevations were, on average, approximately 0.39 and 0.06 feet higher than the elevations measured during the respective prior seasonal monitoring events in winter 2003/2004 and spring 2004 at water table monitoring locations measured during both monitoring events. Consistent with prior data, groundwater was found to generally flow toward the Housatonic River, with some localized variations in the vicinity of Buildings 51 and 59. LNAPL monitoring and recovery data for spring 2005 are summarized in Table 4 and Appendix C.

2.4 Groundwater Sampling and Analysis

The spring 2005 baseline sampling event was performed between April 6 and May 3, 2005. Under the full baseline monitoring program, samples were scheduled to be collected from 35 monitoring wells; however, samples were collected from only 34 of those wells because, as explained in Section 1.2, the installation of well GMA3-1, located in a marshy area, has been deferred until re-routing of Unkamet Brook. Low-flow sampling techniques using either a bladder or peristaltic pump were generally utilized for the purging and collection of groundwater samples during this sampling event. The specific sampling method utilized, as well as a summary of any deviations from the low-flow sampling method specified in the FSP/QAPP, are listed in Appendix B. Each monitoring well was purged until field parameters (including temperature, pH, specific conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) stabilized or the well was pumped dry. The field parameters were measured in combination with the sampling activities at all monitoring wells sampled. The data are summarized in Table 5 and the field sampling records are contained in Appendix B. A general summary of the spring 2005 field measurement results, collected just prior to sampling, for the monitoring event is provided below:

PARAMETER	UNITS	RANGE
Turbidity	Nephelometric turbidity units	0.0 – 140
pH	pH units	6.02 – 12.05
Specific Conductivity	Millisiemens per centimeter	0.219 – 13.890
Oxidation-Reduction Potential	Millivolts	-250.1 – 205.3
Dissolved Oxygen	Milligrams per liter	0.12 – 10.21
Temperature	Degrees Celsius	6.16 – 13.99

Only one well (16C-R) did not achieve the sample turbidity goal of 50 nephelometric turbidity units (NTU) or less in spring 2005, which represented the first sampling event conducted at this new replacement well. Although well 16C-R was re-developed following initial observations of high turbidity groundwater and purged at an extremely low pump setting, fine materials continued to enter the well resulting in a sample with a high turbidity (140 NTU). GE will again re-develop this well prior to the fall 2005 sampling event and will continue to attempt to collect lower turbidity samples from this well during future sampling events using low-flow purging and sampling techniques.

The collected groundwater samples were submitted to SGS Environmental Services of Charleston, West Virginia, for laboratory analysis. For all groundwater samples, except those from the wells that were monitored solely for compliance with the GW-2 standards or the natural attenuation parameters (discussed below), the samples were submitted for analysis of the following parameters using the associated EPA methods:

PARAMETER	EPA METHOD
VOCs	8260B
Semi-Volatile Organic Compounds (SVOCs)	8270C
Filtered and Unfiltered PCBs	8082
Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans (PCDDs/PCDFs)	8290
Pesticides and Herbicides	8080 and 8151
Filtered and Unfiltered Metals	6010B, 7000A, and 7470A
Filtered and Unfiltered Cyanide	9014
Sulfide	9034

For groundwater samples collected from wells that are monitored 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 select compounds listed as SVOCs in the FSP/QAPP (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-

trichlorobenzene, and naphthalene), using EPA Method 8260B, in accordance with a letter from GE to EPA dated February 20, 2002.

For groundwater samples collected from wells that are sampled for natural attenuation parameters, the samples were submitted for analysis of VOCs using Method 8260B and for the following additional parameters using the associated EPA Methods.

PARAMETER	EPA METHOD
Alkalinity (total)	310
Chloride	325
Dissolved Organic Carbon	360
Ethane, Ethene, Methane	8319
Iron	6000
Nitrate Nitrogen	353.1
Nitrite Nitrogen	354.1
Sulfate (turbidimetric)	375

Following receipt of the analytical data from the laboratory, the data were validated in accordance with the FSP/QAPP. The results of this data validation process are presented in Appendix F. As discussed in the data validation report, 100% of the spring 2005 groundwater quality data are considered to be useable. The validated analytical results are summarized in Section 3 and discussed in Section 4 below.

2.5 LNAPL Monitoring and Recovery

This section describes the results of the LNAPL monitoring and recovery activities performed by GE within GMA 3 from January through June 2005 (henceforth referred to as spring 2005), including the April 2005 semi-annual monitoring event and other routine and non-routine monitoring/recovery activities conducted during that period. These activities primarily include the operation of the automated LNAPL recovery system at well 51-21, the routine measurement of groundwater elevations and NAPL thickness (if present), and the manual removal of NAPL if sufficient thickness is present. In addition, as discussed further below, GE performed LNAPL recovery testing at two monitoring wells (GMA3-12 and GMA3-13) and, as proposed in GE's January 20, 2005 letter and approved by EPA, GE collected LNAPL samples for analysis from three monitoring wells (51-8, GMA3-10, and UB-PZ-3) in spring 2005. All activities were performed in accordance with GE's approved FSP/QAPP.

Approximately one to two weeks prior to the semi-annual monitoring event, GE monitored all wells where the presence of NAPL was noted during the prior year and manually removed any NAPL which was present. The purpose of these bailing rounds is to ensure that any NAPL present in a well is also present in the surrounding formation and not remnant oil which may have been trapped in the well since the prior removal event. These bailing round activities provide a consistent basis to compare the current presence and thickness of NAPL between wells that may otherwise be subject to varying NAPL removal schedules.

Routine LNAPL monitoring was conducted at the monitoring wells listed in Table 4 on a quarterly, monthly, and/or weekly basis. Table 4 also summarizes the spring 2005 LNAPL removal data on a well-by-well basis, and Table C-1 (Appendix C) presents a summary of all of the spring 2005 LNAPL measurements and removal quantities (when performed) for each well at GMA 3. Approximately 77 gallons of LNAPL were recovered between January and June 2005 at GMA 3. Approximately two-thirds of this total (48 gallons) was removed by the automated skimmer system at well 51-21, and the remainder was manually recovered during LNAPL recovery testing and routine monitoring events. Since 1997, approximately 947 gallons of LNAPL have been removed from GMA 3 as part of GE's NAPL monitoring and recovery program.

As proposed in the Fall 2004 GMA 3 Baseline Report and approved by EPA, GE performed LNAPL recovery testing at well GMA3-12 in May 2005. Prior to that testing, a new observation of LNAPL was made in recently-installed monitoring well GMA3-13 and GE therefore elected to perform LNAPL recovery testing at that location as well. Testing was conducted over a three-day period, where LNAPL was removed from each well on regular intervals (initially hourly) to obtain information on the rates and volumes of LNAPL returning to the wells. The results of that testing are included in Appendix C and discussed in Section 4.6.

In addition, in the Fall 2004 GMA 3 Baseline Report, GE proposed that if any NAPL were discovered in new wells GMA3-13 or GMA3-14, once installed, GE would perform a visual inspection of the sanitary sewer line that extends along the western edge of GMA 3 along Plastics Avenue. NAPL was detected in well GMA 3-13. Therefore, in July 2005, GE conducted a visual inspection of the sanitary sewer line to further assess the extent of LNAPL in this area. No indications of NAPL or sheens were observed in the sanitary sewer manholes along Plastics Avenue.

Figure 7 depicts the historical maximum extent of LNAPL observed at GMA 3. That figure represents a compilation of past investigations and shows the maximum lateral extent of LNAPL that has been observed and documented in prior GE reports, and is not indicative of current conditions. Figure 8 indicates the extent of LNAPL observed during the semi-annual monitoring event conducted in April 2005. As shown on those two figures, the northern (upgradient) extent of LNAPL has decreased since the onset of the periodic LNAPL monitoring and recovery

activities being conducted in this area. However, due to the detection of LNAPL in newly-installed well GMA3-13 in spring 2005, the extent of LNAPL to the west of Building 51 shows an apparent increase over prior years when no wells were available to monitor this area. Consistent with historical monitoring results at this GMA, DNAPL was not encountered in any of the monitoring wells gauged during spring 2005.

3. Groundwater and NAPL Analytical Results

3.1 General

This section presents a description of the spring 2005 groundwater and LNAPL analytical results. A summary of the full validated spring 2005 data set is provided in Appendix D, while the data validation report on these results is presented in Appendix F. Tables 6, 7, and 8 summarize the validated results for detected constituents in groundwater relative to the MCP Method 1 GW-2 and GW-3 standards and the MCP UCLs for groundwater, respectively. An assessment of these results relative to those groundwater quality standards and UCLs is provided in Section 4. Also, Table 9 provides a summary of the detected VOCs and natural attenuation parameters at the wells monitored for indications of natural attenuation processes, and Table 10 summarizes the results of LNAPL samples collected and analyzed in spring 2005.

3.2 Baseline Groundwater Quality Results

3.2.1 VOC Results

Groundwater samples from 34 monitoring wells were analyzed for VOCs during the spring 2005 sampling event. The VOC analytical results for all constituents analyzed are summarized in Appendix D. No VOCs were detected in six of the groundwater samples, while 15 individual VOCs were observed in the remaining 28 samples. The most commonly observed VOCs were chlorobenzene (detected in 19 groundwater samples) and benzene (detected in 12 groundwater samples). Total VOC concentrations ranged from non-detect (in six samples) to 160 parts per million (ppm) in natural attenuation monitoring well 2A.

3.2.2 SVOC Results

Groundwater samples from 13 monitoring wells were analyzed for SVOCs during the spring 2005 sampling event. Additionally, samples from seven GW-2 monitoring wells were analyzed for five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene) using EPA Method 8260B, and samples from four natural attenuation wells were analyzed for two select SVOCs (2-chlorophenol and 4-chlorophenol), also using EPA Method 8260B. The SVOC analytical results for all constituents analyzed are summarized in Appendix D. Overall, 16 individual SVOC constituents were observed in one or more groundwater samples, although seven of those SVOCs were only observed in well 78B-R, which contained a total of 14 SVOCs. The remaining wells contained four or fewer SVOCs, often at trace concentrations below the associated

PQLs. No SVOCs were detected in six of the groundwater samples that were analyzed for the entire Appendix IX SVOC list, plus benzidine and 1,2-diphenyhydrazine. No SVOCs were detected in five of the seven GW-2 groundwater samples that were analyzed for five select SVOCs. The SVOC detections in wells 16B-R and GMA3-2 were limited to certain constituents at levels below the PQLs. In regard to the natural attenuation samples that were analyzed for 2- and 4-chlorophenol, 2-chlorophenol was detected in wells 16A and 39B-R, while 4-chlorophenol was observed in wells 2A, 16A, and 39B-R. No chlorophenol congeners were detected in the groundwater sample from well 95A that was also analyzed for these parameters.

3.2.3 PCB Results

Unfiltered and filtered groundwater samples from 13 monitoring wells were analyzed for PCBs as part of the spring 2005 sampling event. The PCB analytical results for all aroclors analyzed are summarized in Appendix D. PCBs were detected in nine of the unfiltered groundwater samples and in six of the filtered groundwater samples. Total PCB concentrations in the unfiltered samples ranged from non-detect (in four samples) to 0.000617 ppm, while filtered sample concentrations ranged from non-detect (in seven samples) to 0.00030 ppm.

3.2.4 Pesticide/Herbicide Results

Groundwater samples from nine monitoring wells were analyzed for pesticides and herbicides during the spring 2005 sampling event. The analytical results for the constituents analyzed are presented in Appendix D. One herbicide (2, 4-D) was detected in a single groundwater sample (well 78B-R); however, the level of detection was an estimated value less than the PQL. No pesticides or herbicides were detected in any of the other groundwater samples.

3.2.5 PCDD/PCDF Results

Groundwater samples from 13 monitoring wells were analyzed for PCDDs/PCDFs during the spring 2005 sampling event. The PCDD/PCDF analytical results are summarized in Appendix D. One individual PCDD/PCDF congener (OCDD) was observed in one of the groundwater samples (54B-R); however the level of detection was an estimated value less than the PQL. In addition, total Toxicity Equivalency Quotients (TEQs) were calculated for the PCDD/PCDF compounds using the Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO). In calculating those TEQs, the concentrations of individual PCDD/PCDF compounds that were not detected were represented as one-half the analytical detection limit for those compounds. Total TEQ concentrations ranged from 2.7×10^{-9} to 2.3×10^{-8} ppm.

3.2.6 Inorganics Results

Unfiltered and filtered groundwater samples from thirteen monitoring wells were analyzed for inorganics during the spring 2005 sampling event. The inorganic analytical results for all inorganic constituents analyzed are summarized in Appendix D. A total of 16 individual inorganic constituents that were detected in one or more of the unfiltered samples, while 12 inorganic constituents were detected in one or more filtered samples. The most commonly observed inorganics were barium, sulfide, and zinc.

3.3 Natural Attenuation Monitoring Results

Groundwater samples from 20 monitoring wells were analyzed for natural attenuation parameters. The analytical results for these parameters (along with any detected VOCs) are provided in Table 9 and Appendix D. Provided below is a general summary of the natural attenuation parameter results.

Parameter	Number of Detects	Result Range (ppm)
Alkalinity	20	43 – 620
Chloride	20	1.5 – 1,300
Dissolved Organic Carbon	18	ND – 28
Ethane	1	ND – 0.023
Ethene	3	ND – 0.12
Dissolved Iron	8	ND – 5.8
Methane	15	ND – 1.4
Nitrate (Nitrogen)	18	ND – 1.9
Nitrite (Nitrogen)	12	ND – 0.082
Sulfate (turbidimetric)	17	ND – 43

3.4 NAPL Analytical Results

LNAPL samples from three monitoring wells (51-8, GMA3-10, and UB-PZ-3) were analyzed for VOCs in spring 2005 sampling event. Additionally, samples from one of these wells (51-8) was analyzed for five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene) using EPA Method 8260B. The analytical results for all constituents analyzed are summarized in Appendix D, while

constituents detected in one or more samples are presented in Table 10. A total of five VOCs were detected in the LNAPL samples, including four VOCs in the sample from well GMA3-10 while only a single VOC was observed in each of the remaining two samples. Total VOC concentrations ranged from 0.049 ppm to 6.1 ppm in the LNAPL samples. Two SVOCs (1,2,4-trichlorobenzene and naphthalene) were detected in the LNAPL sample from well 51-8, as shown in Table 10.

4. Assessment of Results

4.1 General

This report constitutes the third groundwater quality/NAPL recovery monitoring report submitted since commencement of the full GMA 3 baseline groundwater monitoring program. Four other, limited, reports covering the period in which certain baseline groundwater quality monitoring activities could not be implemented due to property access issues have also been submitted. Conclusions developed herein are based on the laboratory results and field measurements obtained during the spring 2005 groundwater sampling event, supplemented with historical groundwater analytical data where available.

4.2 Performance Standards

4.2.1 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 3 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 3 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 below ground surface of 15 feet or less. Under the MCP, volatile constituents present within GW-2 groundwater represent a potential source of organic vapors to the indoor air of the overlying and nearby 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. In accordance with the CD and SOW, all groundwater at GMA 3 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 and will serve as the initial basis for evaluating groundwater at GMA 3. The current MCP Method 1 GW-3 standards for the constituents detected in the fall 2004 sampling event are listed in Table 5. (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.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 3 consist of the following:

1. 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); or

   (b) 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

(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

   (b) 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. In addition, at GMA 3, a number of wells are designated as natural attenuation monitoring wells, which are used to evaluate natural attenuation mechanisms in groundwater. The GW-2, GW-3, and natural attenuation monitoring wells at this GMA were identified in the GMA 3 Baseline Monitoring Proposal Addendum and are listed in Table 1.

4.2.2 NAPL-Related Performance Standards

Under the CD and SOW, GE is required to perform monitoring, recovery, assessment, and other response activities related to NAPL until the applicable NAPL-related Performance Standards are ultimately achieved. The NAPL-related Performance Standards are set forth in Section 2.7 and Attachment H (Section 4.0) of the SOW. They consist of the following:

1. Containment, defined as no discharge of NAPL to surface waters and/or sediments, which shall include no sheens on surface water and no bank seeps of NAPL.

2. For areas near surface waters in which there is no physical containment barrier between the wells and the surface water, elimination of measurable NAPL (i.e., detectable with an oil/water interface probe) in wells near the

surface water bank that could potentially discharge NAPL into the surface water, in order to prevent such discharge and assist in achieving groundwater quality Performance Standards.

3. For areas adjacent to physical containment barriers, prevention of any measurable LNAPL migration around the ends of the physical containment barriers.

4. For NAPL areas not located adjacent to surface waters, reduction in the amount of measurable NAPL to levels which eliminate the potential for NAPL migration toward surface water discharge areas or beyond GMA boundaries, and which assist in achieving groundwater quality Performance Standards.

5. For NAPL detected in wells designed to assess GW-2 groundwater (i.e., located at average depths of 15 feet or less from the ground surface and within a horizontal distance of 30 feet from an existing occupied building), a demonstration that constituents in the NAPL do not pose an unacceptable risk to occupants of such building via volatilization and transport to the indoor air of such building. Such demonstration may include assessment activities such as: NAPL sampling, soil gas sampling, desk-top modeling of potential volatilization of chemicals from the NAPL (or associated groundwater) to the indoor air of the nearby occupied buildings, or sampling of the indoor air of such buildings. If necessary, GE shall propose corrective actions, including, but not limited to, containment, recovery, or treatment of NAPL and impacted groundwater.

In addition to these Performance Standards, GE has developed and implemented site-wide criteria for NAPL monitoring and manual recovery requirements, standard procedures for assessment of new NAPL occurrences, and the feasibility of the installation of new recovery systems. In response, GE proposed several NAPL monitoring program guidelines in the Fall 2001 NAPL Monitoring Report for GMA 1 (conditionally approved by EPA on August 29, 2002) and subsequently implemented the approved guidelines across all GMAs. Those guidelines were incorporated into the most recent revision to GE's *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP) submitted to EPA on June 15, 2004.

4.3 Groundwater Quality

The analytical results from the spring 2005 groundwater sampling event were compared to the applicable MCP Method 1 GW-2 and GW-3 standards and to the UCLs for groundwater. These comparisons are summarized in Tables 6, 7, and 8 (for the GW-2 standards, GW-3 standards, and UCLs, respectively) and are discussed in the following subsections.

4.3.1 Groundwater Results Relative to GW-2 Performance Standards

Groundwater samples were collected from all ten designated GW-2 monitoring wells (16B-R, 51-14, GMA3-2, GMA3-4, GMA3-5, GMA3-6, GMA3-7, GMA3-8, GMA3-9, and OBG-2) in spring 2005. The spring 2005 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 6. As shown in Table 6, none of the spring 2005 sample results from the GW-2 monitoring wells exceeded the GW-2 standards. In addition, none of the GW-2 wells exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells within 30 feet of a school or occupied residential structure and as a trigger level for the proposal of interim response actions).

4.3.2 Groundwater Results Relative to GW-3 Performance Standards

A total of 13 of the 14 monitoring wells at GMA 3 designated as GW-3 monitoring wells (6B-R, 54B-R, 78B-R, 82B-R, 89B, 90B, 95B-R, 111B-R, 114B-R, GMA3-3, GMA3-5, GMA3-6, and GMA3-7) were sampled in spring 2005. As discussed in Section 1.2, the final baseline monitoring well (GMA3-1) will not be installed until after the completion of future remediation activities and the re-routing of Unkamet Brook. The spring 2005 groundwater analytical results for all detected constituents and a comparison of those results with the applicable MCP Method 1 GW-3 standards are presented in Table 7.

In comparing the baseline monitoring results for PCBs and inorganic constituents to the Method 1 GW-3 standards, GE has used the results from the filtered samples. EPA has previously agreed to this approach in a letter to GE dated January 2, 2002. Accordingly, the unfiltered sample results for these constituents were used only for comparison to the MCP UCLs (discussed in Section 4.3.3 below).

The comparisons set forth in Table 7 indicate that the only exceedances of the Method 1 GW-3 standards at GW-3 monitoring wells were for chlorobenzene in three wells and PCBs in a single well. Specifically, chlorobenzene concentrations detected in the samples from GW-3 perimeter wells 78B-R (2.0 ppm), 89B (1.4 ppm, with a duplicate sample concentration of 1.3 ppm), and 114B-R (1.4ppm) exceed the Method 1 GW-3 standard of 0.5 ppm. PCB concentrations in the filtered sample analyzed from well 82B-R were detected at a concentration equal to the Method 1 GW-3 standard of 0.0003 ppm.

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 exceedence 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.

For the three wells where the Method 1 GW-3 standard for chlorobenzene was exceeded (wells 78B-R, 89B, and 114B-R), prior VOC data has shown similar or greater concentrations than those detected during spring 2005. In addition, these wells are located in the vicinity of a known chlorobenzene plume. Therefore, GE's proposed response action to address these exceedances is to continue the baseline sampling program, as discussed further in Section 6.2.3. The PCB result from well 82B-R represented the first detection of PCBs at this well during the baseline monitoring program. This well has only been sampled on two occasions and the spring 2005 concentration was only equal to the Method 1 GW-3 standard. Therefore, GE's proposed response to address this result is also to continue the baseline sampling program at this well.

4.3.3 Comparison to Upper Concentration Limits

In addition to comparing the spring 2005 groundwater analytical results with applicable MCP Method 1 GW-2 and GW-3 standards, all detected constituents have also been compared with the groundwater UCLs specified in the MCP (310 CMR 40.0996(7)), as presented in Table 8. The results shown on Table 8 indicate that one constituent (chlorobenzene) was detected at levels above the applicable UCL. The UCL for chlorobenzene is 10 ppm, which was exceeded at natural attenuation wells 2A (120 ppm), 16A (26 ppm), 39B-R (12 ppm), 89A (16 ppm), and 114A (12 ppm).

The screened intervals of four of these three wells are positioned at depths of approximately 50 feet bgs, indicating that the elevated chlorobenzene levels are associated with the mid-level groundwater unit, which is consistent with prior investigation results showing that the VOC plume is primarily present in the A-series wells to the south of the former Waste Stabilization Basin. The fifth well (39B-R) is located immediately adjacent to the downgradient edge of the former Waste Stabilization Basin. As illustrated in Appendix E, the concentrations of VOCs have decreased significantly from their historical high levels at locations with large historical databases. The UCLs were exceeded for the first time at wells 39B-R and 114A, but spring 2005 only constituted the second time that these wells have been sampled. Therefore, GE's proposed response is to collect an additional round of samples from these natural attenuation monitoring locations in fall 2005 for analysis of VOCs.

4.4 Natural Attenuation Monitoring Results

In addition to collecting and analyzing groundwater samples for comparison with the applicable MCP Method 1 groundwater standards and UCLs, groundwater samples from 20 monitoring wells were analyzed for natural attenuation parameters to assess intrinsic and natural processes that could mitigate groundwater impacts. The analytical results for these parameters (along with any detected VOCs) are provided in Table 9 and Appendix D. In addition, Table E-1 in Appendix E provides a summary of all available natural attenuation analytical data (as well as data for selected VOCs analyzed during the natural attenuation monitoring rounds) for the wells that were analyzed for these parameters in spring 2005. Although the concentrations of VOCs appear to be decreasing at GMA 3 and certain natural attenuation parameters may appear to show an increasing or decreasing trend at individual monitoring wells, the data available are somewhat variable between wells. GE will continue to track changes in concentrations of natural attenuation parameters during the course of the baseline monitoring program and will provide updated assessments of these results in future baseline interim summary reports following sampling events when natural attenuation data is collected (i.e., the spring groundwater quality monitoring rounds) or in the final baseline summary report for GMA 3.

4.5 Overall Assessment of Analytical Results

Graphs illustrating historical concentrations of total VOCs and filtered and unfiltered PCBs, along with the spring 2005 concentrations, are provided in Appendix E for all wells sampled in spring 2005 that have been previously sampled and analyzed for those constituents. In addition, Appendix E contains graphs of historical concentrations of individual constituents (e.g., chlorobenzene) that exceeded the applicable MCP Method 1 GW-3 standards or UCLs at monitoring wells during any of the prior baseline monitoring program sampling events that were analyzed for those constituents in spring 2005.

Since the spring 2005 monitoring event constitutes only the second or third sampling event at many locations under the GMA 3 baseline monitoring program, the amount of data available to assess any trends in constituent concentrations is limited in some wells, while other wells have an extensive historical database. Based on a review of the Concentration vs. Time graphs presented in Appendix E, it appears that concentrations of total VOCs are considerably below their historical high levels in many of the wells downgradient of the former Waste Stabilization Basin, (i.e., the area known to contain the greatest VOC concentrations) where several years of prior data are available. Where minor increases have been observed during the baseline monitoring program, the constituent

concentrations are generally still well below historical high levels. The concentrations of PCBs in wells over time do not appear to vary according to any apparent trend, but instead show minor fluctuations at low concentration levels.

4.6 Evaluation of NAPL Monitoring and Recovery Activities

This section discusses the effectiveness of the existing NAPL monitoring and recovery program at GMA 3 in spring 2005 and proposes certain modifications to optimize operations in the future. In general, the ongoing NAPL recovery operations at GMA 3 have proven effective in removing LNAPL from the subsurface and in preventing LNAPL migration, and only minor additional activities or modifications to the current activities are suggested (e.g., repair/replacement of certain damaged wells). These modifications are discussed in detail in Section 5.2.

4.6.1 Extent of NAPL

The historical maximum extent of measurable LNAPL at GMA 3 is illustrated on Figure 7, while the extent of LNAPL observed in April 2005 is shown on Figure 8. These figures show a decrease in the extent of measurable LNAPL observed in spring 2005 compared to the known maximum extent along the northern edge of the LNAPL area and an apparent increase to the west (although that result may be misleading, as discussed below). This reduction in LNAPL extent on the eastern portion of the LNAPL plume may, at least in part, be attributable to GE's NAPL recovery program, which includes an automatic skimmer system in well 51-21 and routine manual recovery of LNAPL at surrounding locations. In comparison to the prior spring, the extent of LNAPL reflected in Figure 8 appears to be slightly larger than during the prior spring, due to the installation of new well GMA3-13, and the discovery of LNAPL at that well. Since this well, located to the west of Building 51, was just installed in spring 2004, there were no prior data available to confirm the presence or absence of LNAPL in this area. Therefore, it cannot presently be determined whether there is any actual expansion of the extent of LNAPL in the area of well GMA3-13 based on the discovery of LNAPL in that new well. However, GE has also monitored GMA 4 well GMA4-3 across Plastics Avenue from well GMA3-13, and no NAPL has been detected in that well. Other than the reduction in LNAPL along the northern edge of the LNAPL area and discovery of LNAPL in new well GMA3-13, the extent of LNAPL has remained relatively consistent for several years. As discussed in Section 2.5, GE performed inspections of sanitary sewer manholes along Plastics Avenue in response to the observation of LNAPL at well GMA3-13 and no indications of NAPL presence were observed. Therefore, that pipeline does not appear to be acting as a conduit for LNAPL transport from this area.

4.6.2 NAPL Monitoring and Recovery

As discussed in Section 2.5, approximately 77 gallons of LNAPL were recovered at GMA 3 in spring 2005. Of this total, approximately 48 gallons were removed by the automated skimmer system at well 51-21, and the remaining 29 gallons were manually recovered from other monitoring wells (see Table 4). For comparison, over the same time period in spring 2004, approximately 25 gallons of LNAPL were recovered at GMA 3 (approximately 19 gallons by the automated skimmer system at well 51-21, and approximately 6 gallons from other monitoring wells). Since 1997, approximately 947 gallons of LNAPL have been removed from GMA 3 as part of GE's NAPL monitoring and recovery program.

4.6.3 LNAPL Recovery Testing

As discussed in Section 2.5, GE performed LNAPL recovery testing at wells GMA3-12 and GMA3-13 over a three-day period in May 2005. The results of that testing are included in Appendix C, and show that once the initial LNAPL accumulations in the wells (0.988 liters in well GMA3-12 and 0.339 liters in well GMA3-13) were removed, LNAPL recovery to the wells was relatively slow. Specifically, at well GMA3-12, the maximum thickness observed in the well during recovery testing was 0.11 feet at the start of the second day of testing, compared to an initial thickness of 0.40 feet. LNAPL recovery during active testing periods ranged from 0.01 to 0.05 feet per hour, which equates to approximately 0.016 to 0.134 liter per hour in this four-inch well. Similarly, at well GMA3-13, the maximum thickness observed in the well during recovery testing was 0.36 feet at the start of the third day of testing, compared to an initial thickness of 0.55 feet. LNAPL recovery during active testing periods ranged from 0.02 to 0.22 feet per hour, which equates to approximately 0.014 to 0.135 liter per hour in this two-inch well. [It should be noted that the maximum recovery at this well occurred during the first hourly readings and that the next highest recovery rate observed was less than half of that total.] These results indicate that the installation of an automated LNAPL recovery system in either of these wells is not warranted, as the amount of LNAPL returning to these wells during testing was considerably less than the guidance values provided in the FSP/QAPP to consider a well as a candidate for installation of an automated recovery system (i.e., 0.5 liter per hour or 6- to 12-inches per hour).

4.6.4 LNAPL Analytical Results

LNAPL samples from three monitoring wells (51-8, GMA3-10, and UB-PZ-3) were analyzed for VOCs in spring 2005. Additionally, samples from one of these wells (51-8) was analyzed for five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene) using EPA Method 8260B. The analytical results for all constituents analyzed are summarized in Appendix D, while

constituents detected in one or more samples are presented in Table 10. A total of five VOCs were detected in the LNAPL samples, including four VOCs in the sample from well GMA3-10 while only a single VOC was observed in each of the remaining two samples. Total VOC concentrations ranged from 0.049 ppm to 6.1 ppm in the LNAPL samples. Two SVOCs (1,2,4-trichlorobenzene and naphthalene) were detected in the LNAPL sample from well 51-8, as shown in Table 10. Certain of these results (i.e., trichloroethene and 1,2,4-trichlorobenzene concentrations in well 51-8), if similar levels were also present in the groundwater, would be in excess of the MCP GW-2 standards.

For NAPL detected in wells designed to assess GW-2 groundwater (i.e., located at average depths of 15 feet or less from the ground surface and within a horizontal distance of 30 feet from an existing occupied building), the SOW requires a demonstration that constituents in the NAPL do not pose an unacceptable risk to occupants of such building via volatilization and transport to the indoor air of such building. Such demonstration may include assessment activities such as: NAPL sampling, soil gas sampling, desk-top modeling of potential volatilization of chemicals from the NAPL (or associated groundwater) to the indoor air of the nearby occupied buildings, or sampling of the indoor air of such buildings. In Section 5.4, GE proposes to collect and analyze groundwater samples from well 51-8 for comparison to the LNAPL results and to also perform modeling to assess the potential volatilization of these LNAPL constituents.

5. Groundwater and NAPL Monitoring Program Modifications

5.1 General

This section contains GE's proposed modifications to future groundwater and NAPL monitoring activities at GMA 3. These activities are proposed to address the spring 2005 groundwater sampling and NAPL monitoring results at GMA 3. This section also includes a description of other activities to be undertaken by GE that do not require EPA approval prior to implementation (e.g., repair/replacement of damaged wells).

5.2 Baseline Groundwater Quality Monitoring Program Modifications

5.2.1 Well Repair / Replacement Well Installations

During the recent summer 2005 quarterly monitoring round, GE found that several monitoring wells were damaged or destroyed. Specifically, wells 39D, 51-17, GMA3-6, UB-PZ-1, and UB-PZ-2 could not be monitored during that monitoring round. Also, well OBG-2 was found to be usable during the last sampling event, but damage to the well cover was noted. GE will attempt to repair these wells prior to the fall 2005 monitoring round. Initial observations indicate that wells UB-PZ-1 and UB-PZ-2 may no longer be usable, while the others may be salvageable. If that is the case, GE proposes to decommission well UB-PZ-1 and utilize nearby well GMA3-7 in its place for quarterly monitoring activities. There are no suitable substitutes near well UB-PZ-2. Therefore, in the event that that well cannot be repaired, GE will decommission well UB-PZ-2 and install a replacement well (to be designated as GMA3-15) in a nearby location. GE would add that new well to its quarterly monitoring program. If any of the other wells cannot be repaired, GE will propose additional response actions to EPA.

Details concerning these well repairs and any necessary installations will be provided in the next semi-annual report, along with the results of the summer 2005 monitoring round. Additionally, EPA and GE have previously agreed that installation of well GMA3-1 may be deferred until after completion of future remediation actions in this area, including the re-routing of Unkamet Brook. Finally, several of the staff gauges located in GMA 3 have been found to be unusable during recent monitoring events. GE will repair, replace, and/or re-survey these gauges, as necessary, prior to the next quarterly monitoring event.

5.2.2 Response to Exceedances of MCP Method 1 GW-3 Standard

As discussed in Section 4.3.2, chlorobenzene was detected above the MCP Method 1 GW-3 standard at perimeter wells 78B-R, 89B, and 114B-R. As shown in the graphs in Appendix E, chlorobenzene concentrations at well 89B are significantly lower than their historical high levels, while concentrations at wells 78B-R and 114B-R have remained relatively consistent over the time this well has been monitored. Moreover, these wells are located within the known chlorobenzene plume at GMA 3. Therefore, GE proposes to conduct continued monitoring at these wells, which will enable GE to further identify and evaluate trends within the data.

PCB concentrations in the filtered sample analyzed from well 82B-R were detected at a concentration equal to the Method 1 GW-3 standard of 0.0003 ppm. As discussed in Section 4.3.2, this result represented the first detection of PCBs at well 82B-R, which has only been sampled on two occasions for PCB analysis to date. Therefore, in light of the fact that the detected PCB concentration was only equal to the Method 1 GW-3 standard, GE's proposes to continue the baseline sampling program at this well in order to obtain more data to assess this result.

5.3 Natural Attenuation Monitoring Program Modifications

The UCL for chlorobenzene of 10 ppm was exceeded at five natural attenuation wells 2A (120 ppm), 16A (26 ppm), 39B-R (12 ppm), 89A (16 ppm), and 114A (12 ppm) located within the known VOC plume present to the south of the former Waste Stabilization Basin. The results at three of these wells are well-documented and consistent with prior investigation results that generally show a decrease in VOC concentrations from their historically high levels. However, the chlorobenzene UCL was exceeded for the first time at wells 39B-R and 114A, each of which has only been sampled twice. As such, GE's proposed response is to collect an additional round of samples from these natural attenuation monitoring locations in fall 2004 for analysis of VOCs. In the next baseline monitoring report, GE will assess those results and propose either to continue semi-annual sampling and analysis at these locations, return to sampling these wells on an annual basis in the spring, or to implement an alternate sampling schedule. In addition, as noted above, GE plans to redevelop well 16C-R to reduce turbidity in that well.

5.4 NAPL Monitoring and Recovery Program Modifications

The NAPL monitoring and recovery program that is in place at GMA 3 appears to be effective in identifying and reducing the extent of NAPL in the area of Buildings 51 and 59. GE plans to continue the existing program (i.e., operation of the automated system and routine monitoring and manual removal at other monitoring wells, including

well GMA4-3, which is located outside GMA 3 to the west of Plastics Avenue); however, the following modifications are proposed to the GMA 3 NAPL monitoring program:

- Well GMA3-13 was initially scheduled to be monitored for LNAPL on a monthly basis. However, per the NAPL monitoring program protocols, the monitoring frequency was temporarily increased to weekly following the initial detection of LNAPL at this well and any LNAPL observed was manually removed. Since the amount of LNAPL recovered by this well has been steadily decreasing during the weekly monitoring events (see Appendix C), GE proposes to return to the former monthly monitoring schedule and to implement the standard criteria for LNAPL removal, i.e., observed thickness of greater than 0.25 feet, rather than removing any LNAPL present.

- In addition, as noted above in Section 5.2.1, GE plans to attempt to attempt to repair the damaged wells that are part of the LNAPL monitoring program. If well UB-PZ-1 cannot be repaired, nearby well GMA3-7 will be used as a replacement for quarterly monitoring activities. If well UB-PZ-2 cannot be repaired, GE will decommission that well and install a replacement well (to be designated GMA3-15) in a nearby location. That new well, if installed, would be added to the quarterly monitoring program. If the other wells cannot be repaired, GE will propose additional response actions to EPA.

- As discussed in Section 4.6.4, elevated concentrations of trichloroethene and 1,2,4-trichlorobenzene concentrations were detected in an LNAPL sample collected from well 51-8. The substances in LNAPL would volatilize differently than if they were in groundwater, however. To assess whether constituents in the NAPL pose an unacceptable risk to the occupants of nearby Building 51 via volatilization and transport to the indoor air of that building, GE proposes to collect a groundwater sample from well 51-8 for analysis of VOCs and five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene), using EPA Method 8260B. The groundwater analytical results will be compared to the applicable MCP GW-2 standards. If groundwater concentrations of those analytes exceed the GW-2 standards, GE may propose to derive site-specific values based on a commercial industrial land use scenario. This will include development of a site-specific attenuation factors that consider site-specific building parameters (e.g., building size, ventilation rates, etc), soil type, and groundwater depth, in addition to a commercial/industrial exposure scenario (e.g., reduced exposure frequency and duration). In addition, available NAPL-saturated soil data (i.e., residual phase samples) will be evaluated using the Johnson-Ettinger NAPL model (or other suitable model) for soils. Similar to the groundwater evaluation, the model will incorporate site-specific exposure assumptions that reflect commercial/industrial land use. If no suitable soil data is available from this area, GE

will install a soil boring near well 51-8 and collect NAPL-saturated soil samples for analysis of VOCs and SVOCs for use in the Johnson-Ettinger (or other suitable) model.

6. Schedule of Future Activities

6.1 General

Schedule requirements related to the baseline monitoring programs were generally identified in Attachment H to the SOW, and further clarified in the GMA 3 Baseline Monitoring Proposal. This section primarily addresses scheduling issues relating to the fall 2005 monitoring event.

6.2 Field Activities Schedule

GE is currently preparing to conduct the well repair/replacement activities discussed in Section 5.2.1 above and will attempt to install and develop any necessary new wells in September 2005 in order to allow the wells sufficient time to equilibrate prior to the fall monitoring round. In addition, GE will re-develop well 16C-R to address the elevated turbidity level encountered at this location in spring 2005. Finally, upon EPA approval of GE's proposal contained in Section 5.4, GE will collect a groundwater sample from well 51-8 and, if necessary for modeling purposes, a soil sample as described in that section.

GE has recently completed its quarterly water level monitoring round for summer 2005 and will continue its routine weekly and monthly groundwater elevation and NAPL monitoring according to the current schedule approved by EPA until the modifications proposed in Section 5.4 are approved. In accordance with the approved semi-annual monitoring schedule, the fall 2005 groundwater elevation monitoring and sampling events are currently scheduled for October 2005. GE will conduct a NAPL bailing round approximately one to two weeks prior to the fall 2005 semi-annual groundwater elevation monitoring event.

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

6.3 Reporting Schedule

GE will compile the results of the supplemental sampling at well 51-8, including a comparison of the groundwater data to the MCP GW-2 standards, any proposed site-specific modification of the GW-2 standards, and the NAPL modeling results following completion of the associated proposed field and desktop modeling activities. Those results and an evaluation of whether constituents in the NAPL pose an unacceptable risk to the occupants of

Building 51 will be submitted to EPA within 90 days after receipt of EPA approval of GE's proposal in Section 5.4. That submission will include a proposal for further action, if any, based on the results of the evaluation.

GE will submit the fall 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report for GMA 3 by February 28, 2006, in accordance with the previously approved reporting schedule. Since that report will constitute the fourth baseline monitoring report since implementation of the full baseline monitoring program at GMA 3, it will also contain a proposal to modify the baseline monitoring activities until such time that soil-related response actions at the Unkamet Brook RAA are completed and a long-term monitoring program can be implemented. GE has utilized this approach (i.e., development of an interim groundwater monitoring program) at the four other GMAs where the initial baseline monitoring activities have been completed. GE will also continue to provide the results of its ongoing groundwater monitoring activities and NAPL monitoring and recovery efforts in its monthly reports on overall activities at the GE-Pittsfield/Housatonic River Site.

Tables

TABLE 1
MONITORING PROGRAM SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Spring 2005	Comments
2A	Quarterly	Annual	Natural Attenuation	Yes	
6B-R	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	Replacement for well 6B.
16A	Quarterly	Annual	Natural Attenuation	Yes	
16B-R	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-2 Sentinel/ Annual Sampling: Natural Attenuation	Yes	
16C-R	Quarterly	Annual	Natural Attenuation	Yes	Replacement for well 16C.
39B-R	Quarterly	Annual	Natural Attenuation	Yes	
39D	Quarterly	Annual	Natural Attenuation	Yes	
39E	Quarterly	Annual	Natural Attenuation	Yes	
43A	Quarterly	Annual	Natural Attenuation	Yes	
43B	Quarterly	Annual	Natural Attenuation	Yes	
50B	Quarterly	None	None - Groundwater Elevation Monitoring Only	Yes	
51-05	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-06	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-07	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-08	Weekly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-09	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	

TABLE 1
MONITORING PROGRAM SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Spring 2005	Comments
51-11	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-12	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-13	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-14	Monthly	Semi-Annual	GW-2 Sentinel	Yes	
51-15	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-16R	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-17	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-18	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-19	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-21	Quarterly	None	None - Groundwater Elevation/NAPL Monitoring & NAPL Recovery Only	Yes	LNAPL skimmer present in well.
54B-R	Quarterly	Semi-Annual	GW-3 Perimeter	No	Replacement for well 54B.
59-01	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
59-03R	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
59-07	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
78B-R	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	
82B-R	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	Replacement for well 82B.

TABLE 1
MONITORING PROGRAM SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Spring 2005	Comments
89A	Quarterly	Annual	Natural Attenuation	Yes	
89B	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	
89D-R	Quarterly	Annual	Natural Attenuation	Yes	Replacement for well 89D.
90A	Quarterly	Annual	Natural Attenuation	Yes	
90B	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	
95A	Quarterly	Annual	Natural Attenuation	Yes	
95B-R	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	Replacement for well 95B.
111A-R	Quarterly	Annual	Natural Attenuation	Yes	Replacement for well 111A.
111B-R	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	Replacement for well 111B.
114A	Quarterly	Annual	Natural Attenuation	Yes	
114B-R	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	Replacement for well 114B.
GMA3-1	Quarterly	Semi-Annual	GW-3 Perimeter	No	Installation of this well has been deferred until re-routing of Unkamet Brook is completed.
GMA3-2	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
GMA3-3	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	
GMA3-4	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
GMA3-5	Quarterly	Semi-Annual	GW-2 Sentinel/ GW-3 Perimeter	Yes	

TABLE 1
MONITORING PROGRAM SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Spring 2005	Comments
GMA3-6	Quarterly	Semi-Annual	GW-2 Sentinel/ GW-3 Source Area Sentinel	Yes	
GMA3-7	Quarterly	Semi-Annual	GW-2 Sentinel/ GW-3 Perimeter	Yes	
GMA3-8	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
GMA3-9	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
GMA3-10	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
GMA3-11	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
GMA3-12	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
GMA3-13	Weekly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
GMA3-14	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
OBG-2	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
UB-MW-10	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
UB-PZ-1	Quarterly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
UB-PZ-2	Quarterly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
UB-PZ-3	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	

Notes:

1. Monitoring consists of periodic depth to water and NAPL thickness measurements, if present. LNAPL is manually removed from a well if a thickness of greater than 0.25 feet is observed during a monitoring event (except at well 51-21, which is equipped with an automated skimmer).

TABLE 1
MONITORING PROGRAM SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Spring 2005	Comments

2. Sampling consists of semi-annual or annual sampling and analysis. Analytical parameters based on well designation (i.e., GW-2 Sentinel, GW-3 Perimeter, GW-3 Source Area Sentinel, &/or Natural Attenuation).

TABLE 2
MONITORING WELL CONSTRUCTION SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft bgs)	Screen Length (ft)	Top of Screen Elevation (ft AMSL)	Base of Screen Elevation (ft AMSL)	Average Depth to Groundwater (ft bgs)	Average Groundwater Elevation (ft AMSL)
	Northing	Easting									
2A	537005.10	138853.90	1.00	991.50	994.16	45.00	5.00	946.50	941.50	5.6	985.87
6B-R	537191.50	138910.00	2.00	991.40	993.62	2.00	10.00	989.40	979.40	5.1	986.29
16A	536730.50	139115.60	2.00	991.50	991.77	44.00	6.00	947.50	941.50	7.1	984.38
16B-R	536738.18	139076.37	2.00	991.80	994.87	3.08	10.00	988.72	978.72	6.2	985.57
16C-R	536734.00	139112.40	2.00	991.40	991.47	90.00	10.00	901.40	891.40	8.1	983.32
16E	536730.30	139112.70	1.00	991.40	992.14	144.00	6.00	847.40	841.40	7.2	984.18
34B	536293.70	138394.20	2.00	1,000.50	1,000.56	20.00	5.00	980.50	975.50	14.9	985.60
35B	536443.40	138525.40	2.00	998.03	997.36	18.00	5.00	980.03	975.03	12.6	985.40
39B-R	536938.60	138862.60	2.00	992.29	991.97	4.00	10.00	988.29	978.29	6.4	985.91
39D	536948.40	138857.90	4.00	992.34	992.16	56.00	10.00	936.34	926.34	6.6	985.78
39E	536932.10	138851.00	4.00	992.34	992.21	225.00	10.00	767.34	757.34	6.1	986.25
43A	538081.20	137905.90	1.00	991.90	993.79	45.00	5.00	946.90	941.90	5.2	986.66
43B	538081.20	137904.40	1.00	991.90	993.61	15.00	5.00	976.90	971.90	4.3	987.57
50B	538647.00	139106.20	2.00	989.72	991.72	8.50	5.00	981.22	976.22	1.2	988.48
51-05	536750.50	138335.60	2.00	996.91	996.44	5.00	10.00	991.91	981.91	10.6	986.31
51-06	536937.64	138194.32	2.00	997.57	997.36	5.00	10.00	992.57	982.57	11.1	986.51
51-07	536843.80	138244.60	2.00	997.26	997.08	5.00	10.00	992.26	982.26	10.8	986.43
51-08	536677.80	138317.00	2.00	997.39	997.08	5.00	10.00	992.39	982.39	11.4	986.00
51-09	536563.70	138370.30	2.00	997.76	997.70	5.00	10.00	992.76	982.76	10.1	987.64
51-11	536860.00	138774.50	2.00	994.62	994.37	5.00	10.00	989.62	979.62	8.7	985.91
51-12	536497.30	138518.50	2.00	996.83	996.55	5.00	10.00	991.83	981.83	7.6	989.27
51-13	536917.10	138579.80	2.00	997.68	997.65	5.00	10.00	992.68	982.68	10.3	987.37
51-14	536771.40	138502.60	2.00	996.93	996.77	5.00	10.00	991.93	981.93	10.8	986.14
51-15	536808.20	138306.30	2.00	996.68	996.43	5.00	10.00	991.68	981.68	10.5	986.17
51-16R	536830.20	138347.60	2.00	996.70	996.39	5.00	10.00	991.70	981.70	10.2	986.46
51-17	536769.90	138377.40	2.00	996.48	996.43	5.00	10.00	991.48	981.48	10.2	986.28

TABLE 2
MONITORING WELL CONSTRUCTION SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft bgs)	Screen Length (ft)	Top of Screen Elevation (ft AMSL)	Base of Screen Elevation (ft AMSL)	Average Depth to Groundwater (ft bgs)	Average Groundwater Elevation (ft AMSL)
	Northing	Easting									
51-18	536902.90	138463.40	2.00	997.38	997.12	5.00	10.00	992.38	982.38	11.2	986.21
51-19	536823.20	138414.80	2.00	996.65	996.43	5.00	10.00	991.65	981.65	10.6	986.05
51-21	536767.70	138442.35	4.00	996.70*	1,001.49	5.00	10.00	991.70	981.70	10.6	986.11
54B-R	537827.30	139113.60	2.00	989.00	991.49	3.00	10.00	986.00	976.00	2.7	986.28
59-01	536488.80	138238.60	2.00	997.78	996.72	4.00	20.00	993.78	973.78	10.9	986.84
59-03R	536501.00	138260.70	2.00	997.82	997.64	7.30	10.00	990.52	980.52	11.6	986.17
59-07	536517.40	138296.10	2.00	998.27	997.96	4.00	20.00	994.27	974.27	12.0	986.27
74B	537490.90	138374.90	1.00	996.05	995.54	15.00	5.00	981.05	976.05	8.1	987.97
78B-R	537551.80	138716.50	2.00	989.11	988.83	1.82	10.00	987.29	977.29	1.8	987.30
82B-R	536937.40	139621.60	2.00	987.80	989.90	2.00	10.00	985.80	975.80	2.9	984.93
89A	536030.80	139413.40	1.00	983.60	985.76	43.00	5.00	940.60	935.60	1.4	982.18
89B	536031.60	139411.70	2.00	983.10	986.03	4.00	3.00	979.10	976.10	0.3	982.78
89D-R	536072.20	139434.90	2.00	984.40	987.11	67.50	10.00	916.90	906.90	2.7	981.75
90A	536254.90	139765.40	1.00	986.50	988.07	45.00	5.00	941.50	936.50	4.0	982.50
90B	536251.60	139761.00	2.00	986.50	989.10	8.00	3.00	978.50	975.50	4.4	982.12
95A	535822.10	139769.60	1.00	985.30	987.18	45.00	5.00	940.30	935.30	4.6	980.69
95B-R	535637.20	139722.30	2.00	984.30	986.24	3.00	10.00	981.30	971.30	3.6	980.65
95C	535823.20	139780.30	1.00	985.30	988.16	95.00	5.00	890.30	885.30	1.2	984.07
111A-R	535824.10	139087.80	2.00	995.10	997.35	40.00	10.00	955.10	945.10	11.1	984.00
111B-R	535828.40	139092.00	2.00	994.80	997.48	7.18	10.00	987.62	977.62	11.5	983.25
114A	535499.50	139775.20	1.00	983.20	986.16	45.00	5.00	938.20	933.20	3.5	979.75
114B-R	535503.90	139786.90	2.00	983.50	985.54	4.00	10.00	979.50	969.50	4.3	979.18
114C	535500.50	139792.80	1.00	983.70	986.68	88.00	5.00	895.70	890.70	3.8	979.91
GMA3-2	536596.40	138956.60	2.00	992.25	991.94	5.19	10.00	987.06	977.06	7.9	984.39
GMA3-3	538094.20	138178.20	2.00	990.86	990.45	2.00	10.00	988.86	978.86	2.3	988.55
GMA3-4	537044.70	138021.80	2.00	994.94	994.60	3.57	10.00	991.37	981.37	7.4	987.52

TABLE 2
MONITORING WELL CONSTRUCTION SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft bgs)	Screen Length (ft)	Top of Screen Elevation (ft AMSL)	Base of Screen Elevation (ft AMSL)	Average Depth to Groundwater (ft bgs)	Average Groundwater Elevation (ft AMSL)
	Northing	Easting									
GMA3-5	537323.20	139766.90	2.00	991.50	993.67	4.00	10.00	987.50	977.50	5.8	985.70
GMA3-6	537021.50	138342.30	2.00	997.74	997.49	8.00	10.00	989.74	979.74	11.1	986.61
GMA3-7	536291.70	138397.40	2.00	1000.45	1000.17	10.00	10.00	990.45	980.45	13.5	986.97
GMA3-8	536339.60	138899.10	2.00	994.50	996.24	5.00	10.00	989.50	979.50	7.9	986.56
GMA3-9	537383.20	138385.60	2.00	992.90	992.39	3.00	10.00	989.90	979.90	5.29	987.61
GMA3-10	536659.10	138056.40	2.00	997.78	997.54	9.00	10.00	988.78	978.78	10.82	986.96
GMA3-11	536353.70	138147.90	2.00	997.78	997.25	9.00	10.00	988.78	978.78	10.54	987.24
GMA3-12	536469.20	138169.70	4.00	998.04	997.84	7.00	15.00	991.04	976.04	11.21	986.83
GMA3-13	536534.30	138035.90	2.00	998.00	997.73	8.06	10.00	989.94	979.94	11.26	986.74
GMA3-14	536710.30	137953.20	2.00	997.66	997.42	7.25	10.00	990.41	980.41	10.64	987.02
OBG-2	537209.10	139475.80	3.00	992.24	992.20	3.00	11.40	989.24	977.84	5.45	986.79
UB-MW-10	536908.10	138278.30	1.00	996.21	995.99	8.00	10.00	988.21	978.21	9.91	986.30
UB-PZ-1	536336.80	138383.90	1.00	999.00	999.70	9.00	5.00	990.00	985.00	12.23	986.77
UB-PZ-2	536726.10	138735.70	1.00	994.40	994.77	4.00	10.00	990.40	980.40	9.17	985.23
UB-PZ-3	536480.10	138110.00	1.00	998.55	998.15	11.00	5.00	987.55	982.55	12.35	986.20

NOTES:
1. The listed wells were scheduled to be utilized during spring 2005 for baseline groundwater quality sampling or groundwater elevation monitoring.

TABLE 3A
GROUNDWATER ELEVATION DATA - WINTER 2004/2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Winter Groundwater Elevation (ft AMSL)	Winter 2004/2005 Groundwater Elevation (ft AMSL)	Winter 2004/2005 LNAPL Thickness (ft)
Monitoring Wells Screened at Water Table				
006B/006B-R	986.29	986.77	987.61	0.00
016B-R	985.57	985.62	986.16	0.00
16C-R	983.32	980.96	984.16	0.00
039B-R	985.91	985.93	986.49	0.00
043B	987.57	987.53	988.21	0.00
050B	988.48	988.62	989.06	0.00
51-05	986.31	986.12	986.99	0.04
51-06	986.51	986.57	987.26	<0.01
51-08	986.00	986.15	986.96	0.09
51-09	987.64	987.84	988.17	0.00
51-11	985.91	985.81	987.20	0.00
51-12	989.27	989.27	990.03	0.00
51-13	987.37	<982.68	<987.37	NA
51-14	986.14	986.02	986.84	0.00
51-15	986.17	986.17	986.99	0.01
51-16R	986.46	986.73	987.01	0.00
51-17	986.28	986.34	987.23	1.39
51-18	986.21	986.16	987.02	0.00
51-19	986.05	986.08	986.90	1.12
51-21	986.11	986.34	987.04	0.00
59-01	986.84	987.16	987.02	0.00
59-03R	986.17	986.19	987.04	1.18
59-07	986.27	986.24	987.16	0.00
82B-R	984.93	985.25	986.42	0.00
95B-R	980.65	980.34	981.04	0.00
111B	983.25	983.36	984.34	<0.01
114B-R	979.18	979.02	979.82	0.00
GMA3-2	984.39	984.66	985.40	0.00
GMA3-3	988.55	987.49	989.25	0.00
GMA3-4	987.52	987.57	988.22	0.00
GMA3-5	985.70	986.65	986.65	<0.01
GMA3-6	986.61	986.67	987.41	0.00
GMA3-7	986.97	987.82	990.24	0.00
GMA3-8	986.56	987.20	987.20	0.00
GMA3-9	987.61	987.79	988.25	0.00
GMA3-10	986.96	987.18	987.18	0.89
GMA3-11	987.24	987.50	987.50	0.00
GMA3-12	986.83	987.10	987.10	0.17

TABLE 3A
GROUNDWATER ELEVATION DATA - WINTER 2004/2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Winter Groundwater Elevation (ft AMSL)	Winter 2004/2005 Groundwater Elevation (ft AMSL)	Winter 2004/2005 LNAPL Thickness (ft)
UB-MW-10	986.30	986.37	987.19	0.00
UB-PZ-1	986.77	987.09	987.19	0.00
UB-PZ-3	986.20	986.15	987.02	0.50
Monitoring Wells Screened Below Water Table				
002A	985.87	985.81	986.69	0.00
039D	985.78	985.81	986.73	0.00
039E	986.25	986.29	987.27	0.00
043A	986.66	985.46	988.61	0.00
095A	980.69	980.57	981.18	0.00
095C	984.07	984.74	985.48	0.00
111A/111A-R	984.00	983.77	984.91	0.00
114A	979.75	978.97	980.61	0.00

NOTES:

1. Groundwater elevation/NAPL thickness data collected on January 18-20, 2005.
2. ft AMSL - Feet Above Mean Sea Level
3. Groundwater elevations denoted <## indicate that the well was dry on the date measured and the referenced elevation represents the base of well elevation.
4. Average groundwater elevations based on available seasonal groundwater elevation data since 2000.
5. NA - Data not available
6. Wells 51-7, 51-13, 54B, 78B-R, 89B, 90B, OBG-2, UB-PZ-2, 16A, 16E, 89A, 89D, 90A, and 114C, as well as all surface water staff gauges, were unable to be measured in January 2005. These wells/gauges were either not located, inaccessible, or obstructed.

TABLE 3B
GROUNDWATER ELEVATION DATA - SPRING 2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Spring Groundwater Elevation (ft AMSL)	Spring 2005 Groundwater Elevation (ft AMSL)	Spring 2005 LNAPL Thickness (ft)
Monitoring Wells Screened at Water Table				
006B-R	986.29	987.29	986.96	0.00
016B-R	985.57	986.03	986.16	0.00
039B-R	985.91	986.40	986.27	0.00
043B	985.60	986.27	987.87	0.00
050B	988.48	989.05	988.98	0.00
51-05	986.31	986.55	987.28	<0.01
51-06	986.51	986.95	987.60	0.00
51-07	986.43	986.77	987.45	0.00
51-08	986.00	986.58	987.24	0.04
51-09	987.64	988.28	988.43	0.00
51-11	985.91	986.80	987.00	0.00
51-12	989.27	989.64	989.51	0.00
51-13	987.37	987.64	987.64	0.00
51-14	986.14	986.56	987.01	0.00
51-15	986.17	986.65	987.27	0.01
51-16R	986.46	986.72	987.23	0.05
51-17	986.28	986.76	987.36	0.04
51-18	986.21	986.60	987.14	0.00
51-19	986.05	986.56	987.06	0.98
51-21	986.11	986.26	987.22	<0.01
54B-R	986.28	987.07	986.98	0.00
59-01	986.84	986.85	987.37	0.00
59-03R	986.17	986.57	987.38	1.63
59-07	986.27	986.69	987.16	0.01
078B-R	987.30	987.52	987.11	0.00
082B-R	984.93	986.35	986.49	0.00
089B	982.78	983.06	983.56	0.00
090B	982.12	982.93	983.21	0.00
095B-R	980.65	980.80	980.86	0.00
111B-R	983.25	983.50	984.03	0.00
114B-R	979.18	979.27	979.81	0.00
GMA3-2	984.39	984.79	984.58	0.00
GMA3-3	988.55	989.87	989.49	0.00
GMA3-4	987.52	987.92	988.50	0.00
GMA3-5	985.70	986.65	986.61	<0.01
GMA3-6	986.61	987.07	987.57	0.00

TABLE 3B
GROUNDWATER ELEVATION DATA - SPRING 2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Spring Groundwater Elevation (ft AMSL)	Spring 2005 Groundwater Elevation (ft AMSL)	Spring 2005 LNAPL Thickness (ft)
GMA3-7	986.97	987.40	987.76	0.00
GMA3-8	986.56	987.14	987.21	0.00
GMA3-9	987.61	988.05	988.12	0.00
GMA3-10	986.96	987.58	987.95	1.34
GMA3-11	987.24	987.72	987.69	0.00
GMA3-12	986.83	987.27	987.44	0.36
GMA3-13	986.74	987.56	987.56	0.79
GMA3-14	987.02	987.67	987.67	0.00
OBG-2	986.79	987.63	987.51	0.00
UB-MW-10	986.30	986.64	987.43	0.00
UB-PZ-1	986.77	987.12	987.49	0.00
UB-PZ-2	985.23	986.31	986.44	0.00
UB-PZ-3	986.20	986.56	987.39	0.67
Monitoring Wells Screened Below Water Table				
002A	985.87	986.61	986.60	0.00
016A	984.38	985.37	986.22	0.00
16C-R	983.32	984.90	983.97	0.00
039D	985.78	986.36	986.62	0.00
039E	986.25	986.89	987.02	0.00
043A	986.66	987.27	988.44	0.00
089A	982.18	983.62	983.62	0.00
89D-R	981.75	983.68	983.73	0.00
090A	982.50	983.33	983.30	0.00
095A	980.69	980.89	981.03	0.00
111A-R	984.00	984.65	984.65	0.00
114A	979.75	979.90	980.54	0.00
Unkamet Brook Staff Gauge				
GMA3-SG-3	987.56	987.59	987.35	0.00

NOTES:

1. Groundwater elevation/NAPL thickness data collected on April 19-22, 2005.
2. ft AMSL - Feet Above Mean Sea Level
3. Groundwater elevations denoted <## indicate that the well was dry on the date measured and the referenced elevation represents the base of well elevation.
4. Average groundwater elevations based on available seasonal groundwater elevation data since 2000.
5. Surface water staff gauges GMA3-SG-1, GMA3-SG-2, and GMA3-SG-4 were unable to be measured in April 2005. These gauges were either not located or damaged.

TABLE 3B
GROUNDWATER ELEVATION DATA - SPRING 2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Spring Groundwater Elevation (ft AMSL)	Spring 2005 Groundwater Elevation (ft AMSL)	Spring 2005 LNAPL Thickness (ft)

6. Instrument detections of LNAPL at wells 51-05 and GMA3-5 was verified as false based on visual observations.

TABLE 4
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			LNAPL Recovery [6]	
			Minimum (Feet BMP)	Maximum (Feet BMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Liters)	LNAPL Recovery (Gallons)
GMA3 Monitoring Wells									
2A	3	994.16	6.75	7.56	0	---	---	---	---
006B-R	3	993.62	4.99	6.66	0	---	---	---	---
16A	2	991.77	5.48	5.55	0	---	---	---	---
16B-R	3	994.87	8.41	8.71	0	---	---	---	---
16C-R	5	991.47	6.90	7.57	0	---	---	---	---
39B-R	3	991.97	5.14	5.70	0	---	---	---	---
39D	3	992.16	4.73	5.54	0	---	---	---	---
39E	3	992.21	4.65	5.19	0	---	---	---	---
43A	3	993.79	4.99	5.35	0	---	---	---	---
43B	3	993.61	5.01	5.74	0	---	---	---	---
50B	2	991.76	2.70	2.78	0	---	---	---	---
51-05	7	996.44	5.95	9.86	6	0.01	0.20	0.123	0.03
51-06	6	997.36	9.70	10.90	1	<0.01		---	---
51-07	6	997.08	9.63	10.60	0	---	---	---	---
51-08	26	997.08	9.58	12.08	26	0.01	0.89	3.183	0.84
51-09	6	997.70	9.02	10.85	0	---	---	---	---
51-11	6	994.37	6.20	8.49	0	---	---	---	---
51-12	6	996.55	6.52	7.53	0	---	---	---	---
51-13	6	997.42	9.78	9.78	0	---	---	---	---
51-14	7	996.77	8.82	10.66	0	---	---	---	---

TABLE 4
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			LNAPL Recovery [6]	
			Minimum (Feet BMP)	Maximum (Feet BMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Liters)	LNAPL Recovery (Gallons)
51-15	7	996.43	9.17	10.11	4	0.01	0.14	0.086	0.02
51-16R	7	996.39	9.21	10.50	4	0.40	0.20	0.895	0.24
51-17	7	996.43	9.11	10.81	5	0.04	1.45	1.750	0.46
51-18	6	997.12	9.40	11.10	0	---	---	---	---
51-19	7	996.43	10.28	10.80	6	0.74	1.12	1.810	0.48
51-21	27	1001.49	13.88	15.46	23	<0.01	0.01	76.179	20.12
54B	1	987.96	NA	NA	0	---	---	---	---
54B-R	3	991.49	4.29	4.51	0	---	---	---	---
59-01	6	997.52	10.15	11.32	0	---	---	---	---
59-03R	7	997.64	11.70	12.52	7	1.09	1.63	2.801	0.74
59-07	7	997.96	10.53	11.75	5	0.01	0.02	0.012	0.00
78B-R	3	988.83	0.41	1.72	0	---	---	---	---
82B-R	3	989.90	2.84	3.48	0	---	---	---	---
89A	1	985.76	2.14	2.14	0	---	---	---	---
89B	1	986.03	2.47	2.47	0	---	---	---	---
89D-R	3	987.11	0.70	3.96	0	---	---	---	---
90A	2	988.07	4.77	5.08	0	---	---	---	---
90B	2	989.10	5.46	5.89	0	---	---	---	---
95A	3	987.18	6.00	6.28	0	---	---	---	---
95B-R	3	986.24	5.20	5.73	0	---	---	---	---
95C	1	988.16	2.68	2.68	0	---	---	---	---

TABLE 4
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			LNAPL Recovery [6]	
			Minimum (Feet BMP)	Maximum (Feet BMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Liters)	LNAPL Recovery (Gallons)
111A-R	3	997.35	12.41	12.70	0	---	---	---	---
111B	1	996.75	12.41	12.41	1	<0.01		---	---
111B-R	4	997.48	12.75	13.53	0	---	---	---	---
114A	3	986.16	5.55	5.80	0	---	---	---	---
114B-R	3	985.54	5.72	5.76	0	---	---	---	---
GMA3-2	3	991.94	5.51	7.36	0	---	---	---	---
GMA3-3	3	990.45	0.50	1.2	0	---	---	---	---
GMA3-4	3	994.60	5.83	6.38	1	<0.01		---	---
GMA3-5	3	993.67	6.47	7.06	0	---	---	---	---
GMA3-6	3	997.49	9.55	10.08	0	---	---	---	---
GMA3-7	3	1000.17	9.93	12.41	0	---	---	---	---
GMA3-8	3	996.24	8.60	9.04	0	---	---	---	---
GMA3-9	3	992.39	3.75	4.27	0	---	---	---	---
GMA3-10	26	997.54	10.84	11.94	26	0.50	1.34	12.158	3.21

TABLE 4
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			LNAPL Recovery [6]	
			Minimum (Feet BMP)	Maximum (Feet BMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Liters)	LNAPL Recovery (Gallons)
GMA3-11	6	997.25	9.56	10.68	0	---	---	---	---
GMA3-12	31	997.84	10.80	12.20	31	0.10	0.63	27.337	7.22
GMA3-13	15	997.73	10.27	12.21	13	0.05	0.79	3.626	0.96
GMA3-14	5	997.42	9.75	11.41	0	---	---	---	---
OBG-2	3	992.20	3.93	4.69	0	---	---	---	---
UB-MW-10	6	995.99	8.25	9.75	0	---	---	---	---
UB-PZ-1	2	999.70	12.21	12.51	0	---	---	---	---
UB-PZ-2	2	994.77	8.33	8.33	0	---	---	---	---
UB-PZ-3	6	998.15	11.38	12.18	6	0.18	0.67	0.348	0.09

Total amount of LNAPL Recovered - January 2005 through June 2005: 130.31 liters
34.42 gallons

NOTES

1. --- indicates LNAPL was not present in a measurable quantity
2. NA indicates information not available.
3. DRY - Indicates that groundwater was not present in the well at the time measurements were conducted.
4. ft BMP = Feet Below Measuring Point
5. ft AMSL = Feet Above Mean Sea Level
6. LNAPL was recovered via an automated skimmer at well 51-21 and was manually removed from the remaining wells.

TABLE 5
FIELD PARAMETER MEASUREMENTS - SPRING 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Turbidity (NTU)	Temperature (degrees Celsius)	pH (standard units)	Specific Conductivity (mS/cm)	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
2A	6.0	10.17	8.41	0.411	-173.8	1.10
6B-R	5.0	9.14	6.93	0.270	190.1	3.84
16A	30.0	10.52	7.98	6.465	-187.5	1.18
16B-R	24.0	9.54	7.21	1.255	-107.5	0.27
16C-R	140.0	9.76	10.32	0.269	-241.2	0.98
39B-R	10.0	7.80	7.26	1.701	-81.1	6.20
39D	3.0	11.04	8.70	0.310	-36.0	1.30
39E	15.0	10.46	6.74	0.348	-25.5	0.94
43A	9.0	10.57	7.23	0.778	-129.5	0.24
43B	0.0	9.52	6.90	1.151	-92.3	0.19
51-14	4.0	8.24	6.54	0.416	205.3	7.23
54B-R	20.0	8.10	12.05	0.670	-246.7	0.62
78B-R	3.0	9.04	7.37	2.650	-159.0	0.12
82B-R	4.0	6.16	6.24	0.575	-44.9	1.85
89A	21.0	9.97	7.58	1.915	-155.0	1.85
89D-R	4.0	8.95	8.40	2.839	-209.9	0.27
90A	3.0	7.78	7.87	0.690	-185.0	0.18
90B	6.0	7.94	6.46	0.566	-25.6	0.22
95A	3.0	8.38	7.25	0.234	-141.8	0.74
95B-R	9.0	7.53	6.97	0.706	-95.4	0.89
111A-R	10.0	11.68	9.80	0.970	-250.1	0.16
111B-R	8.0	10.51	7.44	0.866	133.5	10.21

TABLE 5
FIELD PARAMETER MEASUREMENTS - SPRING 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Turbidity (NTU)	Temperature (degrees Celsius)	pH (standard units)	Specific Conductivity (mS/cm)	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
114A	39.0	13.88	7.91	0.219	-217.0	0.70
114B-R	10.0	12.03	7.10	0.805	-58.2	0.62
GMA3-2	15.0	10.55	7.13	13.890	-123.2	0.85
GMA3-3	10.0	6.50	7.06	2.594	-82.5	0.16
GMA3-4	9.0	12.93	7.27	0.519	180.9	9.64
GMA3-5	10.0	7.60	6.50	0.415	172.7	4.96
GMA3-6	9.0	9.39	6.62	0.902	-60.0	1.39
GMA3-7	7.0	9.20	6.67	0.664	125.0	8.34
GMA3-8	8.0	7.91	7.19	0.746	-126.7	0.58
GMA3-9	5.0	7.05	6.02	0.631	31.9	0.20
OBG-2	17.0	12.24	6.61	0.532	-57.7	0.35

Notes:

1. Measurements collected during spring 2005 GMA 3 baseline monitoring program sampling activities conducted between April 7 and May 3, 2005.
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 6
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-2 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-2 Standards	16B-R 04/08/05	51-14 04/15/05	GMA3-2 04/08/05	GMA3-4 04/12/05	GMA3-5 04/13/05
Volatile Organics						
Acetone	50	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.010)
Benzene	2	0.0033 J	ND(0.0050)	0.0070	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Carbon Tetrachloride	0.02	ND(0.0050)	0.0036 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chlorobenzene	1	0.015	ND(0.0050)	0.0011 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Ethylbenzene	30	ND(0.0050)	ND(0.0050)	0.0017 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methylene Chloride	50	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Toluene	6	ND(0.0050)	ND(0.0050)	0.0027 J	0.0021 J [0.0042 J]	0.00087 J
Trichlorofluoromethane	Not Listed	ND(0.0050) J	ND(0.0050)	ND(0.0050) J	ND(0.0050) [ND(0.0050)]	0.0024 J
Total VOCs	5	0.018 J	0.0036 J	0.013 J	0.0021 J [0.0042 J]	0.0033 J
Semivolatile Organics						
1,3-Dichlorobenzene	10	0.00079 J	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)
1,4-Dichlorobenzene	30	0.0026 J	ND(0.0050)	0.0011 J	ND(0.0050) [ND(0.0050)]	ND(0.010)
Naphthalene	6	0.00077 J	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)

Parameter / Sample ID: / Date Collected:	Method 1 GW-2 Standards	GMA3-6 04/12/05	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
Volatile Organics						
Acetone	50	0.0031 J	ND(0.010) J	ND(0.010) J	0.0037 J	ND(0.010)
Benzene	2	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	0.02	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	1	0.0018 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	30	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	50	0.011	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	6	0.0026 J	ND(0.0050)	ND(0.0050)	0.0013 J	0.00051 J
Trichlorofluoromethane	Not Listed	ND(0.0050)	ND(0.0050) J	ND(0.0050) J	ND(0.0050)	ND(0.0050)
Total VOCs	5	0.019 J	ND(0.20)	ND(0.20)	0.0050 J	0.00051 J
Semivolatile Organics						
1,3-Dichlorobenzene	10	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dichlorobenzene	30	0.0035 J	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	6	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)

Notes:
1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to SGS Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. Only volatile and semivolatile analysis is presented for the MCP Method 1 GW-2 Standards Comparison.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Field duplicate sample results are presented in brackets.
6. Only volatile and semivolatile constituents detected in at least one sample are summarized.

Data Qualifiers:

Organics (volatiles, semivolatiles)
J - Indicates that the associated numerical value is an estimated concentration.

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	6B-R 04/06/05	54B-R 04/27/05	78B-R 04/07/05
Volatile Organics				
1,1,2,2-Tetrachloroethane	20	ND(0.0050)	ND(0.0050)	ND(0.10)
1,1-Dichloroethane	50	ND(0.0050)	ND(0.0050)	ND(0.10)
Acetone	50	ND(0.010)	ND(0.010)	ND(0.10)
Benzene	7	ND(0.0050)	ND(0.0050)	1.6
Chlorobenzene	0.5	ND(0.0050)	ND(0.0050)	2.0
Methylene Chloride	50	ND(0.0050)	ND(0.0050)	ND(0.10)
Toluene	50	ND(0.0050)	0.0060	ND(0.10)
Trichlorofluoromethane	Not Listed	ND(0.0050) J	ND(0.0050)	ND(0.10)
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	0.000047 J	ND(0.000065)	0.00021 J
Aroclor-1260	Not Applicable	ND(0.000065)	ND(0.000065)	ND(0.00050)
Total PCBs	Not Applicable	0.000047 J	ND(0.000065)	0.00021 J
PCBs-Filtered				
Aroclor-1254	Not Listed	0.000037 J	ND(0.000065)	0.000055 J
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.0003	0.000037 J	ND(0.000065)	0.000055 J
Semivolatile Organics				
1,2,4-Trichlorobenzene	0.5	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	8	ND(0.010)	ND(0.010)	0.0026 J
1,3-Dichlorobenzene	8	ND(0.010)	ND(0.010)	0.0045 J
1,4-Dichlorobenzene	8	ND(0.010)	ND(0.010)	0.021
2-Chlorophenol	40	ND(0.010)	ND(0.010)	0.0071 J
2-Methylnaphthalene	3	ND(0.010)	ND(0.010)	0.020
Acenaphthene	5	ND(0.010)	ND(0.010)	0.012
Anthracene	3	ND(0.010)	ND(0.010)	0.0020 J
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010)	0.011
Fluoranthene	0.2	ND(0.010)	ND(0.010)	0.0018 J
Fluorene	3	ND(0.010)	ND(0.010)	0.010
Naphthalene	6	ND(0.010)	ND(0.010)	0.027
Phenanthrene	0.05	ND(0.010)	ND(0.010)	0.014
Phenol	30	ND(0.010)	ND(0.010)	0.013
Pyrene	3	ND(0.010)	ND(0.010)	0.0011 J
Organochlorine Pesticides				
None Detected	--	--	--	--
Organophosphate Pesticides				
None Detected	--	--	--	--
Herbicides				
2,4-D	Not Listed	ND(0.010)	ND(0.010)	0.00055 J
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000020)	ND(0.0000000021)	ND(0.0000000017)
TCDFs (total)	Not Listed	ND(0.0000000020)	ND(0.0000000021)	ND(0.0000000024)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000042)	ND(0.0000000018)	ND(0.0000000031)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000043)	ND(0.0000000017)	ND(0.0000000032)
PeCDFs (total)	Not Listed	ND(0.0000000043)	ND(0.0000000022)	ND(0.0000000040)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000039)	ND(0.0000000017)	ND(0.0000000035)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000032)	ND(0.0000000017)	ND(0.0000000029)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000043)	ND(0.0000000019)	ND(0.0000000039)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000038)	ND(0.0000000018)	ND(0.0000000034)
HxCDFs (total)	Not Listed	ND(0.0000000043)	ND(0.0000000019)	ND(0.0000000039)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000033)	ND(0.0000000033)	ND(0.0000000030)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000042)	ND(0.0000000012)	ND(0.0000000037)
HpCDFs (total)	Not Listed	ND(0.0000000042)	ND(0.0000000044)	ND(0.0000000037)
OCDF	Not Listed	ND(0.0000000092)	ND(0.0000000055)	ND(0.0000000060)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	6B-R 04/06/05	54B-R 04/27/05	78B-R 04/07/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000032)	ND(0.0000000019)	ND(0.0000000022)
TCDDs (total)	Not Listed	ND(0.0000000032)	ND(0.0000000019)	ND(0.0000000022)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000067)	ND(0.0000000026)	ND(0.0000000045)
PeCDDs (total)	Not Listed	ND(0.0000000067)	ND(0.0000000026)	ND(0.0000000046)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000062)	ND(0.0000000018)	ND(0.0000000046)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000048)	ND(0.0000000017)	ND(0.0000000035)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000016)	ND(0.0000000038)
HxCDDs (total)	Not Listed	ND(0.0000000062)	ND(0.0000000018)	ND(0.0000000046)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000054)	ND(0.0000000046)	ND(0.0000000044)
HpCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000046)	ND(0.0000000044)
OCDD	Not Listed	ND(0.000000014)	0.000000058 J	ND(0.0000000083)
Total TEQs (WHO TEFs)	0.0000001	0.0000000079	0.0000000035	0.0000000056
Inorganics-Unfiltered				
Antimony	Not Applicable	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	Not Applicable	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Barium	Not Applicable	0.0310 B	0.210	1.90
Beryllium	Not Applicable	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	Not Applicable	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	Not Applicable	ND(0.0100)	ND(0.01)	ND(0.0100)
Cobalt	Not Applicable	ND(0.0500)	ND(0.05)	ND(0.0500)
Copper	Not Applicable	ND(0.025)	ND(0.025)	ND(0.0250)
Cyanide	Not Applicable	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	Not Applicable	ND(0.00300) J	ND(0.00300)	ND(0.00300) J
Mercury	Not Applicable	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	Not Applicable	ND(0.0400)	ND(0.04)	0.0260 B
Selenium	Not Applicable	ND(0.00500)	ND(0.00500) J	ND(0.00500)
Silver	Not Applicable	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	Not Applicable	ND(5.0)	ND(5.0)	ND(5.0)
Vanadium	Not Applicable	ND(0.0500)	0.00260 B	ND(0.0500)
Zinc	Not Applicable	0.0230	ND(0.02)	0.0160 B
Inorganics-Filtered				
Antimony	0.3	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	0.4	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	30	0.0290 B	0.160 B	1.70
Beryllium	0.05	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.01	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	2	ND(0.0100)	0.00220 B	ND(0.0100)
Cobalt	Not Listed	ND(0.0500)	0.00420 B	ND(0.0500)
Copper	Not Listed	0.00420 B	0.00620 B	ND(0.0250)
Cyanide	0.01	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	0.03	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	0.001	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.08	ND(0.0400)	0.00400 B	0.0220 B
Selenium	0.08	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	0.007	ND(0.00500)	0.00290 B	ND(0.00500)
Vanadium	2	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.9	0.0250	0.0100 B	ND(0.0200)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	82B-R 04/11/05	89B 05/03/05
Volatile Organics			
1,1,2,2-Tetrachloroethane	20	ND(0.0050)	ND(0.10) [ND(0.10)]
1,1-Dichloroethane	50	0.0011 J	ND(0.10) [ND(0.10)]
Acetone	50	ND(0.010) J	ND(0.10) [ND(0.10)]
Benzene	7	0.0020 J	0.16 [0.17]
Chlorobenzene	0.5	0.00051 J	1.4 [1.3]
Methylene Chloride	50	ND(0.0050)	ND(0.10) [ND(0.10)]
Toluene	50	0.0076	ND(0.10) [ND(0.10)]
Trichlorofluoromethane	Not Listed	ND(0.0050) J	ND(0.10) J [ND(0.10) J]
PCBs-Unfiltered			
Aroclor-1254	Not Applicable	0.00043	ND(0.000065) [0.000075]
Aroclor-1260	Not Applicable	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Total PCBs	Not Applicable	0.00043	ND(0.000065) [0.000075]
PCBs-Filtered			
Aroclor-1254	Not Listed	0.00030	ND(0.000065) [ND(0.000065)]
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Total PCBs	0.0003	0.00030	ND(0.000065) [ND(0.000065)]
Semivolatile Organics			
1,2,4-Trichlorobenzene	0.5	ND(0.010)	ND(0.010) [ND(0.010)]
1,2-Dichlorobenzene	8	0.0079 J	ND(0.010) [0.0012 J]
1,3-Dichlorobenzene	8	ND(0.010)	ND(0.010) [ND(0.010)]
1,4-Dichlorobenzene	8	ND(0.010)	0.0060 J [0.0073 J]
2-Chlorophenol	40	ND(0.010)	0.0049 J [0.0068 J]
2-Methylnaphthalene	3	ND(0.010)	ND(0.010) [ND(0.010)]
Acenaphthene	5	ND(0.010)	ND(0.010) [ND(0.010)]
Anthracene	3	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010) [ND(0.010)]
Fluoranthene	0.2	ND(0.010)	ND(0.010) [ND(0.010)]
Fluorene	3	ND(0.010)	ND(0.010) [ND(0.010)]
Naphthalene	6	ND(0.010)	0.0033 J [0.0042 J]
Phenanthrene	0.05	ND(0.010)	ND(0.010) [ND(0.010)]
Phenol	30	ND(0.010)	ND(0.010) [ND(0.010)]
Pyrene	3	ND(0.010)	ND(0.010) [ND(0.010)]
Organochlorine Pesticides			
None Detected	--	--	--
Organophosphate Pesticides			
None Detected	--	--	--
Herbicides			
2,4-D	Not Listed	ND(0.010)	ND(0.010) [ND(0.010)]
Furans			
2,3,7,8-TCDF	Not Listed	ND(0.0000000021)	ND(0.0000000017) [ND(0.0000000020)]
TCDFs (total)	Not Listed	ND(0.0000000021)	ND(0.0000000017) [ND(0.0000000032)]
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000044)	ND(0.0000000013) [ND(0.0000000016)]
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000045)	ND(0.0000000013) [ND(0.0000000016)]
PeCDFs (total)	Not Listed	ND(0.0000000045)	ND(0.0000000017) [ND(0.0000000020)]
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000017) [ND(0.0000000017)]
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000042)	ND(0.0000000017) [ND(0.0000000017)]
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000056)	ND(0.0000000019) [ND(0.0000000019)]
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000018) [ND(0.0000000019)]
HxCDFs (total)	Not Listed	ND(0.0000000056)	ND(0.0000000019) [ND(0.0000000019)]
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000039)	ND(0.0000000026) [ND(0.0000000018)]
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000049)	ND(0.0000000010) [ND(0.0000000010)]
HpCDFs (total)	Not Listed	ND(0.0000000049)	ND(0.0000000026) [ND(0.0000000018)]
OCDF	Not Listed	ND(0.0000000099)	ND(0.0000000032) [ND(0.0000000023)]

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	82B-R 04/11/05	89B 05/03/05
Dioxins			
2,3,7,8-TCDD	Not Listed	ND(0.0000000028)	ND(0.0000000011) [ND(0.0000000014)]
TCDDs (total)	Not Listed	ND(0.0000000028)	ND(0.0000000011) [ND(0.0000000014)]
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000074)	ND(0.0000000022) [ND(0.0000000029)]
PeCDDs (total)	Not Listed	ND(0.0000000074)	ND(0.0000000022) [ND(0.0000000029)]
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000066)	ND(0.0000000015) [ND(0.0000000020)]
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000014) [ND(0.0000000019)]
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000055)	ND(0.0000000014) [ND(0.0000000018)]
HxCDDs (total)	Not Listed	ND(0.0000000066)	ND(0.0000000015) [ND(0.0000000020)]
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000077)	ND(0.0000000052) [ND(0.0000000061)]
HpCDDs (total)	Not Listed	ND(0.0000000077)	ND(0.0000000062) [ND(0.0000000065)]
OCDD	Not Listed	ND(0.000000011)	ND(0.000000035) [ND(0.000000051)]
Total TEQs (WHO TEFs)	0.0000001	0.0000000084	0.0000000027 [0.0000000034]
Inorganics-Unfiltered			
Antimony	Not Applicable	ND(0.0600)	0.00770 B [ND(0.0600)]
Arsenic	Not Applicable	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Barium	Not Applicable	0.0590 B	0.0630 B [0.0590 B]
Beryllium	Not Applicable	ND(0.00100)	ND(0.00100) [ND(0.00100)]
Cadmium	Not Applicable	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Chromium	Not Applicable	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Cobalt	Not Applicable	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Copper	Not Applicable	ND(0.0250)	ND(0.0250) [ND(0.0250)]
Cyanide	Not Applicable	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Lead	Not Applicable	ND(0.00300) J	ND(0.00300) [ND(0.00300)]
Mercury	Not Applicable	ND(0.000200)	ND(0.000200) [ND(0.000200)]
Nickel	Not Applicable	ND(0.0400)	ND(0.0400) [ND(0.0400)]
Selenium	Not Applicable	ND(0.00500)	ND(0.00500) J [ND(0.00500) J]
Silver	Not Applicable	ND(0.005)	ND(0.00500) [ND(0.00500)]
Sulfide	Not Applicable	3.20 B	ND(5.0) [ND(5.0)]
Vanadium	Not Applicable	0.00280 B	0.00170 B [0.00140 B]
Zinc	Not Applicable	ND(0.020)	ND(0.020) [ND(0.020)]
Inorganics-Filtered			
Antimony	0.3	ND(0.0600)	ND(0.0600) [ND(0.0600)]
Arsenic	0.4	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Barium	30	0.0360 B	0.0620 B [0.0630 B]
Beryllium	0.05	ND(0.00100)	ND(0.00100) [ND(0.00100)]
Cadmium	0.01	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Chromium	2	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Cobalt	Not Listed	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Copper	Not Listed	ND(0.0250)	ND(0.0250) [ND(0.0250)]
Cyanide	0.01	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Lead	0.03	ND(0.00300)	ND(0.00300) [ND(0.00300)]
Mercury	0.001	ND(0.000200)	ND(0.000200) [ND(0.000200)]
Nickel	0.08	ND(0.0400)	ND(0.0400) [ND(0.0400)]
Selenium	0.08	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Silver	0.007	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Vanadium	2	ND(0.0500)	0.00180 B [0.00160 B]
Zinc	0.9	0.00240 B	ND(0.0200) [0.00410 B]

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	90B 04/14/05	95B-R 04/21/05	111B-R 04/21/05
Volatile Organics				
1,1,2,2-Tetrachloroethane	20	ND(0.0050)	ND(0.010)	0.00058 J
1,1-Dichloroethane	50	ND(0.0050)	ND(0.010)	ND(0.0050)
Acetone	50	ND(0.010)	ND(0.010)	ND(0.010)
Benzene	7	ND(0.0050)	0.047	ND(0.0050)
Chlorobenzene	0.5	ND(0.0050)	0.37	0.0030 J
Methylene Chloride	50	ND(0.0050)	ND(0.010)	ND(0.0050)
Toluene	50	ND(0.0050)	ND(0.010)	0.0014 J
Trichlorofluoromethane	Not Listed	ND(0.0050)	ND(0.010)	ND(0.0050)
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	ND(0.000065)	0.00010	0.000028 J
Aroclor-1260	Not Applicable	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	Not Applicable	ND(0.000065)	0.00010	0.000028 J
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	0.000060 J	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.0003	ND(0.000065)	0.000060 J	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	0.5	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	8	ND(0.010)	0.0012 J	ND(0.010)
1,3-Dichlorobenzene	8	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	8	ND(0.010)	0.0046 J	ND(0.010)
2-Chlorophenol	40	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	3	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	5	ND(0.010)	ND(0.010)	ND(0.010)
Anthracene	3	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010)	ND(0.010)
Fluoranthene	0.2	ND(0.010)	ND(0.010)	ND(0.010)
Fluorene	3	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	6	ND(0.010)	ND(0.010)	ND(0.010)
Phenanthrene	0.05	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	30	ND(0.010)	ND(0.010)	ND(0.010)
Pyrene	3	ND(0.010)	ND(0.010)	ND(0.010)
Organochlorine Pesticides				
None Detected	--	--	--	NA
Organophosphate Pesticides				
None Detected	--	--	--	NA
Herbicides				
2,4-D	Not Listed	ND(0.010)	ND(0.010)	NA
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000079)	ND(0.0000000018)	ND(0.0000000022)
TCDFs (total)	Not Listed	ND(0.0000000079)	ND(0.0000000018)	ND(0.0000000022)
1,2,3,7,8-PeCDF	Not Listed	ND(0.000000011)	ND(0.0000000040)	ND(0.0000000039)
2,3,4,7,8-PeCDF	Not Listed	ND(0.000000011)	ND(0.0000000040)	ND(0.0000000040)
PeCDFs (total)	Not Listed	ND(0.000000011)	ND(0.0000000040)	ND(0.0000000040)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000082)	ND(0.0000000037)	ND(0.0000000036)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000067)	ND(0.0000000030)	ND(0.0000000029)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000090)	ND(0.0000000040)	ND(0.0000000039)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000080)	ND(0.0000000036)	ND(0.0000000035)
HxCDFs (total)	Not Listed	ND(0.0000000090)	ND(0.0000000040)	ND(0.0000000039)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000067)	ND(0.0000000044)	ND(0.0000000039)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000084)	ND(0.0000000056)	ND(0.0000000049)
HpCDFs (total)	Not Listed	ND(0.0000000084)	ND(0.0000000056)	ND(0.0000000049)
OCDF	Not Listed	ND(0.000000014)	ND(0.000000010)	ND(0.000000011)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	90B 04/14/05	95B-R 04/21/05	111B-R 04/21/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000082)	ND(0.0000000027)	ND(0.0000000030)
TCDDs (total)	Not Listed	ND(0.0000000082)	ND(0.0000000027)	ND(0.0000000030)
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000016)	ND(0.0000000058)	ND(0.0000000062)
PeCDDs (total)	Not Listed	ND(0.000000016)	ND(0.0000000058)	ND(0.0000000062)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.000000012)	ND(0.0000000068)	ND(0.0000000058)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000093)	ND(0.0000000052)	ND(0.0000000045)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.000000010)	ND(0.0000000056)	ND(0.0000000049)
HxCDDs (total)	Not Listed	ND(0.000000012)	ND(0.0000000068)	ND(0.0000000058)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000012)	ND(0.0000000062)	ND(0.0000000076)
HpCDDs (total)	Not Listed	ND(0.000000012)	ND(0.0000000062)	ND(0.0000000076)
OCDD	Not Listed	ND(0.000000013)	ND(0.000000012)	ND(0.0000000094)
Total TEQs (WHO TEFs)	0.0000001	0.000000019	0.0000000071	0.0000000073
Inorganics-Unfiltered				
Antimony	Not Applicable	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	Not Applicable	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Barium	Not Applicable	0.0210 B	0.0770 B	0.0290 B
Beryllium	Not Applicable	ND(0.00100)	ND(0.001)	ND(0.001)
Cadmium	Not Applicable	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	Not Applicable	0.00330 B	ND(0.0100)	0.00220 B
Cobalt	Not Applicable	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	Not Applicable	ND(0.0250)	ND(0.0250)	0.00150 B
Cyanide	Not Applicable	ND(0.0100)	ND(0.0100)	0.00330 B
Lead	Not Applicable	ND(0.00300) J	ND(0.00300)	ND(0.00300)
Mercury	Not Applicable	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	Not Applicable	0.00180 B	ND(0.0400)	ND(0.0400)
Selenium	Not Applicable	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	Not Applicable	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	Not Applicable	ND(5.00)	ND(5.0)	ND(5.0)
Vanadium	Not Applicable	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	Not Applicable	ND(0.020)	ND(0.0200) J	ND(0.0200) J
Inorganics-Filtered				
Antimony	0.3	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	0.4	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	30	0.0210 B	0.0760 B	0.0280 B
Beryllium	0.05	ND(0.00100)	ND(0.00100)	0.000340 B
Cadmium	0.01	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	2	0.00260 B	ND(0.0100)	0.00120 B
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	Not Listed	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	0.01	ND(0.0100)	ND(0.0100)	0.00190 B
Lead	0.03	ND(0.00300)	ND(0.00300)	0.00460
Mercury	0.001	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.08	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	0.08	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	0.007	ND(0.00500)	ND(0.00500)	ND(0.00500)
Vanadium	2	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.9	ND(0.0200)	ND(0.0200)	ND(0.0200)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	114B-R 04/21/05	GMA3-3 04/13/05	GMA3-5 04/13/05
Volatile Organics				
1,1,2,2-Tetrachloroethane	20	ND(0.050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	50	ND(0.050)	ND(0.0050)	ND(0.0050)
Acetone	50	ND(0.050)	ND(0.010)	ND(0.010)
Benzene	7	ND(0.050)	0.00094 J	ND(0.0050)
Chlorobenzene	0.5	1.4	0.0095	ND(0.0050)
Methylene Chloride	50	ND(0.050)	ND(0.0050)	ND(0.0050)
Toluene	50	ND(0.050)	ND(0.0050)	0.00087 J
Trichlorofluoromethane	Not Listed	ND(0.050)	ND(0.0050)	0.0024 J
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	0.000030 J	0.00052	ND(0.000065)
Aroclor-1260	Not Applicable	ND(0.000065)	0.000097	ND(0.000065)
Total PCBs	Not Applicable	0.000030 J	0.000617	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	0.00013	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.0003	ND(0.000065)	0.00013	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	0.5	0.0018 J	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	8	0.012	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	8	0.0039 J	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	8	0.028	ND(0.010)	ND(0.010)
2-Chlorophenol	40	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	3	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	5	ND(0.010)	0.0023 J	ND(0.010)
Anthracene	3	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010)	ND(0.010)
Fluoranthene	0.2	ND(0.010)	ND(0.010)	ND(0.010)
Fluorene	3	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	6	ND(0.010)	ND(0.010)	ND(0.010)
Phenanthrene	0.05	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	30	ND(0.010)	ND(0.010)	ND(0.010)
Pyrene	3	ND(0.010)	ND(0.010)	ND(0.010)
Organochlorine Pesticides				
None Detected	--	--	--	NA
Organophosphate Pesticides				
None Detected	--	--	--	NA
Herbicides				
2,4-D	Not Listed	ND(0.010)	ND(0.010)	NA
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000040)	ND(0.0000000078)	ND(0.0000000023)
TCDFs (total)	Not Listed	ND(0.0000000040)	ND(0.0000000078)	ND(0.0000000023)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000089)	ND(0.000000011)	ND(0.0000000034)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000090)	ND(0.000000011)	ND(0.0000000035)
PeCDFs (total)	Not Listed	ND(0.0000000090)	ND(0.000000011)	ND(0.0000000035)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000077)	ND(0.0000000086)	ND(0.0000000025)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000064)	ND(0.0000000070)	ND(0.0000000021)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000085)	ND(0.0000000094)	ND(0.0000000028)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000076)	ND(0.0000000084)	ND(0.0000000025)
HxCDFs (total)	Not Listed	ND(0.0000000085)	ND(0.0000000094)	ND(0.0000000028)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000086)	ND(0.0000000064)	ND(0.0000000054)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.000000011)	ND(0.0000000081)	ND(0.0000000068)
HpCDFs (total)	Not Listed	ND(0.000000011)	ND(0.0000000081)	ND(0.0000000068)
OCDF	Not Listed	ND(0.000000023)	ND(0.000000017)	ND(0.0000000041)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	114B-R 04/21/05	GMA3-3 04/13/05	GMA3-5 04/13/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000060)	ND(0.0000000089)	ND(0.0000000026)
TCDDs (total)	Not Listed	ND(0.0000000060)	ND(0.0000000089)	ND(0.0000000026)
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000013)	ND(0.000000015)	ND(0.0000000048)
PeCDDs (total)	Not Listed	ND(0.000000013)	ND(0.000000015)	ND(0.0000000048)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.000000013)	ND(0.000000013)	ND(0.0000000043)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000099)	ND(0.000000010)	ND(0.0000000033)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.000000011)	ND(0.000000011)	ND(0.0000000036)
HxCDDs (total)	Not Listed	ND(0.000000013)	ND(0.000000013)	ND(0.0000000043)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000013)	ND(0.000000012)	ND(0.0000000035)
HpCDDs (total)	Not Listed	ND(0.000000013)	ND(0.000000012)	ND(0.0000000035)
OCDD	Not Listed	ND(0.000000022)	ND(0.000000019)	ND(0.0000000072)
Total TEQs (WHO TEFs)	0.0000001	0.000000016	0.000000019	0.0000000059
Inorganics-Unfiltered				
Antimony	Not Applicable	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	Not Applicable	ND(0.0100) J	0.00420 B	ND(0.0100)
Barium	Not Applicable	0.170 B	0.100 B	0.0270 B
Beryllium	Not Applicable	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	Not Applicable	ND(0.00500)	ND(0.00500)	0.000720 B
Chromium	Not Applicable	0.00460 B	ND(0.0100)	ND(0.0100)
Cobalt	Not Applicable	ND(0.0500)	ND(0.0500)	0.00770 B
Copper	Not Applicable	ND(0.0250)	0.00170 B	0.00150 B
Cyanide	Not Applicable	0.00170 B	0.00530 B	ND(0.0100)
Lead	Not Applicable	ND(0.00300)	ND(0.00300) J	ND(0.00300) J
Mercury	Not Applicable	0.0000500 B	ND(0.000200)	ND(0.000200)
Nickel	Not Applicable	0.00210 B	0.00680 B	0.00270 B
Selenium	Not Applicable	ND(0.00500) J	ND(0.00500) J	0.00540 J
Silver	Not Applicable	ND(0.00500)	ND(0.005)	ND(0.005)
Sulfide	Not Applicable	ND(5.00)	ND(5.0)	ND(5.0)
Vanadium	Not Applicable	ND(0.0500)	0.00220 B	0.00280 B
Zinc	Not Applicable	ND(0.0200) J	ND(0.020)	ND(0.020)
Inorganics-Filtered				
Antimony	0.3	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	0.4	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	30	0.170 B	0.100 B	0.0300 B
Beryllium	0.05	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.01	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	2	0.00120 B	ND(0.0100)	ND(0.0100)
Cobalt	Not Listed	ND(0.0500)	0.00140 B	0.00950 B
Copper	Not Listed	ND(0.0250)	0.00200 B	0.00190 B
Cyanide	0.01	ND(0.0100)	0.00490 B	ND(0.0100)
Lead	0.03	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	0.001	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.08	ND(0.0400)	0.00590 B	0.00260 B
Selenium	0.08	ND(0.00500)	ND(0.00500)	0.00540
Silver	0.007	ND(0.00500)	ND(0.00500)	ND(0.00500)
Vanadium	2	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.9	ND(0.0200)	0.0100 B	0.00360 B

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	GMA3-6 04/12/05	GMA3-7 04/11/05
Volatile Organics			
1,1,2,2-Tetrachloroethane	20	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	50	ND(0.0050)	ND(0.0050)
Acetone	50	0.0031 J	ND(0.010) J
Benzene	7	ND(0.0050)	ND(0.0050)
Chlorobenzene	0.5	0.0018 J	ND(0.0050)
Methylene Chloride	50	0.011	ND(0.0050)
Toluene	50	0.0026 J	ND(0.0050)
Trichlorofluoromethane	Not Listed	ND(0.0050)	ND(0.0050) J
PCBs-Unfiltered			
Aroclor-1254	Not Applicable	ND(0.000065)	0.00011
Aroclor-1260	Not Applicable	ND(0.000065)	ND(0.000065)
Total PCBs	Not Applicable	ND(0.000065)	0.00011
PCBs-Filtered			
Aroclor-1254	Not Listed	ND(0.000065)	0.000041 J
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)
Total PCBs	0.0003	ND(0.000065)	0.000041 J
Semivolatile Organics			
1,2,4-Trichlorobenzene	0.5	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	8	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	8	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	8	0.0035 J	ND(0.010)
2-Chlorophenol	40	ND(0.010)	ND(0.010)
2-Methylnaphthalene	3	ND(0.010)	ND(0.010)
Acenaphthene	5	ND(0.010)	ND(0.010)
Anthracene	3	ND(0.010)	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010)
Fluoranthene	0.2	ND(0.010)	ND(0.010)
Fluorene	3	ND(0.010)	ND(0.010)
Naphthalene	6	ND(0.010)	ND(0.010)
Phenanthrene	0.05	ND(0.010)	ND(0.010)
Phenol	30	ND(0.010)	ND(0.010)
Pyrene	3	ND(0.010)	ND(0.010)
Organochlorine Pesticides			
None Detected	--	NA	NA
Organophosphate Pesticides			
None Detected	--	NA	NA
Herbicides			
2,4-D	Not Listed	NA	NA
Furans			
2,3,7,8-TCDF	Not Listed	ND(0.0000000047)	ND(0.0000000014)
TCDFs (total)	Not Listed	ND(0.0000000047)	ND(0.0000000014)
1,2,3,7,8-PeCDF	Not Listed	ND(0.000000016)	ND(0.0000000032)
2,3,4,7,8-PeCDF	Not Listed	ND(0.000000016)	ND(0.0000000033)
PeCDFs (total)	Not Listed	ND(0.000000016)	ND(0.0000000033)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000012)	ND(0.0000000032)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000097)	ND(0.0000000027)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000013)	ND(0.0000000036)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000012)	ND(0.0000000032)
HxCDFs (total)	Not Listed	ND(0.000000013)	ND(0.0000000036)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000090)	ND(0.0000000029)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.000000011)	ND(0.0000000035)
HpCDFs (total)	Not Listed	ND(0.000000011)	ND(0.0000000035)
OCDF	Not Listed	ND(0.000000020)	ND(0.0000000074)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	GMA3-6 04/12/05	GMA3-7 04/11/05
Dioxins			
2,3,7,8-TCDD	Not Listed	ND(0.0000000064)	ND(0.0000000020)
TCDDs (total)	Not Listed	ND(0.0000000064)	ND(0.0000000020)
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000021)	ND(0.0000000053)
PeCDDs (total)	Not Listed	ND(0.000000021)	ND(0.0000000053)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.000000017)	ND(0.0000000051)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.000000013)	ND(0.0000000041)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.000000014)	ND(0.0000000045)
HxCDDs (total)	Not Listed	ND(0.000000017)	ND(0.0000000054)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000015)	ND(0.0000000046)
HpCDDs (total)	Not Listed	ND(0.000000015)	ND(0.0000000046)
OCDD	Not Listed	ND(0.000000018)	ND(0.0000000096)
Total TEQs (WHO TEFs)	0.0000001	0.000000023	0.0000000060
Inorganics-Unfiltered			
Antimony	Not Applicable	ND(0.0600)	ND(0.0600)
Arsenic	Not Applicable	ND(0.0100)	ND(0.0100)
Barium	Not Applicable	0.180 B	0.0870 B
Beryllium	Not Applicable	ND(0.00100)	ND(0.00100)
Cadmium	Not Applicable	ND(0.00500)	ND(0.00500)
Chromium	Not Applicable	ND(0.0100)	ND(0.0100)
Cobalt	Not Applicable	ND(0.0500)	ND(0.0500)
Copper	Not Applicable	ND(0.0250)	ND(0.0250)
Cyanide	Not Applicable	ND(0.0100)	0.00240 B
Lead	Not Applicable	0.00180 J	ND(0.00300) J
Mercury	Not Applicable	ND(0.000200)	ND(0.000200)
Nickel	Not Applicable	ND(0.0400)	ND(0.0400)
Selenium	Not Applicable	ND(0.00500)	ND(0.00500)
Silver	Not Applicable	ND(0.005)	ND(0.0050)
Sulfide	Not Applicable	ND(5.0)	3.20 B
Vanadium	Not Applicable	ND(0.0500)	ND(0.0500)
Zinc	Not Applicable	ND(0.0200) J	ND(0.020)
Inorganics-Filtered			
Antimony	0.3	ND(0.0600)	ND(0.0600)
Arsenic	0.4	ND(0.0100)	ND(0.0100)
Barium	30	0.160 B	0.0920 B
Beryllium	0.05	ND(0.00100)	ND(0.00100)
Cadmium	0.01	ND(0.00500)	ND(0.00500)
Chromium	2	ND(0.0100)	ND(0.0100)
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)
Copper	Not Listed	ND(0.0250)	ND(0.0250)
Cyanide	0.01	ND(0.0100)	0.00190 B
Lead	0.03	ND(0.00300)	ND(0.00300)
Mercury	0.001	ND(0.000200)	ND(0.000200)
Nickel	0.08	ND(0.0400)	ND(0.0400)
Selenium	0.08	ND(0.00500)	ND(0.00500)
Silver	0.007	ND(0.00500)	0.00100 B
Vanadium	2	ND(0.0500)	0.00240 B
Zinc	0.9	ND(0.0200)	0.00320 B

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, Appendix IX+3 constituents and Natural Attenuation Parameters.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.
8. - Indicates that all constituents for the parameter group were not detected.
9. Shading indicates that value exceeds GW-3 Standards.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, pesticides, herbicides, dioxin/furans)

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

Inorganic Parameters

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
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	2A 04/07/05	6B-R 04/06/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05
Volatile Organics						
1,1,2,2-Tetrachloroethane	100	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	100	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	Not Listed	ND(5.0) J	ND(0.20) J	ND(1.0) J	ND(0.20) J	ND(0.20) J
Acetone	100	ND(5.0)	ND(0.010)	ND(1.0) J	ND(0.010) J	ND(0.010)
Benzene	70	27	ND(0.0050)	13	0.0033 J	0.0039 J
Carbon Disulfide	Not Listed	ND(5.0)	ND(0.0050) J	ND(1.0)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	100	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)
Chlorobenzene	10	120	ND(0.0050)	26	0.015	0.013
Chloroform	100	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	0.00064 J
Ethylbenzene	100	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)
Methylene Chloride	100	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)
Toluene	100	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	0.0026 J
trans-1,2-Dichloroethene	100	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	0.00096 J
Trichloroethene	100	12	ND(0.0050)	ND(1.0)	ND(0.0050)	0.0020 J
Trichlorofluoromethane	Not Listed	ND(5.0)	ND(0.0050) J	ND(1.0) J	ND(0.0050) J	ND(0.0050)
PCBs-Unfiltered						
Aroclor-1254	Not Listed	NA	0.000047 J	NA	NA	NA
Aroclor-1260	Not Listed	NA	ND(0.000065)	NA	NA	NA
Total PCBs	0.005	NA	0.000047 J	NA	NA	NA
PCBs-Filtered						
Aroclor-1254	Not Listed	NA	0.000037 J	NA	NA	NA
Aroclor-1260	Not Listed	NA	ND(0.000065)	NA	NA	NA
Total PCBs	0.005	NA	0.000037 J	NA	NA	NA
Semivolatile Organics						
1,2,4-Trichlorobenzene	100	NA	ND(0.010)	NA	ND(0.0050)	NA
1,2-Dichlorobenzene	100	NA	ND(0.010)	NA	ND(0.0050)	NA
1,3-Dichlorobenzene	100	NA	ND(0.010)	NA	0.00079 J	NA
1,4-Dichlorobenzene	100	NA	ND(0.010)	NA	0.0026 J	NA
2-Chlorophenol	100	ND(0.010)	ND(0.010)	0.035	NA	NA
2-Methylnaphthalene	100	NA	ND(0.010)	NA	NA	NA
4-Chlorophenol	Not Listed	1.8	NA	0.60	NA	NA
Acenaphthene	50	NA	ND(0.010)	NA	NA	NA
Anthracene	30	NA	ND(0.010)	NA	NA	NA
Dibenzofuran	Not Listed	NA	ND(0.010)	NA	NA	NA
Fluoranthene	3	NA	ND(0.010)	NA	NA	NA
Fluorene	30	NA	ND(0.010)	NA	NA	NA
Naphthalene	60	NA	ND(0.010)	NA	0.00077 J	NA
Phenanthrene	3	NA	ND(0.010)	NA	NA	NA
Phenol	100	NA	ND(0.010)	NA	NA	NA
Pyrene	30	NA	ND(0.010)	NA	NA	NA
Organochlorine Pesticides						
None Detected	--	NA	--	NA	NA	NA
Organophosphate Pesticides						
None Detected	--	NA	--	NA	NA	NA
Herbicides						
2,4-D	Not Listed	NA	ND(0.010)	NA	NA	NA
Furans						
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000020)	NA	NA	NA
TCDFs (total)	Not Listed	NA	ND(0.0000000020)	NA	NA	NA
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000042)	NA	NA	NA
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000043)	NA	NA	NA
PeCDFs (total)	Not Listed	NA	ND(0.0000000043)	NA	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.0000000039)	NA	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000032)	NA	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.0000000043)	NA	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000038)	NA	NA	NA
HxCDFs (total)	Not Listed	NA	ND(0.0000000043)	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000033)	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000042)	NA	NA	NA
HpCDFs (total)	Not Listed	NA	ND(0.0000000042)	NA	NA	NA
OCDF	Not Listed	NA	ND(0.0000000092)	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	2A 04/07/05	6B-R 04/06/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05
Dioxins						
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000032)	NA	NA	NA
TCDDs (total)	Not Listed	NA	ND(0.0000000032)	NA	NA	NA
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000067)	NA	NA	NA
PeCDDs (total)	Not Listed	NA	ND(0.0000000067)	NA	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000062)	NA	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000048)	NA	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000052)	NA	NA	NA
HxCDDs (total)	Not Listed	NA	ND(0.0000000062)	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.0000000054)	NA	NA	NA
HpCDDs (total)	Not Listed	NA	ND(0.0000000054)	NA	NA	NA
OCDD	Not Listed	NA	ND(0.000000014)	NA	NA	NA
Total TEQs (WHO TEFs)	0.000001	NA	0.0000000079	NA	NA	NA
Inorganics-Unfiltered						
Antimony	3	NA	ND(0.0600)	NA	NA	NA
Arsenic	4	NA	ND(0.0100)	NA	NA	NA
Barium	100	NA	0.0310 B	NA	NA	NA
Beryllium	0.5	NA	ND(0.00100)	NA	NA	NA
Cadmium	0.1	NA	ND(0.00500)	NA	NA	NA
Chromium	20	NA	ND(0.0100)	NA	NA	NA
Cobalt	Not Listed	NA	ND(0.0500)	NA	NA	NA
Copper	Not Listed	NA	ND(0.025)	NA	NA	NA
Cyanide	2	NA	ND(0.0100)	NA	NA	NA
Lead	0.3	NA	ND(0.00300) J	NA	NA	NA
Mercury	0.02	NA	ND(0.000200)	NA	NA	NA
Nickel	1	NA	ND(0.0400)	NA	NA	NA
Selenium	0.8	NA	ND(0.00500)	NA	NA	NA
Silver	0.4	NA	ND(0.00500)	NA	NA	NA
Sulfide	Not Listed	NA	ND(5.0)	NA	NA	NA
Vanadium	20	NA	ND(0.0500)	NA	NA	NA
Zinc	20	NA	0.0230	NA	NA	NA
Inorganics-Filtered						
Antimony	3	NA	ND(0.0600)	NA	NA	NA
Arsenic	4	NA	ND(0.0100)	NA	NA	NA
Barium	100	NA	0.0290 B	NA	NA	NA
Beryllium	0.5	NA	ND(0.00100)	NA	NA	NA
Cadmium	0.1	NA	ND(0.00500)	NA	NA	NA
Chromium	20	NA	ND(0.0100)	NA	NA	NA
Cobalt	Not Listed	NA	ND(0.0500)	NA	NA	NA
Copper	Not Listed	NA	0.00420 B	NA	NA	NA
Cyanide	2	NA	ND(0.0100)	NA	NA	NA
Lead	0.3	NA	ND(0.00300)	NA	NA	NA
Mercury	0.02	NA	ND(0.000200)	NA	NA	NA
Nickel	1	NA	ND(0.0400)	NA	NA	NA
Selenium	0.8	NA	ND(0.00500)	NA	NA	NA
Silver	0.4	NA	ND(0.00500)	NA	NA	NA
Vanadium	20	NA	ND(0.0500)	NA	NA	NA
Zinc	20	NA	0.0250	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	39B-R 04/07/05	39D 04/07/05	39E 04/13/05	43A 04/12/05	43B 04/07/05
Volatile Organics						
1,1,2,2-Tetrachloroethane	100	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	100	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	Not Listed	ND(0.50) J	ND(0.20) J	ND(0.20) J	0.077 J	ND(0.20) J
Acetone	100	ND(0.50)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzene	70	0.17 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Disulfide	Not Listed	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	100	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	10	12	0.019	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	100	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	100	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	100	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	100	0.29 J	0.0044 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene	100	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	100	0.35 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	Not Listed	ND(0.50)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
PCBs-Unfiltered						
Aroclor-1254	Not Listed	NA	NA	NA	NA	NA
Aroclor-1260	Not Listed	NA	NA	NA	NA	NA
Total PCBs	0.005	NA	NA	NA	NA	NA
PCBs-Filtered						
Aroclor-1254	Not Listed	NA	NA	NA	NA	NA
Aroclor-1260	Not Listed	NA	NA	NA	NA	NA
Total PCBs	0.005	NA	NA	NA	NA	NA
Semivolatile Organics						
1,2,4-Trichlorobenzene	100	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	100	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	100	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	100	NA	NA	NA	NA	NA
2-Chlorophenol	100	0.0096 J	NA	NA	NA	NA
2-Methylnaphthalene	100	NA	NA	NA	NA	NA
4-Chlorophenol	Not Listed	0.60	NA	NA	NA	NA
Acenaphthene	50	NA	NA	NA	NA	NA
Anthracene	30	NA	NA	NA	NA	NA
Dibenzofuran	Not Listed	NA	NA	NA	NA	NA
Fluoranthene	3	NA	NA	NA	NA	NA
Fluorene	30	NA	NA	NA	NA	NA
Naphthalene	60	NA	NA	NA	NA	NA
Phenanthrene	3	NA	NA	NA	NA	NA
Phenol	100	NA	NA	NA	NA	NA
Pyrene	30	NA	NA	NA	NA	NA
Organochlorine Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Herbicides						
2,4-D	--	NA	NA	NA	NA	NA
Furans						
2,3,7,8-TCDF	Not Listed	NA	NA	NA	NA	NA
TCDFs (total)	Not Listed	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	Not Listed	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	Not Listed	NA	NA	NA	NA	NA
PeCDFs (total)	Not Listed	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	NA	NA	NA	NA	NA
HxCDFs (total)	Not Listed	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	NA	NA	NA	NA
HpCDFs (total)	Not Listed	NA	NA	NA	NA	NA
OCDF	Not Listed	NA	NA	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	39B-R 04/07/05	39D 04/07/05	39E 04/13/05	43A 04/12/05	43B 04/07/05
Dioxins						
2,3,7,8-TCDD	Not Listed	NA	NA	NA	NA	NA
TCDDs (total)	Not Listed	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD	Not Listed	NA	NA	NA	NA	NA
PeCDDs (total)	Not Listed	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	NA	NA	NA	NA	NA
HxCDDs (total)	Not Listed	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	NA	NA	NA	NA
HpCDDs (total)	Not Listed	NA	NA	NA	NA	NA
OCDD	Not Listed	NA	NA	NA	NA	NA
Total TEQs (WHO TEFs)	0.000001	NA	NA	NA	NA	NA
Inorganics-Unfiltered						
Antimony	3	NA	NA	NA	NA	NA
Arsenic	4	NA	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA	NA
Beryllium	0.5	NA	NA	NA	NA	NA
Cadmium	0.1	NA	NA	NA	NA	NA
Chromium	20	NA	NA	NA	NA	NA
Cobalt	Not Listed	NA	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA	NA
Cyanide	2	NA	NA	NA	NA	NA
Lead	0.3	NA	NA	NA	NA	NA
Mercury	0.02	NA	NA	NA	NA	NA
Nickel	1	NA	NA	NA	NA	NA
Selenium	0.8	NA	NA	NA	NA	NA
Silver	0.4	NA	NA	NA	NA	NA
Sulfide	Not Listed	NA	NA	NA	NA	NA
Vanadium	20	NA	NA	NA	NA	NA
Zinc	20	NA	NA	NA	NA	NA
Inorganics-Filtered						
Antimony	3	NA	NA	NA	NA	NA
Arsenic	4	NA	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA	NA
Beryllium	0.5	NA	NA	NA	NA	NA
Cadmium	0.1	NA	NA	NA	NA	NA
Chromium	20	NA	NA	NA	NA	NA
Cobalt	Not Listed	NA	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA	NA
Cyanide	2	NA	NA	NA	NA	NA
Lead	0.3	NA	NA	NA	NA	NA
Mercury	0.02	NA	NA	NA	NA	NA
Nickel	1	NA	NA	NA	NA	NA
Selenium	0.8	NA	NA	NA	NA	NA
Silver	0.4	NA	NA	NA	NA	NA
Vanadium	20	NA	NA	NA	NA	NA
Zinc	20	NA	NA	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	51-14 04/15/05	54B-R 04/27/05	78B-R 04/07/05	82B-R 04/11/05
Volatile Organics					
1,1,2,2-Tetrachloroethane	100	ND(0.0050) J	ND(0.0050)	ND(0.10)	ND(0.0050)
1,1-Dichloroethane	100	ND(0.0050)	ND(0.0050)	ND(0.10)	0.0011 J
1,4-Dioxane	Not Listed	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J
Acetone	100	ND(0.010) J	ND(0.010)	ND(0.10)	ND(0.010) J
Benzene	70	ND(0.0050)	ND(0.0050)	1.6	0.0020 J
Carbon Disulfide	Not Listed	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050)
Carbon Tetrachloride	100	0.0036 J	ND(0.0050)	ND(0.10)	ND(0.0050)
Chlorobenzene	10	ND(0.0050)	ND(0.0050)	2.0	0.00051 J
Chloroform	100	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050)
Methylene Chloride	100	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050)
Toluene	100	ND(0.0050)	0.0060	ND(0.10)	0.0076
trans-1,2-Dichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050)
Trichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050)
Trichlorofluoromethane	Not Listed	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050) J
PCBs-Unfiltered					
Aroclor-1254	Not Listed	NA	ND(0.000065)	0.00021 J	0.00043
Aroclor-1260	Not Listed	NA	ND(0.000065)	ND(0.00050)	ND(0.000065)
Total PCBs	0.005	NA	ND(0.000065)	0.00021 J	0.00043
PCBs-Filtered					
Aroclor-1254	Not Listed	NA	ND(0.000065)	0.000055 J	0.00030
Aroclor-1260	Not Listed	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.005	NA	ND(0.000065)	0.000055 J	0.00030
Semivolatile Organics					
1,2,4-Trichlorobenzene	100	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	100	ND(0.0050)	ND(0.010)	0.0026 J	0.0079 J
1,3-Dichlorobenzene	100	ND(0.0050)	ND(0.010)	0.0045 J	ND(0.010)
1,4-Dichlorobenzene	100	ND(0.0050)	ND(0.010)	0.021	ND(0.010)
2-Chlorophenol	100	NA	ND(0.010)	0.0071 J	ND(0.010)
2-Methylnaphthalene	100	NA	ND(0.010)	0.020	ND(0.010)
4-Chlorophenol	Not Listed	NA	NA	NA	NA
Acenaphthene	50	NA	ND(0.010)	0.012	ND(0.010)
Anthracene	30	NA	ND(0.010)	0.0020 J	ND(0.010)
Dibenzofuran	Not Listed	NA	ND(0.010)	0.011	ND(0.010)
Fluoranthene	3	NA	ND(0.010)	0.0018 J	ND(0.010)
Fluorene	30	NA	ND(0.010)	0.010	ND(0.010)
Naphthalene	60	ND(0.0050)	ND(0.010)	0.027	ND(0.010)
Phenanthrene	3	NA	ND(0.010)	0.014	ND(0.010)
Phenol	100	NA	ND(0.010)	0.013	ND(0.010)
Pyrene	30	NA	ND(0.010)	0.0011 J	ND(0.010)
Organochlorine Pesticides					
None Detected	--	NA	--	--	--
Organophosphate Pesticides					
None Detected	--	NA	--	--	--
Herbicides					
2,4-D	--	NA	ND(0.010)	0.00055 J	ND(0.010)
Furans					
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000021)	ND(0.0000000017)	ND(0.0000000021)
TCDFs (total)	Not Listed	NA	ND(0.0000000021)	ND(0.0000000024)	ND(0.0000000021)
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000018)	ND(0.0000000031)	ND(0.0000000044)
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000017)	ND(0.0000000032)	ND(0.0000000045)
PeCDFs (total)	Not Listed	NA	ND(0.0000000022)	ND(0.0000000040)	ND(0.0000000045)
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.0000000017)	ND(0.0000000035)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000017)	ND(0.0000000029)	ND(0.0000000042)
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.0000000019)	ND(0.0000000039)	ND(0.0000000056)
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000018)	ND(0.0000000034)	ND(0.0000000050)
HxCDFs (total)	Not Listed	NA	ND(0.0000000019)	ND(0.0000000039)	ND(0.0000000056)
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000033)	ND(0.0000000030)	ND(0.0000000039)
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000049)
HpCDFs (total)	Not Listed	NA	ND(0.0000000044)	ND(0.0000000037)	ND(0.0000000049)
OCDF	Not Listed	NA	ND(0.0000000055)	ND(0.0000000060)	ND(0.0000000099)

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	51-14 04/15/05	54B-R 04/27/05	78B-R 04/07/05	82B-R 04/11/05
Dioxins					
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000019)	ND(0.0000000022)	ND(0.0000000028)
TCDDs (total)	Not Listed	NA	ND(0.0000000019)	ND(0.0000000022)	ND(0.0000000028)
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000026)	ND(0.0000000045)	ND(0.0000000074)
PeCDDs (total)	Not Listed	NA	ND(0.0000000026)	ND(0.0000000046)	ND(0.0000000074)
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000018)	ND(0.0000000046)	ND(0.0000000066)
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000017)	ND(0.0000000035)	ND(0.0000000051)
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000016)	ND(0.0000000038)	ND(0.0000000055)
HxCDDs (total)	Not Listed	NA	ND(0.0000000018)	ND(0.0000000046)	ND(0.0000000066)
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.0000000046)	ND(0.0000000044)	ND(0.0000000077)
HpCDDs (total)	Not Listed	NA	ND(0.0000000046)	ND(0.0000000044)	ND(0.0000000077)
OCDD	Not Listed	NA	0.000000058 J	ND(0.0000000083)	ND(0.000000011)
Total TEQs (WHO TEFs)	0.000001	NA	0.0000000035	0.0000000056	0.0000000084
Inorganics-Unfiltered					
Antimony	3	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	4	NA	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Barium	100	NA	0.210	1.90	0.0590 B
Beryllium	0.5	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.1	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	20	NA	ND(0.01)	ND(0.0100)	ND(0.0100)
Cobalt	Not Listed	NA	ND(0.05)	ND(0.0500)	ND(0.0500)
Copper	Not Listed	NA	ND(0.025)	ND(0.0250)	ND(0.0250)
Cyanide	2	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	0.3	NA	ND(0.00300)	ND(0.00300) J	ND(0.00300) J
Mercury	0.02	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	1	NA	ND(0.04)	0.0260 B	ND(0.0400)
Selenium	0.8	NA	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Silver	0.4	NA	ND(0.00500)	ND(0.00500)	ND(0.005)
Sulfide	Not Listed	NA	ND(5.0)	ND(5.0)	3.20 B
Vanadium	20	NA	0.00260 B	ND(0.0500)	0.00280 B
Zinc	20	NA	ND(0.02)	0.0160 B	ND(0.020)
Inorganics-Filtered					
Antimony	3	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	4	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	100	NA	0.160 B	1.70	0.0360 B
Beryllium	0.5	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.1	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	20	NA	0.00220 B	ND(0.0100)	ND(0.0100)
Cobalt	Not Listed	NA	0.00420 B	ND(0.0500)	ND(0.0500)
Copper	Not Listed	NA	0.00620 B	ND(0.0250)	ND(0.0250)
Cyanide	2	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	0.3	NA	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	0.02	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	1	NA	0.00400 B	0.0220 B	ND(0.0400)
Selenium	0.8	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	0.4	NA	0.00290 B	ND(0.00500)	ND(0.00500)
Vanadium	20	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	20	NA	0.0100 B	ND(0.0200)	0.00240 B

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	89A 05/02/05	89B 05/03/05	89D-R 4/26-5/2/2005	90A 04/14/05
Volatile Organics					
1,1,2,2-Tetrachloroethane	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.0050)
1,1-Dichloroethane	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.0050)
1,4-Dioxane	Not Listed	ND(1.0) J	ND(0.20) J [ND(0.20) J]	ND(0.20) J	ND(0.20) J
Acetone	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.010)
Benzene	70	5.5	0.16 [0.17]	0.15	ND(0.0050)
Carbon Disulfide	Not Listed	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.0050)
Carbon Tetrachloride	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.0050)
Chlorobenzene	10	16	1.4 [1.3]	0.45	ND(0.0050)
Chloroform	100	ND(1.0)	ND(0.10) [ND(0.10)]	0.024	ND(0.0050)
Ethylbenzene	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.0050)
Methylene Chloride	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.0050)
Toluene	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	0.00072 J
trans-1,2-Dichloroethene	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.0050)
Trichloroethene	100	ND(1.0)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.0050)
Trichlorofluoromethane	Not Listed	ND(1.0)	ND(0.10) J [ND(0.10) J]	ND(0.010)	ND(0.0050)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	NA	ND(0.000065) [0.000075]	NA	NA
Aroclor-1260	Not Listed	NA	ND(0.000065) [ND(0.000065)]	NA	NA
Total PCBs	0.005	NA	ND(0.000065) [0.000075]	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	NA	ND(0.000065) [ND(0.000065)]	NA	NA
Aroclor-1260	Not Listed	NA	ND(0.000065) [ND(0.000065)]	NA	NA
Total PCBs	0.005	NA	ND(0.000065) [ND(0.000065)]	NA	NA
Semivolatile Organics					
1,2,4-Trichlorobenzene	100	NA	ND(0.010) [ND(0.010)]	NA	NA
1,2-Dichlorobenzene	100	NA	ND(0.010) [0.0012 J]	NA	NA
1,3-Dichlorobenzene	100	NA	ND(0.010) [ND(0.010)]	NA	NA
1,4-Dichlorobenzene	100	NA	0.0060 J [0.0073 J]	NA	NA
2-Chlorophenol	100	NA	0.0049 J [0.0068 J]	NA	NA
2-Methylnaphthalene	100	NA	ND(0.010) [ND(0.010)]	NA	NA
4-Chlorophenol	Not Listed	NA	NA	NA	NA
Acenaphthene	50	NA	ND(0.010) [ND(0.010)]	NA	NA
Anthracene	30	NA	ND(0.010) [ND(0.010)]	NA	NA
Dibenzofuran	Not Listed	NA	ND(0.010) [ND(0.010)]	NA	NA
Fluoranthene	3	NA	ND(0.010) [ND(0.010)]	NA	NA
Fluorene	30	NA	ND(0.010) [ND(0.010)]	NA	NA
Naphthalene	60	NA	0.0033 J [0.0042 J]	NA	NA
Phenanthrene	3	NA	ND(0.010) [ND(0.010)]	NA	NA
Phenol	100	NA	ND(0.010) [ND(0.010)]	NA	NA
Pyrene	30	NA	ND(0.010) [ND(0.010)]	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	--	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	--	NA	NA
Herbicides					
2,4-D	--	NA	ND(0.010) [ND(0.010)]	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000017) [ND(0.0000000020)]	NA	NA
TCDFs (total)	Not Listed	NA	ND(0.0000000017) [ND(0.0000000032)]	NA	NA
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000013) [ND(0.0000000016)]	NA	NA
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000013) [ND(0.0000000016)]	NA	NA
PeCDFs (total)	Not Listed	NA	ND(0.0000000017) [ND(0.0000000020)]	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.0000000017) [ND(0.0000000017)]	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000017) [ND(0.0000000017)]	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.0000000019) [ND(0.0000000019)]	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000018) [ND(0.0000000019)]	NA	NA
HxCDFs (total)	Not Listed	NA	ND(0.0000000019) [ND(0.0000000019)]	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000026) [ND(0.0000000018)]	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000010) [ND(0.0000000010)]	NA	NA
HpCDFs (total)	Not Listed	NA	ND(0.0000000026) [ND(0.0000000018)]	NA	NA
OCDF	Not Listed	NA	ND(0.0000000032) [ND(0.0000000023)]	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	89A 05/02/05	89B 05/03/05	89D-R 4/26-5/2/2005	90A 04/14/05
Dioxins					
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000011) [ND(0.0000000014)]	NA	NA
TCDDs (total)	Not Listed	NA	ND(0.0000000011) [ND(0.0000000014)]	NA	NA
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000022) [ND(0.0000000029)]	NA	NA
PeCDDs (total)	Not Listed	NA	ND(0.0000000022) [ND(0.0000000029)]	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000015) [ND(0.0000000020)]	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000014) [ND(0.0000000019)]	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000014) [ND(0.0000000018)]	NA	NA
HxCDDs (total)	Not Listed	NA	ND(0.0000000015) [ND(0.0000000020)]	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.0000000052) [ND(0.0000000061)]	NA	NA
HpCDDs (total)	Not Listed	NA	ND(0.0000000062) [ND(0.0000000065)]	NA	NA
OCDD	Not Listed	NA	ND(0.000000035) [ND(0.000000051)]	NA	NA
Total TEQs (WHO TEFs)	0.000001	NA	0.0000000027 [0.0000000034]	NA	NA
Inorganics-Unfiltered					
Antimony	3	NA	0.00770 B [ND(0.0600)]	NA	NA
Arsenic	4	NA	ND(0.0100) [ND(0.0100)]	NA	NA
Barium	100	NA	0.0630 B [0.0590 B]	NA	NA
Beryllium	0.5	NA	ND(0.00100) [ND(0.00100)]	NA	NA
Cadmium	0.1	NA	ND(0.00500) [ND(0.00500)]	NA	NA
Chromium	20	NA	ND(0.0100) [ND(0.0100)]	NA	NA
Cobalt	Not Listed	NA	ND(0.0500) [ND(0.0500)]	NA	NA
Copper	Not Listed	NA	ND(0.0250) [ND(0.0250)]	NA	NA
Cyanide	2	NA	ND(0.0100) [ND(0.0100)]	NA	NA
Lead	0.3	NA	ND(0.00300) [ND(0.00300)]	NA	NA
Mercury	0.02	NA	ND(0.000200) [ND(0.000200)]	NA	NA
Nickel	1	NA	ND(0.0400) [ND(0.0400)]	NA	NA
Selenium	0.8	NA	ND(0.00500) J [ND(0.00500) J]	NA	NA
Silver	0.4	NA	ND(0.00500) [ND(0.00500)]	NA	NA
Sulfide	Not Listed	NA	ND(5.0) [ND(5.0)]	NA	NA
Vanadium	20	NA	0.00170 B [0.00140 B]	NA	NA
Zinc	20	NA	ND(0.020) [ND(0.020)]	NA	NA
Inorganics-Filtered					
Antimony	3	NA	ND(0.0600) [ND(0.0600)]	NA	NA
Arsenic	4	NA	ND(0.0100) [ND(0.0100)]	NA	NA
Barium	100	NA	0.0620 B [0.0630 B]	NA	NA
Beryllium	0.5	NA	ND(0.00100) [ND(0.00100)]	NA	NA
Cadmium	0.1	NA	ND(0.00500) [ND(0.00500)]	NA	NA
Chromium	20	NA	ND(0.0100) [ND(0.0100)]	NA	NA
Cobalt	Not Listed	NA	ND(0.0500) [ND(0.0500)]	NA	NA
Copper	Not Listed	NA	ND(0.0250) [ND(0.0250)]	NA	NA
Cyanide	2	NA	ND(0.0100) [ND(0.0100)]	NA	NA
Lead	0.3	NA	ND(0.00300) [ND(0.00300)]	NA	NA
Mercury	0.02	NA	ND(0.000200) [ND(0.000200)]	NA	NA
Nickel	1	NA	ND(0.0400) [ND(0.0400)]	NA	NA
Selenium	0.8	NA	ND(0.00500) [ND(0.00500)]	NA	NA
Silver	0.4	NA	ND(0.00500) [ND(0.00500)]	NA	NA
Vanadium	20	NA	0.00180 B [0.00160 B]	NA	NA
Zinc	20	NA	ND(0.0200) [0.00410 B]	NA	NA

TABLE 8
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GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	90B 04/14/05	95A 04/22/05	95B-R 04/21/05	111A-R 04/14/05
Volatile Organics					
1,1,2,2-Tetrachloroethane	100	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
1,1-Dichloroethane	100	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
1,4-Dioxane	Not Listed	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J
Acetone	100	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzene	70	ND(0.0050)	ND(0.0050)	0.047	ND(0.0050)
Carbon Disulfide	Not Listed	ND(0.0050)	ND(0.0050)	ND(0.010)	0.0081
Carbon Tetrachloride	100	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Chlorobenzene	10	ND(0.0050)	0.00053 J	0.37	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Methylene Chloride	100	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Toluene	100	ND(0.0050)	ND(0.005)	ND(0.010)	0.0088
trans-1,2-Dichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Trichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Trichlorofluoromethane	Not Listed	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	ND(0.000065)	NA	0.00010	NA
Aroclor-1260	Not Listed	ND(0.000065)	NA	ND(0.000065)	NA
Total PCBs	0.005	ND(0.000065)	NA	0.00010	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065)	NA	0.000060 J	NA
Aroclor-1260	Not Listed	ND(0.000065)	NA	ND(0.000065)	NA
Total PCBs	0.005	ND(0.000065)	NA	0.000060 J	NA
Semivolatile Organics					
1,2,4-Trichlorobenzene	100	ND(0.010)	NA	ND(0.010)	NA
1,2-Dichlorobenzene	100	ND(0.010)	NA	0.0012 J	NA
1,3-Dichlorobenzene	100	ND(0.010)	NA	ND(0.010)	NA
1,4-Dichlorobenzene	100	ND(0.010)	NA	0.0046 J	NA
2-Chlorophenol	100	ND(0.010)	ND(0.010)	ND(0.010)	NA
2-Methylnaphthalene	100	ND(0.010)	NA	ND(0.010)	NA
4-Chlorophenol	Not Listed	NA	ND(0.010)	ND(0.010)	NA
Acenaphthene	50	ND(0.010)	NA	ND(0.010)	NA
Anthracene	30	ND(0.010)	NA	ND(0.010)	NA
Dibenzofuran	Not Listed	ND(0.010)	NA	ND(0.010)	NA
Fluoranthene	3	ND(0.010)	NA	ND(0.010)	NA
Fluorene	30	ND(0.010)	NA	ND(0.010)	NA
Naphthalene	60	ND(0.010)	NA	ND(0.010)	NA
Phenanthrene	3	ND(0.010)	NA	ND(0.010)	NA
Phenol	100	ND(0.010)	NA	ND(0.010)	NA
Pyrene	30	ND(0.010)	NA	ND(0.010)	NA
Organochlorine Pesticides					
None Detected	--	--	NA	--	NA
Organophosphate Pesticides					
None Detected	--	--	NA	--	NA
Herbicides					
2,4-D	--	ND(0.010)	NA	ND(0.010)	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000079)	NA	ND(0.0000000018)	NA
TCDFs (total)	Not Listed	ND(0.0000000079)	NA	ND(0.0000000018)	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.000000011)	NA	ND(0.0000000040)	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.000000011)	NA	ND(0.0000000040)	NA
PeCDFs (total)	Not Listed	ND(0.000000011)	NA	ND(0.0000000040)	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000082)	NA	ND(0.0000000037)	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000067)	NA	ND(0.0000000030)	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000090)	NA	ND(0.0000000040)	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000080)	NA	ND(0.0000000036)	NA
HxCDFs (total)	Not Listed	ND(0.0000000090)	NA	ND(0.0000000040)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000067)	NA	ND(0.0000000044)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000084)	NA	ND(0.0000000056)	NA
HpCDFs (total)	Not Listed	ND(0.0000000084)	NA	ND(0.0000000056)	NA
OCDF	Not Listed	ND(0.000000014)	NA	ND(0.000000010)	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	90B 04/14/05	95A 04/22/05	95B-R 04/21/05	111A-R 04/14/05
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000082)	NA	ND(0.0000000027)	NA
TCDDs (total)	Not Listed	ND(0.0000000082)	NA	ND(0.0000000027)	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000016)	NA	ND(0.0000000058)	NA
PeCDDs (total)	Not Listed	ND(0.000000016)	NA	ND(0.0000000058)	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.000000012)	NA	ND(0.0000000068)	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000093)	NA	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.000000010)	NA	ND(0.0000000056)	NA
HxCDDs (total)	Not Listed	ND(0.000000012)	NA	ND(0.0000000068)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000012)	NA	ND(0.0000000062)	NA
HpCDDs (total)	Not Listed	ND(0.000000012)	NA	ND(0.0000000062)	NA
OCDD	Not Listed	ND(0.000000013)	NA	ND(0.000000012)	NA
Total TEQs (WHO TEFs)	0.000001	0.000000019	NA	0.0000000071	NA
Inorganics-Unfiltered					
Antimony	3	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic	4	ND(0.0100)	NA	ND(0.0100) J	NA
Barium	100	0.0210 B	NA	0.0770 B	NA
Beryllium	0.5	ND(0.00100)	NA	ND(0.001)	NA
Cadmium	0.1	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	20	0.00330 B	NA	ND(0.0100)	NA
Cobalt	Not Listed	ND(0.0500)	NA	ND(0.0500)	NA
Copper	Not Listed	ND(0.0250)	NA	ND(0.0250)	NA
Cyanide	2	ND(0.0100)	NA	ND(0.0100)	NA
Lead	0.3	ND(0.00300) J	NA	ND(0.00300)	NA
Mercury	0.02	ND(0.000200)	NA	ND(0.000200)	NA
Nickel	1	0.00180 B	NA	ND(0.0400)	NA
Selenium	0.8	ND(0.00500) J	NA	ND(0.00500) J	NA
Silver	0.4	ND(0.00500)	NA	ND(0.00500)	NA
Sulfide	Not Listed	ND(5.00)	NA	ND(5.0)	NA
Vanadium	20	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	20	ND(0.020)	NA	ND(0.0200) J	NA
Inorganics-Filtered					
Antimony	3	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic	4	ND(0.0100)	NA	ND(0.0100)	NA
Barium	100	0.0210 B	NA	0.0760 B	NA
Beryllium	0.5	ND(0.00100)	NA	ND(0.00100)	NA
Cadmium	0.1	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	20	0.00260 B	NA	ND(0.0100)	NA
Cobalt	Not Listed	ND(0.0500)	NA	ND(0.0500)	NA
Copper	Not Listed	ND(0.0250)	NA	ND(0.0250)	NA
Cyanide	2	ND(0.0100)	NA	ND(0.0100)	NA
Lead	0.3	ND(0.00300)	NA	ND(0.00300)	NA
Mercury	0.02	ND(0.000200)	NA	ND(0.000200)	NA
Nickel	1	ND(0.0400)	NA	ND(0.0400)	NA
Selenium	0.8	ND(0.00500)	NA	ND(0.00500)	NA
Silver	0.4	ND(0.00500)	NA	ND(0.00500)	NA
Vanadium	20	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	20	ND(0.0200)	NA	ND(0.0200)	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05	GMA3-2 04/08/05
Volatile Organics					
1,1,2,2-Tetrachloroethane	100	0.00058 J	ND(1.0)	ND(0.050)	ND(0.0050)
1,1-Dichloroethane	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,4-Dioxane	Not Listed	ND(0.20) J	ND(1.0) J	ND(0.20) J	ND(0.20) J
Acetone	100	ND(0.010)	ND(1.0)	ND(0.050)	ND(0.010) J
Benzene	70	ND(0.0050)	ND(1.0)	ND(0.050)	0.0070
Carbon Disulfide	Not Listed	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Carbon Tetrachloride	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Chlorobenzene	10	0.0030 J	12	1.4	0.0011 J
Chloroform	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	ND(1.0)	ND(0.050)	0.0017 J
Methylene Chloride	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Toluene	100	0.0014 J	ND(1.0)	ND(0.050)	0.0027 J
trans-1,2-Dichloroethene	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Trichloroethene	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Trichlorofluoromethane	Not Listed	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050) J
PCBs-Unfiltered					
Aroclor-1254	Not Listed	0.000028 J	NA	0.000030 J	NA
Aroclor-1260	Not Listed	ND(0.000065)	NA	ND(0.000065)	NA
Total PCBs	0.005	0.000028 J	NA	0.000030 J	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1260	Not Listed	ND(0.000065)	NA	ND(0.000065)	NA
Total PCBs	0.005	ND(0.000065)	NA	ND(0.000065)	NA
Semivolatile Organics					
1,2,4-Trichlorobenzene	100	ND(0.010)	NA	0.0018 J	ND(0.0050)
1,2-Dichlorobenzene	100	ND(0.010)	NA	0.012	ND(0.0050)
1,3-Dichlorobenzene	100	ND(0.010)	NA	0.0039 J	ND(0.0050)
1,4-Dichlorobenzene	100	ND(0.010)	NA	0.028	0.0011 J
2-Chlorophenol	100	ND(0.010)	NA	ND(0.010)	NA
2-Methylnaphthalene	100	ND(0.010)	NA	ND(0.010)	NA
4-Chlorophenol	Not Listed	NA	NA	NA	NA
Acenaphthene	50	ND(0.010)	NA	ND(0.010)	NA
Anthracene	30	ND(0.010)	NA	ND(0.010)	NA
Dibenzofuran	Not Listed	ND(0.010)	NA	ND(0.010)	NA
Fluoranthene	3	ND(0.010)	NA	ND(0.010)	NA
Fluorene	30	ND(0.010)	NA	ND(0.010)	NA
Naphthalene	60	ND(0.010)	NA	ND(0.010)	ND(0.0050)
Phenanthrene	3	ND(0.010)	NA	ND(0.010)	NA
Phenol	100	ND(0.010)	NA	ND(0.010)	NA
Pyrene	30	ND(0.010)	NA	ND(0.010)	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	--	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	--	NA
Herbicides					
2,4-D	--	NA	NA	ND(0.010)	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000022)	NA	ND(0.0000000040)	NA
TCDFs (total)	Not Listed	ND(0.0000000022)	NA	ND(0.0000000040)	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000039)	NA	ND(0.0000000089)	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000040)	NA	ND(0.0000000090)	NA
PeCDFs (total)	Not Listed	ND(0.0000000040)	NA	ND(0.0000000090)	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000036)	NA	ND(0.0000000077)	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000029)	NA	ND(0.0000000064)	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000039)	NA	ND(0.0000000085)	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000035)	NA	ND(0.0000000076)	NA
HxCDFs (total)	Not Listed	ND(0.0000000039)	NA	ND(0.0000000085)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000039)	NA	ND(0.0000000086)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000049)	NA	ND(0.000000011)	NA
HpCDFs (total)	Not Listed	ND(0.0000000049)	NA	ND(0.000000011)	NA
OCDF	Not Listed	ND(0.000000011)	NA	ND(0.000000023)	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05	GMA3-2 04/08/05
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000030)	NA	ND(0.0000000060)	NA
TCDDs (total)	Not Listed	ND(0.0000000030)	NA	ND(0.0000000060)	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000062)	NA	ND(0.000000013)	NA
PeCDDs (total)	Not Listed	ND(0.0000000062)	NA	ND(0.000000013)	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000058)	NA	ND(0.000000013)	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000045)	NA	ND(0.0000000099)	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000049)	NA	ND(0.000000011)	NA
HxCDDs (total)	Not Listed	ND(0.0000000058)	NA	ND(0.000000013)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000076)	NA	ND(0.000000013)	NA
HpCDDs (total)	Not Listed	ND(0.0000000076)	NA	ND(0.000000013)	NA
OCDD	Not Listed	ND(0.0000000094)	NA	ND(0.000000022)	NA
Total TEQs (WHO TEFs)	0.000001	0.0000000073	NA	0.000000016	NA
Inorganics-Unfiltered					
Antimony	3	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic	4	ND(0.0100) J	NA	ND(0.0100) J	NA
Barium	100	0.0290 B	NA	0.170 B	NA
Beryllium	0.5	ND(0.001)	NA	ND(0.00100)	NA
Cadmium	0.1	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	20	0.00220 B	NA	0.00460 B	NA
Cobalt	Not Listed	ND(0.0500)	NA	ND(0.0500)	NA
Copper	Not Listed	0.00150 B	NA	ND(0.0250)	NA
Cyanide	2	0.00330 B	NA	0.00170 B	NA
Lead	0.3	ND(0.00300)	NA	ND(0.00300)	NA
Mercury	0.02	ND(0.000200)	NA	0.0000500 B	NA
Nickel	1	ND(0.0400)	NA	0.00210 B	NA
Selenium	0.8	ND(0.00500) J	NA	ND(0.00500) J	NA
Silver	0.4	ND(0.00500)	NA	ND(0.00500)	NA
Sulfide	Not Listed	ND(5.0)	NA	ND(5.00)	NA
Vanadium	20	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	20	ND(0.0200) J	NA	ND(0.0200) J	NA
Inorganics-Filtered					
Antimony	3	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic	4	ND(0.0100)	NA	ND(0.0100)	NA
Barium	100	0.0280 B	NA	0.170 B	NA
Beryllium	0.5	0.000340 B	NA	ND(0.00100)	NA
Cadmium	0.1	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	20	0.00120 B	NA	0.00120 B	NA
Cobalt	Not Listed	ND(0.0500)	NA	ND(0.0500)	NA
Copper	Not Listed	ND(0.0250)	NA	ND(0.0250)	NA
Cyanide	2	0.00190 B	NA	ND(0.0100)	NA
Lead	0.3	0.00460	NA	ND(0.00300)	NA
Mercury	0.02	ND(0.000200)	NA	ND(0.000200)	NA
Nickel	1	ND(0.0400)	NA	ND(0.0400)	NA
Selenium	0.8	ND(0.00500)	NA	ND(0.00500)	NA
Silver	0.4	ND(0.00500)	NA	ND(0.00500)	NA
Vanadium	20	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	20	ND(0.0200)	NA	ND(0.0200)	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	GMA3-3 04/13/05	GMA3-4 04/12/05	GMA3-5 04/13/05
Volatile Organics				
1,1,2,2-Tetrachloroethane	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,1-Dichloroethane	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,4-Dioxane	Not Listed	ND(0.20) J	ND(0.20) J [ND(0.20) J]	ND(0.20) J
Acetone	100	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Benzene	70	0.00094 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Carbon Disulfide	Not Listed	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Carbon Tetrachloride	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chlorobenzene	10	0.0095	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methylene Chloride	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Toluene	100	ND(0.0050)	0.0021 J [0.0042 J]	0.00087 J
trans-1,2-Dichloroethene	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichlorofluoromethane	Not Listed	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.0024 J
PCBs-Unfiltered				
Aroclor-1254	Not Listed	0.00052	NA	ND(0.000065)
Aroclor-1260	Not Listed	0.000097	NA	ND(0.000065)
Total PCBs	0.005	0.000617	NA	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	Not Listed	0.00013	NA	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.000065)	NA	ND(0.000065)
Total PCBs	0.005	0.00013	NA	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)
1,2-Dichlorobenzene	100	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)
1,3-Dichlorobenzene	100	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)
1,4-Dichlorobenzene	100	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)
2-Chlorophenol	100	ND(0.010)	NA	ND(0.010)
2-Methylnaphthalene	100	ND(0.010)	NA	ND(0.010)
4-Chlorophenol	Not Listed	NA	NA	NA
Acenaphthene	50	0.0023 J	NA	ND(0.010)
Anthracene	30	ND(0.010)	NA	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	NA	ND(0.010)
Fluoranthene	3	ND(0.010)	NA	ND(0.010)
Fluorene	30	ND(0.010)	NA	ND(0.010)
Naphthalene	60	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)
Phenanthrene	3	ND(0.010)	NA	ND(0.010)
Phenol	100	ND(0.010)	NA	ND(0.010)
Pyrene	30	ND(0.010)	NA	ND(0.010)
Organochlorine Pesticides				
None Detected	--	--	NA	NA
Organophosphate Pesticides				
None Detected	--	--	NA	NA
Herbicides				
2,4-D	--	ND(0.010)	NA	NA
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000078)	NA	ND(0.0000000023)
TCDFs (total)	Not Listed	ND(0.0000000078)	NA	ND(0.0000000023)
1,2,3,7,8-PeCDF	Not Listed	ND(0.000000011)	NA	ND(0.0000000034)
2,3,4,7,8-PeCDF	Not Listed	ND(0.000000011)	NA	ND(0.0000000035)
PeCDFs (total)	Not Listed	ND(0.000000011)	NA	ND(0.0000000035)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000086)	NA	ND(0.0000000025)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000070)	NA	ND(0.0000000021)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000094)	NA	ND(0.0000000028)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000084)	NA	ND(0.0000000025)
HxCDFs (total)	Not Listed	ND(0.0000000094)	NA	ND(0.0000000028)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000064)	NA	ND(0.0000000054)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000081)	NA	ND(0.0000000068)
HpCDFs (total)	Not Listed	ND(0.0000000081)	NA	ND(0.0000000068)
OCDF	Not Listed	ND(0.000000017)	NA	ND(0.0000000041)

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	GMA3-3 04/13/05	GMA3-4 04/12/05	GMA3-5 04/13/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000089)	NA	ND(0.0000000026)
TCDDs (total)	Not Listed	ND(0.0000000089)	NA	ND(0.0000000026)
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000015)	NA	ND(0.0000000048)
PeCDDs (total)	Not Listed	ND(0.000000015)	NA	ND(0.0000000048)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.000000013)	NA	ND(0.0000000043)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.000000010)	NA	ND(0.0000000033)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.000000011)	NA	ND(0.0000000036)
HxCDDs (total)	Not Listed	ND(0.000000013)	NA	ND(0.0000000043)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000012)	NA	ND(0.0000000035)
HpCDDs (total)	Not Listed	ND(0.000000012)	NA	ND(0.0000000035)
OCDD	Not Listed	ND(0.000000019)	NA	ND(0.0000000072)
Total TEQs (WHO TEFs)	0.000001	0.000000019	NA	0.0000000059
Inorganics-Unfiltered				
Antimony	3	ND(0.0600)	NA	ND(0.0600)
Arsenic	4	0.00420 B	NA	ND(0.0100)
Barium	100	0.100 B	NA	0.0270 B
Beryllium	0.5	ND(0.00100)	NA	ND(0.00100)
Cadmium	0.1	ND(0.00500)	NA	0.000720 B
Chromium	20	ND(0.0100)	NA	ND(0.0100)
Cobalt	Not Listed	ND(0.0500)	NA	0.00770 B
Copper	Not Listed	0.00170 B	NA	0.00150 B
Cyanide	2	0.00530 B	NA	ND(0.0100)
Lead	0.3	ND(0.00300) J	NA	ND(0.00300) J
Mercury	0.02	ND(0.000200)	NA	ND(0.000200)
Nickel	1	0.00680 B	NA	0.00270 B
Selenium	0.8	ND(0.00500) J	NA	0.00540 J
Silver	0.4	ND(0.005)	NA	ND(0.005)
Sulfide	Not Listed	ND(5.0)	NA	ND(5.0)
Vanadium	20	0.00220 B	NA	0.00280 B
Zinc	20	ND(0.020)	NA	ND(0.020)
Inorganics-Filtered				
Antimony	3	ND(0.0600)	NA	ND(0.0600)
Arsenic	4	ND(0.0100)	NA	ND(0.0100)
Barium	100	0.100 B	NA	0.0300 B
Beryllium	0.5	ND(0.00100)	NA	ND(0.00100)
Cadmium	0.1	ND(0.00500)	NA	ND(0.00500)
Chromium	20	ND(0.0100)	NA	ND(0.0100)
Cobalt	Not Listed	0.00140 B	NA	0.00950 B
Copper	Not Listed	0.00200 B	NA	0.00190 B
Cyanide	2	0.00490 B	NA	ND(0.0100)
Lead	0.3	ND(0.00300)	NA	ND(0.00300)
Mercury	0.02	ND(0.000200)	NA	ND(0.000200)
Nickel	1	0.00590 B	NA	0.00260 B
Selenium	0.8	ND(0.00500)	NA	0.00540
Silver	0.4	ND(0.00500)	NA	ND(0.00500)
Vanadium	20	ND(0.0500)	NA	ND(0.0500)
Zinc	20	0.0100 B	NA	0.00360 B

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	GMA3-6 04/12/05	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
Volatile Organics						
1,1,2,2-Tetrachloroethane	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	Not Listed	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J
Acetone	100	0.0031 J	ND(0.010) J	ND(0.010) J	0.0037 J	ND(0.010)
Benzene	70	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Disulfide	Not Listed	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	10	0.0018 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	100	0.011	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	100	0.0026 J	ND(0.0050)	ND(0.0050)	0.0013 J	0.00051 J
trans-1,2-Dichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	Not Listed	ND(0.0050)	ND(0.0050) J	ND(0.0050) J	ND(0.0050)	ND(0.0050)
PCBs-Unfiltered						
Aroclor-1254	Not Listed	ND(0.000065)	0.00011	NA	NA	NA
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	NA	NA	NA
Total PCBs	0.005	ND(0.000065)	0.00011	NA	NA	NA
PCBs-Filtered						
Aroclor-1254	Not Listed	ND(0.000065)	0.000041 J	NA	NA	NA
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	NA	NA	NA
Total PCBs	0.005	ND(0.000065)	0.000041 J	NA	NA	NA
Semivolatile Organics						
1,2,4-Trichlorobenzene	100	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichlorobenzene	100	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,3-Dichlorobenzene	100	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dichlorobenzene	100	0.0035 J	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chlorophenol	100	ND(0.010)	ND(0.010)	NA	NA	NA
2-Methylnaphthalene	100	ND(0.010)	ND(0.010)	NA	NA	NA
4-Chlorophenol	Not Listed	NA	NA	NA	NA	NA
Acenaphthene	50	ND(0.010)	ND(0.010)	NA	NA	NA
Anthracene	30	ND(0.010)	ND(0.010)	NA	NA	NA
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010)	NA	NA	NA
Fluoranthene	3	ND(0.010)	ND(0.010)	NA	NA	NA
Fluorene	30	ND(0.010)	ND(0.010)	NA	NA	NA
Naphthalene	60	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenanthrene	3	ND(0.010)	ND(0.010)	NA	NA	NA
Phenol	100	ND(0.010)	ND(0.010)	NA	NA	NA
Pyrene	30	ND(0.010)	ND(0.010)	NA	NA	NA
Organochlorine Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Herbicides						
2,4-D	--	NA	NA	NA	NA	NA
Furans						
2,3,7,8-TCDF	Not Listed	ND(0.0000000047)	ND(0.0000000014)	NA	NA	NA
TCDFs (total)	Not Listed	ND(0.0000000047)	ND(0.0000000014)	NA	NA	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.000000016)	ND(0.0000000032)	NA	NA	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.000000016)	ND(0.0000000033)	NA	NA	NA
PeCDFs (total)	Not Listed	ND(0.000000016)	ND(0.0000000033)	NA	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000012)	ND(0.0000000032)	NA	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000097)	ND(0.0000000027)	NA	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000013)	ND(0.0000000036)	NA	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000012)	ND(0.0000000032)	NA	NA	NA
HxCDFs (total)	Not Listed	ND(0.000000013)	ND(0.0000000036)	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000090)	ND(0.0000000029)	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.000000011)	ND(0.0000000035)	NA	NA	NA
HpCDFs (total)	Not Listed	ND(0.000000011)	ND(0.0000000035)	NA	NA	NA
OCDF	Not Listed	ND(0.000000020)	ND(0.0000000074)	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	GMA3-6 04/12/05	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
Dioxins						
2,3,7,8-TCDD	Not Listed	ND(0.0000000064)	ND(0.0000000020)	NA	NA	NA
TCDDs (total)	Not Listed	ND(0.0000000064)	ND(0.0000000020)	NA	NA	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000021)	ND(0.0000000053)	NA	NA	NA
PeCDDs (total)	Not Listed	ND(0.000000021)	ND(0.0000000053)	NA	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.000000017)	ND(0.0000000051)	NA	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.000000013)	ND(0.0000000041)	NA	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.000000014)	ND(0.0000000045)	NA	NA	NA
HxCDDs (total)	Not Listed	ND(0.000000017)	ND(0.0000000054)	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000015)	ND(0.0000000046)	NA	NA	NA
HpCDDs (total)	Not Listed	ND(0.000000015)	ND(0.0000000046)	NA	NA	NA
OCDD	Not Listed	ND(0.000000018)	ND(0.0000000096)	NA	NA	NA
Total TEQs (WHO TEFs)	0.000001	0.000000023	0.0000000060	NA	NA	NA
Inorganics-Unfiltered						
Antimony	3	ND(0.0600)	ND(0.0600)	NA	NA	NA
Arsenic	4	ND(0.0100)	ND(0.0100)	NA	NA	NA
Barium	100	0.180 B	0.0870 B	NA	NA	NA
Beryllium	0.5	ND(0.00100)	ND(0.00100)	NA	NA	NA
Cadmium	0.1	ND(0.00500)	ND(0.00500)	NA	NA	NA
Chromium	20	ND(0.0100)	ND(0.0100)	NA	NA	NA
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)	NA	NA	NA
Copper	Not Listed	ND(0.0250)	ND(0.0250)	NA	NA	NA
Cyanide	2	ND(0.0100)	0.00240 B	NA	NA	NA
Lead	0.3	0.00180 J	ND(0.00300) J	NA	NA	NA
Mercury	0.02	ND(0.000200)	ND(0.000200)	NA	NA	NA
Nickel	1	ND(0.0400)	ND(0.0400)	NA	NA	NA
Selenium	0.8	ND(0.00500)	ND(0.00500)	NA	NA	NA
Silver	0.4	ND(0.005)	ND(0.0050)	NA	NA	NA
Sulfide	Not Listed	ND(5.0)	3.20 B	NA	NA	NA
Vanadium	20	ND(0.0500)	ND(0.0500)	NA	NA	NA
Zinc	20	ND(0.0200) J	ND(0.020)	NA	NA	NA
Inorganics-Filtered						
Antimony	3	ND(0.0600)	ND(0.0600)	NA	NA	NA
Arsenic	4	ND(0.0100)	ND(0.0100)	NA	NA	NA
Barium	100	0.160 B	0.0920 B	NA	NA	NA
Beryllium	0.5	ND(0.00100)	ND(0.00100)	NA	NA	NA
Cadmium	0.1	ND(0.00500)	ND(0.00500)	NA	NA	NA
Chromium	20	ND(0.0100)	ND(0.0100)	NA	NA	NA
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)	NA	NA	NA
Copper	Not Listed	ND(0.0250)	ND(0.0250)	NA	NA	NA
Cyanide	2	ND(0.0100)	0.00190 B	NA	NA	NA
Lead	0.3	ND(0.00300)	ND(0.00300)	NA	NA	NA
Mercury	0.02	ND(0.000200)	ND(0.000200)	NA	NA	NA
Nickel	1	ND(0.0400)	ND(0.0400)	NA	NA	NA
Selenium	0.8	ND(0.00500)	ND(0.00500)	NA	NA	NA
Silver	0.4	ND(0.00500)	0.00100 B	NA	NA	NA
Vanadium	20	ND(0.0500)	0.00240 B	NA	NA	NA
Zinc	20	ND(0.0200)	0.00320 B	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, Appendix IX+3 constituents and Natural Attenuation Parameters.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.
8. - Indicates that all constituents for the parameter group were not detected.
9. Shading indicates that value exceeds UCL Standards.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, pesticides, herbicides, dioxin/furans)

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

Inorganic Parameters

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 9
NATURAL ATTENUATION PARAMETER ANALYTICAL RESULTS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	2A 04/07/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05	39B-R 04/07/05	39D 04/07/05
Volatile Organics						
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)	ND(0.0050)
1,4-Dioxane	ND(5.0) J	ND(1.0) J	ND(0.20) J	ND(0.20) J	ND(0.50) J	ND(0.20) J
Benzene	27	13	0.0033 J	0.0039 J	0.17 J	ND(0.0050)
Carbon Disulfide	ND(5.0)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)	ND(0.0050)
Chlorobenzene	120	26	0.015	0.013	12	0.019
Chloroform	ND(5.0)	ND(1.0)	ND(0.0050)	0.00064 J	ND(0.50)	ND(0.0050)
Toluene	ND(5.0)	ND(1.0)	ND(0.0050)	0.0026 J	0.29 J	0.0044 J
trans-1,2-Dichloroethene	ND(5.0)	ND(1.0)	ND(0.0050)	0.00096 J	ND(0.50)	ND(0.0050)
Trichloroethene	12	ND(1.0)	ND(0.0050)	0.0020 J	0.35 J	ND(0.0050)
Total VOCs	160	39	0.018 J	0.023 J	13 J	0.023 J
Semivolatile Organics						
2-Chlorophenol	ND(0.010)	0.035	NA	NA	0.0096 J	NA
4-Chlorophenol	1.8	0.60	NA	NA	0.60	NA
Natural Attenuation Parameters						
Alkalinity (Total)	180	460	440	130	500	140
Chloride	10	1300	160	9.0	250	4.2
Dissolved Iron	ND(0.0500)	0.940	ND(0.0500)	0.0480 B	ND(0.0500)	0.0360 B
Dissolved Organic Carbon	0.750 B	28.0	5.70	ND(1.0)	2.50	ND(1.00)
Ethane	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)
Ethene	ND(0.0030)	ND(0.0030)	0.12	ND(0.0030)	ND(0.0030)	ND(0.0030)
Methane	ND(0.00200)	0.330	0.690	ND(0.00200)	0.0300	ND(0.00200)
Nitrate Nitrogen	0.0380 B	0.00950 B	0.0560	0.0690	1.90	ND(0.0500)
Nitrite Nitrogen	0.0820	0.00280 B	0.00900 B	0.0140 B	ND(0.0500)	ND(0.0500)
Sulfate (turbidimetric)	21.0	0.540 B	35.0	3.20	9.20	19.0

TABLE 9
NATURAL ATTENUATION PARAMETER ANALYTICAL RESULTS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	39E 04/13/05	43A 04/12/05	43B 04/07/05	89A 05/02/05	89B 05/03/05
Volatile Organics					
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,4-Dioxane	ND(0.20) J	0.077 J	ND(0.20) J	ND(1.0) J	ND(0.20) J [ND(0.20) J]
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	5.5	0.16 [0.17]
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	16	1.4 [1.3]
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Total VOCs	ND(0.20)	0.077 J	ND(0.20)	22	1.6 [1.5]
Semivolatile Organics					
2-Chlorophenol	NA	NA	NA	NA	0.0049 J [0.0068 J]
4-Chlorophenol	NA	NA	NA	NA	NA
Natural Attenuation Parameters					
Alkalinity (Total)	43.0	350	620	340	270 [260]
Chloride	62	40	58	320	130 [110]
Dissolved Iron	0.0900	ND(0.0500)	ND(0.0500)	ND(0.0500)	5.60 [5.80]
Dissolved Organic Carbon	ND(1.4)	ND(1.00)	7.60	11.0	6.90 [5.20]
Ethane	ND(0.0040)	ND(0.0040)	ND(0.0040)	0.023	ND(0.0040) [ND(0.0040)]
Ethene	ND(0.0030)	ND(0.0030)	ND(0.0030)	0.0054	ND(0.0030) [ND(0.0030)]
Methane	0.140	0.0830	0.880	1.40	2.80 [2.80]
Nitrate Nitrogen	0.840	ND(0.0500)	0.0800	0.0170 B	0.0150 B [0.0510]
Nitrite Nitrogen	0.00770 B	ND(0.0500)	ND(0.0500)	ND(0.0500)	0.00790 B [0.0130 B]
Sulfate (turbidimetric)	4.90	43.0	ND(2.00)	ND(2.00)	ND(2.00) [ND(2.00)]

TABLE 9
NATURAL ATTENUATION PARAMETER ANALYTICAL RESULTS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89D-R 4/26-5/2/2005	90A 04/14/05	90B 04/14/05	95A 04/22/05	95B-R 04/21/05
Volatile Organics					
1,1,2,2-Tetrachloroethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J
Benzene	0.15	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.047
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Chlorobenzene	0.45	ND(0.0050)	ND(0.0050)	0.00053 J	0.37
Chloroform	0.024	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Toluene	ND(0.010)	0.00072 J	ND(0.0050)	ND(0.005)	ND(0.010)
trans-1,2-Dichloroethene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Trichloroethene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Total VOCs	0.62	0.00072 J	ND(0.20)	0.00053 J	0.42
Semivolatile Organics					
2-Chlorophenol	NA	NA	ND(0.010)	ND(0.010)	ND(0.010)
4-Chlorophenol	NA	NA	NA	ND(0.010)	ND(0.010)
Natural Attenuation Parameters					
Alkalinity (Total)	330	160	140	100	180
Chloride	540	7.4	4.1	ND(2.1)	97
Dissolved Iron	ND(0.0500)	ND(0.0500)	2.60	0.720	0.820
Dissolved Organic Carbon	7.60	ND(1.0)	6.40	ND(1.0)	3.40
Ethane	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.020)
Ethene	0.0032	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.015)
Methane	0.00890	0.0190	0.0340	0.270	0.600 J
Nitrate Nitrogen	0.00480 B	0.0540	0.140	ND(.05)	0.0130 B
Nitrite Nitrogen	ND(0.0500)	ND(0.0500)	0.00260 B	0.00370 B	0.00440 B
Sulfate (turbidimetric)	18.0	20.0	4.20	0.700 B	2.00 J

TABLE 9
NATURAL ATTENUATION PARAMETER ANALYTICAL RESULTS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	111A-R 04/14/05	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05
Volatile Organics				
1,1,2,2-Tetrachloroethane	ND(0.0050)	0.00058 J	ND(1.0)	ND(0.050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(1.0) J	ND(0.20) J
Benzene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Carbon Disulfide	0.0081	ND(0.0050)	ND(1.0)	ND(0.050)
Chlorobenzene	ND(0.0050)	0.0030 J	12	1.4
Chloroform	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Toluene	0.0088	0.0014 J	ND(1.0)	ND(0.050)
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Total VOCs	0.017	0.0050 J	12	1.4
Semivolatile Organics				
2-Chlorophenol	NA	ND(0.010)	NA	ND(0.010)
4-Chlorophenol	NA	NA	NA	NA
Natural Attenuation Parameters				
Alkalinity (Total)	120	180	130	250
Chloride	110	13	1.5	87
Dissolved Iron	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Dissolved Organic Carbon	ND(1.4)	1.90	0.510 B	2.50
Ethane	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)
Ethene	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
Methane	ND(0.00200)	ND(0.00200)	0.100	0.170
Nitrate Nitrogen	0.00810 B	5.90	0.0260 B	0.0810
Nitrite Nitrogen	ND(0.0500)	0.0240 B	0.00470 B	0.00470 B
Sulfate (turbidimetric)	54.0	250 J	1.20 J	5.50 J

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to SGS Environmental Services, Inc. for analysis of PCBs, Appendix IX+3 constituents and Natural Attenuation Parameters.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. Volatiles, 2-Chlorophenol, 4-Chlorophenol and Natural Attenuation Parameters are presented.
4. NA - Not Analyzed
5. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
6. Field duplicate sample results are presented in brackets.
7. With the exception of semivolatiles only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (volatiles, semivolatiles)

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

Natural Attenuation Parameters

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 10
NAPL ANALYTICAL RESULTS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	51-8 05/19/05	GMA3-10 05/12/05	UB-PZ-3 05/12/05
Volatile Organics			
Ethylbenzene	ND(5.6)	0.0064 J	ND(0.31)
Iodomethane	ND(5.6)	0.0058 J	ND(0.31)
Toluene	ND(5.6)	0.0086 J	ND(0.31)
Trichloroethene	6.1	ND(0.025)	ND(0.31)
Xylenes (total)	ND(5.6)	0.051	0.049 J
Semivolatile Organics			
1,2,4-Trichlorobenzene	17	NA	NA
Naphthalene	3.8 J	NA	NA

Notes:

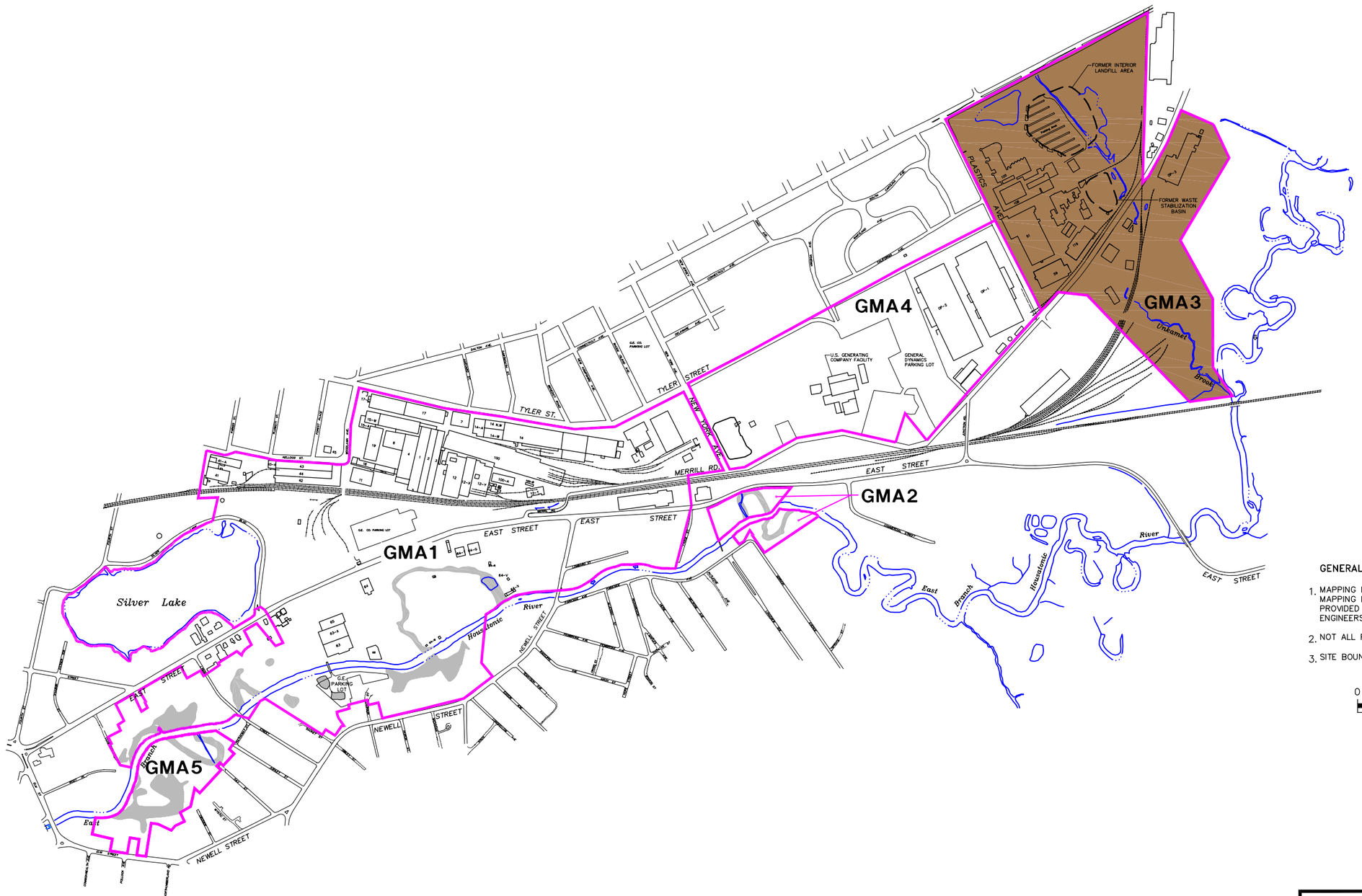
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and Naphthalene.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. Only detected constituents are summarized.

Data Qualifiers:

Organics (volatiles, semivolatiles)

J - Indicates an estimated value less than the practical quantitation limit (PQL).

Figures



LEGEND:

GMA1	GMA 1–PLANT SITE 1
GMA2	GMA 2–FORMER OXBOWS J&K
GMA3	GMA 3–PLANT SITE 2
GMA4	GMA 4–PLANT SITE 3
GMA5	GMA 5–FORMER OXBOWS A&C

GENERAL NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY; AND BLASLAND & BOUCK ENGINEERS, P.C. P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES/LIMITS ARE APPROXIMATE.

0 1000' 2000'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

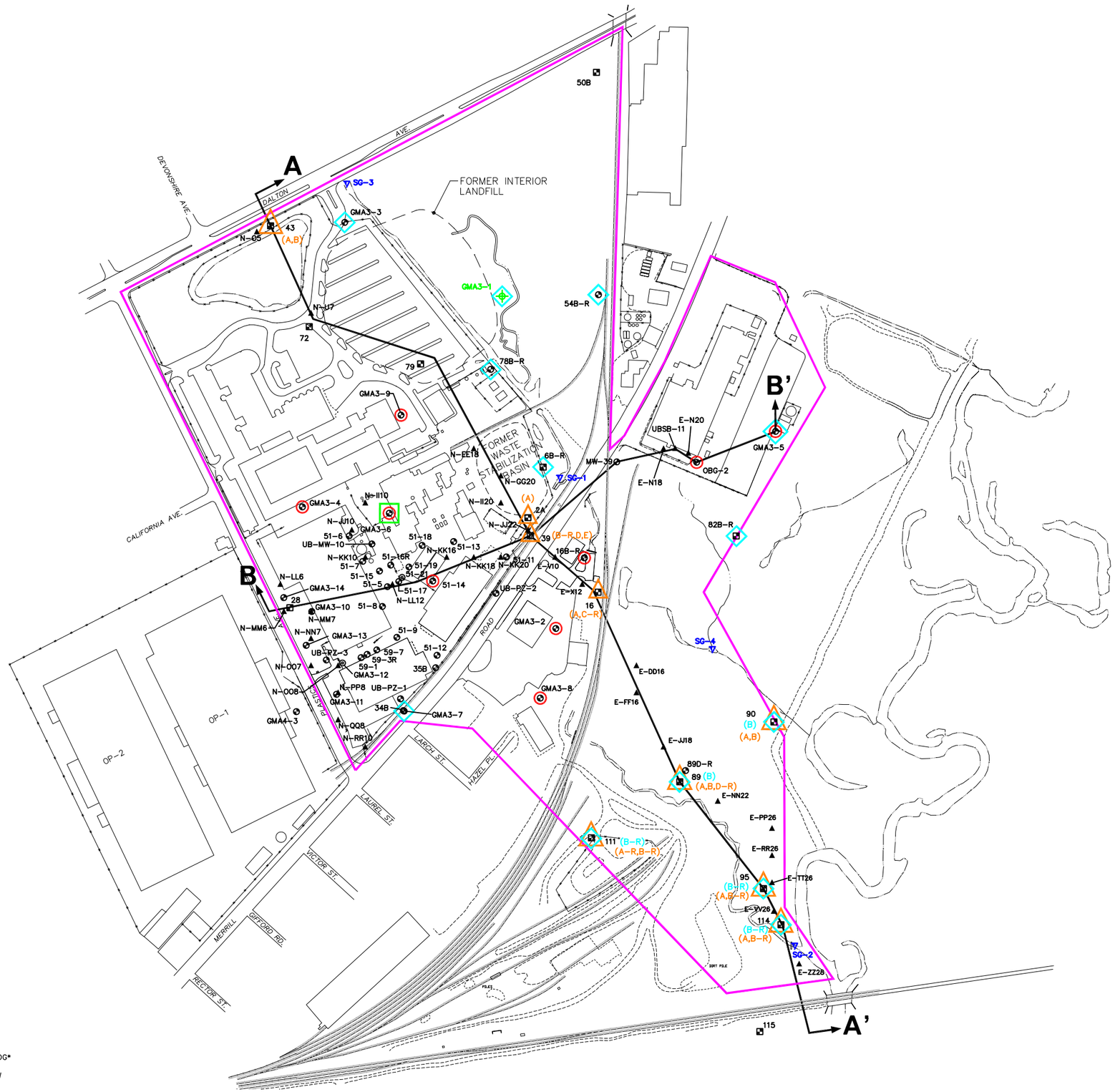
GMA 3 BASELINE MONITORING PROGRAM

GROUNDWATER MANAGEMENT AREAS

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE 1

L: ON=*, OFF=*REF*
P: PAGESET/BL
8/30/05 SYR-85-PGL RCB DMW
N/20186002/20186G01.DWG



LEGEND:

- SITE BOUNDARY
- FENCING
- UBSB–11 ▲ EXISTING SOIL BORING
- 51–6 ⊕ EXISTING MONITORING WELL
- 57 ⊡ EXISTING MONITORING WELL CLUSTER
- 51–21 ◎ NAPL RECOVERY WELL (SKIMMER)
- SG–1 ▽ SURFACE WATER STAFF GAUGE
- ○ GW–2 SENTINEL/COMPLIANCE WELL
- ◇ GW–3 PERIMETER WELL
- △ NATURAL ATTENUATION MONITORING WELL
- □ GENERAL/SOURCE AREA SENTINEL WELL (GW–3)
- A A' CROSS SECTION LOCATION

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.
4. FOR WELL CLUSTERS SUBJECT TO DIFFERING MONITORING REQUIREMENTS, THE SPECIFIC WELL INCLUDED FOR EACH TYPE OF MONITORING IS PROVIDED IN PARENTHESES.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

GMA 3 BASELINE MONITORING PROGRAM

SITE PLAN

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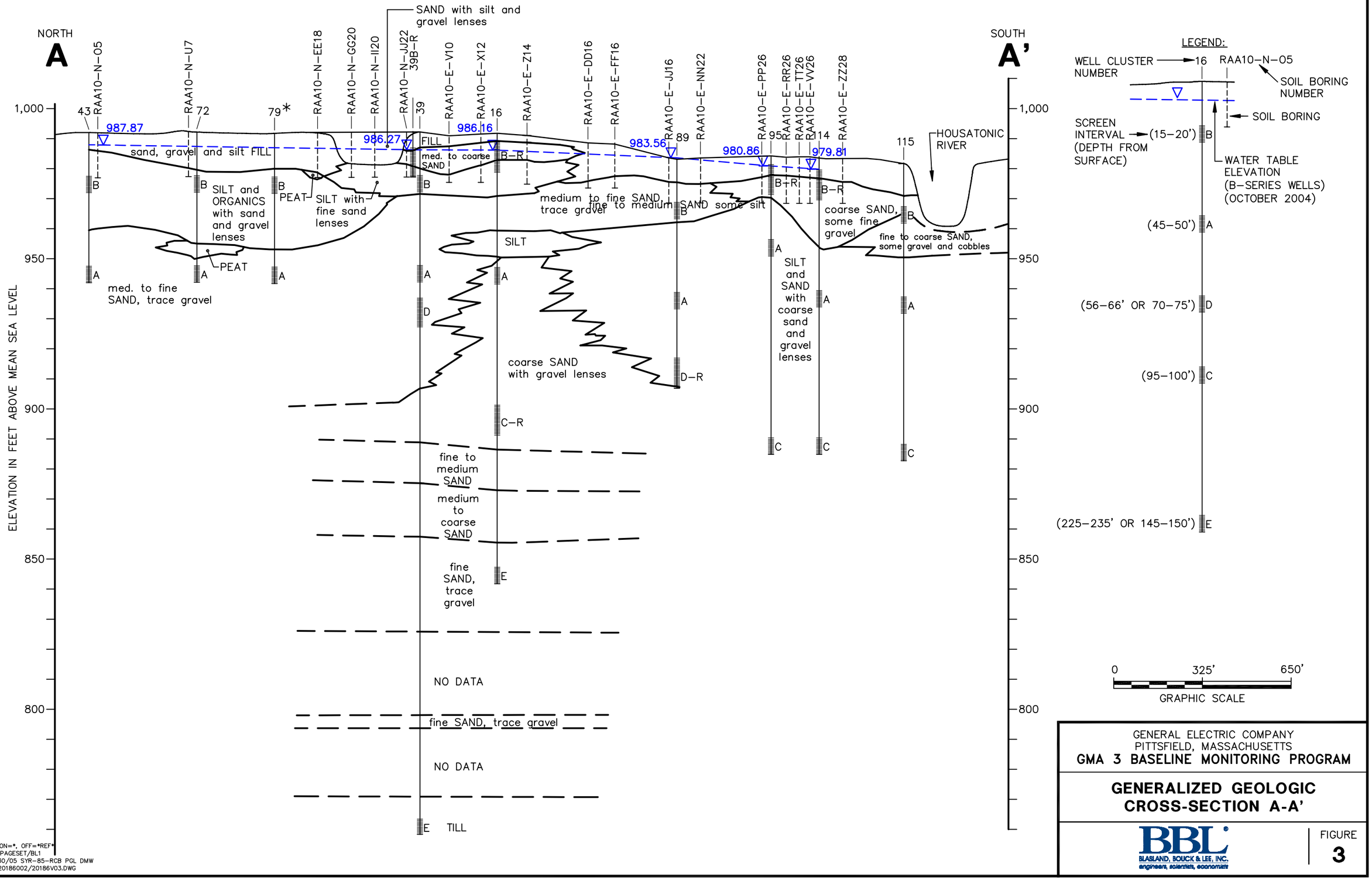
FIGURE 2

X: 20186X02.DWG
L: ON=*, OFF=*REF*, |NAME–BLDG*
P: PAGESET/SYR–BL
8/30/05 SYR–85–RCB WLJ DMW
N/20186002/20186G05.DWG



L: ON=*, OFF=*REF*
P: PAGESET/BL1
8/30/05 SYR-85-RCB PGL DMW
N/20186002/20186V03.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

GENERALIZED GEOLOGIC CROSS-SECTION A-A'

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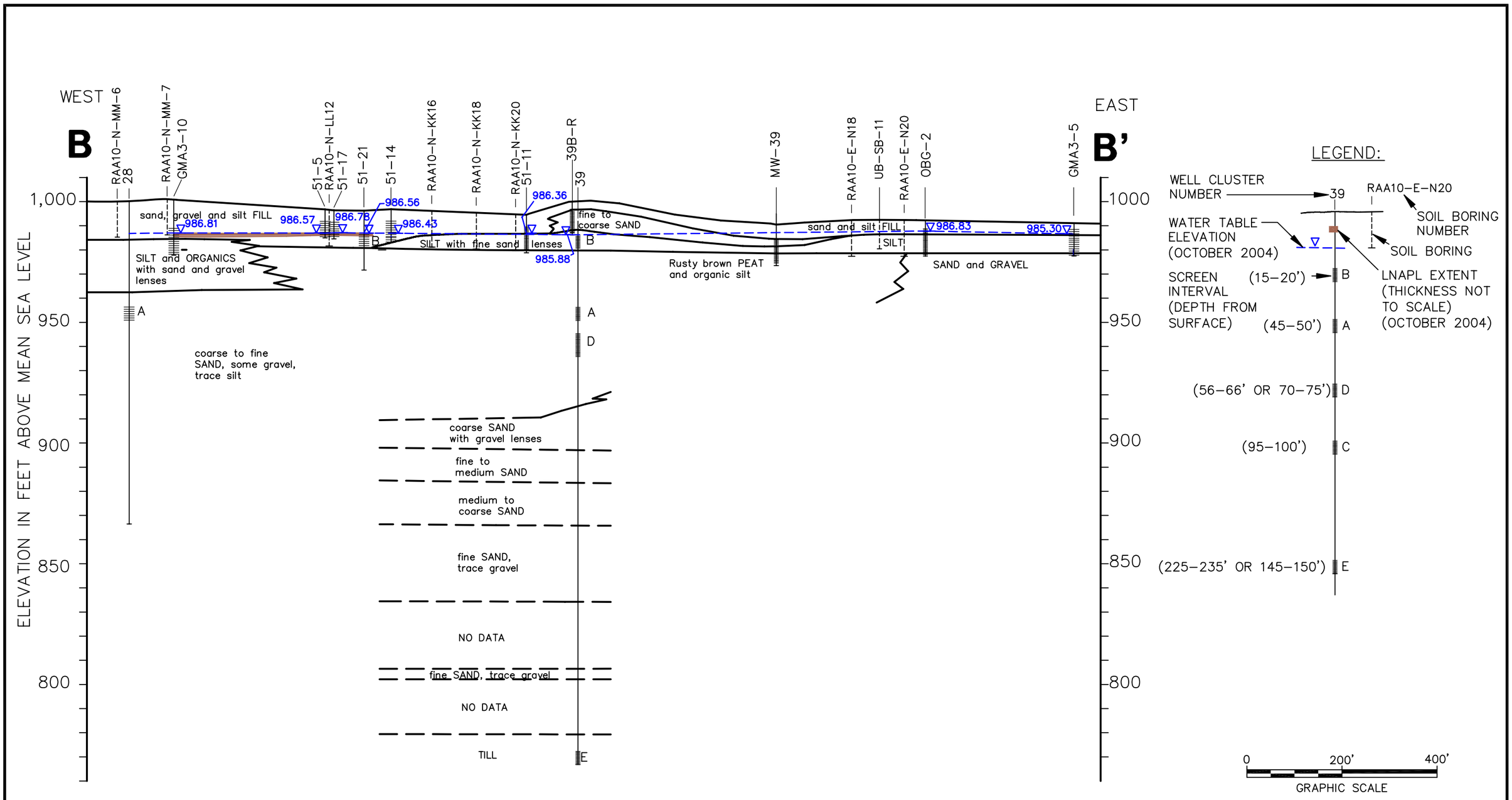
FIGURE **3**



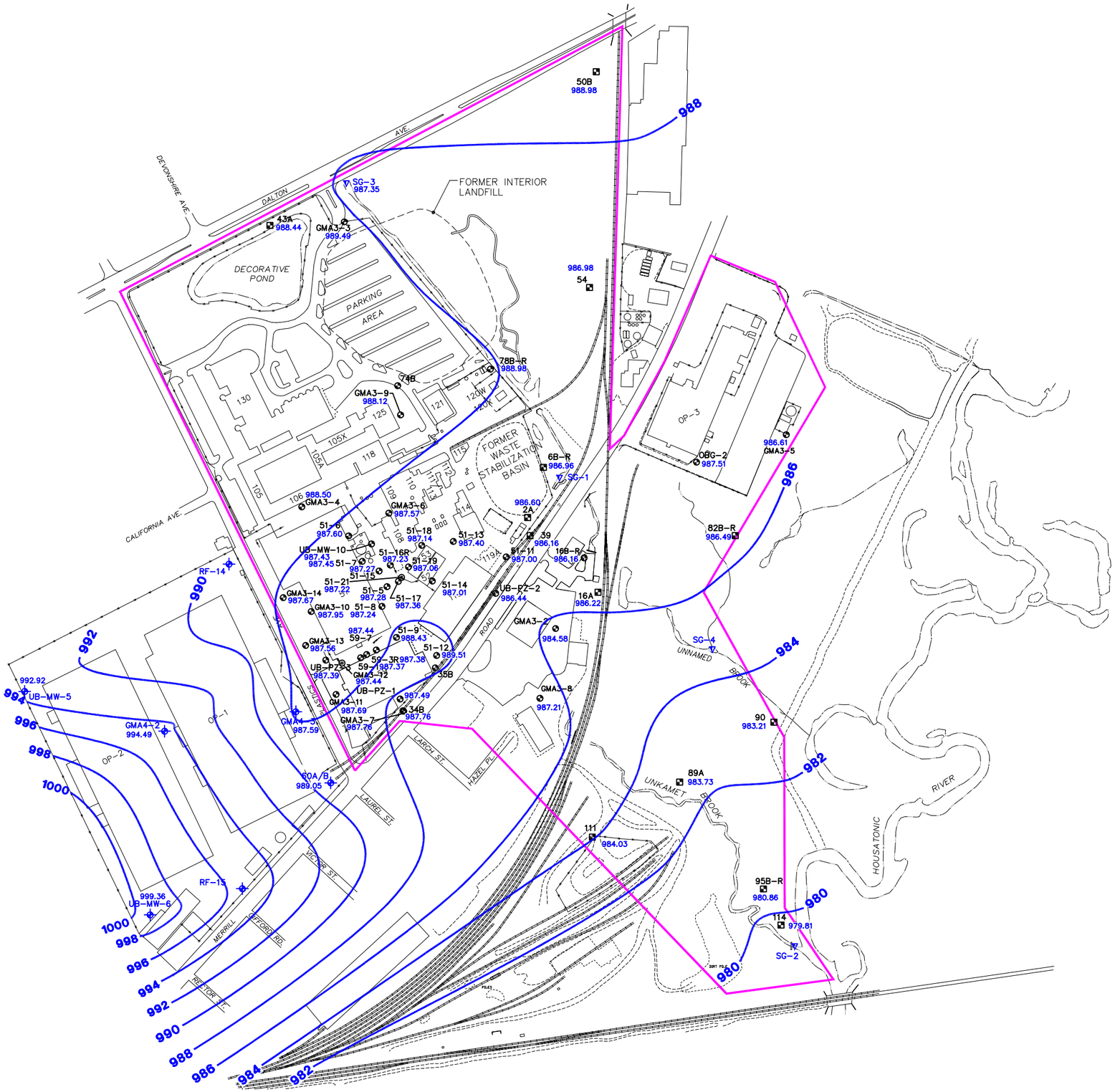
L: ON=*, OFF=*REF*
P: PAGESET/BL
8/30/05 SYR-85-RCB LAF DMW
N/20186002/20186V02.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

GENERALIZED GEOLOGIC CROSS-SECTION B-B'

BBL BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE
4



LEGEND:

- SITE BOUNDARY
- FENCING
- 51–6 EXISTING MONITORING WELL
- 57 EXISTING MONITORING WELL CLUSTER
- 51–21 NAPL RECOVERY WELL (SKIMMER)
- SG–1 SURFACE WATER STAFF GAUGE
- GMA4–2 GMA4 MONITORING WELL
- 990 GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- 984.58 GROUNDWATER ELEVATION IN FEET

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.
4. FOR WELL CLUSTERS, GROUNDWATER ELEVATION DATA FROM THE UPPERMOST WELL (B–SERIES) WAS UTILIZED IN THE PREPARATION OF THIS FIGURE.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

GROUNDWATER ELEVATION CONTOUR MAP - SPRING 2005

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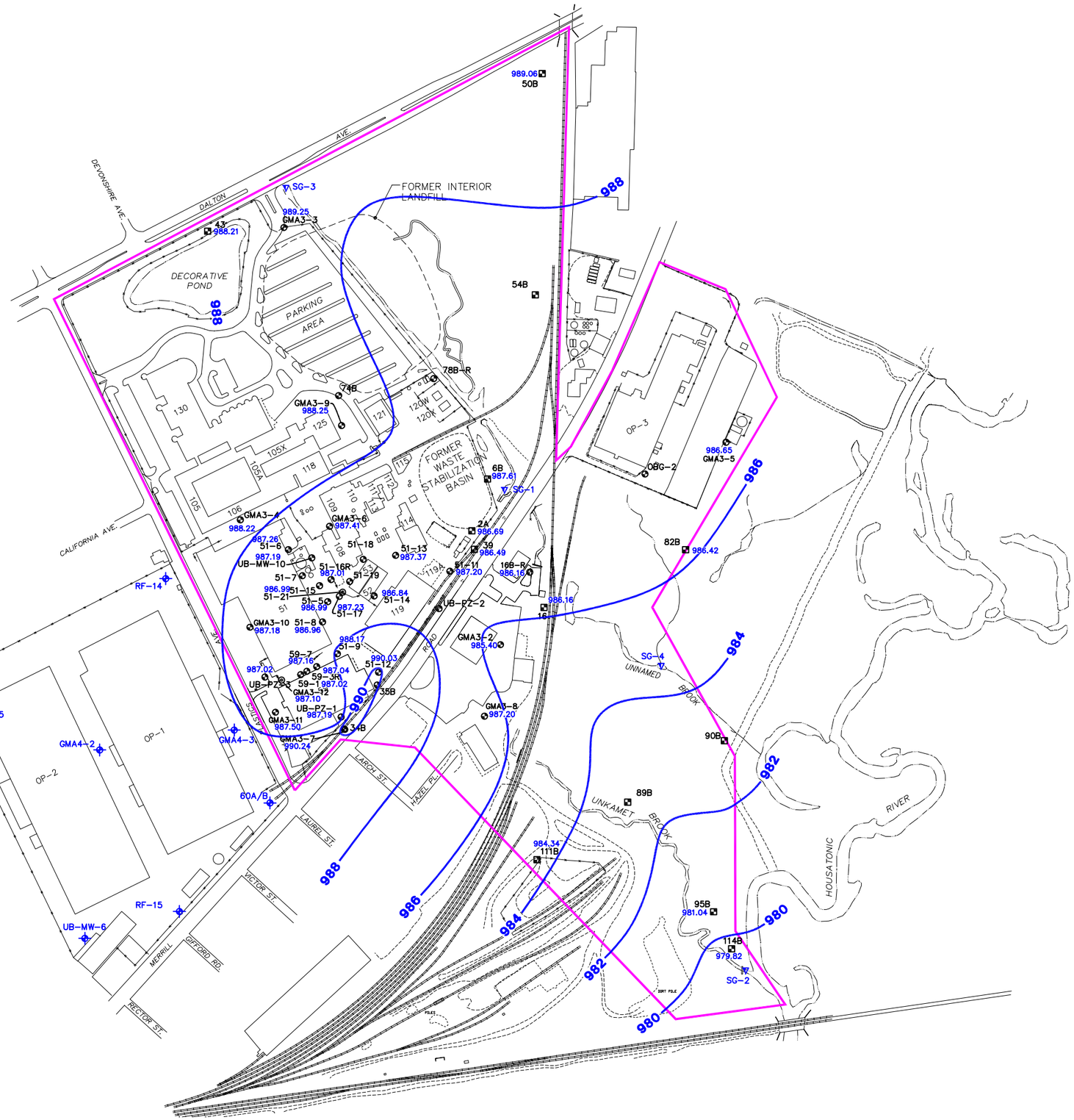
FIGURE 5

X: 20186X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BL
8/30/05 SYR–85–EIB WLJ DMW
N/20186002/20186W04.DWG



LEGEND:

- SITE BOUNDARY
- FENCING
- 51–14 EXISTING MONITORING WELL
- 54B EXISTING MONITORING WELL CLUSTER
- 51–21 NAPL RECOVERY WELL (SKIMMER)
- SG–1 SURFACE WATER STAFF GAUGE
- GMA4–2 GMA4 MONITORING WELL
- 986 GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- 987.26 GROUNDWATER ELEVATION IN FEET

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.
4. FOR WELL CLUSTERS, GROUNDWATER ELEVATION DATA FROM THE UPPERMOST WELL (B–SERIES) WAS UTILIZED IN THE PREPARATION OF THIS FIGURE.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

GROUNDWATER ELEVATION CONTOUR MAP - WINTER 2005

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FIGURE 6

X: 20186X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BL
8/30/05 SYR–85–RCB PGL DMW
N/20186002/20186W05.DWG

LEGEND:

- SITE BOUNDARY
- FENCING
- 57 EXISTING MONITORING WELL CLUSTER
- 51–6 EXISTING MONITORING WELL
- 51–21 NAPL RECOVERY WELL (SKIMMER)
- MAXIMUM EXTENT OF MEASURABLE LNAPL

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

GMA 3 BASELINE MONITORING PROGRAM

HISTORICAL EXTENT OF NAPL

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FIGURE **7**

X: 20186X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BL
08/30/05 SYR-54-PGL WLJ DMW
N/20186002/20186G03.DWG

LEGEND:

- SITE BOUNDARY
- FENCING
- 51–6 — EXISTING MONITORING WELL
- 57 — EXISTING MONITORING WELL CLUSTER
- 51–21 — NAPL RECOVERY WELL (SKIMMER)
- GMA3–1 — BASELINE GROUNDWATER MONITORING WELL LOCATION (PROPOSED WELL)
- SG–1 — SURFACE WATER STAFF GAUGE
- EXTENT OF MEASURABLE LNAPL DURING SPRING 2005 SEMI–ANNUAL MONITORING EVENT

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.
4. AN INSTRUMENT DETECTION OF LNAPL WAS RECORDED AT WELL 51–06 AND GMA3–5, BUT NO LNAPL WAS VISUALLY OBSERVED IN THIS WELL.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

GMA 3 BASELINE MONITORING PROGRAM

EXTENT OF LNAPL - SPRING 2005 MONITORING EVENT

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FIGURE 8

X: 20186X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BL
8/30/05 SYR-85-LAF RCB DMW
N/20186002/20186G04.DWG

Appendices

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Appendix A

Groundwater Monitoring Well Logs

BBL®
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Date Start/Finish: 4/13/05
Drilling Company: Parratt Wolff
Driller's Name: Mickey Marshall
Drilling Method: Tripod
Bit Size: NA
Auger Size: 3 1/5" ID
Rig Type: NA
Sampling Method: 2' x 3" ID Split Spoon

Northing: 537827.3
Easting: 139113.6
Casing Elevation: NA

Borehole Depth: 14'
Surface Elevation: NA

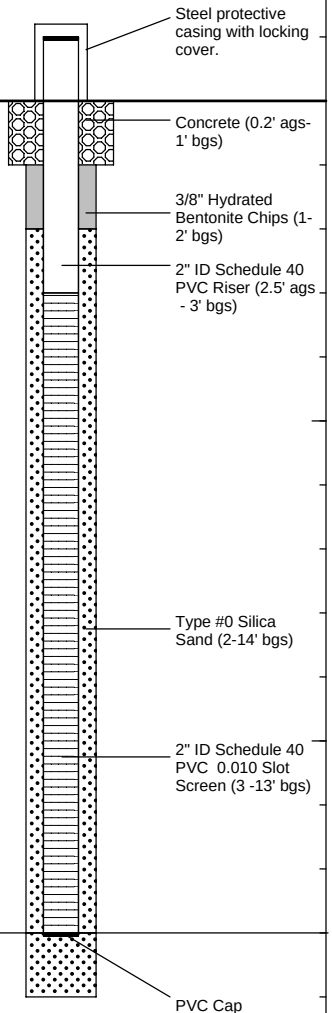
Geologist: Ricardo Jaimes

Well/Boring ID: 54B-R

Client: General Electric Company

Location: Groundwater Management Area 3 Merrill Road, Pittsfield, MA

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description
0 / 0	1	0-2	1.15	3 5 5 5	10	6.7			Dark brown Silty SAND, some medium to coarse Sand, little fine subrounded Gravel and Organics (wood and roots), trace subangular fine Gravel, loose, low-plasticity, moist.
	2	2-4	1.39	2 4 6 9	10	3.9			Dark gray to Black CLAY, soft, trace Organics (roots and wood), plastic, moist.
									No Recovery
5 / -5	3	5-7	1.17	4 4 5 4	9	11.0			Dark brown to grayish SILT, little Organics and fine Sand, soft, plastic, moist to wet.
	4	7-9	1.80	4 4 4 3	8	8.0			Dark brown PEAT, some Organics (roots and wood), soft, high plasticity, wet.
									Dark brown PEAT and medium to coarse SAND, some fine subrounded Gravel, loose, trace Organics (wood), non-plastic, moist.
10 / -10	5	9-11	1.79	3 2 3 2	5	5.9			Dark brown PEAT, some Organics (wood), soft, high plasticity, wet.
									Dark brown PEAT, some Organics (wood), soft, high plasticity, moist.
	6	11-13	1.64	2 3 3 5	6	7.2			Dark brown to reddish PEAT, some Organics (wood), trace angular Bedrock fragments (Shale), moist.
15 / -15									



Well/Boring Construction

BLASLAND, BOUCK & LEE, INC.
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Remarks: NA = Not Available/Not Applicable; bgs = below ground surface.

Date Start/Finish: 3/31/05
Drilling Company: Parratt-Wolff
Driller's Name: M. Evans/B. Palmer
Drilling Method: Fluid Rotary with 4" Casing
Bit Size: NA
Auger Size: NA
Rig Type: NA
Sampling Method: 2' x 2" Split Spoon

Northing: 536072.2
Easting: 139434.9
Casing Elevation: NA

Borehole Depth: 77.5' below grade
Surface Elevation: NA

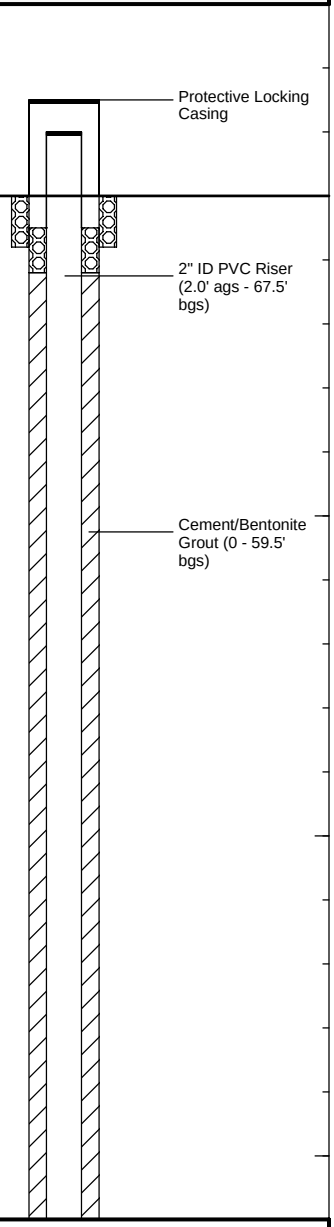
Geologist: J. Boland/N. Smith

Well/Boring ID: 89D-R

Client: General Electric Company

Location: Unkamet Brook
Pittsfield Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description
0 / 0	1	0-4	2.0	WOH WOH 1 WOH 1 WOH WOH WOH	NA	0.0			Dark brown SILT and ORGANICS, wet.
5 / -5	2	4-6	1.0	2 2 1 1	3	0.0			Brown to green fine to coarse SAND, trace Silt and fine Gravel, wet.
	3	6-8	1.2	2 2 2 2	4	0.0			
10 / -10	4	8-10	1.4	2 2 2 6	4	0.0			Brown to gray fine to medium SAND, trace coarse Sand, wet.
	5	10-12	1.3	2 4 4 5	8	0.0			
	6	12-14	1.2	4 5 4 6	9	0.0			Gray-brown fine to coarse SAND, trace fine Gravel, wet.
15 / -15	7	14-16	1.4	5 5 4 4	9	0.0			



Well/Boring Construction

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Remarks: NA = Not Applicable/Available; bgs = below ground surface; WOH = Weight of Hammer
Analyses: 1-3': VOCs; 4-6': VOCs; 8-10': VOCs.

Client:
General Electric Company

Site Location:
Unkamet Brook
Pittsfield Massachusetts

Well/Boring ID: 89D-R

Borehole Depth: 77.5' below grade

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
									Drill from 16' - 28' bgs without sampling.	2" ID PVC Riser (2.0' ags - 67.5' bgs); Cement/Bentonite Grout (0 - 59.5' bgs)
20-25										
	8	28-30	1.0	6 8 6 8	14	42.1			Gray fine to very fine SAND, wet.	
30-35									Drill from 30' - 38' bgs without sampling.	

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Remarks: NA = Not Applicable/Available; bgs = below ground surface; WOH = Weight of Hammer
Analyses: 1-3': VOCs; 4-6': VOCs; 8-10': VOCs.

Client:
General Electric Company

Site Location:
Unkamet Brook
Pittsfield Massachusetts

Well/Boring ID: 89D-R

Borehole Depth: 77.5' below grade

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
									Drill from 30' - 38' bgs without sampling.	2" ID PVC Riser (2.0' ags - 67.5' bgs)
	9	38-40	1.75	9 8 7 10	15	3.8			Gray fine to medium SAND, wet.	
40-40									Drill from 40' - 48' bgs without sampling.	Cement/Bentonite Grout (0 - 59.5' bgs)
45-45										
	10	48-50	1.5	4 5 7 8	12	0.0			Gray fine to medium SAND, wet.	
50-50									Drill from 50' - 58' bgs without sampling.	
55-55										

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Remarks: NA = Not Applicable/Available; bgs = below ground surface; WOH = Weight of Hammer
Analyses: 1-3': VOCs; 4-6': VOCs; 8-10': VOCs.

Client:
General Electric Company

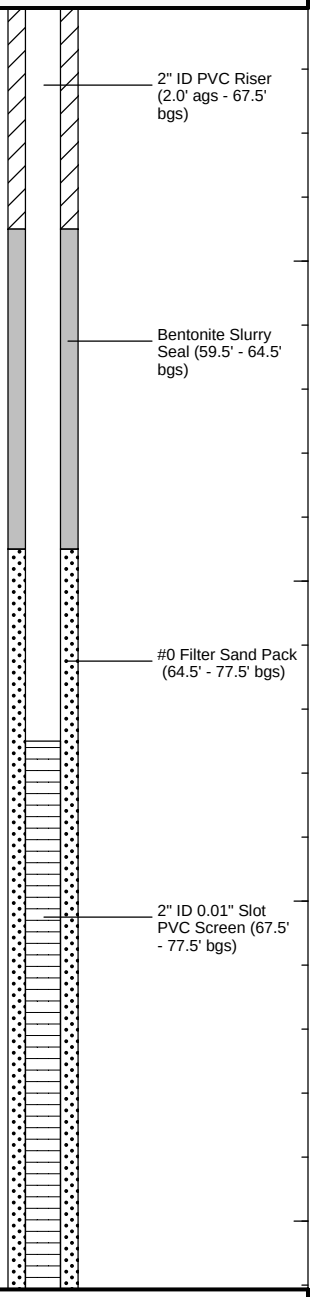
Site Location:
Unkamet Brook
Pittsfield Massachusetts

Well/Boring ID: 89D-R

Borehole Depth: 77.5' below grade

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description
									Drill from 50' - 58' bgs without sampling.
	11	58-60	1.3	6 8 8 12	16	217			Gray fine SAND, some medium Sand, solvent odor, wet.
60-60									Drill from 60' - 63' bgs without sampling.
	12	63-65	1.2	6 8 8 10	16	200			Gray fine to medium SAND, scattered lenses of fine Sand, little Silt, slight odor, wet.
65-65	13	65-67	1.5	6 8 8 10	16	292			Gray fine SAND, trace Silt, trace odor, wet.
	14	67-69	1.3	8 8 9 12	17	88.5			Gray fine SAND, slightly loose, trace odor, wet.
70-70	15	69-71	1.8	12 12 11 14	23	558			
	16	71-73	1.5	12 12 15 17	27	368			Gray fine to medium SAND, slight odor, wet.
	17	73-75	1.9	10 11 15 19	26	293			
75-75	18	75-77	1.4	10 17	36	334			Trace odor below 75' bgs.

Well/Boring Construction



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Remarks: NA = Not Applicable/Available; bgs = below ground surface; WOH = Weight of Hammer
Analyses: 1-3': VOCs; 4-6': VOCs; 8-10': VOCs.

Client:
General Electric Company

Site Location:
Unkamet Brook
Pittsfield Massachusetts

Well/Boring ID: 89D-R

Borehole Depth: 77.5' below grade

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
	18	75-77	1.4	19 17	36	334			Gray fine to medium SAND, slight odor, wet.	#0 Filter Sand Pack (64.5' - 77.5' bgs) 2" ID 0.01" Slot PVC Screen (67.5' - 77.5' bgs)
80-*80*										
85-*85*										
90-*90*										
95-*95*										

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Remarks: NA = Not Applicable/Available; bgs = below ground surface; WOH = Weight of Hammer
Analyses: 1-3': VOCs; 4-6': VOCs; 8-10': VOCs.

Date Start/Finish: 03/22/05
Drilling Company: Blasland, Bouck & Lee, Inc.
Driller's Name: James J Boland Jr
Drilling Method: AMS Powerprobe
Bit Size: NA
Auger Size: NA
Rig Type: NA
Sampling Method: 4.25 " I.D. HSA

Northing: 535828.4
Easting: 139092.0
Casing Elevation: 997.76

Borehole Depth: 17.18 ' bgs.
Surface Elevation: 994.8

Geologist: Michael R. Arlauckas

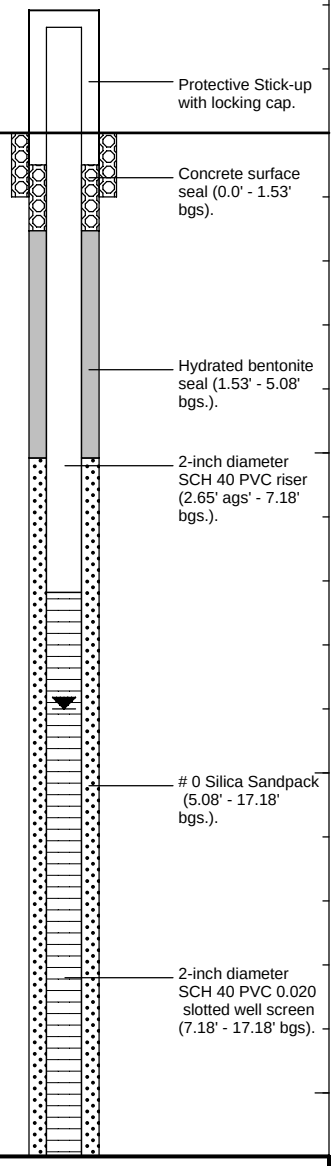
Well/Boring ID: GMA3-111B-R

Client: General Electric Company

Location: GMA3
Pittsfield Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description
0	995							
		1	0-4	1.5	0.0			0.0' - 4.4' Dark brown to black f-m SAND, some Cinders, Ash, Coal Fragments, little c Sand, little angular f Gravel (as Slag), moist.
5	990	2	4-8	2.2	0.0			4.4' - 4.6' Reddich brown vf SAND and SILT. 4.6' - 5.0' Tan vf-f SAND, little Silt, trace m-c Sand. 5.0' - 5.2' Tan f-m SAND, trace c Sand. 5.2' - 5.3' Tan vf-f SAND, little Silt, trace m-c Sand. 5.3' - 6.2' Brown to tan f-m SAND, little c Sand, trace Silt, trace subrounded to rounded f Gravel, moist.
10	985	3	8-12	2.4	0.0			8.0' - 12.5' Brown to tan f-m SAND, little c Sand, trace Silt, trce subrounded to rounded f Gravel, moist to wet.
15	980	4	12-16	1.0	0.0			12.5' - 13.0' Tan to gray vf SAND and SILT, moist to wet.

Well/Boring Construction



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Remarks:

Client:
General Electric Company

Site Location:
GMA3
Pittsfield Massachusetts

Well/Boring ID: GMA3-111B-R

Borehole Depth: 17.18 ' bgs.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
	5	16-18	1.2	0.0			16.0' - 17.2' Gray vf-f SAND and SILT, trace subangular f Gravel, moist to wet.	Total Depth = 17.18' bgs.
20 975								
25 970								
30 965								
35 960								

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Remarks:

Date Start/Finish: 03/24/05
Drilling Company: Blasland, Bouck & Lee, Inc.
Driller's Name: James J Boland Jr
Drilling Method: AMS Powerprobe
Bit Size: NA
Auger Size: NA
Rig Type: NA
Sampling Method: 4.25 " I.D. HSA

Northing: 536534.3
Easting: 138035.9
Casing Elevation: 998.00

Borehole Depth: 18.06 ' bgs.
Surface Elevation: 998.00

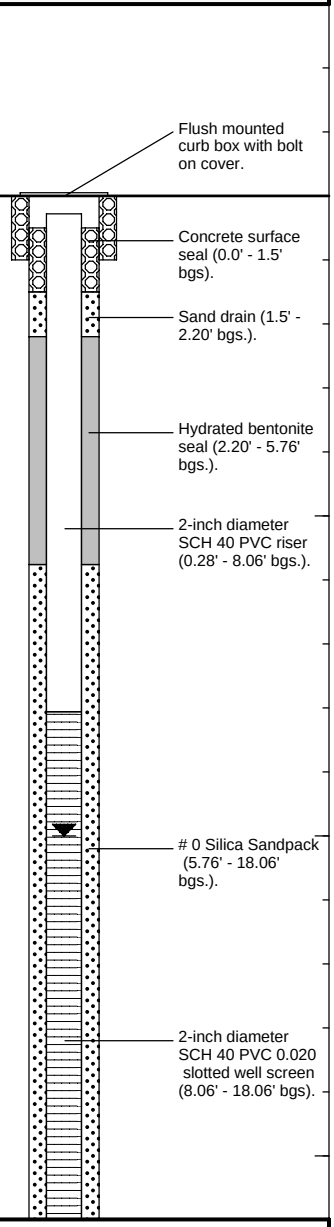
Geologist: Michael R. Arlauckas

Well/Boring ID: GMA3-13

Client: General Electric Company

Location: GMA3
Pittsfield Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description
985 / 0							
	1	0-4	2.9	0.0			0.0' - 1.3' Dark brown vf SAND and SILT, little Organics (rootlets), trace subangular f Gravel, moist.
							1.3' - 5.1' Tan vf-f SAND, little Silt, trace subangular to subrounded f Gravel, moist.
980 / 5	2	4-8	3.4	0.0			5.1' - 6.3' Dark brown vf-f SAND, trace Silt, trace subangular f Gravel, moist.
							6.3' - 7.4' Tan vf-f SAND, trace Silt, trace angular f Gravel, gray mottling.
975 / 10	3	8-12	3.1	0.0			8.0' - 11.4' Brown f-m SAND, trace c Sand, trace subangular to subrounded f Gravel, moist to wet.
970 / 15	4	12-16	3.4	0.0			12.0' - 15.4' Dark gray f-m SAND, little c Sand, trace subangular f Gravel, *ODOR*, wet.



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Remarks:

Client:
General Electric Company

Site Location:
GMA3
Pittsfield Massachusetts

Well/Boring ID: GMA3-13

Borehole Depth: 18.06 ' bgs.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
	5	16-18	2.2	0.0			16.0' - 18.2' Gray f-c SAND, little subrounded to subangular f Gravel, wet.	Total Depth = 18.06' bgs.
965 20								
960 25								
955 30								
950 35								

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Remarks:

Date Start/Finish: 03/24/05
Drilling Company: Blasland, Bouck & Lee, Inc.
Driller's Name: James J Boland Jr
Drilling Method: AMS Powerprobe
Bit Size: NA
Auger Size: NA
Rig Type: NA
Sampling Method: 4.25 " I.D. HSA

Northing: 536710.3
Easting: 137953.2
Casing Elevation: 997.66

Borehole Depth: 17.25 ' bgs.
Surface Elevation: 997.66

Geologist: Michael R. Arlauckas

Well/Boring ID: GMA3-14

Client: General Electric Company

Location: GMA3
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description
0 / 1000							
	1	0-4	2.4	0.0			0.0' - 1.1' Dark brown vf SAND and SILT, little Organics (rootlets), trace subangular f Gravel, moist.
							1.1' - 4.8' Brown to tan f SAND, trace vf Sand, trace Silt, trace subangular to subrounded f Gravel, moist.
5 / 995	2	4-8	2.7	0.0			4.8' - 10.2' Brown f-m SAND, trace c Sand, trace subangular f Gravel, moist. trace subrounded f Gravel @ 8.0' - 10.2.
10 / 990	3	8-12	2.4	0.0			10.2' - 10.4' Dark brown SILT, trace subangular f Gravel, trace clay.
	4	12-16	2.6	0.0			12.0' - 14.6' Tan to brown vf SAND and SILT, trace Rock Fragments, trace subangular f Gravel, moist.
15 / 985							

Well/Boring Construction

- Flush mounted curb box with bolt on cover.
- Concrete surface seal (0.0' - 1.5' bgs).
- Sand drain (1.5' - 2.00' bgs.).
- Hydrated bentonite seal (2.00' - 4.95' bgs.).
- 2-inch diameter SCH 40 PVC riser (0.25' - 7.25' bgs.).
- # 0 Silica Sandpack (4.95' - 17.25' bgs.).
- 2-inch diameter SCH 40 PVC 0.020 slotted well screen (7.25' - 17.25' bgs).

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Remarks:

Client:
General Electric Company

Site Location:
GMA3
Pittsfield, Massachusetts

Well/Boring ID: GMA3-14

Borehole Depth: 17.25 ' bgs.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
980	5	16-18	1.2	0.0			16.0' - 18.1' Tan to brown vf SAND and SILT, trace Rock Fragments, trace subangular f Gravel, moist.	Total Depth = 17.25' bgs.
20								
975								
25								
970								
30								
965								
35								

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Remarks:

Appendix B

Field Sampling Data

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TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method							Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	
2A	PP/BA	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
6B/6B-R	PP/BA	NS	NS	NS	NS	PP	PP	Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well found to be unusable and not sampled. Replacement well 6B-R to be installed. Fall 2004: Well 6B replaced by 6B-R. Water level in well dropped below top of pump intake during purging - intake was lowered and well was successfully sampled.
16A	PP	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
16B-R	BP	NS	NS	NS	BP	BP	BP	Spring 2002: Possible dissolved oxygen meter malfunction (readings decreased to zero during purging.) Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Water level in well dropped below top of bladder pump during purging and stabilized at unknown point above pump intake, could not measure.
16C/16C-R	PP/BA	NS	NS	NS	NS	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well found to be unusable and not sampled. Replacement well 16C-R installed. Spring 2005: Well 16C replaced by 16C-R. Unable to obtain samples with turbidity below 50 NTU, despite re-development of well and purging at extremely low flow rates.
39B-R	NS	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002: Well not sampled as installation was not completed prior to sampling event. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method							Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	
39D	PP/BA	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
39E	PP/BA	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Insufficient groundwater removed during initial sampling attempt to clear sample tubing. Analysis was cancelled and well was re-sampled, using smaller diameter tubing.
43A	PP	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
43B	PP	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
51-14	BP	NS	NS	NS	BP	BP	BP	Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
54B/54B-R	PP/BA	NS	NS	NS	NS	NS	PP	Spring 2002: Bladder pump clogged due to high organic matter content in well, switched to peristaltic/bailer method. Unable to reduce turbidity below 50 NTU. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well 54B found to be unusable and not sampled. Replacement well 54B-R to be installed. Spring 2005: Well 54B replaced by 54B-R.
78B-R	BP	PP	BP	BP	BP	BP	BP	Spring 2002: Dissolved oxygen meter malfunction. Fall 2002: Dissolved oxygen meter malfunction. Spring 2004: VOC samples received at laboratory above temperature criteria. Analysis cancelled and samples re-collected.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method							Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	
82B-R	NS	NS	NS	NS	NS	PP	PP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well 82B found to be unusable and not sampled. Replacement well 82B-R to be installed. Fall 2004: Sampling initiated at well 82B-R.
89A	NS	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2005: Base of well under standing water.
89B	NS	NS	NS	NS	PP	PP	PP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2005: Base of well under standing water.
89D-R	NS	NS	NS	NS	NS	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well 89D found to be unusable and not sampled. Replacement well 89D-R to be installed. Spring 2005: Sampling conducted on two separate dates to obtain complete sample set.
90A	NS	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
90B	NS	NS	NS	NS	PP	PP	PP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: VOC samples received at laboratory above temperature criteria. Analysis cancelled and samples re-collected.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method							Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	
95A	NS	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
95B-R	NS	NS	NS	NS	NS	PP	PP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well found to be unusable and not sampled. Replacement well 95B-R to be installed. Fall 2004: Well 95B replaced by 95B-R.
111A-R	NS	NS	NS	NS	NS	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well 111A found to be unusable and not sampled. Replacement well 111A-R to be installed. Spring 2005: Sampling initiated at well 111A-R.
111B/111B-R	NS	NS	NS	NS	BP	BP	BP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Water level in well dropped below top of bladder pump during purging and stabilized at unknown point above pump intake, could not measure. Fall 2004: Well dried during purging and recharged sufficient volume to collect VOC samples only (several sampling attempts made). Replacement well 111B-R to be installed. Spring 2005: Well 111B replaced by 111B-R.
114A	NS	NS	NS	NS	PP	NS	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
114B/114B-R	NS	NS	NS	NS	BP	BP	BP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well dried during purging, several sampling visits required to collect required sample volume. Fall 2004: Well 114B replaced by 114B-R.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method							Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	
GMA3-1	NS	NS	NS	NS	NS	NS	NS	Spring 2002 to Spring 2004: Well not sampled as installation has been deferred until re-routing of Unkamet Brook is completed.
GMA3-2	BP	NS	NS	NS	BP	BP	BP	Spring 2002: Possible dissolved oxygen meter malfunction (readings decreased to zero during purging.) Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
GMA3-3	NS	NS	NS	NS	PP	PP	PP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
GMA3-4	BP	NS	NS	NS	BP	BP	BP	Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Unable to maintain turbidity below 50 NTU during purging.
GMA3-5	NS	NS	NS	NS	BP	BP	BP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
GMA3-6	BP	NS	NS	NS	BP	BP	BP	Spring 2002: Possible dissolved oxygen meter malfunction (readings decreased to zero during purging.) Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
GMA3-7	NS	NS	NS	NS	PP	BP	PP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2005: Peristaltic pump used for sampling instead of bladder pump.
GMA3-8	NS	NS	NS	NS	PP	PP	PP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
								Spring 2002: Well not sampled as installation was not completed prior to sampling event.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method							Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	
GMA3-9	NS	NS	NS	NS	PP	PP	PP	Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
OBG-2	NS	NS	NS	NS	BP	BP	BP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Fall 2004: Unable to maintain turbidity below 50 NTU during purging. Spring 2005: Well cover found to be damaged; well still usable.

NOTES:
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump
BA - Bailer
PP/BA - Peristaltic Pump with Bailer used for VOC sample collection
NS - Not Sampled

GROUNDWATER SAMPLING LOG

Well No. 2A
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-3
Sampling Personnel JAP/AES
Date 4/7/05
Weather Overcast, 40's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +2.5' Meas. From GROUND
Well Diameter 1"
Screen Interval Depth 45-50' Meas. From BGS
Water Table Depth 6.75' Meas. From TIC
Well Depth 55.05' Meas. From TIC
Length of Water Column 48.3'
Volume of Water in Well 1.97 gallons
Intake Depth of Pump/Tubing 47.5' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1025
Sample ID 2A
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs (limited)	(X)
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 927
Pump Stop Time 1115
Minutes of Pumping 108
Volume of Water Removed ~2.9gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 02100002832 3
YSI 556 MPS 03C0392 (#2)

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]*
928	100	0.0265	6.82	—	—	—	17	—	—
939 ~~933~~	100	0.3175	6.82	9.36	8.96	0.363	6	6.79	-7.0
944	100	0.4498	6.82	9.54	8.46	0.382	10	2.71	-175.9
949	100	0.5821	6.82	9.64	8.41	0.400	13	1.95	-198.1
954	100	0.7144	6.82	9.73	8.43	0.407	13	1.58	-198.7
959	100	0.84467	6.82	9.79	8.43	0.408	13	1.46	-196.4
1001	100	0.9790	6.82	9.82	8.43	0.408	11	1.39	-192.2
1004	100	1.1113	6.82	9.87	8.43	0.409	11	1.35	-182.2
1007	100	1.2436	6.82	9.96	8.43	0.409	10	1.23	-170.4
1010	100	1.3759	6.82	10.05	8.44	0.409	9	1.21	-168.9
1013	100	1.5082	6.82	10.12	8.44	0.409	8	1.19	-177.9
1016	100	1.6405	6.82	10.14	8.41	0.410	6	1.18	-174.6

* 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 Initial purge: Clear w/ brownish-black particles, Strong odor!

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 2A
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-3
Sampling Personnel JAP/AES
Date 4/7/05
Weather Overcast, some sun, 40's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time 10:25
Sample ID 2A
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

See Page 1

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: _____

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]*
1019	100	1.7728	6.82	10.25	8.41	0.410	6	1.12	-175.3
1022	100	1.9051	6.82	10.17	8.41	0.411	6	1.16	-173.8

* 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

Final purge: Clear, colorless, moderate odor. w/black particles.
*Sample (SVOC) had slight sheen observed on top of water surface before capping of samples.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. 16B-R
Key No. Ex 37
PID Background (ppm) 0.0
Well Headspace (ppm) 0.0

Site/GMA Name GMA 3
Sampling Personnel KPT
Date 4/8/05
Weather Partly Cloudy, 41°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +3.0' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 3.81-13.81 Meas. From bgs
Water Table Depth 8.41 Meas. From TIC
Well Depth 16.22 Meas. From TIC
Length of Water Column 7.81
Volume of Water in Well 0.95 gallons 1.27 gallons
Intake Depth of Pump/Tubing ~10 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

EVACUATION INFORMATION

Pump Start Time 914
Pump Stop Time 1151
Minutes of Pumping 157
Volume of Water Removed 3 gal
Did Well Go Dry? Y (N)

120
37
157
57
14
71

Sample Time 1100
Sample ID 16B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

6 bottles

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Masterflex
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: 0360 392 # 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]*
920	~500	1.5	8.84	6.16	7.00	0.013	>999	4.97	-7.4
* 925	150	1.7	10.5	6.03	6.94	0.271	145	1.84	-74.2
930	150	2.0	10.72	6.37	6.99	1.288	204	0.77	-92.3
935	150	2.3	10.92	6.54	7.00	1.282	307	0.54	-100.4
940	150	2.4	10.94	6.93	7.09	1.227	306	0.41	-110.5
945	100	2.45	10.94	7.53	7.09	1.198	289	0.32	-103.0
** 950	100	2.5	10.94	7.89	7.12	1.188	243	0.32	-102.2
1005	100	2.54	10.94	8.17	7.21	1.166	165	0.31	-110.5
1010	100	2.57	10.94	8.66	7.22	1.182	98	0.23	-108.1
1015	100	2.59	10.94	8.66	7.20	1.185	79	0.23	-108.0
1020	100	2.62	10.94	8.74	7.21	1.190	63	0.22	-104.3
1025	100	2.64	10.94	8.92	7.13	1.200	53	0.22	-108.8

* 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 Initial purge turbid no color * had to turn pump off to recharge WL - trouble getting low flo. ** change flo then cell to clear

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

C:\Documents and Settings\jspt\Local Settings\Temp\MXLibDir\S64199 Attachment D-2.xls

GROUNDWATER SAMPLING LOG

Well No. 16B-R
Key No. FX-37
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name GMA 3
Sampling Personnel KPM
Date 4/18/05
Weather Sunny, 50°F

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

See Pg 1

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time _____
Sample ID _____
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: _____

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]*
1030	100	2.68	10.94	9.05	7.18	1.210	45	0.23	-110.9
1035	100	2.7	10.92	9.17	7.20	1.227	36	0.24	-111.5
1040	100	2.72	10.92	9.19	7.23	1.237	31	0.25	-109.7
1045	100	2.74	10.92	9.26	7.26	1.243	30	0.26	-109.6
1048	100	2.78	10.92	9.33	7.17	1.245	25	0.24	-108.1
1051	100	2.81	10.92	9.36	7.28	1.249	26	0.25	-107.2
1054	100	2.83	10.92	9.49	7.24	1.252	25	0.26	-108.0
1057	100	2.86	10.92	9.54	7.21	1.255	24	0.27	-107.5

* 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 _____

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. 16A
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/AES
Date 4/8/05
Weather Partly Cloudy, 40's

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ____ Meas. From BGS
Well Diameter 2"
Screen Interval Depth 44-50" Meas. From BGS
Water Table Depth 5.48 Meas. From TIC
Well Depth 51.02' Meas. From TIC
Length of Water Column 45.54'
Volume of Water in Well 7.42gal
Intake Depth of Pump/Tubing 47' Meas. From TIC

Sample Time 1130
Sample ID 16A
Duplicate ID —
MS/MSD —
Split Sample ID —

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs (Limited)	(X)
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 859
Pump Stop Time 1209
Minutes of Pumping 190
Volume of Water Removed ~4.9gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDIMETER 021000028323
YSI 556 MPS 03C0392 (#2)

Time	Pump Rate (mL/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]*
900	100	0.0265	5.50	—	—	—	143	—	—
905	100	0.1588	6.04	—	—	—	222	—	—
910	100	0.2911	6.42	—	—	—	203	—	—
915	100	0.4234	6.55	—	—	—	190	—	—
920	100	0.5557	6.57	—	—	—	173	—	—
925	100	0.6880	6.58	—	—	—	160	—	—
930	100	0.8203	6.57	—	—	—	158	—	—
935	100	0.9526	6.58	—	—	—	141	—	—
940	100	1.0849	6.60	—	—	—	118	—	—
945	100	1.2172	6.61	—	—	—	114	—	—
950	100	1.3495	6.61	—	—	—	96	—	—
955	100	1.4818	6.63	—	—	—	89	—	—

* 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
Initial purge: Pinkish-orange in color, very turbid, strong odor

SAMPLE DESTINATION

Laboratory: TGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 16A
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/AES
Date 4/8/05
Weather Partly Cloudy, High 40's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

See Page 1

Sample Time _____
Sample ID _____
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: _____

Time	Pump Rate (mL/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]*
1000	100	1.6141	6.65	—	—	—	84	—	—
1005	100	1.7464	6.69	—	—	—	76	—	—
1010	100	1.8787	6.72	—	—	—	76	—	—
1015	100	2.011	6.73	—	—	—	67	—	—
1020	100	2.1433	6.73	—	—	—	65	—	—
1025	100	2.2756	6.73	—	—	—	67	—	—
1030	100	2.4079	6.74	—	—	—	60	—	—
1035	100	2.5402	6.75	—	—	—	59	—	—
1040	100	2.6725	6.75	—	—	—	59	—	—
1045	100	2.8048	6.76	—	—	—	51	—	—
1050	100	2.9371	6.77	—	—	—	41	—	—
1057	100	3.1223	6.80	10.81	7.93	6.433	44	6.88	160.2

* 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 _____

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. 16A
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel AES/JAP
Date 4/8/05
Weather Sunny, 40's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter ____
* Screen Interval Depth ____ Meas. From ____
Water Table Depth ____ Meas. From ____
Well Depth ____ Meas. From ____
Length of Water Column ____
Volume of Water in Well ____
Intake Depth of Pump/Tubing ____ Meas. From ____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

See page 1

Sample Time ____
Sample ID ____
Duplicate ID ____
MS/MSD ____
Split Sample ID ____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time ____
Pump Stop Time ____
Minutes of Pumping ____
Volume of Water Removed ____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: ____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: ____

Time	Pump Rate (mL/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]*
1102	100	3.2546	6.81	10.82	8.016	6.425	39	1.64	-173.9
1107	100	3.3869	6.82	10.82	7.996	6.434	38	1.34	-180.7
1112	100	3.5192	6.85	10.95	7.97	6.443	35	1.25	-181.2
1117	100	3.6515	6.86	10.64	8.02	6.472	32	1.31	-186.4
1120	100	3.7309	6.82	10.64	7.97	6.472	32	1.24	-185.0
1123	100	3.8103	6.81	10.53	7.99	6.476	32	1.18	-187.0
1126	100	3.8897	6.81	10.52	7.98	6.465	30	1.18	-187.5

* 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 FINAL PURGE: Clear w/ orangy-brown particles, moderate odor.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator ____

GROUNDWATER SAMPLING LOG

Well No. 116C-R
Key No. 2537
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/MAH
Date 4/11/05
Weather Sunny, 40's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~+2.5' Meas. From GROUND
Well Diameter (2") 2"
Screen Interval Depth 90-100' Meas. From BGS
Water Table Depth 6.90 Meas. From TIC
Well Depth 94.82 Meas. From TIC
Length of Water Column 87.92
Volume of Water in Well 14.33 gal
Intake Depth of Pump/Tubing ~~95~~ 92' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? (Y) N

Sample Time *
Sample ID 116C-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	( )
( )	Other (Specify)	( )

* No Sample Taken will retry later in week

EVACUATION INFORMATION

Pump Start Time ~~1102~~ (JP) 1113
Pump Stop Time 1219
Minutes of Pumping 66
Volume of Water Removed ~1.3 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: qropump2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 0210000 28323
YSI 556 MPS 03C0392 (#2)

Time	Pump Rate (mL/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]*
1118 ~~1102~~ (JP)	200	0.2646	9.00	—	—	—	1000+	—	—
1123	150	0.4630	9.90	—	—	—	1000+	—	—
1128	140	0.1482	10.45	—	—	—	876	—	—
1133	130	0.1720	11.10	—	—	—	978	—	—
1138	110	0.3175	11.40	—	—	—	1000+	—	—
1143	105	0.4564	11.71	—	—	—	1000+	—	—
1148	105	0.5953	11.96	—	—	—	1000+	—	—
1153	105	0.7342	12.18	—	—	—	1000+	—	—
1158	105	0.8731	12.40	—	—	—	1000+	—	—
1203	105	1.0120	12.77	—	—	—	1000+	—	—
1208	105	1.1509	12.92	—	—	—	1000+	—	—
1213	105	1.2898	12.99	—	—	—	1000+	—	—

* 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

INITIAL PURGE: EXTREMELY TURBID - RAISED TUBING; well has a lot of silt on bottom; initially turned flow up to clean out tubing.
*1219 - shut down pump, turbidity getting worse; final purge: brown water w/ flakes, no odor.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Parker

GROUNDWATER SAMPLING LOG

Well No. 16C-R
Key No. Master Box
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA3
Sampling Personnel AMG
Date 4-27-05
Weather Cloudy, 55°F, rain

Sample Time 15:30
Sample ID 16C-R
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point +1.9 Meas. From GS
Well Diameter
Screen Interval Depth 90-100 Meas. From BGS
Water Table Depth 7.48 Meas. From TIC
Well Depth 107.10 Meas. From TIC
Length of Water Column
Volume of Water in Well
Intake Depth of Pump/Tubing 95 (96.9) Meas. From BGS (TIC)

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 13:32
Pump Stop Time 15:45
Minutes of Pumping
Volume of Water Removed
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: QED pump
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS: 03M1230 AL #4
HACH 2100P TURBIDIMETER: 02100C2852

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]*
13:33	0.100		7.10	—	—	—	52	—	—
13:38	0.100		7.86	—	—	—	238	—	—
13:48	0.100		8.84	—	—	—	193	—	—
13:58	0.100		9.60	—	—	—	170	—	—
14:08	0.100		10.27	—	—	—	257	—	—
14:38	0.100		11.00	—	—	—	168	—	—
14:48	0.100		11.05	—	—	—	130	—	—
14:58	0.100		11.11	—	—	—	1.9	—	—
15:09	0.100		11.16	11.75	14.17	0.317	95	1.22	-394.8
15:14	0.100		11.20	11.87	14.58	0.314	87	0.91	-413.6
15:19	0.100		11.22	11.92	14.74	0.314	85	0.83	-420.7
15:24	0.100		11.25	11.99	14.84	0.313	80	0.78	-425.5

* 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 Initial purge: turbid, cloudy, grayish color.

SAMPLE DESTINATION
Laboratory
Delivered by:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 16C-R
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name _____
Sampling Personnel _____
Date _____
Weather _____

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time _____
Sample ID _____
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

See 1st page

Required	Analytical Parameters	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: _____

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]*
15:29	0.100		11.28	11.85	14.80	0.314	78	0.78	-429.8

* 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 _____

SAMPLE DESTINATION

Laboratory _____
Delivered by: _____
Address: _____

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. 16C-R
Key No. 2537
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA3
Sampling Personnel JOR, KLB
Date 5/2/05
Weather CLOUDY, WINDY, 50'

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 1.8' Meas. From GRADE
Well Diameter 2"
Screen Interval Depth 90-100' Meas. From BGS
Water Table Depth 7.41 Meas. From TIC
Well Depth 101.48 Meas. From TIC
Length of Water Column 94.07
Volume of Water in Well 15.3 gal
Intake Depth of Pump/Tubing 96.5 Meas. From TIC

Reference Point Identification
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 16:30
Sample ID 16C-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required (Y N)	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 15:35
Pump Stop Time 16:50
Minutes of Pumping 75 min
Volume of Water Removed 2.3 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( ) Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type GEOPUMP 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers YSI 556 03M0230AC #4
HACH TURBIDIMETER 010000028329

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]*
15:36	0.150	—	7.20	—	—	—	26	—	—
15:43	0.150	0.278	8.29	10.08	10.02	0.281	128	5.60	-215.8
15:48	0.150	0.476	9.37	10.11	10.40	0.281	122	1.20	-242.1
15:53	0.150	0.675	9.74	10.02	10.40	0.282	140	1.18	-230.6
15:58	0.150	0.873	10.25	9.95	10.35	0.282	120	0.95	-235.6
16:03	0.150	1.005	10.60	9.90	10.32	0.282	137	1.04	-239.4
16:08	0.150	1.204	11.20	9.75	10.24	0.281	132	0.86	-234.7
16:13	0.125	1.402	12.21	9.73	10.27	0.278	153	1.18	-238.7
16:18	0.125	1.601	12.35	9.73	10.25	0.274	149	1.06	-238.4
16:23	0.125	1.799	12.40	9.74	10.26	0.270	150	1.06	-240.7
16:27	0.125	1.931	12.42	9.76	10.32	0.269	140	0.98	-241.2

* 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

INITIAL PURGE - CLEAR, COLORLESS, ODORLESS
FINAL PURGE - CLOUDY, TURBID, WHITE COLOR

SAMPLE DESTINATION

Laboratory: SGS ENVIRONMENTAL
Delivered Via: COURIER / UPS
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 39B-R
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-3
Sampling Personnel JAP/AES
Date 4/7/05
Weather Overcast, High 50's - 60's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-0.4' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 4-14' Meas. From BGS
Water Table Depth 5.14' Meas. From TIC
Well Depth 13.88' Meas. From TIC
Length of Water Column 8.74'
Volume of Water in Well 1.42 gal
Intake Depth of Pump/Tubing 9.5' Meas. From TIC

Sample Time 1355
Sample ID 39B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs (Limited)	(X)
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1257
Pump Stop Time 1425
Minutes of Pumping ~~152~~ 88
Volume of Water Removed ~2.6 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 0210000 28323
YSI 556 MPS 03C0392 (#2)

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]*
1258	100	0.0265	5.15	—	—	—	109	—	—
1303	100	0.1588	5.15	—	—	—	94	—	—
1308	100	0.2911	5.15	—	—	—	42	—	—
1315	125	0.5226	5.15	8.92	7.20	2.103	26	8.32	-91.1
1320	125	0.6880	5.15	8.67	7.17	2.018	21	9.60	-93.8
1325	125	0.8533	5.15	8.26	7.23	1.897	18	5.20	-91.1
1330	125	1.0186	5.15	7.96	7.22	1.847	15	5.52	-85.1
1335	125	1.1839	5.15	7.94	7.22	1.752	12	5.77	-82.1
1340	125	1.3492	5.15	7.94	7.25	1.728	11	5.97	-82.5
1345	125	1.5145	5.15	7.98	7.22	1.706	10	6.05	-81.2
1350	125	1.6798	5.15	7.80	7.26	1.701	10	6.20	-81.1

* 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

• Initial purge: Clear w/ orangish-brown particles, strong odor.
• Final purge: Clear w/ orangy-brown particles, moderate odor.

SAMPLE DESTINATION

Laboratory: TGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 39D
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-3
Sampling Personnel JAP/AES
Date 4/7/05
Weather Overcast, 50°F +/-

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-1' Meas. From BGS
Well Diameter 4"
Screen Interval Depth 56-66' Meas. From BGS
Water Table Depth 4.73' Meas. From TIC
Well Depth 66.10' Meas. From TIC
Length of Water Column 61.37'
Volume of Water in Well 40 gallons
Intake Depth of Pump/Tubing 61' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1545
Sample ID 39D
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1502
Pump Stop Time 1559
Minutes of Pumping 57
Volume of Water Removed ~1.4gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 02150000 28323
YSI 556 MPS 03C0392 (#2)

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]*
1503	95	0.0198	4.106	—	—	—	4	—	—
1511	100	0.2314	4.90	11.80	8.99	0.292	2	6.07	55.5
1516	100	0.3637	5.00	11.49	8.80	0.307	2	2.91	19.3
1521	100	0.4960	5.08	11.29	8.74	0.309	2	1.92	3.7
1526	100	0.6283	5.13	11.19	8.71	0.310	3	1.65	-8.9
1531	100	0.7606	5.16	11.34	8.70	0.310	2	1.46	-20.0
1534	100	~~0.8929~~ 0.8 gal	5.19	11.18	8.71	0.310	2	1.38	-26.9
1537	100	0.9194	5.21	11.00	8.72	0.310	3	1.35	-32.5
1540	100	0.9888	5.21	11.04	8.70	0.310	3	1.30	-36.0
↓									

* 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
- Initial purge: Clear, colorless, odorless
- Final purge: Clear, colorless, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 39E
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name GMA 3
Sampling Personnel SEK / TLT
Date 4-13-05
Weather Sunny 95°

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point _____ Meas. From _____
Well Diameter 4"
Screen Interval Depth 225-235 Meas. From BGS
Water Table Depth 4.65 Meas. From TIC
Well Depth 235 Meas. From TIC
Length of Water Column 230.35
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From TIC

Sample Time 15:25
Sample ID 39E
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 13:40
Pump Stop Time 15:50
Minutes of Pumping 130
Volume of Water Removed ~4 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH 2100P TURBIDIMETER
451556 MPS

Time	Pump Rate (mL/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]*
1345	100		4.63	—	—	—	87	—	—
1350	100		4.63	—	—	—	15	—	—
1355	100		4.78	9.29	6.35	0.287	6	5.01	108.60
1400	100		4.91	9.46	6.55	0.323	6	2.32	97.3
1405	100		4.96	9.108	6.75	0.342	7	1.30	80.4
1410	100		4.98	10.16	6.760	0.343	10	1.01	63.9
1415	100		4.99	10.41	6.77	0.344	9	1.00	56.1
14:20	100		5.00	10.45	6.77	0.344	9	0.88	39.4
14:25	100		5.02	10.69	6.75	0.346	10	0.81	29.7
14:30	100		5.02	10.70	6.79	0.347	9	0.81	0.4
14:35	100		5.02	10.72	6.78	0.347	9	0.79	-7.2
14:40	100		5.03	10.63	6.80	0.350	11	0.75	-12.3

* 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

SAMPLE DESTINATION

Laboratory: STL
Delivered Via: Courier/UPS
Airbill #: _____

Field Sampling Coordinator: J. Baker

GROUNDWATER SAMPLING LOG

Well No. 39B
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name _____
Sampling Personnel _____
Date _____
Weather _____

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time _____
Sample ID _____
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: _____

see page 1

Time	Pump Rate (mL/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]*
14:45	400		5.04	10.76	6.81	0.351	8	0.72	-19.4
14:50	100	2gal	5.05	10.79	6.82	0.352	13	0.72	-25.4
14:55	100		5.05	10.78	6.75	0.349	12	0.81	-20.2
15:00	100		5.05	10.52	6.74	0.349	15	0.85	-31.5
15:07	100		5.05	10.53	6.77	0.348	14	0.89	-31.3
15:13	100		5.05	10.49	6.79	0.349	14	0.90	-33.0
15:18	100	3.5	5.05	10.46	6.74	0.348	15	0.94	-25.5

* 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 _____

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: _____

Field Sampling Coordinator: Jill Baker

GROUNDWATER SAMPLING LOG

Well No. 43A
Key No.
PID Background (ppm)
Well Headspace (ppm)

Site/GMA Name GMA 3
Sampling Personnel TIC
Date 4/12/05
Weather Sunny 42°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.3' Meas. From GROUND
Well Diameter 4
Screen Interval Depth 45-50 Meas. From GROUND
Water Table Depth 4.99 Meas. From TIC
Well Depth 51.28 Meas. From TIC
Length of Water Column 46.29
Volume of Water in Well
Intake Depth of Pump/Tubing 46.78 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1325
Sample ID 43A
Duplicate ID
MS/MSD
Split Sample ID

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1205
Pump Stop Time 1355
Minutes of Pumping 110
Volume of Water Removed ~2.5 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: GEOPUMP2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH 2100P TURBIDIMETER 0202000025376
YSI 556 MPS

Time	Pump Rate (mL/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]*
1210	100	0.13	7.11	—	—	—	83	—	—
1215	100	0.26	7.92	—	—	—	49	—	—
1220	100	0.40	8.74	—	—	—	—	—	—
1225	100	0.53	9.02	9.62	7.21	0.521	36	0.83	-161.4
1230	100	0.66	10.07	9.68	6.73	0.573	31	0.43	-135.5
1235	100	0.79	10.64	9.80	7.12	0.617	34	0.36	-146.0
1240	100	0.93	11.23	9.94	7.25	0.643	38	0.41	-147.1
1245	100	1.06	11.66	10.10	7.30	0.675	29	0.34	-143.8
1250	100	1.19	1208	10.18	7.26	0.701	21	0.34	-138.2
1255	100	1.32	12.51	10.30	7.26	0.720	18	0.29	-136.5
1300	100	1.46	12.80	10.50	7.24	0.729	15	0.25	-134.4
1305	100	1.59	13.05	10.38	7.25	0.746	14	0.23	-133.0

* 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

INITIAL PURGE: CLEAR COLORLESS, ODORLESS
FINAL PURGE: CLEAR, COLORLESS, ODORLESS
* TEMPERATURE FLUCTUATIONS DUE TO DIRECT SUNLIGHT EXPOSURE TO FLOW-THROUGH CELL AND TUBING.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: COURIER
Airbill #:

Field Sampling Coordinator: Jeff Ritkorz

GROUNDWATER SAMPLING LOG

Well No. 43A
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name GMA3
Sampling Personnel TJT
Date 4/12/05
Weather SUNNY 42°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.3 ft Meas. From GROUND
Well Diameter 1"
Screen Interval Depth 45-50 Meas. From GROUND
Water Table Depth 4.99 Meas. From TIC
Well Depth 51.28 Meas. From TIC
Length of Water Column 46.29
Volume of Water in Well _____
Intake Depth of Pump/Tubing 48.78 Meas. From TIC

Sample Time 1325
Sample ID 43A
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1205
Pump Stop Time 1355
Minutes of Pumping 110
Volume of Water Removed ~2.5 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH 2100P TURBIDIMETER 02020000 25376
YSI 556 MPS

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]*
1310	100	1.72	13.27	10.49	7.24	0.759	10	0.24	-131.5
1315	100	1.85	13.32	10.61	7.21	0.768	9	0.22	-130.0
1320	100	1.98	13.51	10.57	7.23	0.778	9	0.24	-129.5
1325									

* 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 _____

SAMPLE DESTINATION

Laboratory: STL
Delivered Via: Courier
Airbill #: _____

Field Sampling Coordinator: Jill Walters

GROUNDWATER SAMPLING LOG

Well No. 433
Key No. FX-37
PID Background (ppm) 0.0
Well Headspace (ppm) 0.0

Site/GMA Name GMA 3
Sampling Personnel RPM
Date 4/7/05
Weather cloudy, mild, 55°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From Ground
Well Diameter 1"
Screen Interval Depth 15'-20' Meas. From Ground
Water Table Depth 5.01 Meas. From TIC
Well Depth ____ Meas. From TIC
Length of Water Column ____
Volume of Water in Well ____
Intake Depth of Pump/Tubing ____ Meas. From TIC

Sample Time 1540
Sample ID 433B
Duplicate ID —
MS/MSD —
Split Sample ID —

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected	
(X)	VOCs (Std. list) #2	(X)	
( )	VOCs (Exp. list)	( )	
( )	SVOCs	( )	
( )	PCBs (Total)	( )	
( )	PCBs (Dissolved)	( )	
( )	Metals/Inorganics (Total)	( )	
( )	Metals/Inorganics (Dissolved)	( )	
( )	PCDDs/PCDFs	( )	
( )	Pesticides/Herbicides	( )	
(X)	Natural Attenuation	(X)	1:500 1-1000
( )	Other (Specify)	( )	2-40.

total bottles = 6

EVACUATION INFORMATION

Pump Start Time 1420
Pump Stop Time 1501
Minutes of Pumping 91
Volume of Water Removed 2.6
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: #1 YSI 556

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]*
1425	100	—	~~5.65~~	~~7.74~~	~~7.27~~	~~1.155~~	17	—	—
1430	100	0.3	6.42	8.93	6.88	1.154	12	1.02	-80.3
1435	100	0.5	6.42	9.09	6.03	1.157	6	0.33	-33.8
1440	100	0.7	6.48	9.34	6.04	1.153	4	6.30	-38.8
1445	100	1.0	6.57	9.22	6.21	1.155	2	0.23	-46.8
1450	100	1.3	6.52	9.23	6.24	1.155	2	0.20	-48.4
1455	100	1.5	6.57	9.34	6.34	1.153	1	0.18	-55.1
1500	100	1.8	6.57	9.48	6.54	1.153	1	0.25	-62.5
1505	100	2.0	6.57	9.30	6.64	1.153	1	0.28	-75.3
1510	100	2.3	6.57	9.46	6.69	1.152	0	0.25	-74.9
1515	100	2.5	6.57	9.40	6.75	1.152	0	0.22	-84.8
1520	100	2.7	6.57	9.22	6.84	1.154	0	0.19	-91.8

* 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 initial purge clear odor less

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 433 | Site/GMA Name GM#3
Key No. | Sampling Personnel KPM
PID Background (ppm) | Date 4/7/05
Well Headspace (ppm) | Weather

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter ____
Screen Interval Depth ____ Meas. From ____
Water Table Depth ____ Meas. From ____
Well Depth ____ Meas. From ____
Length of Water Column ____
Volume of Water in Well ____
Intake Depth of Pump/Tubing ____ Meas. From ____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time ____
Sample ID ____
Duplicate ID ____
MS/MSD ____
Split Sample ID ____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time ____
Pump Stop Time ____
Minutes of Pumping ____
Volume of Water Removed ____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: ____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: ____

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]*
1525	100	2.6	6.57	9.32	6.83	1.152	0	0.20	-88.1
1530	100	2.8	6.57	9.42	6.86	1.152	0	0.21	-93.9
1535	100	2.9	6.57	9.52	6.90	1.151	0	0.19	-97.3

* 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 ____

SAMPLE DESTINATION

Laboratory: ____
Delivered Via: ____
Airbill #: ____

Field Sampling Coordinator: ____

GROUNDWATER SAMPLING LOG

Well No. 54B-R
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel AMG, RT
Date 4-27-05
Weather Rain, cloudy 50°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +2.45' Meas. From GS
Well Diameter 2"
Screen Interval Depth 3-13 Meas. From BGS
Water Table Depth 4.29 Meas. From TIC
Well Depth 15.54 Meas. From TIC
Length of Water Column 11.25
Volume of Water in Well 1.83 gallons
Intake Depth of Pump/Tubing 9.9' Meas. From TIC

Sample Time 9:15
Sample ID 54B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) Cyanide, Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 0820
Pump Stop Time 11:48
Minutes of Pumping
Volume of Water Removed
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: GeoPump
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS: 03M0380 AC #4
HACH 2100P TURBIDIMETER: 02100000 23329

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]*
0822	0.125		4.68	—	—	—	27	—	—
0828	0.125		5.52	7.93	11.74	0.707	19	3.82	-169.4
0833	0.125		5.97	7.81	11.01	0.703	17	0.54	-163.6
08:38	0.100		6.22	7.74	11.33	0.701	21	0.46	-168.2
08:43	0.100		6.52	8.00	11.50	0.699	17	0.51	-178.8
08:48	0.100		6.88	8.11	11.79	0.691	19	0.47	-206.0
08:53	0.100		7.16	8.11	12.02	0.685	21	0.53	-236.8
08:58	0.100		7.49	8.12	12.09	0.677	22	0.63	-241.2
09:03	0.100		7.82	8.10	12.05	0.670	23	0.62	-246.7

* 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 Initial purge: clear, slightly turbid.

SAMPLE DESTINATION
Laboratory:
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 78B-R
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-3
Sampling Personnel GAR/ERR
Date 4/7/05
Weather Overcast, 50-55°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.35' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 1.82'-11.82' Meas. From Ground
Water Table Depth 0.41' Meas. From TIC
Well Depth 11.74' Meas. From TIC
Length of Water Column 11.33'
Volume of Water in Well 1.85 gallons
Intake Depth of Pump/Tubing 7' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 15:20
Sample ID 78B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 14:05
Pump Stop Time 17:05
Minutes of Pumping 180
Volume of Water Removed 4.75 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: [redacted] Marschalk - System One
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS : 03M0230AC
Hach 2100P Turbidimeter : 02100012P829

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]*
14:10	100ml	0.13	0.45'	—	—	—	8	—	—
14:20	100ml	0.40	0.44	9.52	6.52	2.592	10	2.34	-114.3
14:25	100ml	0.53	0.42	8.98	6.51	2.639	9	0.50	-100.2
14:30	100ml	0.66	0.42	8.75	6.63	2.645	7	0.35	-111.6
14:35	100ml	0.79	0.43	8.66	6.74	2.643	6	0.29	-117.6
14:40	100ml	0.93	0.43	8.97	6.91	2.637	6	0.26	-129.8
14:45	100ml	1.06	0.44	8.96	7.17	2.648	5	0.22	-146.3
14:50	100ml	1.19	0.44	8.64	7.23	2.648	4	0.18	-142.0
14:55	100ml	1.32	0.44	8.84	7.27	2.640	3	0.18	-158.3
15:00	100ml	1.46	0.45	8.80	7.31	2.646	3	0.16	-154.6
15:05	100ml	1.59	0.50	9.07	7.34	2.637	3	0.15	-155.8
15:10	100ml	1.72	0.44	9.07	7.36	2.648	4	0.13	-155.7

* 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

Initial Purge: Clear, petro odor
Final Purge: Clear, petro odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: NA

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 78B-R
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-3
Sampling Personnel GAR/ERR
Date 4/7/05
Weather Overcast, 50-55°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.35' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 1.82'-11.82' Meas. From Ground
Water Table Depth 0.41' Meas. From TIC
Well Depth 11.74' Meas. From TIC
Length of Water Column 11.33'
Volume of Water in Well 1.85 gallons
Intake Depth of Pump/Tubing 7' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 15:20
Sample ID 78B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 14:05
Pump Stop Time 17:05
Minutes of Pumping 180
Volume of Water Removed 4.75 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk - System One
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS
Hach 2100P Turbidimeter

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]*
15:15	100ml	1.85	0.45	9.04	7.37	2.650	3	0.12	-159.0

* 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

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 82B-R
Key No. 2537
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP / MAH
Date 4/6/05
Weather Sunny, Windy, 40's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +2.5' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 2-12' Meas. From BGS
Water Table Depth 2.84' Meas. From TIC
Well Depth 11.81' Meas. From TIC
Length of Water Column 8.97'
Volume of Water in Well 1.46 gal
Intake Depth of Pump/Tubing 7.3' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

EVACUATION INFORMATION

Pump Start Time 1339
Pump Stop Time 1532
Minutes of Pumping 113
Volume of Water Removed ~4 gal
Did Well Go Dry? Y (N)

Sample Time 1415
Sample ID 82B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	(Filt) ~~Other (Specify)~~ Cyanide	(X)
(X)	(Unfilt) Cyanide	(X)
(X)	Sulfide	(X)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 021000028323
YSI 556 MPS 03C0392 (#2)

Time	Pump Rate (mL/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]*
1339	200	—	2.89	—	—	—	10	—	—
1345	150	0.2910	2.86	6.09	6.29	0.585	10	10.47	-27.2
1350	150	0.4894	2.88	6.18	6.24	0.586	7	2.14	-32.2
1355	120	0.6481	2.86	6.09	6.23	0.584	7	1.83	-37.0
1400	100	0.7804	2.86	6.17	6.26	0.580	5	1.92	-40.3
1405	100	0.9127	2.86	6.27	6.25	0.578	4	1.96	-43.4
1410	100	1.0450	2.85	6.16	6.24	0.575	4	1.85	-44.9

* 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

• Initial purge: Clear w/ some orangy-brown particles, moderate odor.
• Final purge: Clear w/ some orangy-brown particles, slight odor.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

PAGE 1 OF 1

GROUNDWATER SAMPLING LOG

Well No. 89A
Key No. 2537
PID Background (ppm) 0.00
Well Headspace (ppm) 0.00

Site/GMA Name GMA 3
Sampling Personnel PAUL ELLIPOULOS / JOE MORAN / KELLY BEACH
Date 5-2-05
Weather CLOUDY

WELL INFORMATION
Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From ____
Well Diameter 1.5"
Screen Interval Depth ≈ 43-48 Meas. From BGS
Water Table Depth 2.30' Meas. From TIC
Well Depth 47.30' Meas. From TIC
Length of Water Column 45.0
Volume of Water in Well 1.8gal
Intake Depth of Pump/Tubing 45 Meas. From TIC

Reference Point Identification
(TIC: Top of Inner (PVC) Casing)
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redeveloped? Y (N)

Sample Time 1508
Sample ID 89A
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
X	VOCs (Std. list)	X
	VOCs (Exp. list)	
	SVOCs	
	PCBs (Total)	
	PCBs (Dissolved)	
	Metals/Inorganics (Total)	
	Metals/Inorganics (Dissolved)	
	PCDDs/PCDFs	
	Pesticides/Herbicides	
X	Natural Attenuation	X
	Other (Specify)	

EVACUATION INFORMATION
Pump Start Time 1410
Pump Stop Time 1517
Minutes of Pumping 67
Volume of Water Removed 3.5gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type GEOPUMP
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 5556
HACH TURBIDIMETER

Time	Pump Rate (mL/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]*
1412	225	0	3.42	9.49	8.0	0.906	59	4.70	-142.7
1420	225	0.476	3.45	9.85	7.54	1.543	64	3.24	-162.7
1430	225	1.071	3.44	9.54	7.53	1.695	65	3.02	-141.8
1435	225	1.369	3.44	9.39	7.55	1.694	40	2.58	-145.5
1440	225	1.666	3.44	9.94	9.57	1.705	31	2.29	-149.6
1445	225	1.964	3.44	10.08	9.58	1.711	29	1.89	-150.3
1450	225	2.262	3.45	10.04	9.58	1.710	22	1.80	-152.8
1455	225	2.559	3.45	10.14	9.57	1.710	31	1.89	-154.6
1500	225	2857	3.48	10.08	9.58	1.714	23	1.84	-155.4
1505	225	3.155	3.48	9.97	9.58	1.715	31	1.85	-155.0

* 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 WITH PURGE - CLEAR, TURBID
FINAL PURGE - CLEAR, COLORLESS, SLIGHTLY TURBID
*BASE OF WELL SUBMERGED IN WATER

SAMPLE DESTINATION
Laboratory: SGS
Delivered Via: COURIER / UPS
Airbill #: ____

Field Sampling Coordinator: ____

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GROUNDWATER SAMPLING LOG

Well No. 89D-R
Key No. —
PID Background (ppm) 0.0
Well Headspace (ppm) 0.0

Site/GMA Name UNKAMET BROOK EAST
Sampling Personnel JJB
Date 4/26/05
Weather 65°F SUNNY

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 3.77' Meas. From GRADE
Well Diameter 2"
Screen Interval Depth 70.0 - 80.0' Meas. From T.I.C.
Water Table Depth 3.76' Meas. From T.I.C.
Well Depth 79.26' Meas. From T.I.C.
Length of Water Column 75.5'
Volume of Water in Well 12.30 GALLONS
Intake Depth of Pump/Tubing 75' Meas. From T.I.C.

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1610
Sample ID 89D-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1520
Pump Stop Time 1620
Minutes of Pumping 60
Volume of Water Removed ~2 GALLONS
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: GEO PUMP 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS

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]*
1520	100 ml.	—	3.68'	10.00	9.7	0.317	113	4.35	294.7
1525	100 ml.	.12	3.59'	9.88	5.43	0.319	102	4.18	316.6
1530	100 ml.	.25	3.58'	9.93	5.46	0.319	110	3.94	295.6
1535	100 ml.	.37	3.58'	9.53	5.59	0.322	121	4.02	281.3
1540	100 ml.	.50	3.58'	9.69	5.82	0.322	135	4.02	258.2
1545	100 ml.	.62	3.51'	9.69	6.11	0.339	104	3.99	241.3
1550	100 ml.	.75	3.51'	9.63	6.19	0.382	102	3.53	226.2
1555	100 ml.	.87	3.51'	9.53	6.22	0.391	102	3.55	216.2
1600	100 ml.	1.0	3.51'	9.61	6.78	0.385	111	3.54	212.2
1605	100 ml.	1.12	3.51'	9.61	6.23	0.389	110	3.54	205.3
1610	100 ml.	1.25	3.51'	9.57	6.23	0.382	109	3.57	203.2

* 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

INITIAL PURGE: CLEAR, SLIGHTLY TINGED, NO ODOR, NO SHEEN.
FINAL PURGE: CLEAR, SLIGHTLY TINGED, NO ODOR, NO SHEEN.

SAMPLE DESTINATION

Laboratory SGS ENVIRONMENTAL
Delivered Via COURIER / UPS
Airbill #:

Field Sampling Coordinator: [signature]

PAGE 1 OF 1

GROUNDWATER SAMPLING LOG

Well No. 89D-R
Key No. 2637
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel VLB, TDR
Date 5/2/05
Weather SUNNY, WINDY, 50°F

Sample Time 13:45
Sample ID 89D R
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.8' Meas. From GRADE
Well Diameter 2"
Screen Interval Depth 67.5' - 77.5' Meas. From BGS
Water Table Depth 3.43 Meas. From TIC
Well Depth 79.29 Meas. From TIC
Length of Water Column 76.13'
Volume of Water in Well 12.39 gal
Intake Depth of Pump/Tubing 75.3' Meas. From TIC

Reference Point Identification
"IC Top of Inner (PVC) Casing
TOC Top of Outer (Protective) Casing
Grade/BGS Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time VLB 12:45 ~~12:45~~ ~~13:45~~
Pump Stop Time 13:55
Minutes of Pumping 70 min
Volume of Water Removed 2.7 gal
Did Well Go Dry? Y (N)

Evacuation Method Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type GEOPUMP 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers YSI 556 03M0230AC#4
4 NTU TURBIDIMETER

Time	Purge 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]*
12:47	0.175	~~0~~	3.45				17		
12:51	0.175	0.185	3.48	9.56	7.40	2.967	9	4.27	162.2
12:56	0.175	0.417	3.50	9.23	6.99	2.938	7	0.64	49.6
13:01	0.175	0.648	3.53	9.19	7.36	2.932	7	0.40	-73.9
13:06	0.150	0.846	3.55	9.15	7.59	2.924	7	0.32	-131.0
13:11	0.150	1.045	3.55	9.18	7.76	2.902	7	0.32	-146.0
13:16	0.150	1.40	3.55	9.16	8.02	2.883	4	0.30	-159.1
13:20 VLB 13:25	0.150	1.598	3.55	9.09	8.16	2.876	4	0.28	-162.5
13:30	0.150	1.796	3.55	9.04	8.26	2.868	4	0.27	-196.3
13:35	0.150	1.995	3.56	9.02	8.33	2.856	4	0.35	-201.7
13:39	0.150	2.154	3.55	8.96	8.38	2.847	4	0.30	-205.2
13:43	0.150	2.313	3.55	8.95	8.40	2.839	4	0.27	-209.9

* 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

INITIAL PURGE: WEAK, COLORLESS ODORLESS
FINAL PURGE: CLEAR, COLORLESS, FAINT ODOR
CONCRETE PAD CRACKED/SHATTERED

SAMPLE DESTINATION

Laboratory SGS, ~~SGS~~ VLB
Delivered Via: COURIER, UPS
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 90A
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA3
Sampling Personnel ERC / DT
Date 4-4-05
Weather SUNNY 52°

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point 2'-4" Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 45-50 Meas. From —
Water Table Depth 5.08 Meas. From TOC
Well Depth 52.18 Meas. From TOC
Length of Water Column 47.10
Volume of Water in Well —
Intake Depth of Pump/Tubing 46 Meas. From TOC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1140
Sample ID 90A
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 10:30
Pump Stop Time 12:10
Minutes of Pumping 100
Volume of Water Removed ~ 5gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geo Pump
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #4 03M0230AC

Time	Pump Rate (mL/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]*
10:30	100	—	—	—	—	—	53	—	—
10:35	100	0.116	5.17	—	—	—	17	—	—
10:45	100	0.29	5.20	8.39	8.21	0.641	7	0.71	-239.6
10:50	100	0.42	5.20	8.32	8.15	0.643	9	0.39	-241.1
10:55	100	0.56	5.20	8.35	8.09	0.652	12	0.33	-244.3
11:00	100	0.69	5.20	8.29	8.09	0.669	10	0.27	-246.3
11:05	100	0.82	5.20	8.22	8.04	0.673	7	0.24	-242.5
11:10	100	0.95	5.21	7.81	7.93	0.679	5	0.20	-229.7
11:15	100	1.09	5.21	7.91	7.97	0.679	4	0.20	-224.8
11:20	100	1.22	5.21	7.83	7.91	0.685	4	0.19	-190.9
11:25	100	1.35	5.21	7.79	7.91	0.688	3	0.19	-184.0
11:30	100	1.48	5.21	7.78	7.87	0.690	3	0.18	-185.0

* 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 —

SAMPLE DESTINATION

Laboratory: —
Delivered Via: —
Airbill #: —

Field Sampling Coordinator: —

GROUNDWATER SAMPLING LOG

Well No. 90B
Key No.
PID Background (ppm)
Well Headspace (ppm)

Site/GMA Name GMA-3
Sampling Personnel SDK / JTT
Date 4-4-05
Weather SUNNY 50°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point — Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 8-11 — Meas. From BGS
Water Table Depth 5.46 — Meas. From TIC
Well Depth 12.70 — Meas. From TIC
Length of Water Column ~~7.36~~ 7.24
Volume of Water in Well 1.18 gal
Intake Depth of Pump/Tubing 9.5' — Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 14:40
Sample ID 90B
Duplicate ID —
MS/MSD =
Split Sample ID =

Required	Analytical Parameters:	Collected
(Y)	VOCs (Std. list)	(Y)
( )	VOCs (Exp. list)	( )
(Y)	SVOCs	(Y)
(Y)	PCBs (Total)	(Y)
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
(Y)	Pesticides/Herbicides	(Y)
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)
(X)	Cyanide (total + filtered) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 13:35
Pump Stop Time 16:05
Minutes of Pumping 150
Volume of Water Removed
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (Y) Submersible Pump ( ) Other/Specify ( )
Pump Type: GEO PUMP
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS
HACH TURBIDMETER

Time	Pump Rate (mL/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]*
13:37		—	5.61	—	—	—	197	—	—
13:42	100	—	5.61	—	—	—	93	—	—
13:47	100	—	5.57	8.94	7.42	0.633	27	2.00	-55.0
13:52	100		5.56	8.80	6.49	0.622	25	0.52	-37.7
13:57	101		5.56	8.57	6.47	0.608	16	0.32	-31.6
14:02	100		5.56	8.516	7.57	0.604	16	0.32	-29.6
14:07	100	0.75	5.616	8.61	6.49	0.589	9	0.26	-22.9
14:12	100		5.56	8.38	6.52	0.583	7	0.22	-24.7
14:17	100		5.56	8.51	6.53	0.575	7	0.22	-27.0
14:22	100		5.57	8.34	6.49	0.571	6	0.22	-25.5
14:27	100		5.57	8.08	6.50	0.568	5	0.22	-25.8
14:32	100		5.57	7.94	6.46	0.566	6	0.22	-25.6

* 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

SAMPLE DESTINATION

Laboratory:
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 95A
Key No. FX-37
PID Background (ppm) ____
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/JTG
Date 4/22/05
Weather Clear, 46°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~+1.5' Meas. From BGS
Well Diameter 1"
Screen Interval Depth 45-50' Meas. From BGS
Water Table Depth 6.28 Meas. From TIC
Well Depth 50.95 Meas. From TIC
Length of Water Column 44.67
Volume of Water in Well ____
Intake Depth of Pump/Tubing ~47.5' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 925
Sample ID 95A
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs (Limited)	(X)
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 817
Pump Stop Time 1010
Minutes of Pumping 113
Volume of Water Removed ~2.7gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 021000028323
YSI 5516 MPS 03C0392 (#2)

Time	Pump Rate (mL/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]*
817	100	0.03	6.70	—	—	—	73	—	—
822	120	0.19	7.16	—	—	—	50	—	—
832	90	0.43	8.78	7.36	6.80	0.209	26	4.82	-73.1
837	90	0.55	9.04	7.19	6.82	0.214	17	2.73	-103.0
842	100	0.68	9.19	7.33	6.95	0.216	16	1.92	-117.1
847	100	0.81	9.49	7.51	7.05	0.221	14	1.24	-133.8
852	100	0.94	9.58	7.72	7.10	0.223	11	1.05	-141.4
857	100	1.07	9.71	7.86	7.15	0.226	15	0.86	-144.6
902	100	1.20	9.85	8.05	7.19	0.227	15	0.96	-112.2
907	100	1.33	9.91	8.19	7.20	0.227	10	0.83	-108.2
910	100	1.41	9.98	8.20	7.22	0.230	8	0.83	-125.9
913	100	1.49	10.04	8.26	7.24	0.231	6	0.86	-138.5

* 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

Initial purge: Slightly orange in color w/ orangish-brown particles, no odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 95A
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/JTG
Date 4/22/05
Weather Sunny, 40°F

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Sample Time 925
Sample ID 95A
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
(X)	SVOCs (Limited)	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	( )
( )	Other (Specify)	( )

See Page 1

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: _____

Time	Pump Rate (mL/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]*
916	100	1.57	10.09	8.28	7.25	0.232	3	0.83	-144.6
919	100	1.65	10.13	8.31	7.25	0.233	4	0.77	-143.2
922	100	1.73	10.15	8.38	7.25	0.234	3	0.74	-141.8

* 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 _____

SAMPLE DESTINATION

Laboratory: STL
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. 95B-R
Key No. 2537
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/MAH
Date 4/21/05
Weather Sunny, 40°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~+2' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 8-11' Meas. From BGS
Water Table Depth 5.73' Meas. From TIC
13.61' Well Depth ~~13.33~~ Meas. From TIC
Length of Water Column 7.88
Volume of Water In Well 1.28
Intake Depth of Pump/Tubing 9.5' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 930
Sample ID 95B-R
Duplicate ID —
MS/MSD Collected
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs (Exp.)	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
(X)	Natural Attenuation	(X)
(X)	Other (Specify)	(X)
(X)	Cyanide-total	(X)
(X)	Cyanide-filtered	(X)
	Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 833
Pump Stop Time 1440
Minutes of Pumping 367
Volume of Water Removed 11.6 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 94110000016523
YSI 556 MPS 03C0392 (#2)

Time	Pump Rate (mL/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]*
834	140	0.037	5.44	—	—	—	33	—	—
842	125	0.30	5.42	7.34	6.90	0.707	16	~~MH~~ 2.85	-73.8
847	100	0.43	5.43	7.32	6.84	0.706	21	2.06	-79.8
852	100	0.56	5.45	7.44	6.87	0.706	19	1.41	-85.0
857	100	0.69	5.45	7.42	6.89	0.707	19	1.19	-87.5
902	100	0.82	5.45	7.41	6.91	0.708	15	1.12	-89.2
907	100	0.95	5.45	7.41	6.94	0.707	14	1.03	-91.0
912	100	1.08	5.45	7.51	6.95	0.706	12	0.99	-92.4
917	100	1.21	5.45	7.51	6.98	0.706	13	0.90	-94.1
920	100	1.29	5.45	7.47	6.98	0.706	10	0.93	-94.3
923	100	1.37	5.45	7.50	6.98	0.707	10	0.90	-95.0
926	100	1.45	5.45	7.53	6.97	0.706	9	0.89	-95.4

* 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
Initial purge: ~~(X)~~ Slightly yellow in color w/ orangy-brown particles, moderate odor (organic-sulfur).
Final purge: Clear w/ some particles, slight odor

SAMPLE DESTINATION
Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Makarz

C:\Documents and Settings\jap\Local Settings\Temp\MXLibDir\554199 Attachment 0-2.xls

GROUNDWATER SAMPLING LOG

Well No. 111A-R
Key No. 2537
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/MAH
Date 4/14/05
Weather Sunny, 50-60°F, Breezy

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point _____ Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 45-50' Meas. From BGS
Water Table Depth 12.41 Meas. From TIC
Well Depth 52.11' Meas. From TIC
Length of Water Column 39.70
Volume of Water in Well ~6.5 gal
Intake Depth of Pump/Tubing 47.8 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1500
Sample ID 111A-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1348
Pump Stop Time 1533
Minutes of Pumping 105
Volume of Water Removed ~2.2 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 021000028329
YSI 556 MPS 03C0392 (#1)

Time	Pump Rate (mL/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]*
1349	150	0.04	12.40	—	—	—	37	—	—
1356	100	0.17	13.26	12.43	8.07	0.932	11	3.16	-165.0
1401	100	0.30	13.67	12.04	6.78	0.940	12	0.52	-113.9
1406	100	0.43	14.07	11.82	7.02	0.939	12	0.37	-130.0
1411	100	0.56	14.30	12.00	7.60	0.937	11	0.28	-165.2
1416	100	0.69	14.56	12.05	7.96	0.933	12	0.27	-162.3
1421	100	0.82	14.79	12.06	8.08	0.941	12	0.23	-208.4
1426	100	0.95	14.90	11.95	9.75	0.958	13	0.19	-261.5
1431	100	1.08	15.07	11.92	9.90	0.967	13	0.17	-256.8
1436	100	1.21	15.17	11.84	9.93	0.976	11	0.17	-246.8
1441	100	1.35	15.29	11.67	9.67	0.982	12	0.16	-253.9
1446	100	1.48	15.37	11.77	9.79	0.981	11	0.16	-246.6

* 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 Initial purge: Clear w/ few particles, slight odor.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Rakoczy

GROUNDWATER SAMPLING LOG

Well No. 111A-R
Key No. 2537
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel MAH/JAP
Date 4/14/05
Weather Sunny, 50-60°F

See page 1

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ______ Meas. From ______
Well Diameter ______
Screen Interval Depth ______ Meas. From ______
Water Table Depth ______ Meas. From ______
Well Depth ______ Meas. From ______
Length of Water Column ______
Volume of Water in Well ______
Intake Depth of Pump/Tubing ______ Meas. From ______

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time ______
Sample ID ______
Duplicate ID ______
MS/MSD ______
Split Sample ID ______

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time ______
Pump Stop Time ______
Minutes of Pumping ______
Volume of Water Removed ______
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: ______
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: ______

Time	Pump Rate (mL/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]*
1451	100	1.61	15.47	11.87	9.87	0.981	10	0.18	-250.3
1456	100	1.74	15.55	11.68	9.80	0.970	10	0.16	-250.1

* 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 Final Purge: clear, colorless, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Rostcorz

GROUNDWATER SAMPLING LOG

Well No. 111B-R
Key No.
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel
Date 4-21-05
Weather 45°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 7-17' Meas. From BGS
Water Table Depth 13.53 Meas. From TIC
Well Depth 19.8 Meas. From TIC
Length of Water Column 6.27'
Volume of Water in Well 1.02gal
Intake Depth of Pump/Tubing ~15' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 9:40
Sample ID 111B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
(X)	Natural Attenuation	(X)
(X)	Other (Specify) cyanide filt/unfiltered sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 8:35
Pump Stop Time 11:30
Minutes of Pumping 175
Volume of Water Removed ~5gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS HACH TURBIDMETER

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]*
8:37	0.100	0.05	13.55	—	—	—	3	—	—
8:45	0.150	0.25	13.55	10.13	7.32	0.862	19	10.32	226.4
8:50	0.150	0.45	13.55	9.73	7.28	0.864	22	9.60	221.3
8:55	0.150	0.65	13.55	9.80	7.38	0.866	30	9.78	200.9
9:00	0.150	0.85	13.55	9.89	7.39	0.867	25	9.71	196.2
9:05	0.150	1.05	13.55	9.77	7.43	0.866	22	9.94	190.7
9:10	0.150	1.25	13.55	9.89	7.42	0.866	13 ~~22~~	9.84	181.7
9:15	0.150	1.45	13.55	10.03	7.42	0.867	10	9.84	177.8
9:20	0.150	1.65	13.55	10.07	7.43	0.866	9	10.11	191.2
9:25	0.150	1.85	13.55	10.36	7.51	0.866	9	9.85	177.0
9:30	0.150	2.05	13.55	10.41	7.45	0.864	8	10.16	140.0
9:35	0.150	2.25	13.55	10.54	7.44	0.865	8	10.17	130.4
9:40	0.150	2.45	13.55	10.51	7.44	0.866	8	10.21	133.5

* 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

SAMPLE DESTINATION

Laboratory: ~~TTPS~~ SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 114A
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name ~~114A~~ (TP) GMA-3
Sampling Personnel JAP/MAH
Date 4-21-05
Weather sunny 50°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~2.5' Meas. From GROUND
Well Diameter 1"
Screen Interval Depth 45-50 Meas. From BGS
Water Table Depth 3.8 Meas. From TIC
Well Depth 50 Meas. From TIC
Length of Water Column 46.2'
Volume of Water in Well
Intake Depth of Pump/Tubing 47.5' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1615
Sample ID 114A
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
(O)	Natural Attenuation	(X)
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1505
Pump Stop Time 1645
Minutes of Pumping 100
Volume of Water Removed ~2.1 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (O) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 94110000006523
YSI 556 MPS 03C0392 (#2)

Time	Pump Rate (mL/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]*
1507	100	0.05	6.45	—	—	—	86	—	—
1512	100	0.19	7.85	—	—	—	68	—	—
1517	100	0.32	8.95	—	—	—	60	—	—
1522	100	0.45	10.22	—	—	—	55	—	—
1527	100	0.58	11.25	—	—	—	52	—	—
1532	100	0.71	12.19	—	←	—	50	—	—
1539	100	0.84	13.29	13.72	7.81	0.210	45	2.50	-189.7
1544	100	0.97	13.88	13.48	7.82	0.211	49	1.59	-195.5
1549	100	1.10	~~13.70~~ (12)	13.70	7.85	0.210	46	0.94	-200.3
1554	100	1.23	14.85	13.62	7.88	0.212	42	0.91	-211.9
1559	100	1.36	15.26	13.73	7.91	0.215	40	0.81	-223.10
1604	100	1.49	15.57	13.79	7.91	0.217	40	0.76	-209.2

at level 14.46

* 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 Initial purge: Clear w/orangish-brown particles,

SAMPLE DESTINATION

Laboratory SGS
Delivered via UPS
Airbill #

Field Sampling Coordinator: Jill Akers

GROUNDWATER SAMPLING LOG

Well No. 114A
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel MAH/JAP
Date 4/21/05
Weather Sunny, 50's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter ____
Screen Interval Depth ____ Meas. From ____
Water Table Depth ____ Meas. From ____
Well Depth ____ Meas. From ____
Length of Water Column ____
Volume of Water in Well ____
Intake Depth of Pump/Tubing ____ Meas. From ____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time ____
Sample ID ____
Duplicate ID ____
MS/MSD ____
Split Sample ID ____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

See Page 1

EVACUATION INFORMATION

Pump Start Time ____
Pump Stop Time ____
Minutes of Pumping ____
Volume of Water Removed ____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: ____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: ____

Time	Pump Rate (mL/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]*
1607	100	1.57	15.78	13.80	7.91	0.218	39	0.75	-216.9
1610	100	1.65	15.95	13.88	7.91	0.219	39	0.70	-217.0

* 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 ____

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: ____

Field Sampling Coordinator: Jill Parker

GROUNDWATER SAMPLING LOG

Well No. 114B-R
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name 114B-R
Sampling Personnel SEK / AMC
Date 4-21-05
Weather Sunny 50°

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ~+2' Meas. From GROUND
Well Diameter 1"
Screen Interval Depth 5-10 Meas. From BGS
Water Table Depth 5.76 Meas. From TIC
Well Depth 15.35' Meas. From TIC
Length of Water Column 9.59'
Volume of Water in Well 1.56
Intake Depth of Pump/Tubing ~~10~~ 8' Meas. From TIC

Sample Time 14:40
Sample ID none
Duplicate ID none
MS/MSD none
Split Sample ID none

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
(X)	Natural Attenuation	(X)
(X)	Other (Specify) Cyanide (filt + unfilt) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 13:38
Pump Stop Time 16:38
Minutes of Pumping 180
Volume of Water Removed ~~7 gal~~ 4.4 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk System 1
Samples collected by same method as evacuation? Y (N) (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER, YSI 556 MPS

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]*
13:40	0.100	0.05	5.80	—	—	—	26	—	—
13:55	0.100	0.18	5.80	12.46	9.85	0.812	14	0.92	-40.3
14:00	0.100	0.31	5.80	11.56	9.32	0.812	14	1.58	-44.8
14:05	0.100	0.44	5.80	10.70	7.86	0.809	15	1.48	-56.7
14:10	0.1000	0.58	5.80	11.04	7.65	0.804	15	1.36	-59.2
14:15	0.100	0.71	5.80	11.14	7.31	0.808	13	1.15	-59.0
14:20	0.100	0.84	5.80	11.04	7.15	0.811	10	0.72	-58.0
14:25	0.100	0.97	5.80	12.02	7.11	0.806	9	0.62	-57.3
14:30	0.100	1.10	5.80	12.03	7.10	0.805	10	0.62	-58.2

* 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

SAMPLE DESTINATION
Laboratory SGS
Delivered Via UPS
Airbill # —

Field Sampling Coordinator: Jill Rhtkonz

C:\Documents and Settings\agrove\Local Settings\Temp\554199 Attachment C-2

GROUNDWATER SAMPLING LOG

Well No. 51-14
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP / TJT
Date 4/15/05
Weather Sunny, windy, 30-40° F

WELL INFORMATION

Reference Point Marked? Y (N) PVC cracked at top
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 5-15' Meas. From BGS
Water Table Depth 9.60 Meas. From TIC
Well Depth 15.01' Meas. From TIC
Length of Water Column 5.41'
Volume of Water in Well 0.88 gal
Intake Depth of Pump/Tubing ~12 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 930
Sample ID 51-14
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 830
Pump Stop Time 935
Minutes of Pumping 105
Volume of Water Removed ~1.35 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk system 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER
YSI 556 MPS

Time	Pump Rate (mL/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]*
831	100	0.03	9.60	—	—	—	39	—	—
842	100	0.16	9.63	8.97	6.50	0.407	81	8.48	198.0
847	100	0.29	9.61	8.58	6.52	0.406	42	7.73	195.5
852	100	0.42	9.61	8.37	6.52	0.406	26	7.48	195.7
857	100	0.55	9.61	8.30	6.54	0.408	17	7.41	197.3
902	100	0.68	9.61	8.26	6.58	0.411	12	7.25	195.8
907	100	0.81	9.61	8.18	6.59	0.412	9	7.37	196.8
912	100	0.94	9.61	8.17	6.53	0.412	7	7.35	198.1
917	100	1.07	9.61	8.16	6.56	0.414	5	7.25	199.7
922	100	1.20	9.61	8.13	6.56	0.414	4	7.39	200.7
927	100	1.33	9.61	8.24	6.54	0.416	4	7.23	205.3

* 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 INITIAL PURGE: Clear, slightly turbid, no odor.
FINAL PURGE: Clear, colorless, odorless

SAMPLE DESTINATION

Laboratory: SDS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jeff Pastorz

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GROUNDWATER SAMPLING LOG

Well No. GMA 3-2
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-3
Sampling Personnel GARIERR
Date 4/8/05
Weather Partly cloudy, 50°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.25' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 5.19'-15.19' Meas. From Ground
Water Table Depth 5.51' Meas. From TIC
Well Depth 14.94' Meas. From TIC
Length of Water Column 9.43'
Volume of Water in Well 1.54 gallons
Intake Depth of Pump/Tubing 10.25' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 12:30
Sample ID GMA 3-2
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 11:00
Pump Stop Time 12:30
Minutes of Pumping 90
Volume of Water Removed 2.40 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk - System One
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS : 03M0230AC
Hach 2100P Turbidimeter: 0210000028229

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]*
11:05	100 ml	0.13	5.58	—	—	—	29	—	—
11:15	100 ml	0.40	5.82	10.56	7.06	13.87	33	5.29	-139.2
11:20	100 ml	0.53	5.85	10.51	6.99	13.83	36	0.84	-135.1
11:25	100 ml	0.66	5.95	10.21	7.01	13.84	33	0.61	-134.2
11:30	100 ml	0.79	6.04	9.70	7.02	13.81	30	0.50	-130.4
11:35	100 ml	0.93	6.10	9.57	7.04	13.81	27	0.60	-126.8
11:40	100 ml	1.06	6.11	9.78	7.07	13.81	23	0.98	-127.6
11:45	100 ml	1.19	6.13	9.94	7.09	13.80	18	1.03	-126.3
11:50	100 ml	1.32	6.15	10.09	7.11	13.82	14	0.95	-124.3
11:55	100 ml	1.46	6.13	10.27	7.12	13.81	14	0.99	-125.2
12:00	100 ml	1.59	6.20	9.98	7.12	13.88	12	0.87	-123.0
12:05	100 ml	1.72	10.21	10.09	7.11	13.84	13	0.79	-122.4

* 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

Initial Purge: Clear, odorless
Final Purge:

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. GMA3-3
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name SEIL/TJTS
Sampling Personnel GMA3 D
Date 9-13-05
Weather Sunny 350

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point _____ Meas. From _____
Well Diameter 2"
Screen Interval Depth 7' Meas. From BGS
Water Table Depth 0.5 Meas. From TIC
Well Depth 12.06 Meas. From TIC
Length of Water Column 11.56
Volume of Water in Well 1.88gal
Intake Depth of Pump/Tubing _____ Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 10:10
Sample ID GMA3-3
Duplicate ID NO
MS/MSD NO
Split Sample ID NO

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(6)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(6)
(X)	PCBs (Total)	(6)
(X)	PCBs (Dissolved)	(6)
(X)	Metals/Inorganics (Total)	(6)
(X)	Metals/Inorganics (Dissolved)	(6)
(X)	PCDDs/PCDFs	(6)
(X)	Pesticides/Herbicides	(6)
( )	Natural Attenuation	( )
(6)	Other (Specify) Sulfide	(4)

Cyanide total/Dissolved

EVACUATION INFORMATION

Pump Start Time 8:05
Pump Stop Time 11:10
Minutes of Pumping 165
Volume of Water Removed ~6.5gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER
YSI 556 MPS

Time	Pump Rate (mL/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]*
9:38	100		.66	5.71	6.89	2.229	6	6.51	-110.3
8:45	100		.70	5.71	6.69	2.212	9	0.63	-101.0
9:50	100		.70	5.73	6.71	2.218	10	0.46	-98.9
9:00	100		.72	5.79	6.79	2.253	11	0.34	-98.6
9:05	100		0.76	5.86	6.87	2.296	11	0.29	-95.5
9:10	100	1.25	0.78	5.91	6.89	2.330	16	0.25	-93.7
9:15	100		0.80	5.94	6.93	2.373	10	0.25	-92.1
9:25	100	2.00	0.80	6.05	6.98	2.425	15	0.31	-89.3
9:30	100		0.81	6.02	7.00	2.445	15	0.23	-89.0
9:35	100		0.82	6.24	7.01	2.467	15	0.24	-88.5
9:40	100	2.5	0.83	6.21	7.03	2.484	13	0.24	-88.4
9:45	100		0.84	6.24	7.04	2.517	10	0.21	-87.1

* 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 * increase in temp Due to sun exposure

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: _____

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. GMA3-3
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name _____
Sampling Personnel _____
Date _____
Weather _____

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time _____
Sample ID _____
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: _____

Time	Pump Rate (mL/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]*
9:58	100		0.80	6.28	7.06	2.565	11	0.17	-83.3
10:00	100	3.75	0.88	6.50	7.06	2.594	10	0.16	-82.5

* 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 _____

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: _____

Field Sampling Coordinator: Jill Pistorius

GROUNDWATER SAMPLING LOG

Well No. GMA3-2
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-3
Sampling Personnel GAR/ERR
Date 4/8/05
Weather Partly cloudy, 50°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.25' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 5.19-15.19' Meas. From Ground
Water Table Depth 5.51' Meas. From TIC
Well Depth 14.94' Meas. From TIC
Length of Water Column 9.43'
Volume of Water in Well 1.54 gallons
Intake Depth of Pump/Tubing 10.25' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 12:30
Sample ID GMA3-2
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 11:00
Pump Stop Time 12:30
Minutes of Pumping 90
Volume of Water Removed 2.40 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk-System One
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS
Hach 2100P Turbidimeter

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]*
12:10	100ml	1.85	6.24	10.14	7.13	13.88	16	0.96	-122.0
12:15	100ml	1.98	6.21	10.45	7.13	13.86	15	0.91	-121.9
12:20	100ml	2.12	6.26	10.48	7.13	13.90	15	0.88	-122.5
12:25	100ml	2.25	6.23	10.55	7.13	13.89	15	0.85	-123.2

* 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

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. GMA3-4 | Site/GMA Name GMA-3
Key No. – | Sampling Personnel JAP/MAH
PID Background (ppm) – | Date 4/12/05
Well Headspace (ppm) – | Weather Sunny, 30's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-0.45' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 3.57-13.57' Meas. From BGS
Water Table Depth 5.83' Meas. From TIC
Well Depth 13.23' Meas. From TIC
Length of Water Column ~~1.4 gal~~ 7.4'
Volume of Water in Well ~~1.4 gal~~ 1.2gal
Intake Depth of Pump/Tubing ~9.5' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1110
Sample ID GMA3-4
Duplicate ID DUP-3
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION JP

Pump Start Time ~~855~~ 901
Pump Stop Time 1115
Minutes of Pumping 124
Volume of Water Removed ~3 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump (JP) Submersible Pump ( ) Other/Specify ( )
Pump Type: JP system 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 02100028323
YSI 556 MPS 03C0392 (#2)

Time	Pump Rate (mL/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]*
902	50	0.0132	5.82	—	—	—	39	—	—
907	70	0.16428	5.82	12.41	7.41	0.551	145	10.45	175.0
941	100	0.7751	5.83	12.24	7.44	0.550	124	9.59	156.6
946	100	0.9074	5.83	12.20	7.31	0.550	125	9.44	163.8
951	100	1.0397	5.82	12.23	7.34	0.548	~~112~~ 116	9.18	166.7
956	100	1.1719	5.82	12.24	7.24	0.547	105	9.13	177.5
1001	100	1.3042	5.82	12.21	7.30	0.545	100	9.34	170.8
1006	100	1.43765	5.82	12.26	7.32	0.545	89	9.44	176.6
1011	100	1.56888	5.82	12.42	7.23	0.545	63	9.53	180.0
1016	100	1.701	5.82	12.45	7.24	0.544	~~54~~ 49	9.50	179.0
1021	100	1.8334	5.83	12.60	7.29	0.543	37	9.41	172.3
1026	100	1.9657	5.83	12.65	7.25	0.542	33	9.56	179.0

936 *

* 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 Initial purge. Slightly turbid ~~clear~~ (JP) color, slightly yellow in color, no odor.

*Flow-thru cell almost full @ 920 but it was leaking; emptied it and checked fittings. Started refilling then stopped pump

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Pitkin

GROUNDWATER SAMPLING LOG

Well No. GMA3-4
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAE/MAH
Date 4/12/05
Weather Sunny, 40's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time _____
Sample ID _____
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

See Page 1

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: _____
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: _____

Time	Pump Rate (mL/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]*
1031	100	2.0980	5.83	12.65	7.27	0.541	26	9.56	177.2
1036	100	2.2303	5.83	12.70	7.25	0.538	22	9.50	176.4
1041	100	2.3626	5.83	12.64	7.24	0.535	23	9.58	177.8
1046	100	2.4949	5.84	12.74	7.26	0.531	15	9.44	178.0
1051	100	2.6272	5.84	12.79	7.26	0.527	13	9.56	178.3
1056	100	2.7595	5.83	12.89	7.27	0.524	13	9.58	179.5
1101	100	2.8918	5.83	12.93	7.26	0.521	10	9.58	179.2
1104	100	2.9712	5.83	12.94	7.27	0.520	9	9.70	180.0
1107	100	3.0506	5.83	12.93	7.27	0.519	9	9.64	180.9

* 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 Final purge: Clear, colorless, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Piskor

GROUNDWATER SAMPLING LOG

Well No. GMA3-6
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/MAH
Date 4/12/05
Weather Sunny, Windy, 40's (°F)

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-0.3' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 8-18' Meas. From BGS
Water Table Depth 9.55' Meas. From TIC
Well Depth 17.98' Meas. From TIC
Length of Water Column 8.43'
Volume of Water in Well 1.37
Intake Depth of Pump/Tubing ~14' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

EVACUATION INFORMATION

Pump Start Time 1250
Pump Stop Time 1557
Minutes of Pumping 187
Volume of Water Removed ~5.8gal
Did Well Go Dry? Y (N)

Sample Time 1455
Sample ID GMA3-6
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	~~Other/Specify~~ Cyanide - filtered	(X)
(X)	Cyanide - total	(X)
(X)	Sulfide	(X)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: ~~Master~~ System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER 0210000 28323
YSI 556 MPS 03C0392 (#2)

Time	Pump Rate (mL/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]*
1253	50	0.0397	9.516	—	—	—	439	—	—
1258	75	0.1389	9.59	—	—	—	307	—	—
1303	160	0.3505	9.58	—	—	—	267	—	—
1308	125	0.5158	9.59	—	—	—	268	—	—
1313	100	0.6481	9.59	—	—	—	202	—	—
1318	75	0.7473	9.58	—	—	—	165	—	—
1323	90	0.8603	9.58	—	—	—	140	—	—
1328	100	0.9986	9.59	—	—	—	117	—	—
1333	100	1.1309	9.60	—	—	—	102	—	—
1338	100	1.2633	9.61	—	—	—	81	—	—
1343	110	1.4087	9.60	—	—	—	67	—	—
1348	100	1.5410	9.60	—	—	—	56	—	—

* 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 Initial purge: yellow-orange in color w/yellow-orange chunks/large particles, slight odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Risberg

GROUNDWATER SAMPLING LOG

Well No. GMA3-5
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/MAH
Date 4/13/05
Weather Sunny, Breezy, High 40's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point a + 2.0 Meas. From BGS
Well Diameter 2"
Screen Interval Depth 4-14 Meas. From BGS
Water Table Depth 6.47 Meas. From TIC
Well Depth 15.45' Meas. From TIC
Length of Water Column 8.98
Volume of Water in Well 1.46 gal
Intake Depth of Pump/Tubing 10 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

EVACUATION INFORMATION

Pump Start Time 1406
Pump Stop Time 1650
Minutes of Pumping 164
Volume of Water Removed 24 gal
Did Well Go Dry? Y (N)

Sample Time 1505
Sample ID GMA3-5
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Cyanide (Total)	(X)
(X)	Cyanide (Fil.)	(X)
(X)	Sulfide	(X)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03C0392 (#2)
HACH TURBIDMETER 021000028323

Time	Pump Rate (mL/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]*
1408	175	0.09	6.50	—	—	—	9	—	—
1419	140	0.50	6.49	8.19	6.51	0.420	40	19.19	231.1
1424	100	0.63	6.50	7.66	6.51	0.420	36	6.82	225.0
1429	110	0.78	6.51	7.52	6.49	0.418	30	5.92	223.4
1434	100	0.91	6.50	7.44	6.44	0.416	24	5.44	214.4
1439	100	1.04	6.51	7.49	6.52	0.416	20	5.37	207.8
1444	100	1.17	6.50	7.52	6.52	0.416	14	5.19	200.2
1449	100	1.30	6.51	7.58	6.51	0.416	14	5.12	191.2
1454	100	1.43	6.51	7.61	6.51	0.415	13	5.00	184.5
1457	100	1.51	6.51	7.62	6.53	0.415	11	5.08	179.0
1500	100	1.59	6.52	7.67	6.51	0.414	10	4.92	175.0
1503	100	1.67	6.52	7.60	6.50	0.415	10	4.96	172.7

* 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 Initial purge: Clear, colorless, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Piskorz

GROUNDWATER SAMPLING LOG

Well No. GMA3-6 | Site/GMA Name GMA-3
Key No. | Sampling Personnel JAP / MAH
PID Background (ppm) — | Date 4/12/05
Well Headspace (ppm) — | Weather Sunny, Windy!, 40's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter ____
Screen Interval Depth ____ Meas. From ____
Water Table Depth ____ Meas. From ____
Well Depth ____ Meas. From ____
Length of Water Column ____
Volume of Water in Well ____
Intake Depth of Pump/Tubing ____ Meas. From ____

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time ____
Sample ID ____
Duplicate ID ____
MS/MSD ____
Split Sample ID ____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time ____
Pump Stop Time ____
Minutes of Pumping ____
Volume of Water Removed ____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: ____
Samples collected by same method as evacuation? Y N (specify)

See Page 1

Water Quality Meter Type(s) / Serial Numbers: ____

Time	Pump Rate (mL/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]*
1353	150	1.7394	9.60	—	—	—	46	—	—
1402	100	1.9775	9.60	10.24	6.63	0.877	39	4.64	-59.0
1407	105	2.1163	9.59	9.70	6.62	0.880	36	2.08	-57.4
1412	100	2.2487	9.59	9.55	6.62	0.883	31	1.97	-55.6
1417	100	2.3810	9.60	9.50	6.62	0.886	29	1.94	-55.2
1422	100	2.5133	9.600	9.48	6.61	0.889	23	1.86	-56.2
1427	100	2.64456	9.601	9.41	6.60	0.890	19	1.79	-57.0
1432	100	2.7779	9.59	9.33	6.62	0.895	16	1.70	-57.8
1437	100	2.9102	9.59	9.33	6.60	0.896	13	1.77	-58.3
1440	100	2.98896	9.60	9.28	6.60	0.899	12	1.77	-58.6
1443	115	3.0809	9.600	9.37	6.63	0.900	10	1.52	-59.5
1446	120	3.23896	9.59	9.35	6.60	0.901	9	1.44	-59.8
1449	120	3.3983	9.59	9.39	6.62	0.902	9	1.39	-60.0

* 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

Final purge: Clear, colorless, slight odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill MacCarthy

GROUNDWATER SAMPLING LOG

Well No. GMA3-7
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA3
Sampling Personnel JT, JCM
Date 4/11/05
Weather Sunny 45°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From bgs
Well Diameter 2"
Screen Interval Depth 16-20 Meas. From TIC
Water Table Depth 12.15 Meas. From TIC
Well Depth 19.80 Meas. From TIC
Length of Water Column 7.65
Volume of Water in Well 1.25 gal
Intake Depth of Pump/Tubing 16.00 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time GMA3-7 1405 (Time)
Sample ID ____
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide, Cyanide - filt + unfilt	(X)

Appendix IX NO PEST/HERB

EVACUATION INFORMATION

Pump Start Time 1310
Pump Stop Time 1500
Minutes of Pumping 110
Volume of Water Removed ~3.8 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH Turbidimeter 2100P
YSI 556MPS

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]*
1310	100	—	12.32	—	—	—	26	—	—
1315	100	0.1588	12.34	—	—	—	—	—	—
1320	100	0.2911	12.36	8.61	6.57	0.598	22	12.39	100.3
1325	100	0.4234	12.36	8.40	6.48	0.623	18	8.67	123.6
1330	100	0.5557	12.37	8.95	6.54	0.632	18	8.32	125.5
1335	100	0.6880	12.37	9.26	6.60	0.642	12	8.36	126.3
1340	100	0.8203	12.38	9.13	6.63	0.655	10	8.38	125.9
1345	100	0.9526	12.39	9.19	6.64	0.656	11	8.33	125.8
1350	100	1.0849	12.40	9.19	6.65	0.662	9	8.32	125.5
1355	100	1.2172	12.40	9.20	6.66	0.661	8	8.32	125.0
1400	100	1.3495	12.40	9.20	6.67	0.664	7	8.34	125.0

* 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

SAMPLE DESTINATION

Laboratory: STL
Delivered Via: Courier/UPS
Airbill #: ____

Field Sampling Coordinator: Jill Fiskop

GROUNDWATER SAMPLING LOG

Well No. GMA3-8
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA3
Sampling Personnel TJ JCM
Date 4/11/05
Weather Sunny 45°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 5-15' Meas. From ~~TOS~~ TIC
Water Table Depth 8.60 Meas. From TIC
Well Depth 15.51 Meas. From TIC
Length of Water Column 6.91
Volume of Water in Well 1.13 gal
Intake Depth of Pump/Tubing 12.06' Meas. From TIC

Sample Time 1210
Sample ID GMA3-8
Duplicate ID —
MS/MSD —
Split Sample ID —

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1110
Pump Stop Time 1215
Minutes of Pumping 65
Volume of Water Removed ~1.5 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: GEOPUMP 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDIMETER 2100P
YSI 556MPS

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]*
1115	100ml/min	0.1323	8.68	—	—	—	49	—	—
1120 *	100	0.2646							
1125	100	0.3969							
1130	100	0.5292	8.79	8.07	6.65	0.742	21	5.07	-89.9
1135	100	0.6615	~~7.95~~	7.95	6.24	0.737	16	0.84	-70.2
1140	100	0.7938	8.84	8.11	6.49	0.737	11	0.73	-86.2
1145	100	0.9261	8.85	8.01	6.76	0.739	9	0.76	-100.7
1150	100	1.0584	8.87	8.01	7.01	0.741	8	0.68	-113.9
1155	100	1.1907	8.87	8.10	7.11	0.742	9	0.64	-121.9
1200	100	1.3230	8.88	7.92	7.20	0.744	8	0.62	-127.1
1205	100	1.4553	8.89	7.91	7.19	0.746	8	0.58	-126.7

* 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 Samples to be analyzed by Method 8260B

* @ Time 1120 pump shutoff due to leaking YSI flow-through cell, pump started again @ 1125
1135 water level depth 8.81

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: Courier/UPS
Airbill #:

Field Sampling Coordinator: Jill Piskorz

C:\Documents and Settings\ubeach\Local Settings\Temp\554199 Attachment D-2.xls

GROUNDWATER SAMPLING LOG

Well No. GMA3-9
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name GMA3
Sampling Personnel JT
Date 4/12/05
Weather SUNNY 45°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point _____ Meas. From bgs
Well Diameter 2"
Screen Interval Depth 3-13
Water Table Depth 3.75' Meas. From TIC
Well Depth 12.52' Meas. From TIC
Length of Water Column 8.77'
Volume of Water in Well 1.43 gal
Intake Depth of Pump/Tubing 8.14' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1010
Sample ID GMA3-9
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 850
Pump Stop Time 1015
Minutes of Pumping 85
Volume of Water Removed ~2 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Etopump2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH 2100P TURBIDIMETER 02020025376
YSI 556MPS

Time	Pump Rate (mL/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]*
855	100 ml/min	0.13	4.11	—	—	—	156	—	—
900	100	0.26	4.12	—	—	—	108	—	—
905	100	0.40	4.13	—	—	—	85	—	—
910	100	0.53	4.14	—	—	—	47	—	—
915	100	0.66	4.14	5.99	5.68	0.619	31	2.41	56.3
920	100	0.79	4.14	5.91	5.22	0.619	25	0.81	76.7
925	100	0.93	4.14	5.87	4.83	0.622	24	0.47	89.5
930	100	1.06	4.14	6.22	4.82	0.622	16	0.38	88.3
935	100	1.19	4.14	6.88	5.06	0.625	12	0.31	76.4
940	100	1.32	4.14	7.05	5.36	0.629	10	0.30	61.7
945	100	1.46	4.14	7.06	5.67	0.629	9	0.27	48.6
950	100	1.59	4.15	7.09	5.80	0.630	7	0.25	41.5

* 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 Initial purge: TURBID, ORANGE TINGE, COARSE
Final purge:
* Temperature fluctuations due to direct sunlight exposure to flow-through cell and tubing

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: Courier
Airbill #: _____

Field Sampling Coordinator: Jill Peters

GROUNDWATER SAMPLING LOG

Well No. GMA3-9
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name GMA3
Sampling Personnel TJT
Date 4/12/05
Weather Sunny 40°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point _____ Meas. From _____
Well Diameter 2"
Screen Interval Depth 3-13 Meas. From TIC
Water Table Depth 3.75 Meas. From TIC
Well Depth 12.52 Meas. From TIC
Length of Water Column 8.77
Volume of Water in Well _____
Intake Depth of Pump/Tubing 9.14 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1010
Sample ID GMA3-9
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 850
Pump Stop Time 1015
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH 2100P TURBIDIMETER 02020025376
YSI 556 MPS

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]*
955	100	1.72	4.15	6.88	5.98	0.632	6	0.25	32.1
1000	100	1.85	4.15	6.96	6.00	0.631	6	0.22	31.0
1005	100	1.98	4.16	7.05	6.02	0.631	5	0.20	31.9

* 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 _____

SAMPLE DESTINATION

Laboratory: STL
Delivered Via: Courier
Airbill #: _____

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. OBG-2
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel MAH & JAP
Date 4/14/05
Weather Sunny, 40°F

WELL INFORMATION

Reference Point Marked? (Y)* N even
Height of Reference Point — Meas. From GROUND
Well Diameter 3"
Screen Interval Depth 3-14.4' Meas. From BGS
Water Table Depth 3.93' Meas. From TIC
Well Depth 14.16' Meas. From TIC
Length of Water Column 10.16'
Volume of Water in Well
Intake Depth of Pump/Tubing ~9.3' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1125
Sample ID OBG-2
Duplicate ID —
MS/MSD Collected
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 828
Pump Stop Time 1135
Minutes of Pumping 187
Volume of Water Removed ~4.5gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDIMETER 021000028329
YSI 556 MPS 03C0392 (4)

Time	Pump Rate (mL/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]*
828	100	—	4.18	—	—	—	341	—	—
833	100	0.13	4.78	—	—	—	834	—	—
838	100	0.27	4.98	—	—	—	667	—	—
843	100	0.40	5.01	—	—	—	538	—	—
848	100	0.53	4.95	—	—	—	607	—	—
903	110	0.97	4.95	—	—	—	258	—	—
918	90	1.33	4.85	—	—	—	170	—	—
933	90	1.69	4.99	—	—	—	132	—	—
948	90	2.05	4.96	—	—	—	69	—	—
953	100	2.18	4.96	—	—	—	63	—	—
958	110	2.33	4.95	—	—	—	45	—	—
1029	100	3.15	4.86	11.26	6.44	0.527	34	0.44	-61.5

* 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

Initial purge: clear then dark orangy-brown in color, w/ orange particles, slight odor.

* ~~Initial purge~~ Well open, damaged and uncovered; Needs to be repaired!

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. OBG-2
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP/MAH
Date 4/14/05
Weather Sunny, 40's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ______ Meas. From ______
Well Diameter ______
Screen Interval Depth ______ Meas. From ______
Water Table Depth ______ Meas. From ______
Well Depth ______ Meas. From ______
Length of Water Column ______
Volume of Water in Well ______
Intake Depth of Pump/Tubing ______ Meas. From ______

Sample Time ______
Sample ID ______
Duplicate ID ______
MS/MSD ______
Split Sample ID ______

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

See Page

Redevelop? Y N

EVACUATION INFORMATION

Pump Start Time ______
Pump Stop Time ______
Minutes of Pumping ______
Volume of Water Removed ______
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: ______
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: ______

Time	Pump Rate (mL/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]*
1034	90	3.27	4.85	10.79	5.84	0.528	32	0.37	-25.0
1039	100	3.40	4.95	10.52	6.45	0.531	32	0.37	-54.8
1044	100	3.53	4.91	10.77	6.05	0.528	30	0.37	-44.1
1049	100	3.66	4.95	10.77	6.44	0.528	23	0.40	-54.1
1054 (JP) ~~1053~~	100	3.79	4.85	10.82	6.36	0.529	23	0.33	-54.2
1059 (JP) ~~1059~~	100	3.92	4.87	11.38	6.38	0.528	20	0.38 (JP)	-55.8
1104 (JP) ~~1103~~	100	4.05	4.81	11.59	6.37	0.527	20	0.43	-47.8
1107 (JP) ~~1106~~	100	4.13	4.81	11.89	6.69	0.527	16	0.46	-60.0
~~1109~~ (JP) 1110	100	4.21	4.78	11.88	6.68	0.529	17	0.42	-62.4
1113	100	4.29	4.76	11.89	6.57	0.528	17	0.40	-59.2
1116	100	4.37	4.78	12.08	6.63	0.529	17	0.39	-59.2
1119	100	4.45	4.81	12.24	6.61	0.532	17	0.35	-57.7

* 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 Final purge: Clear, colorless, no odor.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Pastorz

GROUNDWATER SAMPLING FIELD LOG

Well No. —
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel GAR
Date 4/22/05
Weather Clear, 50°F

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of pump/tubing _____ Meas. From _____

Reference Point Identification:
TIC: Top of Inner (PVC) casing
TOC: Top of outer (protective) casing
Grade/BGS: Ground Surface

Redevelop? Y N

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of water removed _____
Did well go dry? Y N

Sample Time 14:30
Sample ID Rinse Blank-2
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp.list)	(X)
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorg. (Total)	(X)
(X)	Metals/Inorg. (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pest/Herb	(X)
(X)	Natural Attenuation	(X)
( )	Other (Specify)	( )

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk-System One
Samples collected by same method as evacuation? Y N(specify)

Water Quality Meter Type(s) / Serial Numbers: —

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celcius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10%]*	ORP (mV) [10 mV]*

* 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 An equipment rinse blank was collected by pouring lab supplied distilled water through a decanned bladder pump bladder and into lab supplied sample containers

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator [signature]

Appendix C

LNAPL Monitoring and Recovery Data

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

TABLE C-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA
JANUARY 2005 - JUNE 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
002A	994.16	1/18/2005	7.47	---	0.00	9.38	986.69	---
002A	994.16	4/7/2005	6.75	---	0.00	55.05	987.41	---
002A	994.16	4/19/2005	7.56	---	0.00	55.19	986.60	---
006B-R	993.62	1/18/2005	6.01	---	0.00	14.73	987.61	---
006B-R	993.62	4/6/2005	4.99	---	0.00	14.77	988.63	---
006B-R	993.62	4/19/2005	6.66	---	0.00	14.78	986.96	---
016A	991.77	4/8/2005	5.48	---	0.00	51.02	986.29	---
016A	991.77	4/19/2005	5.55	---	0.00	51.02	986.22	---
016B-R	994.87	1/18/2005	8.71	---	0.00	16.37	986.16	---
016B-R	994.87	4/8/2005	8.41	---	0.00	16.22	986.46	---
016B-R	994.87	4/19/2005	8.71	---	0.00	16.40	986.16	---
016C-R	991.47	1/18/2005	7.31	---	0.00	95.42	984.16	---
016C-R	991.47	4/11/2005	6.90	---	0.00	94.82	984.57	---
016C-R	991.47	4/19/2005	7.50	---	0.00	94.94	983.97	---
016C-R	991.47	4/20/2005	7.57	---	0.00	103.03	983.90	---
016C-R	991.47	4/27/2005	7.48	---	0.00	102.10	983.99	---
039B-R	991.97	1/18/2005	5.48	---	0.00	13.84	986.49	---
039B-R	991.97	4/7/2005	5.14	---	0.00	13.88	986.83	---
039B-R	991.97	4/19/2005	5.70	---	0.00	13.85	986.27	---
039D	992.16	1/18/2005	5.43	---	0.00	66.09	986.73	---
039D	992.16	4/7/2005	4.73	---	0.00	66.10	987.43	---
039D	992.16	4/19/2005	5.54	---	0.00	66.25	986.62	---
039E	992.21	1/18/2005	4.94	---	0.00	> 151.00	987.27	---
039E	992.21	4/13/2005	4.65	---	0.00	240.35	987.56	---
039E	992.21	4/19/2005	5.19	---	0.00	240.90	987.02	---
043A	993.79	1/19/2005	5.18	---	0.00	51.52	988.61	---
043A	993.79	4/12/2005	4.99	---	0.00	51.28	988.80	---
043A	993.79	4/19/2005	5.35	---	0.00	51.52	988.44	---
043B	993.61	1/19/2005	5.40	---	0.00	16.24	988.21	---
043B	993.61	4/7/2005	5.01	---	0.00	21.40	988.60	---
043B	993.61	4/19/2005	5.74	---	0.00	21.42	987.87	---
050B	991.76	1/19/2005	2.70	---	0.00	15.01	989.06	---
050B	991.76	4/19/2005	2.78	---	0.00	15.05	988.98	---
054B	987.96	1/19/2005	Frozen at 3.06				NA	---
054B-R	991.49	4/20/2005	4.51	---	0.00	15.64	986.98	---
054B-R	991.49	4/22/2005	4.46	---	0.00	15.50	987.03	---
054B-R	991.49	4/27/2005	4.29	---	0.00	15.54	987.20	---
078B-R	988.83	1/19/2005	Could Not Find Under Ice				NA	---
078B-R	988.83	4/7/2005	0.41	---	0.00	11.74	988.42	---
078B-R	988.83	4/22/2005	1.72	---	0.00	11.71	987.11	---
082B-R	989.90	1/19/2005	3.48	---	0.00	11.81	986.42	---
082B-R	989.90	4/11/2005	2.84	---	0.00	11.81	987.06	---
082B-R	989.90	4/19/2005	3.41	---	0.00	11.79	986.49	---
089A	985.76	4/19/2005	2.14	---	0.00	47.30	983.62	---
089B	986.03	4/19/2005	2.47	---	0.00	8.85	983.56	---
089D-R	987.11	4/6/2005	0.70	---	0.00	79.20	986.41	---
089D-R	987.11	4/19/2005	3.38	---	0.00	79.28	983.73	---
089D-R	987.11	4/26/2005	3.96	---	0.00	79.26	983.15	---

TABLE C-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA
JANUARY 2005 - JUNE 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
090A	988.07	4/14/2005	5.08	---	0.00	52.18	982.99	---
090A	988.07	4/19/2005	4.77	---	0.00	51.28	983.30	---
090B	989.10	4/14/2005	5.46	---	0.00	12.70	983.64	---
090B	989.10	4/19/2005	5.89	---	0.00	12.85	983.21	---
095A	987.18	1/19/2005	6.00	---	0.00	51.00	981.18	---
095A	987.18	4/19/2005	6.15	---	0.00	49.91	981.03	---
095A	987.18	4/22/2005	6.28	---	0.00	50.95	980.90	---
095B-R	986.24	1/19/2005	5.20	---	0.00	15.57	981.04	---
095B-R	986.24	4/19/2005	5.38	---	0.00	13.56	980.86	---
095B-R	986.24	4/21/2005	5.73	---	0.00	13.61	980.51	---
095C	988.16	1/19/2005	2.68	---	0.00	NM	985.48	---
111A-R	997.35	1/18/2005	12.44	---	0.00	52.05	984.91	---
111A-R	997.35	4/14/2005	12.41	---	0.00	52.11	984.94	---
111A-R	997.35	4/19/2005	12.70	---	0.00	52.00	984.65	---
111B	996.75	1/18/2005	12.41	P	< 0.01	16.35	984.34	---
111B-R	997.48	3/30/2005	12.75	---	0.00	17.18	984.73	---
111B-R	997.48	3/31/2005	13.01	---	0.00	17.18	984.47	---
111B-R	997.48	4/19/2005	13.45	---	0.00	19.81	984.03	---
111B-R	997.48	4/21/2005	13.53	---	0.00	19.80	983.95	---
114A	986.16	1/19/2005	5.55	---	0.00	52.32	980.61	---
114A	986.16	4/19/2005	5.62	---	0.00	52.18	980.54	---
114A	986.16	4/21/2005	5.80	---	0.00	52.00	980.36	---
114B-R	985.54	1/19/2005	5.72	---	0.00	15.36	979.82	---
114B-R	985.54	4/19/2005	5.73	---	0.00	15.34	979.81	---
114B-R	985.54	4/21/2005	5.76	---	0.00	15.35	979.78	---
51-05	996.44	1/20/2005	9.49	9.45	0.04	12.41	986.99	---
51-05	996.44	2/23/2005	9.86	9.83	0.03	12.55	986.61	---
51-05	996.44	3/31/2005	9.55	9.35	0.20	12.46	987.08	0.123
51-05	996.44	3/31/2005	9.55	9.35	0.20	12.46	987.08	---
51-05	996.44	4/19/2005	9.17	9.16	0.01	12.34	987.28	---
51-05	996.44	5/24/2005	8.70	---	0.00	12.38	987.74	---
51-05	996.44	6/28/2005	5.95	5.93	0.02	12.54	990.51	---
51-06	997.36	1/20/2005	10.10	P	< 0.01	14.57	987.26	---
51-06	997.36	2/23/2005	Buried Under Ice & Snow				NA	---
51-06	997.36	4/5/2005	9.70	---	0.00	14.61	987.66	---
51-06	997.36	4/19/2005	9.76	---	0.00	14.59	987.60	---
51-06	997.36	5/24/2005	10.30	---	0.00	14.64	987.06	---
51-06	997.36	6/28/2005	10.90	---	0.00	14.60	986.46	---
51-07	997.08	1/19/2005	Buried beneath snow pile				NA	---
51-07	997.08	2/23/2005	Buried Under Large Snow Pile				NA	---
51-07	997.08	4/5/2005	Buried beneath ice and snow pile				NA	
51-07	997.08	4/19/2005	9.63	---	0.00	11.22	987.45	---
51-07	997.08	5/24/2005	10.25	---	0.00	11.28	986.83	---
51-07	997.08	6/28/2005	10.60	---	0.00	11.20	986.48	---
51-08	997.08	1/7/2005	10.80	10.60	0.20	14.66	986.47	---
51-08	997.08	1/14/2005	11.15	10.50	0.65	14.65	986.53	0.401
51-08	997.08	1/19/2005	10.20	10.11	0.09	14.79	986.96	---

TABLE C-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA
JANUARY 2005 - JUNE 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
51-08	997.08	1/28/2005	10.45	10.42	0.03	14.67	986.66	---
51-08	997.08	2/5/2005	10.60	10.55	0.05	14.66	986.53	---
51-08	997.08	2/11/2005	10.58	10.55	0.03	14.68	986.53	---
51-08	997.08	2/23/2005	10.60	10.55	0.05	14.68	986.53	---
51-08	997.08	2/25/2005	10.61	10.55	0.06	14.68	986.53	---
51-08	997.08	3/4/2005	10.80	10.70	0.10	14.70	986.37	---
51-08	997.08	3/11/2005	10.90	10.70	0.20	14.68	986.37	---
51-08	997.08	3/18/2005	11.70	10.81	0.89	14.68	986.21	0.549
51-08	997.08	3/24/2005	11.35	10.68	0.67	14.67	986.35	0.413
51-08	997.08	3/31/2005	10.81	10.17	0.64	14.67	986.87	0.395
51-08	997.08	4/6/2005	9.58	9.56	0.02	14.68	987.52	---
51-08	997.08	4/15/2005	9.81	9.74	0.07	14.66	987.34	---
51-08	997.08	4/19/2005	9.88	9.84	0.04	14.66	987.24	---
51-08	997.08	4/29/2005	10.02	10.01	0.01	14.66	987.07	---
51-08	997.08	5/6/2005	9.97	9.95	0.02	14.66	987.13	---
51-08	997.08	5/12/2005	10.14	10.11	0.03	14.66	986.97	---
51-08	997.08	5/19/2005	10.29	10.26	0.03	14.67	986.82	---
51-08	997.08	5/24/2005	10.43	10.41	0.02	14.66	986.67	---
51-08	997.08	6/2/2005	10.56	10.51	0.05	14.66	986.57	---
51-08	997.08	6/10/2005	10.85	10.75	0.10	14.66	986.32	---
51-08	997.08	6/16/2005	11.30	10.82	0.48	14.66	986.23	0.296
51-08	997.08	6/23/2005	11.40	10.75	0.65	14.65	986.28	0.401
51-08	997.08	6/28/2005	12.08	10.90	1.18	14.65	986.10	0.728
51-09	997.70	1/20/2005	9.53	---	0.00	11.61	988.17	---
51-09	997.70	2/23/2005	9.95	---	0.00	11.56	987.75	---
51-09	997.70	4/5/2005	9.02	---	0.00	11.58	988.68	---
51-09	997.70	4/19/2005	9.27	---	0.00	11.61	988.43	---
51-09	997.70	5/24/2005	10.20	---	0.00	11.60	987.50	---
51-09	997.70	6/28/2005	10.85	---	0.00	11.57	986.85	---
51-11	994.37	1/20/2005	7.17	---	0.00	13.40	987.20	---
51-11	994.37	2/28/2005	Buried in Snow				NA	---
51-11	994.37	4/5/2005	6.20	---	0.00	13.40	988.17	---
51-11	994.37	4/19/2005	7.37	---	0.00	13.42	987.00	---
51-11	994.37	5/24/2005	8.13	---	0.00	13.41	986.24	---
51-11	994.37	6/28/2005	8.49	---	0.00	13.44	985.88	---
51-12	996.55	1/20/2005	6.52	---	0.00	11.10	990.03	---
51-12	996.55	2/28/2005	7.21	---	0.00	11.13	989.34	---
51-12	996.55	4/5/2005	6.58	---	0.00	11.21	989.97	---
51-12	996.55	4/19/2005	7.04	---	0.00	11.68	989.51	---
51-12	996.55	5/24/2005	7.45	---	0.00	11.80	989.10	---
51-12	996.55	6/28/2005	7.53	---	0.00	13.30	989.02	---
51-13	997.42	1/20/2005	Dry	---	0.00	10.05	< 987.37	---
51-13	997.42	2/28/2005	Dry	---	0.00	10.02	< 987.40	---
51-13	997.42	4/5/2005	9.78	---	0.00	10.02	987.64	---
51-13	997.42	4/19/2005	Dry	---	0.00	10.02	< 987.40	---
51-13	997.42	5/24/2005	DRY	---	0.00	10.05	< 987.37	---
51-13	997.42	6/28/2005	DRY	---	0.00	10.02	< 987.40	---
51-14	996.77	1/20/2005	9.93	---	0.00	15.02	986.84	---

TABLE C-1
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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
51-14	996.77	2/23/2005	10.32	---	0.00	15.00	986.45	---
51-14	996.77	4/5/2005	9.16	---	0.00	15.00	987.61	---
51-14	996.77	4/15/2005	9.60	---	0.00	15.01	987.17	---
51-14	996.77	4/19/2005	9.76	---	0.00	15.01	987.01	---
51-14	996.77	5/24/2005	8.82	---	0.00	15.00	987.95	---
51-14	996.77	6/28/2005	10.66	---	0.00	14.98	986.11	---
51-15	996.43	1/20/2005	9.45	9.44	0.01	14.48	986.99	---
51-15	996.43	2/23/2005	9.65	---	0.00	14.50	986.78	---
51-15	996.43	3/31/2005	9.48	9.34	0.14	14.48	987.08	0.086
51-15	996.43	3/31/2005	9.48	9.34	0.14	14.48	987.08	---
51-15	996.43	4/19/2005	9.17	9.16	0.01	14.48	987.27	---
51-15	996.43	5/24/2005	9.91	---	0.00	14.50	986.52	---
51-15	996.43	6/28/2005	10.11	---	0.00	14.48	986.32	---
51-16R	996.39	1/20/2005	9.38	---	0.00	14.55	987.01	---
51-16R	996.39	2/23/2005	9.83	9.79	0.04	14.56	986.60	---
51-16R	996.39	3/31/2005	9.29	---	0.00	14.54	987.10	---
51-16R	996.39	3/31/2005	9.29	---	0.00	14.54	987.10	---
51-16R	996.39	4/19/2005	9.21	9.16	0.05	14.53	987.23	---
51-16R	996.39	5/24/2005	9.78	9.69	0.09	14.55	986.69	---
51-16R	996.39	6/28/2005	10.50	10.30	0.20	14.55	986.08	---
51-17	996.43	1/19/2005	10.49	9.10	1.39	14.56	987.23	0.858
51-17	996.43	2/23/2005	10.81	9.56	1.25	14.49	986.78	---
51-17	996.43	3/31/2005	10.47	9.02	1.45	14.49	987.31	0.895
51-17	996.43	3/31/2005	10.47	9.02	1.45	14.49	987.31	---
51-17	996.43	4/19/2005	9.11	9.07	0.04	14.49	987.36	---
51-17	996.43	5/24/2005	Well was paved over; needs to be replaced				NA	---
51-17	996.43	6/28/2005	Paved over				NA	
51-18	997.12	1/19/2005	10.10	---	0.00	12.70	987.02	---
51-18	997.12	2/23/2005	10.53	---	0.00	12.59	986.59	---
51-18	997.12	4/5/2005	9.40	---	0.00	12.60	987.72	---
51-18	997.12	4/19/2005	9.98	---	0.00	12.58	987.14	---
51-18	997.12	5/24/2005	10.46	---	0.00	12.60	986.66	---
51-18	997.12	6/28/2005	11.10	---	0.00	12.60	986.02	---
51-19	996.43	1/19/2005	10.57	9.45	1.12	14.16	986.90	0.690
51-19	996.43	2/23/2005	10.80	9.90	0.90	14.00	986.47	---
51-19	996.43	3/31/2005	10.37	9.29	1.08	14.04	987.06	0.666
51-19	996.43	3/31/2005	10.37	9.29	1.08	14.04	987.06	---
51-19	996.43	4/19/2005	10.28	9.30	0.98	14.02	987.06	---
51-19	996.43	5/24/2005	10.55	9.81	0.74	14.05	986.57	0.457
51-19	996.43	6/28/2005	Submerged in large puddle of rain water				NA	
51-21	1001.49	1/5/2005	15.00	P	< 0.01	NM	986.49	3.411
51-21	1001.49	1/13/2005	15.02	P	< 0.01	NM	986.47	2.274
51-21	1001.49	1/19/2005	14.45	---	0.00	NM	987.04	2.274
51-21	1001.49	1/25/2005	14.71	P	< 0.01	NM	986.78	2.274
51-21	1001.49	2/2/2005	14.98	---	0.00	NM	986.51	4.548
51-21	1001.49	2/9/2005	15.15	P	< 0.01	NM	986.34	2.274
51-21	1001.49	2/16/2005	14.88	---	0.00	NM	986.61	2.274
51-21	1001.49	2/22/2005	14.88	P	< 0.01	NM	986.61	2.274

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Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
51-21	1001.49	3/2/2005	15.09	P	< 0.01	NM	986.40	3.411
51-21	1001.49	3/10/2005	15.14	15.13	0.01	NM	986.36	5.685
51-21	1001.49	3/16/2005	15.24	P	< 0.01	NM	986.25	2.274
51-21	1001.49	3/24/2005	15.18	P	< 0.01	NM	986.31	5.685
51-21	1001.49	3/31/2005	14.38	P	< 0.01	NM	987.11	5.685
51-21	1001.49	3/31/2005	14.38	P	< 0.01	NM	987.11	---
51-21	1001.49	4/6/2005	13.88	P	< 0.01	NM	987.61	1.137
51-21	1001.49	4/13/2005	14.05	P	< 0.01	NM	987.44	2.274
51-21	1001.49	4/20/2005	14.27	P	< 0.01	NM	987.22	2.274
51-21	1001.49	4/29/2005	14.47	P	< 0.01	NM	987.02	3.411
51-21	1001.49	5/4/2005	14.50	P	< 0.01	NM	986.99	2.274
51-21	1001.49	5/12/2005	14.50	P	< 0.01	NM	986.99	2.274
51-21	1001.49	5/17/2005	14.66	P	< 0.01	NM	986.83	2.274
51-21	1001.49	5/25/2005	14.77	---	0.00	NM	986.72	2.274
51-21	1001.49	6/2/2005	15.60	P	< 0.01	NM	985.89	3.411
51-21	1001.49	6/8/2005	15.10	P	< 0.01	NM	986.39	2.274
51-21	1001.49	6/14/2005	15.25	P	< 0.01	NM	986.24	2.274
51-21	1001.49	6/21/2005	15.15	P	< 0.01	NM	986.34	2.274
51-21	1001.49	6/29/2005	15.46	P	< 0.01	NM	986.03	3.411
59-01	997.52	1/19/2005	10.50	---	0.00	11.40	987.02	---
59-01	997.52	2/23/2005	Frozen at 1.90 feet				NA	---
59-01	997.52	3/31/2005	10.54	---	0.00	11.35	986.98	---
59-01	997.52	3/31/2005	10.54	---	0.00	11.35	986.98	---
59-01	997.52	4/19/2005	10.15	---	0.00	11.35	987.37	---
59-01	997.52	5/24/2005	10.73	---	0.00	11.35	986.79	---
59-01	997.52	6/28/2005	11.32	---	0.00	11.35	986.20	---
59-03R	997.64	1/19/2005	11.70	10.52	1.18	17.06	987.04	0.728
59-03R	997.64	2/23/2005	12.02	10.90	1.12	17.05	986.66	---
59-03R	997.64	3/31/2005	11.94	10.60	1.34	17.05	986.95	0.827
59-03R	997.64	3/31/2005	11.94	10.60	1.34	17.05	986.95	---
59-03R	997.64	4/19/2005	11.78	10.15	1.63	17.04	987.38	---
59-03R	997.64	5/24/2005	11.85	10.76	1.09	17.05	986.80	0.561
59-03R	997.64	6/28/2005	12.52	11.41	1.11	17.05	986.15	0.685
59-07	997.96	1/19/2005	10.80	10.80	0.00	23.52	987.16	---
59-07	997.96	2/23/2005	11.20	---	0.00	23.55	986.76	---
59-07	997.96	3/31/2005	10.90	10.88	0.02	23.53	987.08	0.012
59-07	997.96	3/31/2005	10.90	10.88	0.02	23.53	987.08	---
59-07	997.96	4/19/2005	10.53	10.52	0.01	23.53	987.44	---
59-07	997.96	5/24/2005	11.14	11.12	0.02	23.51	986.84	---
59-07	997.96	6/28/2005	11.75	11.73	0.02	23.52	986.23	---
GMA3-10	997.54	1/7/2005	11.65	10.84	0.81	18.01	986.64	0.500
GMA3-10	997.54	1/14/2005	11.60	10.80	0.80	18.01	986.68	0.494
GMA3-10	997.54	1/20/2005	11.19	10.30	0.89	18.01	987.18	0.549
GMA3-10	997.54	1/28/2005	11.10	10.48	0.62	18.02	987.02	0.383
GMA3-10	997.54	2/5/2005	11.45	10.64	0.81	18.02	986.84	0.500
GMA3-10	997.54	2/11/2005	11.40	10.75	0.65	18.02	986.74	0.401
GMA3-10	997.54	2/23/2005	11.15	10.65	0.50	18.02	986.86	---
GMA3-10	997.54	2/25/2005	11.20	10.70	0.50	18.02	986.81	0.308

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Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
GMA3-10	997.54	3/4/2005	11.44	10.80	0.64	18.02	986.70	0.395
GMA3-10	997.54	3/11/2005	11.65	10.88	0.77	18.03	986.61	0.475
GMA3-10	997.54	3/18/2005	11.72	10.96	0.76	18.03	986.53	0.469
GMA3-10	997.54	3/24/2005	11.70	10.98	0.72	18.03	986.51	0.444
GMA3-10	997.54	3/31/2005	11.46	10.50	0.96	18.02	986.97	0.592
GMA3-10	997.54	4/6/2005	10.85	9.92	0.93	18.02	987.55	0.574
GMA3-10	997.54	4/15/2005	10.85	9.85	1.00	18.02	987.62	0.617
GMA3-10	997.54	4/19/2005	10.84	9.50	1.34	18.04	987.95	0.827
GMA3-10	997.54	4/29/2005	11.00	10.14	0.86	18.01	987.34	0.531
GMA3-10	997.54	5/6/2005	11.01	10.20	0.81	18.02	987.28	0.500
GMA3-10	997.54	5/12/2005	11.09	10.28	0.81	18.02	987.20	0.500
GMA3-10	997.54	5/19/2005	11.10	10.42	0.68	18.02	987.07	0.420
GMA3-10	997.54	5/24/2005	11.30	10.55	0.75	18.02	986.94	0.463
GMA3-10	997.54	6/2/2005	11.45	10.70	0.75	18.00	986.79	0.463
GMA3-10	997.54	6/10/2005	11.60	10.90	0.70	18.00	986.59	0.432
GMA3-10	997.54	6/16/2005	11.72	11.02	0.70	18.00	986.47	0.432
GMA3-10	997.54	6/23/2005	11.74	11.06	0.68	18.00	986.43	0.420
GMA3-10	997.54	6/28/2005	11.94	11.18	0.76	18.00	986.31	0.469
GMA3-11	997.25	1/20/2005	9.75	---	0.00	18.50	987.50	---
GMA3-11	997.25	2/23/2005	10.15	---	0.00	18.44	987.10	---
GMA3-11	997.25	4/5/2005	9.65	---	0.00	18.45	987.60	---
GMA3-11	997.25	4/19/2005	9.56	---	0.00	19.43	987.69	---
GMA3-11	997.25	5/24/2005	10.05	---	0.00	18.42	987.20	---
GMA3-11	997.25	6/28/2005	10.65	---	0.00	18.40	986.60	---
GMA3-12	997.84	1/7/2005	11.41	11.23	0.18	21.24	986.60	0.445
GMA3-12	997.84	1/14/2005	11.31	11.16	0.15	21.24	986.67	0.371
GMA3-12	997.84	1/20/2005	10.90	10.73	0.17	21.25	987.10	0.420
GMA3-12	997.84	1/28/2005	11.20	10.90	0.30	21.25	986.92	0.741
GMA3-12	997.84	2/5/2005	11.50	11.05	0.45	21.24	986.76	1.112
GMA3-12	997.84	2/11/2005	11.65	11.05	0.60	21.24	986.75	1.483
GMA3-12	997.84	2/23/2005	11.50	11.05	0.45	21.24	986.76	1.112
GMA3-12	997.84	2/25/2005	11.51	11.07	0.44	21.24	986.74	1.038
GMA3-12	997.84	3/4/2005	11.84	11.21	0.63	21.25	986.59	1.557
GMA3-12	997.84	3/11/2005	11.70	11.22	0.48	21.24	986.59	1.186
GMA3-12	997.84	3/18/2005	11.90	11.38	0.52	21.24	986.42	1.285
GMA3-12	997.84	3/24/2005	11.75	11.35	0.40	21.24	986.46	0.989
GMA3-12	997.84	3/31/2005	11.17	10.89	0.28	21.24	986.93	0.692
GMA3-12	997.84	4/6/2005	10.48	10.32	0.16	21.26	987.51	0.395
GMA3-12	997.84	4/15/2005	10.55	10.30	0.25	21.25	987.52	0.618
GMA3-12	997.84	4/19/2005	10.73	10.37	0.36	21.24	987.44	---
GMA3-12	997.84	4/29/2005	10.90	10.45	0.45	21.26	987.36	1.112
GMA3-12	997.84	5/6/2005	11.00	10.55	0.45	21.23	987.26	1.112
GMA3-12	997.84	5/10/2005	11.05	10.65	0.40	21.25	987.16	1.283
GMA3-12	997.84	5/11/2005	10.79	10.68	0.11	21.25	987.15	0.480
GMA3-12	997.84	5/12/2005	10.80	10.70	0.10	21.25	987.13	0.514
GMA3-12	997.84	5/19/2005	11.25	10.82	0.43	21.25	986.99	1.063
GMA3-12	997.84	5/24/2005	11.44	10.93	0.51	21.25	986.87	1.261
GMA3-12	997.84	6/2/2005	11.61	11.06	0.55	21.23	986.74	1.359

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Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
GMA3-12	997.84	6/10/2005	11.85	11.26	0.59	21.24	986.54	1.458
GMA3-12	997.84	6/16/2005	12.02	11.42	0.60	21.24	986.38	1.483
GMA3-12	997.84	6/23/2005	11.95	11.43	0.52	21.25	986.37	1.285
GMA3-12	997.84	6/28/2005	12.10	11.50	0.60	21.24	986.30	1.483
GMA3-13	997.73	3/30/2005	11.02	---	0.00	18.06	986.71	---
GMA3-13	997.73	3/31/2005	12.21	---	0.00	18.06	985.52	---
GMA3-13	997.73	4/19/2005	10.90	10.11	0.79	17.91	987.56	0.500
GMA3-13	997.08	4/29/2005	10.97	10.31	0.66	17.84	986.72	0.409
GMA3-13	997.73	5/6/2005	11.00	10.35	0.65	17.83	987.33	0.401
GMA3-13	997.73	5/10/2005	10.95	10.40	0.55	17.82	987.29	0.523
GMA3-13	997.73	5/11/2005	10.74	10.46	0.28	17.82	987.25	0.442
GMA3-13	997.73	5/12/2005	10.84	10.48	0.36	17.82	987.22	0.363
GMA3-13	997.73	5/19/2005	11.05	10.59	0.46	17.82	987.11	0.284
GMA3-13	997.73	5/24/2005	11.18	10.72	0.46	17.82	986.98	0.284
GMA3-13	997.73	6/2/2005	11.20	10.90	0.30	17.82	986.81	0.185
GMA3-13	997.73	6/10/2005	11.22	11.10	0.12	17.80	986.62	0.185
GMA3-13	997.73	6/16/2005	10.27	10.24	0.03	17.84	987.49	0.019
GMA3-13	997.73	6/23/2005	11.35	11.30	0.05	17.81	986.43	0.031
GMA3-13	997.73	6/28/2005	11.43	---	0.00	17.81	986.30	---
GMA3-14	997.42	3/30/2005	11.41	---	0.00	17.25	986.01	---
GMA3-14	997.42	3/31/2005	10.78	---	0.00	17.25	986.64	---
GMA3-14	997.42	4/19/2005	9.75	---	0.00	17.12	987.67	---
GMA3-14	997.42	5/24/2005	10.45	---	0.00	17.05	986.97	---
GMA3-14	997.42	6/28/2005	10.98	---	0.00	17.04	986.44	---
GMA3-2	991.94	1/19/2005	6.54	---	0.00	14.98	985.40	---
GMA3-2	991.94	4/8/2005	5.51	---	0.00	14.94	986.43	---
GMA3-2	991.94	4/19/2005	7.36	---	0.00	14.95	984.58	---
GMA3-3	990.45	1/19/2005	1.20	---	0.00	12.23	989.25	---
GMA3-3	990.45	4/13/2005	0.50	---	0.00	12.06	989.95	---
GMA3-3	990.45	4/19/2005	0.96	---	0.00	12.22	989.49	---
GMA3-4	994.60	1/19/2005	6.38	---	0.00	13.25	988.22	---
GMA3-4	994.60	4/12/2005	5.83	---	0.00	13.23	988.77	---
GMA3-4	994.60	4/19/2005	6.10	---	0.00	13.23	988.50	---
GMA3-5	993.67	1/18/2005	7.02	P	< 0.01	15.43	986.65	---
GMA3-5	993.67	4/13/2005	6.47	---	0.00	15.45	987.20	---
GMA3-5	993.67	4/19/2005	7.06	---	0.00	15.44	986.61	---
GMA3-6	997.49	1/20/2005	10.08	---	0.00	17.99	987.41	---
GMA3-6	997.49	4/12/2005	9.55	---	0.00	17.98	987.94	---
GMA3-6	997.49	4/19/2005	9.92	---	0.00	17.98	987.57	---
GMA3-7	1000.17	1/20/2005	9.93	---	0.00	19.92	990.24	---
GMA3-7	1000.17	4/11/2005	12.15	---	0.00	19.80	988.02	---
GMA3-7	1000.17	4/19/2005	12.41	---	0.00	19.91	987.76	---
GMA3-8	996.24	1/19/2005	9.04	---	0.00	15.72	987.20	---
GMA3-8	996.24	4/11/2005	8.60	---	0.00	15.51	987.64	---
GMA3-8	996.24	4/19/2005	9.03	---	0.00	15.68	987.21	---
GMA3-9	992.39	1/19/2005	4.14	---	0.00	12.68	988.25	---
GMA3-9	992.39	4/12/2005	3.75	---	0.00	12.52	988.64	---
GMA3-9	992.39	4/19/2005	4.27	---	0.00	12.66	988.12	---

TABLE C-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA
JANUARY 2005 - JUNE 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
GMA3-SG-1	983.44	4/19/2005	Needs to be Replaced; Found Laying in H2O				NA	---
GMA3-SG-2	NA	4/19/2005	0.89	51-12			NA	---
GMA3-SG-3	985.53	4/19/2005	1.82	51-12			987.35	---
GMA4-3	1,003.95	4/7/2005	16.42	---	0.00	26.25	987.53	---
GMA4-3	1,003.95	4/19/2005	16.36	---	0.00	26.25	987.59	---
GMA4-3	1,003.95	5/23/2005	16.90	---	0.00	26.25	987.05	---
GMA4-3	1,003.95	6/22/2005	17.48	---	0.00	26.25	986.47	---
OBG-2	992.20	1/19/2005	Frozen at 3.85 feet				NA	---
OBG-2	992.20	4/14/2005	3.93	---	0.00	14.60	988.27	---
OBG-2	992.20	4/19/2005	4.69	---	0.00	15.35	987.51	---
UB-MW-10	995.99	1/19/2005	8.80	---	0.00	15.63	987.19	---
UB-MW-10	995.99	2/23/2005	Buried Under Ice				NA	---
UB-MW-10	995.99	4/5/2005	8.25	---	0.00	15.70	987.74	---
UB-MW-10	995.99	4/19/2005	8.56	---	0.00	15.66	987.43	---
UB-MW-10	995.99	5/24/2005	9.15	---	0.00	15.80	986.84	---
UB-MW-10	995.99	6/28/2005	9.75	---	0.00	15.65	986.24	---
UB-PZ-1	999.70	1/20/2005	12.51	---	0.00	12.88	987.19	---
UB-PZ-1	999.70	4/19/2005	12.21	---	0.00	12.85	987.49	---
UB-PZ-2	994.77	1/20/2005	Well Damaged, unable to gauge				NA	---
UB-PZ-2	994.77	4/19/2005	8.33	---	0.00	9.90	986.44	---
UB-PZ-3	998.15	1/20/2005	11.60	11.10	0.50	13.42	987.02	---
UB-PZ-3	998.15	2/23/2005	11.78	11.45	0.33	13.38	986.68	0.115
UB-PZ-3	998.15	3/31/2005	11.60	11.31	0.29	13.37	986.82	0.101
UB-PZ-3	998.15	4/19/2005	11.38	10.71	0.67	15.36	987.39	---
UB-PZ-3	998.15	5/24/2005	11.70	11.32	0.38	13.38	986.80	0.132
UB-PZ-3	998.15	6/28/2005	12.18	12.00	0.18	13.40	986.14	---

Notes:

1. ft BMP - feet Below Measuring Point
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such

LNAPL RECOVERY TEST FIELD LOG

WELL ID GMA3-12

SITE GE Pittsfield, MA

LOCATION GMA 3

DATE	MEASUREMENT/ PUMP START TIME	PUMP STOP TIME	RECOVERY TIME (Minutes)	PUMPING TIME (Minutes)	DEPTH TO LNAPL (Feet BMP)	DEPTH TO WATER (Feet BMP)	LNAPL THICKNESS (Feet)	LNAPL REMOVAL (Liters)	LNAPL REMOVAL (Gallons)
5/10/05	12:45	12:50	---	5	10.65	11.05	0.40	0.988	0.255
5/10/05	13:45	13:50	55	5	10.65	10.70	0.05	0.123	0.032
5/10/05	14:45	14:50	55	5	10.66	10.71	0.05	0.123	0.032
5/10/05	15:45	15:50	55	5	10.67	10.69	0.02	0.049	0.013
5/11/05	8:00	8:05	970	5	10.68	10.79	0.11	0.271	0.070
5/11/05	9:00	9:05	55	5	10.70	10.72	0.02	0.040	0.010
5/11/05	11:00	11:05	115	5	10.69	10.71	0.02	0.040	0.010
5/11/05	13:00	13:05	115	5	10.68	10.70	0.02	0.040	0.010
5/11/05	15:00	15:05	115	5	10.67	10.69	0.02	0.040	0.010
5/11/05	17:00	17:05	115	5	10.68	10.70	0.02	0.040	0.010
5/12/05	8:45	8:50	940	5	10.70	10.80	0.10	0.247	0.064
5/12/05	10:45	10:50	115	5	10.71	10.74	0.03	0.070	0.018
5/12/05	14:45	14:50	235	5	10.72	10.80	0.08	0.197	0.051

NOTES/OBSERVATIONS:

Recovery time refers to the elapsed time from the end of pumping (during the prior measurement interval) until the next measurements are collected.

5/10/2005: Total LNAPL removal: 1.283 Liters

5/11/2005: Total well depth: 21.25' Total LNAPL remov 0.480 Liters

5/12/2005: Total well depth: 21.25' Total LNAPL remov 0.514 Liters

LNAPL RECOVERY TEST FIELD LOG

WELL ID GMA3-13

SITE GE Pittsfield, MA

LOCATION GMA 3

DATE	MEASUREMENT/ PUMP START TIME	PUMP STOP TIME	RECOVERY TIME (Minutes)	PUMPING TIME (Minutes)	DEPTH TO LNAPL (Feet BMP)	DEPTH TO WATER (Feet BMP)	LNAPL THICKNESS (Feet)	LNAPL REMOVAL (Liters)	LNAPL REMOVAL (Gallons)
5/10/05	13:00	13:05	---	5	10.40	10.95	0.55	0.339	0.087
5/10/05	14:00	14:05	55	5	10.45	10.65	0.20	0.124	0.032
5/10/05	15:00	15:05	55	5	10.46	10.52	0.06	0.030	0.008
5/10/05	16:00	16:05	55	5	10.48	10.54	0.06	0.030	0.008
5/11/05	8:10	8:15	965	5	10.46	10.74	0.28	0.172	0.044
5/11/05	9:10	9:15	55	5	10.45	10.55	0.10	0.060	0.015
5/11/05	11:10	11:15	115	5	10.45	10.52	0.07	0.040	0.010
5/11/05	13:10	13:15	115	5	10.45	10.56	0.11	0.060	0.015
5/11/05	15:10	15:15	115	5	10.46	10.55	0.09	0.050	0.013
5/11/05	17:10	17:15	115	5	10.45	10.55	0.10	0.060	0.015
5/12/05	8:50	8:55	935	5	10.48	10.84	0.36	0.222	0.057
5/12/05	10:50	10:55	115	5	10.47	10.59	0.12	0.074	0.019
5/12/05	14:50	14:55	235	5	10.49	10.60	0.11	0.067	0.017

NOTES/OBSERVATIONS:

Recovery time refers to the elapsed time from the end of pumping (during the prior measurement interval) until the next measurements are collected.

5/10/2005: Total LNAPL removal: 0.523 Liters

5/11/2005: Total well depth: 17.82' Total LNAPL remov 0.442 Liters

5/12/2005: Total well depth: 17.82' Total LNAPL remov 0.363 Liters

Appendix D

Spring 2005 Groundwater and NAPL Analytical Results

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	2A 04/07/05	6B-R 04/06/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05	39B-R 04/07/05
Volatile Organics						
1,1,1,2-Tetrachloroethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
1,1,1-Trichloroethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
1,1,2-Trichloroethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
1,1-Dichloroethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
1,1-Dichloroethene	ND(5.0)	ND(0.0010)	ND(1.0)	ND(0.0010)	ND(0.0010)	ND(0.50)
1,2,3-Trichloropropane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050) J	ND(0.50)
1,2-Dibromo-3-chloropropane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
1,2-Dibromoethane	ND(5.0)	ND(0.0010)	ND(1.0)	ND(0.0010)	ND(0.0010)	ND(0.50)
1,2-Dichloroethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
1,2-Dichloropropane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
1,4-Dioxane	ND(5.0) J	ND(0.20) J	ND(1.0) J	ND(0.20) J	ND(0.20) J	ND(0.50) J
2-Butanone	ND(5.0)	ND(0.010)	ND(1.0)	ND(0.010)	ND(0.010)	ND(0.50)
2-Chloro-1,3-butadiene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
2-Chloroethylvinylether	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
2-Hexanone	ND(5.0)	ND(0.010)	ND(1.0)	ND(0.010)	ND(0.010)	ND(0.50)
3-Chloropropene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
4-Methyl-2-pentanone	ND(5.0)	ND(0.010)	ND(1.0)	ND(0.010)	ND(0.010)	ND(0.50)
Acetone	ND(5.0)	ND(0.010)	ND(1.0) J	ND(0.010) J	ND(0.010)	ND(0.50)
Acetonitrile	ND(5.0) J	ND(0.10) J	ND(1.0) J	ND(0.10) J	ND(0.10) J	ND(0.50) J
Acrolein	ND(5.0) J	ND(0.10) J	ND(1.0) J	ND(0.10) J	ND(0.10) J	ND(0.50) J
Acrylonitrile	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Benzene	27	ND(0.0050)	13	0.0033 J	0.0039 J	0.17 J
Bromodichloromethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Bromoform	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Bromomethane	ND(5.0)	ND(0.0020)	ND(1.0)	ND(0.0020)	ND(0.0020)	ND(0.50)
Carbon Disulfide	ND(5.0)	ND(0.0050) J	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Carbon Tetrachloride	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Chlorobenzene	120	ND(0.0050)	26	0.015	0.013	12
Chloroethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050) J	ND(0.50)
Chloroform	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	0.00064 J	ND(0.50)
Chloromethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
cis-1,3-Dichloropropene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Dibromochloromethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Dibromomethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Dichlorodifluoromethane	ND(5.0)	ND(0.0050) J	ND(1.0) J	ND(0.0050) J	ND(0.0050)	ND(0.50)
Ethyl Methacrylate	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Ethylbenzene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Iodomethane	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Isobutanol	ND(5.0) J	ND(0.10) J	ND(1.0) J	ND(0.10) J	ND(0.10) J	ND(0.50) J
Methacrylonitrile	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Methyl Methacrylate	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Methylene Chloride	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Propionitrile	ND(5.0)	ND(0.010) J	ND(1.0)	ND(0.010)	ND(0.010) J	ND(0.50)
Styrene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Tetrachloroethene	ND(5.0)	ND(0.0020)	ND(1.0)	ND(0.0020)	ND(0.0020)	ND(0.50)
Toluene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	0.0026 J	0.29 J
trans-1,2-Dichloroethene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	0.00096 J	ND(0.50)
trans-1,3-Dichloropropene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
trans-1,4-Dichloro-2-butene	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050)	ND(0.50)
Trichloroethene	12	ND(0.0050)	ND(1.0)	ND(0.0050)	0.0020 J	0.35 J
Trichlorofluoromethane	ND(5.0)	ND(0.0050) J	ND(1.0) J	ND(0.0050) J	ND(0.0050)	ND(0.50)
Vinyl Acetate	ND(5.0)	ND(0.0050)	ND(1.0)	ND(0.0050)	ND(0.0050) J	ND(0.50)
Vinyl Chloride	ND(5.0)	ND(0.0020)	ND(1.0)	ND(0.0020)	ND(0.0020)	ND(0.50)
Xylenes (total)	ND(5.0)	ND(0.010)	ND(1.0)	ND(0.010)	ND(0.010)	ND(0.50)
Total VOCs	160	ND(0.20)	39	0.018 J	0.023 J	13 J

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	2A 04/07/05	6B-R 04/06/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05	39B-R 04/07/05
PCBs-Unfiltered						
Aroclor-1016	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1221	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1232	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1242	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1248	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1254	NA	0.000047 J	NA	NA	NA	NA
Aroclor-1260	NA	ND(0.000065)	NA	NA	NA	NA
Total PCBs	NA	0.000047 J	NA	NA	NA	NA
PCBs-Filtered						
Aroclor-1016	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1221	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1232	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1242	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1248	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1254	NA	0.000037 J	NA	NA	NA	NA
Aroclor-1260	NA	ND(0.000065)	NA	NA	NA	NA
Total PCBs	NA	0.000037 J	NA	NA	NA	NA
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.010)	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	ND(0.010)	NA	ND(0.0050)	NA	NA
1,2-Dichlorobenzene	NA	ND(0.010)	NA	ND(0.0050)	NA	NA
1,2-Diphenylhydrazine	NA	ND(0.010)	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	ND(0.010)	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	ND(0.010)	NA	0.00079 J	NA	NA
1,3-Dinitrobenzene	NA	ND(0.010)	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	ND(0.010)	NA	0.0026 J	NA	NA
1,4-Naphthoquinone	NA	ND(0.010) J	NA	NA	NA	NA
1-Naphthylamine	NA	ND(0.010)	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	ND(0.010)	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	ND(0.010)	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	ND(0.010)	NA	NA	NA	NA
2,4-Dichlorophenol	NA	ND(0.010)	NA	NA	NA	NA
2,4-Dimethylphenol	NA	ND(0.010)	NA	NA	NA	NA
2,4-Dinitrophenol	NA	ND(0.050)	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	ND(0.010)	NA	NA	NA	NA
2,6-Dichlorophenol	NA	ND(0.010)	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	ND(0.010)	NA	NA	NA	NA
2-Acetylaminofluorene	NA	ND(0.010)	NA	NA	NA	NA
2-Chloronaphthalene	NA	ND(0.010)	NA	NA	NA	NA
2-Chlorophenol	ND(0.010)	ND(0.010)	0.035	NA	NA	0.0096 J
2-Methylnaphthalene	NA	ND(0.010)	NA	NA	NA	NA
2-Methylphenol	NA	ND(0.010)	NA	NA	NA	NA
2-Naphthylamine	NA	ND(0.010)	NA	NA	NA	NA
2-Nitroaniline	NA	ND(0.050)	NA	NA	NA	NA
2-Nitrophenol	NA	ND(0.010)	NA	NA	NA	NA
2-Picoline	NA	ND(0.010)	NA	NA	NA	NA
3&4-Methylphenol	NA	ND(0.010)	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	ND(0.020)	NA	NA	NA	NA
3,3'-Dimethylbenzidine	NA	ND(0.010)	NA	NA	NA	NA
3-Methylcholanthrene	NA	ND(0.010)	NA	NA	NA	NA
3-Nitroaniline	NA	ND(0.050)	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	ND(0.050) J	NA	NA	NA	NA
4-Aminobiphenyl	NA	ND(0.010)	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	ND(0.010)	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NA	ND(0.010)	NA	NA	NA	NA
4-Chloroaniline	NA	ND(0.010)	NA	NA	NA	NA
4-Chlorobenzilate	NA	ND(0.010)	NA	NA	NA	NA
4-Chlorophenol	1.8	NA	0.60	NA	NA	0.60

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	2A 04/07/05	6B-R 04/06/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05	39B-R 04/07/05
Semivolatile Organics (continued)						
4-Chlorophenyl-phenylether	NA	ND(0.010)	NA	NA	NA	NA
4-Nitroaniline	NA	ND(0.050)	NA	NA	NA	NA
4-Nitrophenol	NA	ND(0.050)	NA	NA	NA	NA
4-Nitroquinoline-1-oxide	NA	ND(0.010) J	NA	NA	NA	NA
4-Phenylenediamine	NA	ND(0.010)	NA	NA	NA	NA
5-Nitro-o-toluidine	NA	ND(0.010)	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	NA	ND(0.010)	NA	NA	NA	NA
a,a'-Dimethylphenethylamine	NA	ND(0.010) J	NA	NA	NA	NA
Acenaphthene	NA	ND(0.010)	NA	NA	NA	NA
Acenaphthylene	NA	ND(0.010)	NA	NA	NA	NA
Acetophenone	NA	ND(0.010)	NA	NA	NA	NA
Aniline	NA	ND(0.010) J	NA	NA	NA	NA
Anthracene	NA	ND(0.010)	NA	NA	NA	NA
Aramite	NA	ND(0.010)	NA	NA	NA	NA
Benzidine	NA	ND(0.020) J	NA	NA	NA	NA
Benzo(a)anthracene	NA	ND(0.010)	NA	NA	NA	NA
Benzo(a)pyrene	NA	ND(0.010)	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	ND(0.010)	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	ND(0.010)	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	ND(0.010)	NA	NA	NA	NA
Benzyl Alcohol	NA	ND(0.020)	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	ND(0.010)	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	ND(0.010)	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	ND(0.010)	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.0060)	NA	NA	NA	NA
Butylbenzylphthalate	NA	ND(0.010)	NA	NA	NA	NA
Chrysene	NA	ND(0.010)	NA	NA	NA	NA
Diallate	NA	ND(0.010)	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	ND(0.010)	NA	NA	NA	NA
Dibenzofuran	NA	ND(0.010)	NA	NA	NA	NA
Diethylphthalate	NA	ND(0.010)	NA	NA	NA	NA
Dimethylphthalate	NA	ND(0.010)	NA	NA	NA	NA
Di-n-Butylphthalate	NA	ND(0.010)	NA	NA	NA	NA
Di-n-Octylphthalate	NA	ND(0.010)	NA	NA	NA	NA
Diphenylamine	NA	ND(0.010)	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	ND(0.010)	NA	NA	NA	NA
Fluoranthene	NA	ND(0.010)	NA	NA	NA	NA
Fluorene	NA	ND(0.010)	NA	NA	NA	NA
Hexachlorobenzene	NA	ND(0.010)	NA	NA	NA	NA
Hexachlorobutadiene	NA	ND(0.0010)	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	ND(0.010) J	NA	NA	NA	NA
Hexachloroethane	NA	ND(0.010)	NA	NA	NA	NA
Hexachlorophene	NA	ND(0.020) J	NA	NA	NA	NA
Hexachloropropene	NA	ND(0.010)	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.010)	NA	NA	NA	NA
Isodrin	NA	ND(0.010)	NA	NA	NA	NA
Isophorone	NA	ND(0.010) J	NA	NA	NA	NA
Isosafrole	NA	ND(0.010) J	NA	NA	NA	NA
Methapyrilene	NA	ND(0.010) J	NA	NA	NA	NA
Methyl Methanesulfonate	NA	ND(0.010)	NA	NA	NA	NA
Naphthalene	NA	ND(0.010)	NA	0.00077 J	NA	NA
Nitrobenzene	NA	ND(0.010)	NA	NA	NA	NA
N-Nitrosodiethylamine	NA	ND(0.010)	NA	NA	NA	NA
N-Nitrosodimethylamine	NA	ND(0.010)	NA	NA	NA	NA
N-Nitroso-di-n-butylamine	NA	ND(0.010)	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	NA	ND(0.010)	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	ND(0.010)	NA	NA	NA	NA
N-Nitrosomethylethylamine	NA	ND(0.010)	NA	NA	NA	NA
N-Nitrosomorpholine	NA	ND(0.010)	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	2A 04/07/05	6B-R 04/06/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05	39B-R 04/07/05
Semivolatile Organics (continued)						
N-Nitrosopiperidine	NA	ND(0.010)	NA	NA	NA	NA
N-Nitrosopyrrolidine	NA	ND(0.010)	NA	NA	NA	NA
o,o,o-Triethylphosphorothioate	NA	ND(0.010)	NA	NA	NA	NA
o-Toluidine	NA	ND(0.010)	NA	NA	NA	NA
p-Dimethylaminoazobenzene	NA	ND(0.010)	NA	NA	NA	NA
Pentachlorobenzene	NA	ND(0.010)	NA	NA	NA	NA
Pentachloroethane	NA	ND(0.010)	NA	NA	NA	NA
Pentachloronitrobenzene	NA	ND(0.010)	NA	NA	NA	NA
Pentachlorophenol	NA	ND(0.050)	NA	NA	NA	NA
Phenacetin	NA	ND(0.010)	NA	NA	NA	NA
Phenanthrene	NA	ND(0.010)	NA	NA	NA	NA
Phenol	NA	ND(0.010)	NA	NA	NA	NA
Pronamide	NA	ND(0.010)	NA	NA	NA	NA
Pyrene	NA	ND(0.010)	NA	NA	NA	NA
Pyridine	NA	ND(0.010)	NA	NA	NA	NA
Safrole	NA	ND(0.010) J	NA	NA	NA	NA
Thionazin	NA	ND(0.010)	NA	NA	NA	NA
Organochlorine Pesticides						
4,4'-DDD	NA	ND(0.00010)	NA	NA	NA	NA
4,4'-DDE	NA	ND(0.00010)	NA	NA	NA	NA
4,4'-DDT	NA	ND(0.00010)	NA	NA	NA	NA
Aldrin	NA	ND(0.000050)	NA	NA	NA	NA
Alpha-BHC	NA	ND(0.000050)	NA	NA	NA	NA
Alpha-Chlordane	NA	ND(0.000050)	NA	NA	NA	NA
Beta-BHC	NA	ND(0.000050)	NA	NA	NA	NA
Delta-BHC	NA	ND(0.000050)	NA	NA	NA	NA
Dieldrin	NA	ND(0.00010)	NA	NA	NA	NA
Endosulfan I	NA	ND(0.00010)	NA	NA	NA	NA
Endosulfan II	NA	ND(0.00010)	NA	NA	NA	NA
Endosulfan Sulfate	NA	ND(0.00010)	NA	NA	NA	NA
Endrin	NA	ND(0.00010)	NA	NA	NA	NA
Endrin Aldehyde	NA	ND(0.00010)	NA	NA	NA	NA
Endrin Ketone	NA	ND(0.00010)	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	ND(0.000050)	NA	NA	NA	NA
Gamma-Chlordane	NA	ND(0.000050)	NA	NA	NA	NA
Heptachlor	NA	ND(0.000050)	NA	NA	NA	NA
Heptachlor Epoxide	NA	ND(0.000050)	NA	NA	NA	NA
Kepone	NA	ND(0.050) J	NA	NA	NA	NA
Methoxychlor	NA	ND(0.00050)	NA	NA	NA	NA
Technical Chlordane	NA	ND(0.00050)	NA	NA	NA	NA
Toxaphene	NA	ND(0.0010)	NA	NA	NA	NA
Organophosphate Pesticides						
Dimethoate	NA	ND(0.050) J	NA	NA	NA	NA
Disulfoton	NA	ND(0.010)	NA	NA	NA	NA
Ethyl Parathion	NA	ND(0.010)	NA	NA	NA	NA
Famphur	NA	ND(0.050)	NA	NA	NA	NA
Methyl Parathion	NA	ND(0.010)	NA	NA	NA	NA
Phorate	NA	ND(0.010)	NA	NA	NA	NA
Sulfotep	NA	ND(0.010)	NA	NA	NA	NA
Herbicides						
2,4,5-T	NA	ND(0.0020)	NA	NA	NA	NA
2,4,5-TP	NA	ND(0.0020)	NA	NA	NA	NA
2,4-D	NA	ND(0.010)	NA	NA	NA	NA
Dinoseb	NA	ND(0.0010)	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	2A 04/07/05	6B-R 04/06/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05	39B-R 04/07/05
Furans						
2,3,7,8-TCDF	NA	ND(0.0000000020)	NA	NA	NA	NA
TCDFs (total)	NA	ND(0.0000000020)	NA	NA	NA	NA
1,2,3,7,8-PeCDF	NA	ND(0.0000000042)	NA	NA	NA	NA
2,3,4,7,8-PeCDF	NA	ND(0.0000000043)	NA	NA	NA	NA
PeCDFs (total)	NA	ND(0.0000000043)	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.0000000039)	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.0000000032)	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.0000000043)	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.0000000038)	NA	NA	NA	NA
HxCDFs (total)	NA	ND(0.0000000043)	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000000033)	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000000042)	NA	NA	NA	NA
HpCDFs (total)	NA	ND(0.0000000042)	NA	NA	NA	NA
OCDF	NA	ND(0.0000000092)	NA	NA	NA	NA
Dioxins						
2,3,7,8-TCDD	NA	ND(0.0000000032)	NA	NA	NA	NA
TCDDs (total)	NA	ND(0.0000000032)	NA	NA	NA	NA
1,2,3,7,8-PeCDD	NA	ND(0.0000000067)	NA	NA	NA	NA
PeCDDs (total)	NA	ND(0.0000000067)	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.0000000062)	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.0000000048)	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.0000000052)	NA	NA	NA	NA
HxCDDs (total)	NA	ND(0.0000000062)	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	NA	ND(0.0000000054)	NA	NA	NA	NA
HpCDDs (total)	NA	ND(0.0000000054)	NA	NA	NA	NA
OCDD	NA	ND(0.000000014)	NA	NA	NA	NA
Total TEQs (WHO TEFs)	NA	0.0000000079	NA	NA	NA	NA
Inorganics-Unfiltered						
Antimony	NA	ND(0.0600)	NA	NA	NA	NA
Arsenic	NA	ND(0.0100)	NA	NA	NA	NA
Barium	NA	0.0310 B	NA	NA	NA	NA
Beryllium	NA	ND(0.00100)	NA	NA	NA	NA
Cadmium	NA	ND(0.00500)	NA	NA	NA	NA
Chromium	NA	ND(0.0100)	NA	NA	NA	NA
Cobalt	NA	ND(0.0500)	NA	NA	NA	NA
Copper	NA	ND(0.025)	NA	NA	NA	NA
Cyanide	NA	ND(0.0100)	NA	NA	NA	NA
Lead	NA	ND(0.00300) J	NA	NA	NA	NA
Mercury	NA	ND(0.000200)	NA	NA	NA	NA
Nickel	NA	ND(0.0400)	NA	NA	NA	NA
Selenium	NA	ND(0.00500)	NA	NA	NA	NA
Silver	NA	ND(0.00500)	NA	NA	NA	NA
Sulfide	NA	ND(5.0)	NA	NA	NA	NA
Thallium	NA	ND(0.0100)	NA	NA	NA	NA
Tin	NA	ND(0.0300)	NA	NA	NA	NA
Vanadium	NA	ND(0.0500)	NA	NA	NA	NA
Zinc	NA	0.0230	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	2A 04/07/05	6B-R 04/06/05	16A 04/08/05	16B-R 04/08/05	16C-R 04/27/05	39B-R 04/07/05
Inorganics-Filtered						
Antimony	NA	ND(0.0600)	NA	NA	NA	NA
Arsenic	NA	ND(0.0100)	NA	NA	NA	NA
Barium	NA	0.0290 B	NA	NA	NA	NA
Beryllium	NA	ND(0.00100)	NA	NA	NA	NA
Cadmium	NA	ND(0.00500)	NA	NA	NA	NA
Chromium	NA	ND(0.0100)	NA	NA	NA	NA
Cobalt	NA	ND(0.0500)	NA	NA	NA	NA
Copper	NA	0.00420 B	NA	NA	NA	NA
Cyanide	NA	ND(0.0100)	NA	NA	NA	NA
Lead	NA	ND(0.00300)	NA	NA	NA	NA
Mercury	NA	ND(0.000200)	NA	NA	NA	NA
Nickel	NA	ND(0.0400)	NA	NA	NA	NA
Selenium	NA	ND(0.00500)	NA	NA	NA	NA
Silver	NA	ND(0.00500)	NA	NA	NA	NA
Thallium	NA	ND(0.0100)	NA	NA	NA	NA
Tin	NA	ND(0.0300)	NA	NA	NA	NA
Vanadium	NA	ND(0.0500)	NA	NA	NA	NA
Zinc	NA	0.0250	NA	NA	NA	NA
Natural Attenuation Parameters						
Alkalinity (Total)	180	NA	460	440	130	500
Chloride	10	NA	1300	160	9.0	250
Dissolved Iron	ND(0.0500)	NA	0.940	ND(0.0500)	0.0480 B	ND(0.0500)
Dissolved Organic Carbon	0.750 B	NA	28.0	5.70	ND(1.0)	2.50
Ethane	ND(0.0040)	NA	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)
Ethene	ND(0.0030)	NA	ND(0.0030)	0.12	ND(0.0030)	ND(0.0030)
Methane	ND(0.00200)	NA	0.330	0.690	ND(0.00200)	0.0300
Nitrate Nitrogen	0.0380 B	NA	0.00950 B	0.0560	0.0690	1.90
Nitrite Nitrogen	0.0820	NA	0.00280 B	0.00900 B	0.0140 B	ND(0.0500)
Sulfate (turbidimetric)	21.0	NA	0.540 B	35.0	3.20	9.20

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	39D 04/07/05	39E 04/13/05	43A 04/12/05	43B 04/07/05	51-14 04/15/05	54B-R 04/27/05
Volatile Organics						
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050) J
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	0.077 J	ND(0.20) J	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
Acetonitrile	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrolein	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020) J	ND(0.0020)
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0036 J	ND(0.0050)
Chlorobenzene	0.019	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
Isobutanol	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10)	ND(0.10) J
Methacrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010) J
Styrene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020) J	ND(0.0020)
Toluene	0.0044 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0060
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)	ND(0.0050)	ND(0.0050) J
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	0.023 J	ND(0.20)	0.077 J	ND(0.20)	0.0036 J	0.0060

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	39D 04/07/05	39E 04/13/05	43A 04/12/05	43B 04/07/05	51-14 04/15/05	54B-R 04/27/05
PCBs-Unfiltered						
Aroclor-1016	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1221	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1232	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1242	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1248	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1254	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1260	NA	NA	NA	NA	NA	ND(0.000065)
Total PCBs	NA	NA	NA	NA	NA	ND(0.000065)
PCBs-Filtered						
Aroclor-1016	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1221	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1232	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1242	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1248	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1254	NA	NA	NA	NA	NA	ND(0.000065)
Aroclor-1260	NA	NA	NA	NA	NA	ND(0.000065)
Total PCBs	NA	NA	NA	NA	NA	ND(0.000065)
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	ND(0.010)
1,2,4-Trichlorobenzene	NA	NA	NA	NA	ND(0.0050)	ND(0.010)
1,2-Dichlorobenzene	NA	NA	NA	NA	ND(0.0050)	ND(0.010)
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA	ND(0.010)
1,3,5-Trinitrobenzene	NA	NA	NA	NA	NA	ND(0.010) J
1,3-Dichlorobenzene	NA	NA	NA	NA	ND(0.0050)	ND(0.010)
1,3-Dinitrobenzene	NA	NA	NA	NA	NA	ND(0.010)
1,4-Dichlorobenzene	NA	NA	NA	NA	ND(0.0050)	ND(0.010)
1,4-Naphthoquinone	NA	NA	NA	NA	NA	ND(0.010) J
1-Naphthylamine	NA	NA	NA	NA	NA	ND(0.010)
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	ND(0.010)
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	ND(0.010)
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	ND(0.010)
2,4-Dichlorophenol	NA	NA	NA	NA	NA	ND(0.010)
2,4-Dimethylphenol	NA	NA	NA	NA	NA	ND(0.010)
2,4-Dinitrophenol	NA	NA	NA	NA	NA	ND(0.050)
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	ND(0.010)
2,6-Dichlorophenol	NA	NA	NA	NA	NA	ND(0.010)
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	ND(0.010)
2-Acetylaminofluorene	NA	NA	NA	NA	NA	ND(0.010)
2-Chloronaphthalene	NA	NA	NA	NA	NA	ND(0.010)
2-Chlorophenol	NA	NA	NA	NA	NA	ND(0.010)
2-Methylnaphthalene	NA	NA	NA	NA	NA	ND(0.010)
2-Methylphenol	NA	NA	NA	NA	NA	ND(0.010)
2-Naphthylamine	NA	NA	NA	NA	NA	ND(0.010)
2-Nitroaniline	NA	NA	NA	NA	NA	ND(0.050)
2-Nitrophenol	NA	NA	NA	NA	NA	ND(0.010)
2-Picoline	NA	NA	NA	NA	NA	ND(0.010)
3&4-Methylphenol	NA	NA	NA	NA	NA	ND(0.010)
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	ND(0.020)
3,3'-Dimethylbenzidine	NA	NA	NA	NA	NA	ND(0.010)
3-Methylcholanthrene	NA	NA	NA	NA	NA	ND(0.010)
3-Nitroaniline	NA	NA	NA	NA	NA	ND(0.050)
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	ND(0.050)
4-Aminobiphenyl	NA	NA	NA	NA	NA	ND(0.010)
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	ND(0.010)
4-Chloro-3-Methylphenol	NA	NA	NA	NA	NA	ND(0.010)
4-Chloroaniline	NA	NA	NA	NA	NA	ND(0.010)
4-Chlorobenzilate	NA	NA	NA	NA	NA	ND(0.010)
4-Chlorophenol	NA	NA	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	39D 04/07/05	39E 04/13/05	43A 04/12/05	43B 04/07/05	51-14 04/15/05	54B-R 04/27/05
Semivolatile Organics (continued)						
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	ND(0.010)
4-Nitroaniline	NA	NA	NA	NA	NA	ND(0.050)
4-Nitrophenol	NA	NA	NA	NA	NA	ND(0.050)
4-Nitroquinoline-1-oxide	NA	NA	NA	NA	NA	ND(0.010) J
4-Phenylenediamine	NA	NA	NA	NA	NA	ND(0.010)
5-Nitro-o-toluidine	NA	NA	NA	NA	NA	ND(0.010)
7,12-Dimethylbenz(a)anthracene	NA	NA	NA	NA	NA	ND(0.010)
a,a'-Dimethylphenethylamine	NA	NA	NA	NA	NA	ND(0.010) J
Acenaphthene	NA	NA	NA	NA	NA	ND(0.010)
Acenaphthylene	NA	NA	NA	NA	NA	ND(0.010)
Acetophenone	NA	NA	NA	NA	NA	ND(0.010)
Aniline	NA	NA	NA	NA	NA	ND(0.010) J
Anthracene	NA	NA	NA	NA	NA	ND(0.010)
Aramite	NA	NA	NA	NA	NA	ND(0.010)
Benzidine	NA	NA	NA	NA	NA	ND(0.020) J
Benzo(a)anthracene	NA	NA	NA	NA	NA	ND(0.010)
Benzo(a)pyrene	NA	NA	NA	NA	NA	ND(0.010)
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	ND(0.010)
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	ND(0.010)
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	ND(0.010)
Benzyl Alcohol	NA	NA	NA	NA	NA	ND(0.020)
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	ND(0.010)
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	ND(0.010)
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	ND(0.010)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	ND(0.0060)
Butylbenzylphthalate	NA	NA	NA	NA	NA	ND(0.010)
Chrysene	NA	NA	NA	NA	NA	ND(0.010)
Diallate	NA	NA	NA	NA	NA	ND(0.010)
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	ND(0.010)
Dibenzofuran	NA	NA	NA	NA	NA	ND(0.010)
Diethylphthalate	NA	NA	NA	NA	NA	ND(0.010)
Dimethylphthalate	NA	NA	NA	NA	NA	ND(0.010)
Di-n-Butylphthalate	NA	NA	NA	NA	NA	ND(0.010)
Di-n-Octylphthalate	NA	NA	NA	NA	NA	ND(0.010)
Diphenylamine	NA	NA	NA	NA	NA	ND(0.010)
Ethyl Methanesulfonate	NA	NA	NA	NA	NA	ND(0.010)
Fluoranthene	NA	NA	NA	NA	NA	ND(0.010)
Fluorene	NA	NA	NA	NA	NA	ND(0.010)
Hexachlorobenzene	NA	NA	NA	NA	NA	ND(0.010)
Hexachlorobutadiene	NA	NA	NA	NA	NA	ND(0.0010)
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	ND(0.010) J
Hexachloroethane	NA	NA	NA	NA	NA	ND(0.010)
Hexachlorophene	NA	NA	NA	NA	NA	ND(0.020) J
Hexachloropropene	NA	NA	NA	NA	NA	ND(0.010)
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	ND(0.010)
Isodrin	NA	NA	NA	NA	NA	ND(0.010)
Isophorone	NA	NA	NA	NA	NA	ND(0.010)
Isosafrole	NA	NA	NA	NA	NA	ND(0.010) J
Methapyrilene	NA	NA	NA	NA	NA	ND(0.010) J
Methyl Methanesulfonate	NA	NA	NA	NA	NA	ND(0.010)
Naphthalene	NA	NA	NA	NA	ND(0.0050)	ND(0.010)
Nitrobenzene	NA	NA	NA	NA	NA	ND(0.010)
N-Nitrosodiethylamine	NA	NA	NA	NA	NA	ND(0.010)
N-Nitrosodimethylamine	NA	NA	NA	NA	NA	ND(0.010)
N-Nitroso-di-n-butylamine	NA	NA	NA	NA	NA	ND(0.010)
N-Nitroso-di-n-propylamine	NA	NA	NA	NA	NA	ND(0.010)
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	ND(0.010)
N-Nitrosomethylethylamine	NA	NA	NA	NA	NA	ND(0.010)
N-Nitrosomorpholine	NA	NA	NA	NA	NA	ND(0.010)

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	39D 04/07/05	39E 04/13/05	43A 04/12/05	43B 04/07/05	51-14 04/15/05	54B-R 04/27/05
Semivolatile Organics (continued)						
N-Nitrosopiperidine	NA	NA	NA	NA	NA	ND(0.010)
N-Nitrosopyrrolidine	NA	NA	NA	NA	NA	ND(0.010)
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA	NA	ND(0.010)
o-Toluidine	NA	NA	NA	NA	NA	ND(0.010)
p-Dimethylaminoazobenzene	NA	NA	NA	NA	NA	ND(0.010)
Pentachlorobenzene	NA	NA	NA	NA	NA	ND(0.010)
Pentachloroethane	NA	NA	NA	NA	NA	ND(0.010)
Pentachloronitrobenzene	NA	NA	NA	NA	NA	ND(0.010)
Pentachlorophenol	NA	NA	NA	NA	NA	ND(0.050)
Phenacetin	NA	NA	NA	NA	NA	ND(0.010)
Phenanthrene	NA	NA	NA	NA	NA	ND(0.010)
Phenol	NA	NA	NA	NA	NA	ND(0.010)
Pronamide	NA	NA	NA	NA	NA	ND(0.010)
Pyrene	NA	NA	NA	NA	NA	ND(0.010)
Pyridine	NA	NA	NA	NA	NA	ND(0.010)
Safrole	NA	NA	NA	NA	NA	ND(0.010) J
Thionazin	NA	NA	NA	NA	NA	ND(0.010)
Organochlorine Pesticides						
4,4'-DDD	NA	NA	NA	NA	NA	ND(0.00010)
4,4'-DDE	NA	NA	NA	NA	NA	ND(0.00010)
4,4'-DDT	NA	NA	NA	NA	NA	ND(0.00010)
Aldrin	NA	NA	NA	NA	NA	ND(0.000050)
Alpha-BHC	NA	NA	NA	NA	NA	ND(0.000050)
Alpha-Chlordane	NA	NA	NA	NA	NA	ND(0.000050)
Beta-BHC	NA	NA	NA	NA	NA	ND(0.000050)
Delta-BHC	NA	NA	NA	NA	NA	ND(0.000050)
Dieldrin	NA	NA	NA	NA	NA	ND(0.00010)
Endosulfan I	NA	NA	NA	NA	NA	ND(0.00010)
Endosulfan II	NA	NA	NA	NA	NA	ND(0.00010)
Endosulfan Sulfate	NA	NA	NA	NA	NA	ND(0.00010)
Endrin	NA	NA	NA	NA	NA	ND(0.00010)
Endrin Aldehyde	NA	NA	NA	NA	NA	ND(0.00010)
Endrin Ketone	NA	NA	NA	NA	NA	ND(0.00010)
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	ND(0.000050)
Gamma-Chlordane	NA	NA	NA	NA	NA	ND(0.000050)
Heptachlor	NA	NA	NA	NA	NA	ND(0.000050)
Heptachlor Epoxide	NA	NA	NA	NA	NA	ND(0.000050)
Kepone	NA	NA	NA	NA	NA	ND(0.050) J
Methoxychlor	NA	NA	NA	NA	NA	ND(0.00050)
Technical Chlordane	NA	NA	NA	NA	NA	ND(0.00050)
Toxaphene	NA	NA	NA	NA	NA	ND(0.0010)
Organophosphate Pesticides						
Dimethoate	NA	NA	NA	NA	NA	ND(0.050)
Disulfoton	NA	NA	NA	NA	NA	ND(0.010)
Ethyl Parathion	NA	NA	NA	NA	NA	ND(0.010)
Famphur	NA	NA	NA	NA	NA	ND(0.050)
Methyl Parathion	NA	NA	NA	NA	NA	ND(0.010)
Phorate	NA	NA	NA	NA	NA	ND(0.010)
Sulfotep	NA	NA	NA	NA	NA	ND(0.010)
Herbicides						
2,4,5-T	NA	NA	NA	NA	NA	ND(0.0020)
2,4,5-TP	NA	NA	NA	NA	NA	ND(0.0020)
2,4-D	NA	NA	NA	NA	NA	ND(0.010)
Dinoseb	NA	NA	NA	NA	NA	ND(0.0010)

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	39D 04/07/05	39E 04/13/05	43A 04/12/05	43B 04/07/05	51-14 04/15/05	54B-R 04/27/05
Furans						
2,3,7,8-TCDF	NA	NA	NA	NA	NA	ND(0.0000000021)
TCDFs (total)	NA	NA	NA	NA	NA	ND(0.0000000021)
1,2,3,7,8-PeCDF	NA	NA	NA	NA	NA	ND(0.0000000018)
2,3,4,7,8-PeCDF	NA	NA	NA	NA	NA	ND(0.0000000017)
PeCDFs (total)	NA	NA	NA	NA	NA	ND(0.0000000022)
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA	NA	ND(0.0000000017)
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA	NA	ND(0.0000000017)
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA	NA	ND(0.0000000019)
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA	NA	ND(0.0000000018)
HxCDFs (total)	NA	NA	NA	NA	NA	ND(0.0000000019)
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA	NA	ND(0.0000000033)
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA	NA	ND(0.0000000012)
HpCDFs (total)	NA	NA	NA	NA	NA	ND(0.0000000044)
OCDF	NA	NA	NA	NA	NA	ND(0.0000000055)
Dioxins						
2,3,7,8-TCDD	NA	NA	NA	NA	NA	ND(0.0000000019)
TCDDs (total)	NA	NA	NA	NA	NA	ND(0.0000000019)
1,2,3,7,8-PeCDD	NA	NA	NA	NA	NA	ND(0.0000000026)
PeCDDs (total)	NA	NA	NA	NA	NA	ND(0.0000000026)
1,2,3,4,7,8-HxCDD	NA	NA	NA	NA	NA	ND(0.0000000018)
1,2,3,6,7,8-HxCDD	NA	NA	NA	NA	NA	ND(0.0000000017)
1,2,3,7,8,9-HxCDD	NA	NA	NA	NA	NA	ND(0.0000000016)
HxCDDs (total)	NA	NA	NA	NA	NA	ND(0.0000000018)
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NA	NA	ND(0.0000000046)
HpCDDs (total)	NA	NA	NA	NA	NA	ND(0.0000000046)
OCDD	NA	NA	NA	NA	NA	0.000000058 J
Total TEQs (WHO TEFs)	NA	NA	NA	NA	NA	0.0000000035
Inorganics-Unfiltered						
Antimony	NA	NA	NA	NA	NA	ND(0.0600)
Arsenic	NA	NA	NA	NA	NA	ND(0.0100)
Barium	NA	NA	NA	NA	NA	0.210
Beryllium	NA	NA	NA	NA	NA	ND(0.00100)
Cadmium	NA	NA	NA	NA	NA	ND(0.00500)
Chromium	NA	NA	NA	NA	NA	ND(0.01)
Cobalt	NA	NA	NA	NA	NA	ND(0.05)
Copper	NA	NA	NA	NA	NA	ND(0.025)
Cyanide	NA	NA	NA	NA	NA	ND(0.0100)
Lead	NA	NA	NA	NA	NA	ND(0.00300)
Mercury	NA	NA	NA	NA	NA	ND(0.000200)
Nickel	NA	NA	NA	NA	NA	ND(0.04)
Selenium	NA	NA	NA	NA	NA	ND(0.00500) J
Silver	NA	NA	NA	NA	NA	ND(0.00500)
Sulfide	NA	NA	NA	NA	NA	ND(5.0)
Thallium	NA	NA	NA	NA	NA	ND(0.0100) J
Tin	NA	NA	NA	NA	NA	ND(0.0300)
Vanadium	NA	NA	NA	NA	NA	0.00260 B
Zinc	NA	NA	NA	NA	NA	ND(0.02)

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BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	39D 04/07/05	39E 04/13/05	43A 04/12/05	43B 04/07/05	51-14 04/15/05	54B-R 04/27/05
Inorganics-Filtered						
Antimony	NA	NA	NA	NA	NA	ND(0.0600)
Arsenic	NA	NA	NA	NA	NA	ND(0.0100)
Barium	NA	NA	NA	NA	NA	0.160 B
Beryllium	NA	NA	NA	NA	NA	ND(0.00100)
Cadmium	NA	NA	NA	NA	NA	ND(0.00500)
Chromium	NA	NA	NA	NA	NA	0.00220 B
Cobalt	NA	NA	NA	NA	NA	0.00420 B
Copper	NA	NA	NA	NA	NA	0.00620 B
Cyanide	NA	NA	NA	NA	NA	ND(0.0100)
Lead	NA	NA	NA	NA	NA	ND(0.00300)
Mercury	NA	NA	NA	NA	NA	ND(0.000200)
Nickel	NA	NA	NA	NA	NA	0.00400 B
Selenium	NA	NA	NA	NA	NA	ND(0.00500)
Silver	NA	NA	NA	NA	NA	0.00290 B
Thallium	NA	NA	NA	NA	NA	ND(0.0100)
Tin	NA	NA	NA	NA	NA	ND(0.0300)
Vanadium	NA	NA	NA	NA	NA	ND(0.0500)
Zinc	NA	NA	NA	NA	NA	0.0100 B
Natural Attenuation Parameters						
Alkalinity (Total)	140	43.0	350	620	NA	NA
Chloride	4.2	62	40	58	NA	NA
Dissolved Iron	0.0360 B	0.0900	ND(0.0500)	ND(0.0500)	NA	NA
Dissolved Organic Carbon	ND(1.00)	ND(1.4)	ND(1.00)	7.60	NA	NA
Ethane	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	NA	NA
Ethene	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	NA	NA
Methane	ND(0.00200)	0.140	0.0830	0.880	NA	NA
Nitrate Nitrogen	ND(0.0500)	0.840	ND(0.0500)	0.0800	NA	NA
Nitrite Nitrogen	ND(0.0500)	0.00770 B	ND(0.0500)	ND(0.0500)	NA	NA
Sulfate (turbidimetric)	19.0	4.90	43.0	ND(2.00)	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 04/07/05	82B-R 04/11/05	89A 05/02/05	89B 05/03/05
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,1,1-Trichloroethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,1,2,2-Tetrachloroethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,1,2-Trichloroethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,1-Dichloroethane	ND(0.10)	0.0011 J	ND(1.0)	ND(0.10) [ND(0.10)]
1,1-Dichloroethene	ND(0.10)	ND(0.0010)	ND(1.0)	ND(0.10) [ND(0.10)]
1,2,3-Trichloropropane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,2-Dibromo-3-chloropropane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,2-Dibromoethane	ND(0.10)	ND(0.0010)	ND(1.0)	ND(0.10) [ND(0.10)]
1,2-Dichloroethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,2-Dichloropropane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(1.0) J	ND(0.20) J [ND(0.20) J]
2-Butanone	ND(0.10)	ND(0.010)	ND(1.0)	ND(0.10) [ND(0.10)]
2-Chloro-1,3-butadiene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
2-Chloroethylvinylether	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
2-Hexanone	ND(0.10)	ND(0.010)	ND(1.0)	ND(0.10) [ND(0.10)]
3-Chloropropene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
4-Methyl-2-pentanone	ND(0.10)	ND(0.010)	ND(1.0)	ND(0.10) [ND(0.10)]
Acetone	ND(0.10)	ND(0.010) J	ND(1.0)	ND(0.10) [ND(0.10)]
Acetonitrile	ND(0.10) J	ND(0.10) J	ND(1.0) J	ND(0.10) J [ND(0.10) J]
Acrolein	ND(0.10) J	ND(0.10) J	ND(1.0) J	ND(0.10) J [ND(0.10) J]
Acrylonitrile	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Benzene	1.6	0.0020 J	5.5	0.16 [0.17]
Bromodichloromethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Bromoform	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Bromomethane	ND(0.10)	ND(0.0020)	ND(1.0)	ND(0.10) [ND(0.10)]
Carbon Disulfide	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Carbon Tetrachloride	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Chlorobenzene	2.0	0.00051 J	16	1.4 [1.3]
Chloroethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Chloroform	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Chloromethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
cis-1,3-Dichloropropene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Dibromochloromethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Dibromomethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Dichlorodifluoromethane	ND(0.10)	ND(0.0050) J	ND(1.0)	ND(0.10) [ND(0.10)]
Ethyl Methacrylate	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Ethylbenzene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Iodomethane	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Isobutanol	ND(0.10) J	ND(0.10) J	ND(1.0) J	ND(0.10) J [ND(0.10) J]
Methacrylonitrile	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Methyl Methacrylate	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Methylene Chloride	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Propionitrile	ND(0.10)	ND(0.010)	ND(1.0) J	ND(0.10) [ND(0.10)]
Styrene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Tetrachloroethene	ND(0.10)	ND(0.0020)	ND(1.0)	ND(0.10) [ND(0.10)]
Toluene	ND(0.10)	0.0076	ND(1.0)	ND(0.10) [ND(0.10)]
trans-1,2-Dichloroethene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
trans-1,3-Dichloropropene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
trans-1,4-Dichloro-2-butene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Trichloroethene	ND(0.10)	ND(0.0050)	ND(1.0)	ND(0.10) [ND(0.10)]
Trichlorofluoromethane	ND(0.10)	ND(0.0050) J	ND(1.0)	ND(0.10) J [ND(0.10) J]
Vinyl Acetate	ND(0.10)	ND(0.0050)	ND(1.0) J	ND(0.10) J [ND(0.10) J]
Vinyl Chloride	ND(0.10)	ND(0.0020)	ND(1.0)	ND(0.10) [ND(0.10)]
Xylenes (total)	ND(0.10)	ND(0.010)	ND(1.0)	ND(0.10) [ND(0.10)]
Total VOCs	3.6	0.011 J	22	1.6 [1.5]

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 04/07/05	82B-R 04/11/05	89A 05/02/05	89B 05/03/05
PCBs-Unfiltered				
Aroclor-1016	ND(0.00050)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1221	ND(0.00050)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1232	ND(0.00050)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1242	ND(0.00050)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1248	ND(0.00050)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1254	0.00021 J	0.00043	NA	ND(0.000065) [0.000075]
Aroclor-1260	ND(0.00050)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Total PCBs	0.00021 J	0.00043	NA	ND(0.000065) [0.000075]
PCBs-Filtered				
Aroclor-1016	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1221	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1232	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1242	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1248	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1254	0.000055 J	0.00030	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1260	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Total PCBs	0.000055 J	0.00030	NA	ND(0.000065) [ND(0.000065)]
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
1,2-Dichlorobenzene	0.0026 J	0.0079 J	NA	ND(0.010) [0.0012 J]
1,2-Diphenylhydrazine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
1,3,5-Trinitrobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) J [ND(0.010) J]
1,3-Dichlorobenzene	0.0045 J	ND(0.010)	NA	ND(0.010) [ND(0.010)]
1,3-Dinitrobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
1,4-Dichlorobenzene	0.021	ND(0.010)	NA	0.0060 J [0.0073 J]
1,4-Naphthoquinone	ND(0.010) J	ND(0.010)	NA	ND(0.010) J [ND(0.010) J]
1-Naphthylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2,3,4,6-Tetrachlorophenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2,4,6-Trichlorophenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2,4-Dichlorophenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2,4-Dinitrophenol	ND(0.050) J	ND(0.050)	NA	ND(0.050) [ND(0.050)]
2,4-Dinitrotoluene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2,6-Dichlorophenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2,6-Dinitrotoluene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2-Acetylaminofluorene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2-Chloronaphthalene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2-Chlorophenol	0.0071 J	ND(0.010)	NA	0.0049 J [0.0068 J]
2-Methylnaphthalene	0.020	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2-Methylphenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2-Naphthylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2-Nitroaniline	ND(0.050)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
2-Nitrophenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
2-Picoline	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
3&4-Methylphenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	NA	ND(0.020) [ND(0.020)]
3,3'-Dimethylbenzidine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
3-Methylcholanthrene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
3-Nitroaniline	ND(0.050)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.050)	NA	ND(0.050) J [ND(0.050) J]
4-Aminobiphenyl	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
4-Bromophenyl-phenylether	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
4-Chloroaniline	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
4-Chlorobenzilate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
4-Chlorophenol	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 04/07/05	82B-R 04/11/05	89A 05/02/05	89B 05/03/05
Semivolatile Organics (continued)				
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
4-Nitroaniline	ND(0.050)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
4-Nitrophenol	ND(0.050)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
4-Nitroquinoline-1-oxide	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J [ND(0.010) J]
4-Phenylenediamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
5-Nitro-o-toluidine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
a,a'-Dimethylphenethylamine	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J [ND(0.010) J]
Acenaphthene	0.012	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Acenaphthylene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Acetophenone	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Aniline	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J [ND(0.010) J]
Anthracene	0.0020 J	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Aramite	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Benzidine	ND(0.020) J	ND(0.020) J	NA	ND(0.020) J [ND(0.020) J]
Benzo(a)anthracene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Benzo(a)pyrene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Benzo(g,h,i)perylene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Benzo(k)fluoranthene	ND(0.010)	ND(0.010)	NA	ND(0.010) J [ND(0.010) J]
Benzyl Alcohol	ND(0.020)	ND(0.020)	NA	ND(0.020) [ND(0.020)]
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	NA	ND(0.0060) [ND(0.0060)]
Butylbenzylphthalate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Chrysene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Diallate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Dibenzofuran	0.011	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Diethylphthalate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Dimethylphthalate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Di-n-Butylphthalate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Di-n-Octylphthalate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Diphenylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) J [ND(0.010) J]
Ethyl Methanesulfonate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Fluoranthene	0.0018 J	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Fluorene	0.010	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Hexachlorobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Hexachlorobutadiene	ND(0.010)	ND(0.0010)	NA	ND(0.10) J [ND(0.10) J]
Hexachlorocyclopentadiene	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J [ND(0.010) J]
Hexachloroethane	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Hexachlorophene	ND(0.020) J	ND(0.020) J	NA	ND(0.020) J [ND(0.020) J]
Hexachloropropene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Isodrin	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Isophorone	ND(0.010) J	ND(0.010) J	NA	ND(0.010) [ND(0.010)]
Isosafrole	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J [ND(0.010) J]
Methapyrilene	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J [ND(0.010) J]
Methyl Methanesulfonate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Naphthalene	0.027	ND(0.010)	NA	0.0033 J [0.0042 J]
Nitrobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
N-Nitrosomorpholine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]

TABLE D-1
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GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 04/07/05	82B-R 04/11/05	89A 05/02/05	89B 05/03/05
Semivolatile Organics (continued)				
N-Nitrosopiperidine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
N-Nitrosopyrrolidine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
o-Toluidine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Pentachlorobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Pentachloroethane	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Pentachloronitrobenzene	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Pentachlorophenol	ND(0.050)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
Phenacetin	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Phenanthrene	0.014	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Phenol	0.013	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Pronamide	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Pyrene	0.0011 J	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Pyridine	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Safrole	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J [ND(0.010) J]
Thionazin	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Organochlorine Pesticides				
4,4'-DDD	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
4,4'-DDE	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
4,4'-DDT	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aldrin	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Alpha-BHC	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Alpha-Chlordane	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Beta-BHC	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Delta-BHC	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Dieldrin	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Endosulfan I	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Endosulfan II	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Endosulfan Sulfate	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Endrin	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Endrin Aldehyde	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Endrin Ketone	ND(0.00010)	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Gamma-BHC (Lindane)	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Gamma-Chlordane	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Heptachlor	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Heptachlor Epoxide	ND(0.000050)	ND(0.000050)	NA	ND(0.000050) [ND(0.000050)]
Kepone	ND(0.050) J	ND(0.050) J	NA	ND(0.050) J [ND(0.050) J]
Methoxychlor	ND(0.00050)	ND(0.00050)	NA	ND(0.00050) [ND(0.00050)]
Technical Chlordane	ND(0.00062)	ND(0.00050)	NA	ND(0.00050) [ND(0.00050)]
Toxaphene	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Organophosphate Pesticides				
Dimethoate	ND(0.050) J	ND(0.050) J	NA	ND(0.050) J [ND(0.050) J]
Disulfoton	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Ethyl Parathion	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Famphur	ND(0.050)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
Methyl Parathion	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Phorate	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Sulfotep	ND(0.010)	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Herbicides				
2,4,5-T	ND(0.0020)	ND(0.0020)	NA	ND(0.0020) [ND(0.0020)]
2,4,5-TP	ND(0.0020)	ND(0.0020)	NA	ND(0.0020) [ND(0.0020)]
2,4-D	0.00055 J	ND(0.010)	NA	ND(0.010) [ND(0.010)]
Dinoseb	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 04/07/05	82B-R 04/11/05	89A 05/02/05	89B 05/03/05
Furans				
2,3,7,8-TCDF	ND(0.0000000017)	ND(0.0000000021)	NA	ND(0.0000000017) [ND(0.0000000020)]
TCDFs (total)	ND(0.0000000024)	ND(0.0000000021)	NA	ND(0.0000000017) [ND(0.0000000032)]
1,2,3,7,8-PeCDF	ND(0.0000000031)	ND(0.0000000044)	NA	ND(0.0000000013) [ND(0.0000000016)]
2,3,4,7,8-PeCDF	ND(0.0000000032)	ND(0.0000000045)	NA	ND(0.0000000013) [ND(0.0000000016)]
PeCDFs (total)	ND(0.0000000040)	ND(0.0000000045)	NA	ND(0.0000000017) [ND(0.0000000020)]
1,2,3,4,7,8-HxCDF	ND(0.0000000035)	ND(0.0000000052)	NA	ND(0.0000000017) [ND(0.0000000017)]
1,2,3,6,7,8-HxCDF	ND(0.0000000029)	ND(0.0000000042)	NA	ND(0.0000000017) [ND(0.0000000017)]
1,2,3,7,8,9-HxCDF	ND(0.0000000039)	ND(0.0000000056)	NA	ND(0.0000000019) [ND(0.0000000019)]
2,3,4,6,7,8-HxCDF	ND(0.0000000034)	ND(0.0000000050)	NA	ND(0.0000000018) [ND(0.0000000019)]
HxCDFs (total)	ND(0.0000000039)	ND(0.0000000056)	NA	ND(0.0000000019) [ND(0.0000000019)]
1,2,3,4,6,7,8-HpCDF	ND(0.0000000030)	ND(0.0000000039)	NA	ND(0.0000000026) [ND(0.0000000018)]
1,2,3,4,7,8,9-HpCDF	ND(0.0000000037)	ND(0.0000000049)	NA	ND(0.0000000010) [ND(0.0000000010)]
HpCDFs (total)	ND(0.0000000037)	ND(0.0000000049)	NA	ND(0.0000000026) [ND(0.0000000018)]
OCDF	ND(0.0000000060)	ND(0.0000000099)	NA	ND(0.0000000032) [ND(0.0000000023)]
Dioxins				
2,3,7,8-TCDD	ND(0.0000000022)	ND(0.0000000028)	NA	ND(0.0000000011) [ND(0.0000000014)]
TCDDs (total)	ND(0.0000000022)	ND(0.0000000028)	NA	ND(0.0000000011) [ND(0.0000000014)]
1,2,3,7,8-PeCDD	ND(0.0000000045)	ND(0.0000000074)	NA	ND(0.0000000022) [ND(0.0000000029)]
PeCDDs (total)	ND(0.0000000046)	ND(0.0000000074)	NA	ND(0.0000000022) [ND(0.0000000029)]
1,2,3,4,7,8-HxCDD	ND(0.0000000046)	ND(0.0000000066)	NA	ND(0.0000000015) [ND(0.0000000020)]
1,2,3,6,7,8-HxCDD	ND(0.0000000035)	ND(0.0000000051)	NA	ND(0.0000000014) [ND(0.0000000019)]
1,2,3,7,8,9-HxCDD	ND(0.0000000038)	ND(0.0000000055)	NA	ND(0.0000000014) [ND(0.0000000018)]
HxCDDs (total)	ND(0.0000000046)	ND(0.0000000066)	NA	ND(0.0000000015) [ND(0.0000000020)]
1,2,3,4,6,7,8-HpCDD	ND(0.0000000044)	ND(0.0000000077)	NA	ND(0.0000000052) [ND(0.0000000061)]
HpCDDs (total)	ND(0.0000000044)	ND(0.0000000077)	NA	ND(0.0000000062) [ND(0.0000000065)]
OCDD	ND(0.0000000083)	ND(0.000000011)	NA	ND(0.000000035) [ND(0.000000051)]
Total TEQs (WHO TEFs)	0.0000000056	0.0000000084	NA	0.0000000027 [0.0000000034]
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	NA	0.00770 B [ND(0.0600)]
Arsenic	ND(0.0100) J	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Barium	1.90	0.0590 B	NA	0.0630 B [0.0590 B]
Beryllium	ND(0.00100)	ND(0.00100)	NA	ND(0.00100) [ND(0.00100)]
Cadmium	ND(0.00500)	ND(0.00500)	NA	ND(0.00500) [ND(0.00500)]
Chromium	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Cobalt	ND(0.0500)	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]
Copper	ND(0.0250)	ND(0.0250)	NA	ND(0.0250) [ND(0.0250)]
Cyanide	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Lead	ND(0.00300) J	ND(0.00300) J	NA	ND(0.00300) [ND(0.00300)]
Mercury	ND(0.000200)	ND(0.000200)	NA	ND(0.000200) [ND(0.000200)]
Nickel	0.0260 B	ND(0.0400)	NA	ND(0.0400) [ND(0.0400)]
Selenium	ND(0.00500)	ND(0.00500)	NA	ND(0.00500) J [ND(0.00500) J]
Silver	ND(0.00500)	ND(0.005)	NA	ND(0.00500) [ND(0.00500)]
Sulfide	ND(5.0)	3.20 B	NA	ND(5.0) [ND(5.0)]
Thallium	ND(0.0100)	ND(0.0100) J	NA	ND(0.0100) [ND(0.0100)]
Tin	ND(0.0300)	ND(0.0300)	NA	ND(0.0300) [ND(0.0300)]
Vanadium	ND(0.0500)	0.00280 B	NA	0.00170 B [0.00140 B]
Zinc	0.0160 B	ND(0.020)	NA	ND(0.020) [ND(0.020)]

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 04/07/05	82B-R 04/11/05	89A 05/02/05	89B 05/03/05
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	NA	ND(0.0600) [ND(0.0600)]
Arsenic	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Barium	1.70	0.0360 B	NA	0.0620 B [0.0630 B]
Beryllium	ND(0.00100)	ND(0.00100)	NA	ND(0.00100) [ND(0.00100)]
Cadmium	ND(0.00500)	ND(0.00500)	NA	ND(0.00500) [ND(0.00500)]
Chromium	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Cobalt	ND(0.0500)	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]
Copper	ND(0.0250)	ND(0.0250)	NA	ND(0.0250) [ND(0.0250)]
Cyanide	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Lead	ND(0.00300)	ND(0.00300)	NA	ND(0.00300) [ND(0.00300)]
Mercury	ND(0.000200)	ND(0.000200)	NA	ND(0.000200) [ND(0.000200)]
Nickel	0.0220 B	ND(0.0400)	NA	ND(0.0400) [ND(0.0400)]
Selenium	ND(0.00500)	ND(0.00500)	NA	ND(0.00500) [ND(0.00500)]
Silver	ND(0.00500)	ND(0.00500)	NA	ND(0.00500) [ND(0.00500)]
Thallium	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Tin	ND(0.0300)	ND(0.0300)	NA	ND(0.0300) [ND(0.0300)]
Vanadium	ND(0.0500)	ND(0.0500)	NA	0.00180 B [0.00160 B]
Zinc	ND(0.0200)	0.00240 B	NA	ND(0.0200) [0.00410 B]
Natural Attenuation Parameters				
Alkalinity (Total)	NA	NA	340	270 [260]
Chloride	NA	NA	320	130 [110]
Dissolved Iron	NA	NA	ND(0.0500)	5.60 [5.80]
Dissolved Organic Carbon	NA	NA	11.0	6.90 [5.20]
Ethane	NA	NA	0.023	ND(0.0040) [ND(0.0040)]
Ethene	NA	NA	0.0054	ND(0.0030) [ND(0.0030)]
Methane	NA	NA	1.40	2.80 [2.80]
Nitrate Nitrogen	NA	NA	0.0170 B	0.0150 B [0.0510]
Nitrite Nitrogen	NA	NA	ND(0.0500)	0.00790 B [0.0130 B]
Sulfate (turbidimetric)	NA	NA	ND(2.00)	ND(2.00) [ND(2.00)]

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89D-R 4/26-5/2/2005	90A 04/14/05	90B 04/14/05	95A 04/22/05	95B-R 04/21/05
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,1,1-Trichloroethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,1,2,2-Tetrachloroethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,1,2-Trichloroethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,1-Dichloroethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,1-Dichloroethene	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
1,2,3-Trichloropropane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,2-Dibromo-3-chloropropane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,2-Dibromoethane	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
1,2-Dichloroethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,2-Dichloropropane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
2-Chloroethylvinylether	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
2-Hexanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetonitrile	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrolein	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrylonitrile	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Benzene	0.15	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.047
Bromodichloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Bromoform	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Bromomethane	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Carbon Tetrachloride	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Chlorobenzene	0.45	ND(0.0050)	ND(0.0050)	0.00053 J	0.37
Chloroethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Chloroform	0.024	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
cis-1,3-Dichloropropene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Dibromochloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Dibromomethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Dichlorodifluoromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Ethyl Methacrylate	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Ethylbenzene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Iodomethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Isobutanol	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Methacrylonitrile	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Methyl Methacrylate	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Methylene Chloride	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Propionitrile	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Styrene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Tetrachloroethene	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.010)
Toluene	ND(0.010)	0.00072 J	ND(0.0050)	ND(0.005)	ND(0.010)
trans-1,2-Dichloroethene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
trans-1,3-Dichloropropene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
trans-1,4-Dichloro-2-butene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Trichloroethene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Trichlorofluoromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Vinyl Acetate	ND(0.010) J	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.010) J
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.010)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	0.62	0.00072 J	ND(0.20)	0.00053 J	0.42

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89D-R 4/26-5/2/2005	90A 04/14/05	90B 04/14/05	95A 04/22/05	95B-R 04/21/05
PCBs-Unfiltered					
Aroclor-1016	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1221	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1232	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1242	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1248	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1254	NA	NA	ND(0.000065)	NA	0.00010
Aroclor-1260	NA	NA	ND(0.000065)	NA	ND(0.000065)
Total PCBs	NA	NA	ND(0.000065)	NA	0.00010
PCBs-Filtered					
Aroclor-1016	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1221	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1232	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1242	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1248	NA	NA	ND(0.000065)	NA	ND(0.000065)
Aroclor-1254	NA	NA	ND(0.000065)	NA	0.000060 J
Aroclor-1260	NA	NA	ND(0.000065)	NA	ND(0.000065)
Total PCBs	NA	NA	ND(0.000065)	NA	0.000060 J
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
1,2,4-Trichlorobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
1,2-Dichlorobenzene	NA	NA	ND(0.010)	NA	0.0012 J
1,2-Diphenylhydrazine	NA	NA	ND(0.010)	NA	ND(0.010)
1,3,5-Trinitrobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
1,3-Dichlorobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
1,3-Dinitrobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
1,4-Dichlorobenzene	NA	NA	ND(0.010)	NA	0.0046 J
1,4-Naphthoquinone	NA	NA	ND(0.010) J	NA	ND(0.010) J
1-Naphthylamine	NA	NA	ND(0.010)	NA	ND(0.010)
2,3,4,6-Tetrachlorophenol	NA	NA	ND(0.010)	NA	ND(0.010)
2,4,5-Trichlorophenol	NA	NA	ND(0.010)	NA	ND(0.010)
2,4,6-Trichlorophenol	NA	NA	ND(0.010)	NA	ND(0.010)
2,4-Dichlorophenol	NA	NA	ND(0.010)	NA	ND(0.010)
2,4-Dimethylphenol	NA	NA	ND(0.010)	NA	ND(0.010)
2,4-Dinitrophenol	NA	NA	ND(0.050)	NA	ND(0.050)
2,4-Dinitrotoluene	NA	NA	ND(0.010)	NA	ND(0.010)
2,6-Dichlorophenol	NA	NA	ND(0.010)	NA	ND(0.010)
2,6-Dinitrotoluene	NA	NA	ND(0.010)	NA	ND(0.010)
2-Acetylaminofluorene	NA	NA	ND(0.010)	NA	ND(0.010)
2-Chloronaphthalene	NA	NA	ND(0.010)	NA	ND(0.010)
2-Chlorophenol	NA	NA	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	NA	NA	ND(0.010)	NA	ND(0.010)
2-Methylphenol	NA	NA	ND(0.010)	NA	ND(0.010)
2-Naphthylamine	NA	NA	ND(0.010)	NA	ND(0.010)
2-Nitroaniline	NA	NA	ND(0.050)	NA	ND(0.050)
2-Nitrophenol	NA	NA	ND(0.010)	NA	ND(0.010)
2-Picoline	NA	NA	ND(0.010)	NA	ND(0.010)
3&4-Methylphenol	NA	NA	ND(0.010)	NA	ND(0.010)
3,3'-Dichlorobenzidine	NA	NA	ND(0.020)	NA	ND(0.020)
3,3'-Dimethylbenzidine	NA	NA	ND(0.010)	NA	ND(0.010)
3-Methylcholanthrene	NA	NA	ND(0.010)	NA	ND(0.010)
3-Nitroaniline	NA	NA	ND(0.050)	NA	ND(0.050)
4,6-Dinitro-2-methylphenol	NA	NA	ND(0.050)	NA	ND(0.050)
4-Aminobiphenyl	NA	NA	ND(0.010)	NA	ND(0.010)
4-Bromophenyl-phenylether	NA	NA	ND(0.010)	NA	ND(0.010)
4-Chloro-3-Methylphenol	NA	NA	ND(0.010)	NA	ND(0.010)
4-Chloroaniline	NA	NA	ND(0.010)	NA	ND(0.010)
4-Chlorobenzilate	NA	NA	ND(0.010)	NA	ND(0.010)
4-Chlorophenol	NA	NA	NA	ND(0.010)	ND(0.010)

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89D-R 4/26-5/2/2005	90A 04/14/05	90B 04/14/05	95A 04/22/05	95B-R 04/21/05
Semivolatile Organics (continued)					
4-Chlorophenyl-phenylether	NA	NA	ND(0.010)	NA	ND(0.010)
4-Nitroaniline	NA	NA	ND(0.050)	NA	ND(0.050)
4-Nitrophenol	NA	NA	ND(0.050)	NA	ND(0.050)
4-Nitroquinoline-1-oxide	NA	NA	ND(0.010) J	NA	ND(0.010) J
4-Phenylenediamine	NA	NA	ND(0.010)	NA	ND(0.010)
5-Nitro-o-toluidine	NA	NA	ND(0.010)	NA	ND(0.010)
7,12-Dimethylbenz(a)anthracene	NA	NA	ND(0.010)	NA	ND(0.010)
a,a'-Dimethylphenethylamine	NA	NA	ND(0.010) J	NA	ND(0.010) J
Acenaphthene	NA	NA	ND(0.010)	NA	ND(0.010)
Acenaphthylene	NA	NA	ND(0.010)	NA	ND(0.010)
Acetophenone	NA	NA	ND(0.010)	NA	ND(0.010)
Aniline	NA	NA	ND(0.010) J	NA	ND(0.010) J
Anthracene	NA	NA	ND(0.010)	NA	ND(0.010)
Aramite	NA	NA	ND(0.010)	NA	ND(0.010)
Benzidine	NA	NA	ND(0.020) J	NA	ND(0.020) J
Benzo(a)anthracene	NA	NA	ND(0.010)	NA	ND(0.010)
Benzo(a)pyrene	NA	NA	ND(0.010)	NA	ND(0.010)
Benzo(b)fluoranthene	NA	NA	ND(0.010)	NA	ND(0.010)
Benzo(g,h,i)perylene	NA	NA	ND(0.010)	NA	ND(0.010)
Benzo(k)fluoranthene	NA	NA	ND(0.010)	NA	ND(0.010)
Benzyl Alcohol	NA	NA	ND(0.020)	NA	ND(0.020)
bis(2-Chloroethoxy)methane	NA	NA	ND(0.010)	NA	ND(0.010)
bis(2-Chloroethyl)ether	NA	NA	ND(0.010)	NA	ND(0.010)
bis(2-Chloroisopropyl)ether	NA	NA	ND(0.010)	NA	ND(0.010)
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.0060)	NA	ND(0.0060)
Butylbenzylphthalate	NA	NA	ND(0.010)	NA	ND(0.010)
Chrysene	NA	NA	ND(0.010)	NA	ND(0.010)
Diallate	NA	NA	ND(0.010)	NA	ND(0.010)
Dibenzo(a,h)anthracene	NA	NA	ND(0.010)	NA	ND(0.010)
Dibenzofuran	NA	NA	ND(0.010)	NA	ND(0.010)
Diethylphthalate	NA	NA	ND(0.010)	NA	ND(0.010)
Dimethylphthalate	NA	NA	ND(0.010)	NA	ND(0.010)
Di-n-Butylphthalate	NA	NA	ND(0.010)	NA	ND(0.010)
Di-n-Octylphthalate	NA	NA	ND(0.010)	NA	ND(0.010)
Diphenylamine	NA	NA	ND(0.010)	NA	ND(0.010)
Ethyl Methanesulfonate	NA	NA	ND(0.010)	NA	ND(0.010)
Fluoranthene	NA	NA	ND(0.010)	NA	ND(0.010)
Fluorene	NA	NA	ND(0.010)	NA	ND(0.010)
Hexachlorobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
Hexachlorobutadiene	ND(0.010)	NA	ND(0.0010)	NA	ND(0.010)
Hexachlorocyclopentadiene	NA	NA	ND(0.010) J	NA	ND(0.010) J
Hexachloroethane	NA	NA	ND(0.010)	NA	ND(0.010)
Hexachlorophene	NA	NA	ND(0.020) J	NA	ND(0.020) J
Hexachloropropene	NA	NA	ND(0.010)	NA	ND(0.010)
Indeno(1,2,3-cd)pyrene	NA	NA	ND(0.010)	NA	ND(0.010)
Isodrin	NA	NA	ND(0.010)	NA	ND(0.010)
Isophorone	NA	NA	ND(0.010)	NA	ND(0.010)
Isosafrole	NA	NA	ND(0.010) J	NA	ND(0.010) J
Methapyrilene	NA	NA	ND(0.010) J	NA	ND(0.010) J
Methyl Methanesulfonate	NA	NA	ND(0.010)	NA	ND(0.010)
Naphthalene	NA	NA	ND(0.010)	NA	ND(0.010)
Nitrobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosodiethylamine	NA	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosodimethylamine	NA	NA	ND(0.010)	NA	ND(0.010)
N-Nitroso-di-n-butylamine	NA	NA	ND(0.010)	NA	ND(0.010)
N-Nitroso-di-n-propylamine	NA	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosodiphenylamine	NA	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosomethylethylamine	NA	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosomorpholine	NA	NA	ND(0.010)	NA	ND(0.010)

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89D-R 4/26-5/2/2005	90A 04/14/05	90B 04/14/05	95A 04/22/05	95B-R 04/21/05
Semivolatile Organics (continued)					
N-Nitrosopiperidine	NA	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosopyrrolidine	NA	NA	ND(0.010)	NA	ND(0.010)
o,o,o-Triethylphosphorothioate	NA	NA	ND(0.010)	NA	ND(0.010)
o-Toluidine	NA	NA	ND(0.010)	NA	ND(0.010)
p-Dimethylaminoazobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
Pentachlorobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
Pentachloroethane	NA	NA	ND(0.010)	NA	ND(0.010)
Pentachloronitrobenzene	NA	NA	ND(0.010)	NA	ND(0.010)
Pentachlorophenol	NA	NA	ND(0.050)	NA	ND(0.050)
Phenacetin	NA	NA	ND(0.010)	NA	ND(0.010)
Phenanthrene	NA	NA	ND(0.010)	NA	ND(0.010)
Phenol	NA	NA	ND(0.010)	NA	ND(0.010)
Pronamide	NA	NA	ND(0.010)	NA	ND(0.010)
Pyrene	NA	NA	ND(0.010)	NA	ND(0.010)
Pyridine	NA	NA	ND(0.010)	NA	ND(0.010)
Safrole	NA	NA	ND(0.010) J	NA	ND(0.010) J
Thionazin	NA	NA	ND(0.010)	NA	ND(0.010)
Organochlorine Pesticides					
4,4'-DDD	NA	NA	ND(0.00010)	NA	ND(0.00010)
4,4'-DDE	NA	NA	ND(0.00010)	NA	ND(0.00010)
4,4'-DDT	NA	NA	ND(0.00010)	NA	ND(0.00010)
Aldrin	NA	NA	ND(0.000050)	NA	ND(0.000050)
Alpha-BHC	NA	NA	ND(0.000050)	NA	ND(0.000050)
Alpha-Chlordane	NA	NA	ND(0.000050)	NA	ND(0.000050)
Beta-BHC	NA	NA	ND(0.000050)	NA	ND(0.000050)
Delta-BHC	NA	NA	ND(0.000050)	NA	ND(0.000050)
Dieldrin	NA	NA	ND(0.00010)	NA	ND(0.00010)
Endosulfan I	NA	NA	ND(0.00010)	NA	ND(0.00010)
Endosulfan II	NA	NA	ND(0.00010)	NA	ND(0.00010)
Endosulfan Sulfate	NA	NA	ND(0.00010)	NA	ND(0.00010)
Endrin	NA	NA	ND(0.00010)	NA	ND(0.00010)
Endrin Aldehyde	NA	NA	ND(0.00010)	NA	ND(0.00010)
Endrin Ketone	NA	NA	ND(0.00010)	NA	ND(0.00010)
Gamma-BHC (Lindane)	NA	NA	ND(0.000050)	NA	ND(0.000050) J
Gamma-Chlordane	NA	NA	ND(0.000050)	NA	ND(0.000050)
Heptachlor	NA	NA	ND(0.000050)	NA	ND(0.000050)
Heptachlor Epoxide	NA	NA	ND(0.000050)	NA	ND(0.000050)
Kepone	NA	NA	ND(0.050) J	NA	ND(0.050) J
Methoxychlor	NA	NA	ND(0.00050)	NA	ND(0.00050)
Technical Chlordane	NA	NA	ND(0.00050)	NA	ND(0.00050)
Toxaphene	NA	NA	ND(0.0010)	NA	ND(0.0010)
Organophosphate Pesticides					
Dimethoate	NA	NA	ND(0.050) J	NA	ND(0.050) J
Disulfoton	NA	NA	ND(0.010)	NA	ND(0.010)
Ethyl Parathion	NA	NA	ND(0.010)	NA	ND(0.010)
Famphur	NA	NA	ND(0.050)	NA	ND(0.050)
Methyl Parathion	NA	NA	ND(0.010)	NA	ND(0.010)
Phorate	NA	NA	ND(0.010)	NA	ND(0.010)
Sulfotep	NA	NA	ND(0.010)	NA	ND(0.010)
Herbicides					
2,4,5-T	NA	NA	ND(0.0020)	NA	ND(0.0020)
2,4,5-TP	NA	NA	ND(0.0020)	NA	ND(0.0020)
2,4-D	NA	NA	ND(0.010)	NA	ND(0.010)
Dinoseb	NA	NA	ND(0.0010)	NA	ND(0.0010) J

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89D-R 4/26-5/2/2005	90A 04/14/05	90B 04/14/05	95A 04/22/05	95B-R 04/21/05
Furans					
2,3,7,8-TCDF	NA	NA	ND(0.0000000079)	NA	ND(0.0000000018)
TCDFs (total)	NA	NA	ND(0.0000000079)	NA	ND(0.0000000018)
1,2,3,7,8-PeCDF	NA	NA	ND(0.000000011)	NA	ND(0.0000000040)
2,3,4,7,8-PeCDF	NA	NA	ND(0.000000011)	NA	ND(0.0000000040)
PeCDFs (total)	NA	NA	ND(0.000000011)	NA	ND(0.0000000040)
1,2,3,4,7,8-HxCDF	NA	NA	ND(0.0000000082)	NA	ND(0.0000000037)
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.0000000067)	NA	ND(0.0000000030)
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.0000000090)	NA	ND(0.0000000040)
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.0000000080)	NA	ND(0.0000000036)
HxCDFs (total)	NA	NA	ND(0.0000000090)	NA	ND(0.0000000040)
1,2,3,4,6,7,8-HpCDF	NA	NA	ND(0.0000000067)	NA	ND(0.0000000044)
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.0000000084)	NA	ND(0.0000000056)
HpCDFs (total)	NA	NA	ND(0.0000000084)	NA	ND(0.0000000056)
OCDF	NA	NA	ND(0.000000014)	NA	ND(0.000000010)
Dioxins					
2,3,7,8-TCDD	NA	NA	ND(0.0000000082)	NA	ND(0.0000000027)
TCDDs (total)	NA	NA	ND(0.0000000082)	NA	ND(0.0000000027)
1,2,3,7,8-PeCDD	NA	NA	ND(0.000000016)	NA	ND(0.0000000058)
PeCDDs (total)	NA	NA	ND(0.000000016)	NA	ND(0.0000000058)
1,2,3,4,7,8-HxCDD	NA	NA	ND(0.000000012)	NA	ND(0.0000000068)
1,2,3,6,7,8-HxCDD	NA	NA	ND(0.0000000093)	NA	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	NA	NA	ND(0.000000010)	NA	ND(0.0000000056)
HxCDDs (total)	NA	NA	ND(0.000000012)	NA	ND(0.0000000068)
1,2,3,4,6,7,8-HpCDD	NA	NA	ND(0.000000012)	NA	ND(0.0000000062)
HpCDDs (total)	NA	NA	ND(0.000000012)	NA	ND(0.0000000062)
OCDD	NA	NA	ND(0.000000013)	NA	ND(0.000000012)
Total TEQs (WHO TEFs)	NA	NA	0.000000019	NA	0.0000000071
Inorganics-Unfiltered					
Antimony	NA	NA	ND(0.0600)	NA	ND(0.0600)
Arsenic	NA	NA	ND(0.0100)	NA	ND(0.0100) J
Barium	NA	NA	0.0210 B	NA	0.0770 B
Beryllium	NA	NA	ND(0.00100)	NA	ND(0.001)
Cadmium	NA	NA	ND(0.00500)	NA	ND(0.00500)
Chromium	NA	NA	0.00330 B	NA	ND(0.0100)
Cobalt	NA	NA	ND(0.0500)	NA	ND(0.0500)
Copper	NA	NA	ND(0.0250)	NA	ND(0.0250)
Cyanide	NA	NA	ND(0.0100)	NA	ND(0.0100)
Lead	NA	NA	ND(0.00300) J	NA	ND(0.00300)
Mercury	NA	NA	ND(0.000200)	NA	ND(0.000200)
Nickel	NA	NA	0.00180 B	NA	ND(0.0400)
Selenium	NA	NA	ND(0.00500) J	NA	ND(0.00500) J
Silver	NA	NA	ND(0.00500)	NA	ND(0.00500)
Sulfide	NA	NA	ND(5.00)	NA	ND(5.0)
Thallium	NA	NA	ND(0.0100)	NA	ND(0.0100) J
Tin	NA	NA	ND(0.0300)	NA	ND(0.0300)
Vanadium	NA	NA	ND(0.0500)	NA	ND(0.0500)
Zinc	NA	NA	ND(0.020)	NA	ND(0.0200) J

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89D-R 4/26-5/2/2005	90A 04/14/05	90B 04/14/05	95A 04/22/05	95B-R 04/21/05
Inorganics-Filtered					
Antimony	NA	NA	ND(0.0600)	NA	ND(0.0600)
Arsenic	NA	NA	ND(0.0100)	NA	ND(0.0100)
Barium	NA	NA	0.0210 B	NA	0.0760 B
Beryllium	NA	NA	ND(0.00100)	NA	ND(0.00100)
Cadmium	NA	NA	ND(0.00500)	NA	ND(0.00500)
Chromium	NA	NA	0.00260 B	NA	ND(0.0100)
Cobalt	NA	NA	ND(0.0500)	NA	ND(0.0500)
Copper	NA	NA	ND(0.0250)	NA	ND(0.0250)
Cyanide	NA	NA	ND(0.0100)	NA	ND(0.0100)
Lead	NA	NA	ND(0.00300)	NA	ND(0.00300)
Mercury	NA	NA	ND(0.000200)	NA	ND(0.000200)
Nickel	NA	NA	ND(0.0400)	NA	ND(0.0400)
Selenium	NA	NA	ND(0.00500)	NA	ND(0.00500)
Silver	NA	NA	ND(0.00500)	NA	ND(0.00500)
Thallium	NA	NA	ND(0.0100)	NA	ND(0.0100)
Tin	NA	NA	ND(0.0300)	NA	ND(0.0300)
Vanadium	NA	NA	ND(0.0500)	NA	ND(0.0500)
Zinc	NA	NA	ND(0.0200)	NA	ND(0.0200)
Natural Attenuation Parameters					
Alkalinity (Total)	330	160	140	100	180
Chloride	540	7.4	4.1	ND(2.1)	97
Dissolved Iron	ND(0.0500)	ND(0.0500)	2.60	0.720	0.820
Dissolved Organic Carbon	7.60	ND(1.0)	6.40	ND(1.0)	3.40
Ethane	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.020)
Ethene	0.0032	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.015)
Methane	0.00890	0.0190	0.0340	0.270	0.600 J
Nitrate Nitrogen	0.00480 B	0.0540	0.140	ND(.05)	0.0130 B
Nitrite Nitrogen	ND(0.0500)	ND(0.0500)	0.00260 B	0.00370 B	0.00440 B
Sulfate (turbidimetric)	18.0	20.0	4.20	0.700 B	2.00 J

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	111A-R 04/14/05	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05	GMA3-2 04/08/05
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	0.00058 J	ND(1.0)	ND(0.050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(1.0)	ND(0.050)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(1.0)	ND(0.050)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(1.0) J	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
2-Hexanone	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)	ND(0.010)
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)	ND(0.010)
Acetone	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)	ND(0.010) J
Acetonitrile	ND(0.10) J	ND(0.10) J	ND(1.0) J	ND(0.10) J	ND(0.10) J
Acrolein	ND(0.10) J	ND(0.10) J	ND(1.0) J	ND(0.10) J	ND(0.10) J
Acrylonitrile	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Benzene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	0.0070
Bromodichloromethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020)	ND(1.0)	ND(0.050)	ND(0.0020)
Carbon Disulfide	0.0081	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	0.0030 J	12	1.4	0.0011 J
Chloroethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Chloromethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050) J
Ethyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	0.0017 J
Iodomethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Isobutanol	ND(0.10) J	ND(0.10) J	ND(1.0) J	ND(0.10) J	ND(0.10) J
Methacrylonitrile	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Methyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Propionitrile	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)	ND(0.010)
Styrene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Tetrachloroethene	ND(0.0020)	ND(0.0020)	ND(1.0)	ND(0.050)	ND(0.0020)
Toluene	0.0088	0.0014 J	ND(1.0)	ND(0.050)	0.0027 J
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050) J
Vinyl Acetate	ND(0.0050)	ND(0.0050) J	ND(1.0) J	ND(0.050) J	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(1.0)	ND(0.050)	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)	ND(0.010)
Total VOCs	0.017	0.0050 J	12	1.4	0.013 J

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	111A-R 04/14/05	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05	GMA3-2 04/08/05
PCBs-Unfiltered					
Aroclor-1016	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1221	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1232	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1242	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1248	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1254	NA	0.000028 J	NA	0.000030 J	NA
Aroclor-1260	NA	ND(0.000065)	NA	ND(0.000065)	NA
Total PCBs	NA	0.000028 J	NA	0.000030 J	NA
PCBs-Filtered					
Aroclor-1016	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1221	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1232	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1242	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1248	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1254	NA	ND(0.000065)	NA	ND(0.000065)	NA
Aroclor-1260	NA	ND(0.000065)	NA	ND(0.000065)	NA
Total PCBs	NA	ND(0.000065)	NA	ND(0.000065)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.010)	NA	ND(0.010)	NA
1,2,4-Trichlorobenzene	NA	ND(0.010)	NA	0.0018 J	ND(0.0050)
1,2-Dichlorobenzene	NA	ND(0.010)	NA	0.012	ND(0.0050)
1,2-Diphenylhydrazine	NA	ND(0.010)	NA	ND(0.010)	NA
1,3,5-Trinitrobenzene	NA	ND(0.010)	NA	ND(0.010)	NA
1,3-Dichlorobenzene	NA	ND(0.010)	NA	0.0039 J	ND(0.0050)
1,3-Dinitrobenzene	NA	ND(0.010)	NA	ND(0.010)	NA
1,4-Dichlorobenzene	NA	ND(0.010)	NA	0.028	0.0011 J
1,4-Naphthoquinone	NA	ND(0.010) J	NA	ND(0.010) J	NA
1-Naphthylamine	NA	ND(0.010)	NA	ND(0.010)	NA
2,3,4,6-Tetrachlorophenol	NA	ND(0.010)	NA	ND(0.010)	NA
2,4,5-Trichlorophenol	NA	ND(0.010)	NA	ND(0.010)	NA
2,4,6-Trichlorophenol	NA	ND(0.010)	NA	ND(0.010)	NA
2,4-Dichlorophenol	NA	ND(0.010)	NA	ND(0.010)	NA
2,4-Dimethylphenol	NA	ND(0.010)	NA	ND(0.010)	NA
2,4-Dinitrophenol	NA	ND(0.050)	NA	ND(0.050)	NA
2,4-Dinitrotoluene	NA	ND(0.010)	NA	ND(0.010)	NA
2,6-Dichlorophenol	NA	ND(0.010)	NA	ND(0.010)	NA
2,6-Dinitrotoluene	NA	ND(0.010)	NA	ND(0.010)	NA
2-Acetylaminofluorene	NA	ND(0.010)	NA	ND(0.010)	NA
2-Chloronaphthalene	NA	ND(0.010)	NA	ND(0.010)	NA
2-Chlorophenol	NA	ND(0.010)	NA	ND(0.010)	NA
2-Methylnaphthalene	NA	ND(0.010)	NA	ND(0.010)	NA
2-Methylphenol	NA	ND(0.010)	NA	ND(0.010)	NA
2-Naphthylamine	NA	ND(0.010)	NA	ND(0.010)	NA
2-Nitroaniline	NA	ND(0.050)	NA	ND(0.050)	NA
2-Nitrophenol	NA	ND(0.010)	NA	ND(0.010)	NA
2-Picoline	NA	ND(0.010)	NA	ND(0.010)	NA
3&4-Methylphenol	NA	ND(0.010)	NA	ND(0.010)	NA
3,3'-Dichlorobenzidine	NA	ND(0.020)	NA	ND(0.020)	NA
3,3'-Dimethylbenzidine	NA	ND(0.010)	NA	ND(0.010)	NA
3-Methylcholanthrene	NA	ND(0.010)	NA	ND(0.010)	NA
3-Nitroaniline	NA	ND(0.050)	NA	ND(0.050)	NA
4,6-Dinitro-2-methylphenol	NA	ND(0.050)	NA	ND(0.050)	NA
4-Aminobiphenyl	NA	ND(0.010)	NA	ND(0.010)	NA
4-Bromophenyl-phenylether	NA	ND(0.010)	NA	ND(0.010)	NA
4-Chloro-3-Methylphenol	NA	ND(0.010)	NA	ND(0.010)	NA
4-Chloroaniline	NA	ND(0.010)	NA	ND(0.010)	NA
4-Chlorobenzilate	NA	ND(0.010)	NA	ND(0.010)	NA
4-Chlorophenol	NA	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	111A-R 04/14/05	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05	GMA3-2 04/08/05
Semivolatile Organics (continued)					
4-Chlorophenyl-phenylether	NA	ND(0.010)	NA	ND(0.010)	NA
4-Nitroaniline	NA	ND(0.050)	NA	ND(0.050)	NA
4-Nitrophenol	NA	ND(0.050)	NA	ND(0.050)	NA
4-Nitroquinoline-1-oxide	NA	ND(0.010) J	NA	ND(0.010) J	NA
4-Phenylenediamine	NA	ND(0.010)	NA	ND(0.010)	NA
5-Nitro-o-toluidine	NA	ND(0.010)	NA	ND(0.010)	NA
7,12-Dimethylbenz(a)anthracene	NA	ND(0.010)	NA	ND(0.010)	NA
a,a'-Dimethylphenethylamine	NA	ND(0.010) J	NA	ND(0.010) J	NA
Acenaphthene	NA	ND(0.010)	NA	ND(0.010)	NA
Acenaphthylene	NA	ND(0.010)	NA	ND(0.010)	NA
Acetophenone	NA	ND(0.010)	NA	ND(0.010)	NA
Aniline	NA	ND(0.010) J	NA	ND(0.010) J	NA
Anthracene	NA	ND(0.010)	NA	ND(0.010)	NA
Aramite	NA	ND(0.010)	NA	ND(0.010)	NA
Benzidine	NA	ND(0.020) J	NA	ND(0.020) J	NA
Benzo(a)anthracene	NA	ND(0.010)	NA	ND(0.010)	NA
Benzo(a)pyrene	NA	ND(0.010)	NA	ND(0.010)	NA
Benzo(b)fluoranthene	NA	ND(0.010)	NA	ND(0.010)	NA
Benzo(g,h,i)perylene	NA	ND(0.010)	NA	ND(0.010)	NA
Benzo(k)fluoranthene	NA	ND(0.010)	NA	ND(0.010)	NA
Benzyl Alcohol	NA	ND(0.020)	NA	ND(0.020)	NA
bis(2-Chloroethoxy)methane	NA	ND(0.010)	NA	ND(0.010)	NA
bis(2-Chloroethyl)ether	NA	ND(0.010)	NA	ND(0.010)	NA
bis(2-Chloroisopropyl)ether	NA	ND(0.010)	NA	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.0060)	NA	ND(0.0060)	NA
Butylbenzylphthalate	NA	ND(0.010)	NA	ND(0.010)	NA
Chrysene	NA	ND(0.010)	NA	ND(0.010)	NA
Diallate	NA	ND(0.010)	NA	ND(0.010)	NA
Dibenzo(a,h)anthracene	NA	ND(0.010)	NA	ND(0.010)	NA
Dibenzofuran	NA	ND(0.010)	NA	ND(0.010)	NA
Diethylphthalate	NA	ND(0.010)	NA	ND(0.010)	NA
Dimethylphthalate	NA	ND(0.010)	NA	ND(0.010)	NA
Di-n-Butylphthalate	NA	ND(0.010)	NA	ND(0.010)	NA
Di-n-Octylphthalate	NA	ND(0.010)	NA	ND(0.010)	NA
Diphenylamine	NA	ND(0.010)	NA	ND(0.010)	NA
Ethyl Methanesulfonate	NA	ND(0.010)	NA	ND(0.010)	NA
Fluoranthene	NA	ND(0.010)	NA	ND(0.010)	NA
Fluorene	NA	ND(0.010)	NA	ND(0.010)	NA
Hexachlorobenzene	NA	ND(0.010)	NA	ND(0.010)	NA
Hexachlorobutadiene	NA	ND(0.0010)	NA	ND(0.050)	NA
Hexachlorocyclopentadiene	NA	ND(0.010) J	NA	ND(0.010) J	NA
Hexachloroethane	NA	ND(0.010)	NA	ND(0.010)	NA
Hexachlorophene	NA	ND(0.020) J	NA	ND(0.020) J	NA
Hexachloropropene	NA	ND(0.010)	NA	ND(0.010)	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.010)	NA	ND(0.010)	NA
Isodrin	NA	ND(0.010)	NA	ND(0.010)	NA
Isophorone	NA	ND(0.010)	NA	ND(0.010)	NA
Isosafrole	NA	ND(0.010) J	NA	ND(0.010) J	NA
Methapyrilene	NA	ND(0.010) J	NA	ND(0.010) J	NA
Methyl Methanesulfonate	NA	ND(0.010)	NA	ND(0.010)	NA
Naphthalene	NA	ND(0.010)	NA	ND(0.010)	ND(0.0050)
Nitrobenzene	NA	ND(0.010)	NA	ND(0.010)	NA
N-Nitrosodiethylamine	NA	ND(0.010)	NA	ND(0.010)	NA
N-Nitrosodimethylamine	NA	ND(0.010)	NA	ND(0.010)	NA
N-Nitroso-di-n-butylamine	NA	ND(0.010)	NA	ND(0.010)	NA
N-Nitroso-di-n-propylamine	NA	ND(0.010)	NA	ND(0.010)	NA
N-Nitrosodiphenylamine	NA	ND(0.010)	NA	ND(0.010)	NA
N-Nitrosomethylethylamine	NA	ND(0.010)	NA	ND(0.010)	NA
N-Nitrosomorpholine	NA	ND(0.010)	NA	ND(0.010)	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	111A-R 04/14/05	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05	GMA3-2 04/08/05
Semivolatile Organics (continued)					
N-Nitrosopiperidine	NA	ND(0.010)	NA	ND(0.010)	NA
N-Nitrosopyrrolidine	NA	ND(0.010)	NA	ND(0.010)	NA
o,o,o-Triethylphosphorothioate	NA	ND(0.010)	NA	ND(0.010)	NA
o-Toluidine	NA	ND(0.010)	NA	ND(0.010)	NA
p-Dimethylaminoazobenzene	NA	ND(0.010)	NA	ND(0.010)	NA
Pentachlorobenzene	NA	ND(0.010)	NA	ND(0.010)	NA
Pentachloroethane	NA	ND(0.010)	NA	ND(0.010)	NA
Pentachloronitrobenzene	NA	ND(0.010)	NA	ND(0.010)	NA
Pentachlorophenol	NA	ND(0.050)	NA	ND(0.050)	NA
Phenacetin	NA	ND(0.010)	NA	ND(0.010)	NA
Phenanthrene	NA	ND(0.010)	NA	ND(0.010)	NA
Phenol	NA	ND(0.010)	NA	ND(0.010)	NA
Pronamide	NA	ND(0.010)	NA	ND(0.010)	NA
Pyrene	NA	ND(0.010)	NA	ND(0.010)	NA
Pyridine	NA	ND(0.010)	NA	ND(0.010)	NA
Safrole	NA	ND(0.010) J	NA	ND(0.010) J	NA
Thionazin	NA	ND(0.010)	NA	ND(0.010)	NA
Organochlorine Pesticides					
4,4'-DDD	NA	NA	NA	ND(0.00010)	NA
4,4'-DDE	NA	NA	NA	ND(0.00010)	NA
4,4'-DDT	NA	NA	NA	ND(0.00010)	NA
Aldrin	NA	NA	NA	ND(0.000050)	NA
Alpha-BHC	NA	NA	NA	ND(0.000050)	NA
Alpha-Chlordane	NA	NA	NA	ND(0.000050)	NA
Beta-BHC	NA	NA	NA	ND(0.000050)	NA
Delta-BHC	NA	NA	NA	ND(0.000050)	NA
Dieldrin	NA	NA	NA	ND(0.00010)	NA
Endosulfan I	NA	NA	NA	ND(0.00010)	NA
Endosulfan II	NA	NA	NA	ND(0.00010)	NA
Endosulfan Sulfate	NA	NA	NA	ND(0.00010)	NA
Endrin	NA	NA	NA	ND(0.00010)	NA
Endrin Aldehyde	NA	NA	NA	ND(0.00010)	NA
Endrin Ketone	NA	NA	NA	ND(0.00010)	NA
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.000050)	NA
Gamma-Chlordane	NA	NA	NA	ND(0.000050)	NA
Heptachlor	NA	NA	NA	ND(0.000050)	NA
Heptachlor Epoxide	NA	NA	NA	ND(0.000050)	NA
Kepone	NA	NA	NA	ND(0.050) J	NA
Methoxychlor	NA	NA	NA	ND(0.00050)	NA
Technical Chlordane	NA	NA	NA	ND(0.00050)	NA
Toxaphene	NA	NA	NA	ND(0.0010)	NA
Organophosphate Pesticides					
Dimethoate	NA	NA	NA	ND(0.050) J	NA
Disulfoton	NA	NA	NA	ND(0.010)	NA
Ethyl Parathion	NA	NA	NA	ND(0.010)	NA
Famphur	NA	NA	NA	ND(0.050)	NA
Methyl Parathion	NA	NA	NA	ND(0.010)	NA
Phorate	NA	NA	NA	ND(0.010)	NA
Sulfotep	NA	NA	NA	ND(0.010)	NA
Herbicides					
2,4,5-T	NA	NA	NA	ND(0.0020)	NA
2,4,5-TP	NA	NA	NA	ND(0.0020)	NA
2,4-D	NA	NA	NA	ND(0.010)	NA
Dinoseb	NA	NA	NA	ND(0.0010)	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	111A-R 04/14/05	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05	GMA3-2 04/08/05
Furans					
2,3,7,8-TCDF	NA	ND(0.0000000022)	NA	ND(0.0000000040)	NA
TCDFs (total)	NA	ND(0.0000000022)	NA	ND(0.0000000040)	NA
1,2,3,7,8-PeCDF	NA	ND(0.0000000039)	NA	ND(0.0000000089)	NA
2,3,4,7,8-PeCDF	NA	ND(0.0000000040)	NA	ND(0.0000000090)	NA
PeCDFs (total)	NA	ND(0.0000000040)	NA	ND(0.0000000090)	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.0000000036)	NA	ND(0.0000000077)	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.0000000029)	NA	ND(0.0000000064)	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.0000000039)	NA	ND(0.0000000085)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.0000000035)	NA	ND(0.0000000076)	NA
HxCDFs (total)	NA	ND(0.0000000039)	NA	ND(0.0000000085)	NA
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000000039)	NA	ND(0.0000000086)	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000000049)	NA	ND(0.000000011)	NA
HpCDFs (total)	NA	ND(0.0000000049)	NA	ND(0.000000011)	NA
OCDF	NA	ND(0.000000011)	NA	ND(0.000000023)	NA
Dioxins					
2,3,7,8-TCDD	NA	ND(0.0000000030)	NA	ND(0.0000000060)	NA
TCDDs (total)	NA	ND(0.0000000030)	NA	ND(0.0000000060)	NA
1,2,3,7,8-PeCDD	NA	ND(0.0000000062)	NA	ND(0.000000013)	NA
PeCDDs (total)	NA	ND(0.0000000062)	NA	ND(0.000000013)	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.0000000058)	NA	ND(0.000000013)	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.0000000045)	NA	ND(0.0000000099)	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.0000000049)	NA	ND(0.000000011)	NA
HxCDDs (total)	NA	ND(0.0000000058)	NA	ND(0.000000013)	NA
1,2,3,4,6,7,8-HpCDD	NA	ND(0.0000000076)	NA	ND(0.000000013)	NA
HpCDDs (total)	NA	ND(0.0000000076)	NA	ND(0.000000013)	NA
OCDD	NA	ND(0.0000000094)	NA	ND(0.000000022)	NA
Total TEQs (WHO TEFs)	NA	0.0000000073	NA	0.000000016	NA
Inorganics-Unfiltered					
Antimony	NA	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic	NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Barium	NA	0.0290 B	NA	0.170 B	NA
Beryllium	NA	ND(0.001)	NA	ND(0.00100)	NA
Cadmium	NA	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	NA	0.00220 B	NA	0.00460 B	NA
Cobalt	NA	ND(0.0500)	NA	ND(0.0500)	NA
Copper	NA	0.00150 B	NA	ND(0.0250)	NA
Cyanide	NA	0.00330 B	NA	0.00170 B	NA
Lead	NA	ND(0.00300)	NA	ND(0.00300)	NA
Mercury	NA	ND(0.000200)	NA	0.0000500 B	NA
Nickel	NA	ND(0.0400)	NA	0.00210 B	NA
Selenium	NA	ND(0.00500) J	NA	ND(0.00500) J	NA
Silver	NA	ND(0.00500)	NA	ND(0.00500)	NA
Sulfide	NA	ND(5.0)	NA	ND(5.00)	NA
Thallium	NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Tin	NA	ND(0.0300)	NA	ND(0.0300)	NA
Vanadium	NA	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	NA	ND(0.0200) J	NA	ND(0.0200) J	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	111A-R 04/14/05	111B-R 04/21/05	114A 04/21/05	114B-R 04/21/05	GMA3-2 04/08/05
Inorganics-Filtered					
Antimony	NA	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic	NA	ND(0.0100)	NA	ND(0.0100)	NA
Barium	NA	0.0280 B	NA	0.170 B	NA
Beryllium	NA	0.000340 B	NA	ND(0.00100)	NA
Cadmium	NA	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	NA	0.00120 B	NA	0.00120 B	NA
Cobalt	NA	ND(0.0500)	NA	ND(0.0500)	NA
Copper	NA	ND(0.0250)	NA	ND(0.0250)	NA
Cyanide	NA	0.00190 B	NA	ND(0.0100)	NA
Lead	NA	0.00460	NA	ND(0.00300)	NA
Mercury	NA	ND(0.000200)	NA	ND(0.000200)	NA
Nickel	NA	ND(0.0400)	NA	ND(0.0400)	NA
Selenium	NA	ND(0.00500)	NA	ND(0.00500)	NA
Silver	NA	ND(0.00500)	NA	ND(0.00500)	NA
Thallium	NA	ND(0.0100)	NA	ND(0.0100)	NA
Tin	NA	ND(0.0300)	NA	ND(0.0300)	NA
Vanadium	NA	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	NA	ND(0.0200)	NA	ND(0.0200)	NA
Natural Attenuation Parameters					
Alkalinity (Total)	120	180	130	250	NA
Chloride	110	13	1.5	87	NA
Dissolved Iron	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Dissolved Organic Carbon	ND(1.4)	1.90	0.510 B	2.50	NA
Ethane	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	NA
Ethene	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	NA
Methane	ND(0.00200)	ND(0.00200)	0.100	0.170	NA
Nitrate Nitrogen	0.00810 B	5.90	0.0260 B	0.0810	NA
Nitrite Nitrogen	ND(0.0500)	0.0240 B	0.00470 B	0.00470 B	NA
Sulfate (turbidimetric)	54.0	250 J	1.20 J	5.50 J	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-3 04/13/05	GMA3-4 04/12/05	GMA3-5 04/13/05	GMA3-6 04/12/05
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J [ND(0.20) J]	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acetone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	0.0031 J
Acetonitrile	ND(0.10) J	ND(0.10) J [ND(0.10) J]	ND(0.10) J	ND(0.10) J
Acrolein	ND(0.10) J	ND(0.10) J [ND(0.10) J]	ND(0.10) J	ND(0.10) J
Acrylonitrile	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzene	0.00094 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	0.0095	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0018 J
Chloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10) J	ND(0.10) J [ND(0.10) J]	ND(0.10) J	ND(0.10) J
Methacrylonitrile	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.011
Propionitrile	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Styrene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Toluene	ND(0.0050)	0.0021 J [0.0042 J]	0.00087 J	0.0026 J
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.0024 J	ND(0.0050)
Vinyl Acetate	ND(0.0050)	ND(0.0050) J [ND(0.0050) J]	ND(0.0050)	ND(0.0050) J
Vinyl Chloride	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Total VOCs	0.010 J	0.0021 J [0.0042 J]	0.0033 J	0.019 J

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-3 04/13/05	GMA3-4 04/12/05	GMA3-5 04/13/05	GMA3-6 04/12/05
PCBs-Unfiltered				
Aroclor-1016	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1221	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1232	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1242	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	0.00052	NA	ND(0.000065)	ND(0.000065)
Aroclor-1260	0.000097	NA	ND(0.000065)	ND(0.000065)
Total PCBs	0.000617	NA	ND(0.000065)	ND(0.000065)
PCBs-Filtered				
Aroclor-1016	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1221	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1232	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1242	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	0.00013	NA	ND(0.000065)	ND(0.000065)
Aroclor-1260	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Total PCBs	0.00013	NA	ND(0.000065)	ND(0.000065)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)	0.0035 J
1,4-Naphthoquinone	ND(0.010) J	NA	ND(0.010) J	ND(0.010)
1-Naphthylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,3,4,6-Tetrachlorophenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050)	NA	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Acetylaminofluorene	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Chloronaphthalene	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Naphthylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Nitroaniline	ND(0.050)	NA	ND(0.050)	ND(0.050)
2-Nitrophenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010)	NA	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
3,3'-Dichlorobenzidine	ND(0.020)	NA	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.010)	NA	ND(0.010)	ND(0.010)
3-Methylcholanthrene	ND(0.010)	NA	ND(0.010)	ND(0.010)
3-Nitroaniline	ND(0.050)	NA	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chlorobenzilate	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chlorophenol	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-3 04/13/05	GMA3-4 04/12/05	GMA3-5 04/13/05	GMA3-6 04/12/05
Semivolatile Organics (continued)				
4-Chlorophenyl-phenylether	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Nitroaniline	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Nitroquinoline-1-oxide	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
4-Phenylenediamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
5-Nitro-o-toluidine	ND(0.010)	NA	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	NA	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Acenaphthene	0.0023 J	NA	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Acetophenone	ND(0.010)	NA	ND(0.010)	ND(0.010)
Aniline	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Anthracene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Aramite	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzidine	ND(0.020) J	NA	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzyl Alcohol	ND(0.020)	NA	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010)	NA	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010)	NA	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010)	NA	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	NA	ND(0.0060)	ND(0.0060)
Butylbenzylphthalate	ND(0.010)	NA	ND(0.010)	ND(0.010)
Chrysene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diallate	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	NA	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	ND(0.010)	NA	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diphenylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	NA	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorobenzene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorobutadiene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Hexachloroethane	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.020) J	NA	ND(0.020) J	ND(0.020) J
Hexachloropropene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isodrin	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isophorone	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Methapyrilene	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Methyl Methanesulfonate	ND(0.010)	NA	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosomorpholine	ND(0.010)	NA	ND(0.010)	ND(0.010)

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-3 04/13/05	GMA3-4 04/12/05	GMA3-5 04/13/05	GMA3-6 04/12/05
Semivolatile Organics (continued)				
N-Nitrosopiperidine	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	NA	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010)	NA	ND(0.010)	ND(0.010)
o-Toluidine	ND(0.010)	NA	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachlorobenzene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachloroethane	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	NA	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010)	NA	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pronamide	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pyrene	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pyridine	ND(0.010)	NA	ND(0.010)	ND(0.010)
Safrole	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Thionazin	ND(0.010)	NA	ND(0.010)	ND(0.010)
Organochlorine Pesticides				
4,4'-DDD	ND(0.00010)	NA	NA	NA
4,4'-DDE	ND(0.00010)	NA	NA	NA
4,4'-DDT	ND(0.00010)	NA	NA	NA
Aldrin	ND(0.000050)	NA	NA	NA
Alpha-BHC	ND(0.000050)	NA	NA	NA
Alpha-Chlordane	ND(0.000050)	NA	NA	NA
Beta-BHC	ND(0.000050)	NA	NA	NA
Delta-BHC	ND(0.000050)	NA	NA	NA
Dieldrin	ND(0.00010)	NA	NA	NA
Endosulfan I	ND(0.00010)	NA	NA	NA
Endosulfan II	ND(0.00010)	NA	NA	NA
Endosulfan Sulfate	ND(0.00010)	NA	NA	NA
Endrin	ND(0.00010)	NA	NA	NA
Endrin Aldehyde	ND(0.00010)	NA	NA	NA
Endrin Ketone	ND(0.00010)	NA	NA	NA
Gamma-BHC (Lindane)	ND(0.000050)	NA	NA	NA
Gamma-Chlordane	ND(0.000050)	NA	NA	NA
Heptachlor	ND(0.000050)	NA	NA	NA
Heptachlor Epoxide	ND(0.000050)	NA	NA	NA
Kepone	ND(0.050) J	NA	NA	NA
Methoxychlor	ND(0.00050)	NA	NA	NA
Technical Chlordane	ND(0.00050)	NA	NA	NA
Toxaphene	ND(0.0010)	NA	NA	NA
Organophosphate Pesticides				
Dimethoate	ND(0.050) J	NA	NA	NA
Disulfoton	ND(0.010)	NA	NA	NA
Ethyl Parathion	ND(0.010)	NA	NA	NA
Famphur	ND(0.050)	NA	NA	NA
Methyl Parathion	ND(0.010)	NA	NA	NA
Phorate	ND(0.010)	NA	NA	NA
Sulfotep	ND(0.010)	NA	NA	NA
Herbicides				
2,4,5-T	ND(0.0020)	NA	NA	NA
2,4,5-TP	ND(0.0020)	NA	NA	NA
2,4-D	ND(0.010)	NA	NA	NA
Dinoseb	ND(0.0010)	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-3 04/13/05	GMA3-4 04/12/05	GMA3-5 04/13/05	GMA3-6 04/12/05
Furans				
2,3,7,8-TCDF	ND(0.0000000078)	NA	ND(0.0000000023)	ND(0.0000000047)
TCDFs (total)	ND(0.0000000078)	NA	ND(0.0000000023)	ND(0.0000000047)
1,2,3,7,8-PeCDF	ND(0.000000011)	NA	ND(0.0000000034)	ND(0.000000016)
2,3,4,7,8-PeCDF	ND(0.000000011)	NA	ND(0.0000000035)	ND(0.000000016)
PeCDFs (total)	ND(0.000000011)	NA	ND(0.0000000035)	ND(0.000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000086)	NA	ND(0.0000000025)	ND(0.000000012)
1,2,3,6,7,8-HxCDF	ND(0.0000000070)	NA	ND(0.0000000021)	ND(0.0000000097)
1,2,3,7,8,9-HxCDF	ND(0.0000000094)	NA	ND(0.0000000028)	ND(0.000000013)
2,3,4,6,7,8-HxCDF	ND(0.0000000084)	NA	ND(0.0000000025)	ND(0.000000012)
HxCDFs (total)	ND(0.0000000094)	NA	ND(0.0000000028)	ND(0.000000013)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000064)	NA	ND(0.0000000054)	ND(0.0000000090)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000081)	NA	ND(0.0000000068)	ND(0.000000011)
HpCDFs (total)	ND(0.0000000081)	NA	ND(0.0000000068)	ND(0.000000011)
OCDF	ND(0.000000017)	NA	ND(0.0000000041)	ND(0.000000020)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000089)	NA	ND(0.0000000026)	ND(0.0000000064)
TCDDs (total)	ND(0.0000000089)	NA	ND(0.0000000026)	ND(0.0000000064)
1,2,3,7,8-PeCDD	ND(0.000000015)	NA	ND(0.0000000048)	ND(0.000000021)
PeCDDs (total)	ND(0.000000015)	NA	ND(0.0000000048)	ND(0.000000021)
1,2,3,4,7,8-HxCDD	ND(0.000000013)	NA	ND(0.0000000043)	ND(0.000000017)
1,2,3,6,7,8-HxCDD	ND(0.000000010)	NA	ND(0.0000000033)	ND(0.000000013)
1,2,3,7,8,9-HxCDD	ND(0.000000011)	NA	ND(0.0000000036)	ND(0.000000014)
HxCDDs (total)	ND(0.000000013)	NA	ND(0.0000000043)	ND(0.000000017)
1,2,3,4,6,7,8-HpCDD	ND(0.000000012)	NA	ND(0.0000000035)	ND(0.000000015)
HpCDDs (total)	ND(0.000000012)	NA	ND(0.0000000035)	ND(0.000000015)
OCDD	ND(0.000000019)	NA	ND(0.0000000072)	ND(0.000000018)
Total TEQs (WHO TEFs)	0.000000019	NA	0.0000000059	0.000000023
Inorganics-Unfiltered				
Antimony	ND(0.0600)	NA	ND(0.0600)	ND(0.0600)
Arsenic	0.00420 B	NA	ND(0.0100)	ND(0.0100)
Barium	0.100 B	NA	0.0270 B	0.180 B
Beryllium	ND(0.00100)	NA	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	NA	0.000720 B	ND(0.00500)
Chromium	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500)	NA	0.00770 B	ND(0.0500)
Copper	0.00170 B	NA	0.00150 B	ND(0.0250)
Cyanide	0.00530 B	NA	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300) J	NA	ND(0.00300) J	0.00180 J
Mercury	ND(0.000200)	NA	ND(0.000200)	ND(0.000200)
Nickel	0.00680 B	NA	0.00270 B	ND(0.0400)
Selenium	ND(0.00500) J	NA	0.00540 J	ND(0.00500)
Silver	ND(0.005)	NA	ND(0.005)	ND(0.005)
Sulfide	ND(5.0)	NA	ND(5.0)	ND(5.0)
Thallium	ND(0.0100)	NA	ND(0.0100)	ND(0.0100) J
Tin	ND(0.0300)	NA	ND(0.0300)	ND(0.0300)
Vanadium	0.00220 B	NA	0.00280 B	ND(0.0500)
Zinc	ND(0.020)	NA	ND(0.020)	ND(0.0200) J

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-3 04/13/05	GMA3-4 04/12/05	GMA3-5 04/13/05	GMA3-6 04/12/05
Inorganics-Filtered				
Antimony	ND(0.0600)	NA	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Barium	0.100 B	NA	0.0300 B	0.160 B
Beryllium	ND(0.00100)	NA	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Cobalt	0.00140 B	NA	0.00950 B	ND(0.0500)
Copper	0.00200 B	NA	0.00190 B	ND(0.0250)
Cyanide	0.00490 B	NA	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300)	NA	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	NA	ND(0.000200)	ND(0.000200)
Nickel	0.00590 B	NA	0.00260 B	ND(0.0400)
Selenium	ND(0.00500)	NA	0.00540	ND(0.00500)
Silver	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Tin	ND(0.0300)	NA	ND(0.0300)	ND(0.0300)
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc	0.0100 B	NA	0.00360 B	ND(0.0200)
Natural Attenuation Parameters				
Alkalinity (Total)	NA	NA	NA	NA
Chloride	NA	NA	NA	NA
Dissolved Iron	NA	NA	NA	NA
Dissolved Organic Carbon	NA	NA	NA	NA
Ethane	NA	NA	NA	NA
Ethene	NA	NA	NA	NA
Methane	NA	NA	NA	NA
Nitrate Nitrogen	NA	NA	NA	NA
Nitrite Nitrogen	NA	NA	NA	NA
Sulfate (turbidimetric)	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	ND(0.010) J	ND(0.010) J	0.0037 J	ND(0.010)
Acetonitrile	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrolein	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050) J	ND(0.0050) J	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Methacrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Styrene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Toluene	ND(0.0050)	ND(0.0050)	0.0013 J	0.00051 J
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050) J	ND(0.0050) J	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	ND(0.20)	ND(0.20)	0.0050 J	0.00051 J

TABLE D-1
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BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
PCBs-Unfiltered				
Aroclor-1016	ND(0.000065)	NA	NA	NA
Aroclor-1221	ND(0.000065)	NA	NA	NA
Aroclor-1232	ND(0.000065)	NA	NA	NA
Aroclor-1242	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000065)	NA	NA	NA
Aroclor-1254	0.00011	NA	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA	NA
Total PCBs	0.00011	NA	NA	NA
PCBs-Filtered				
Aroclor-1016	ND(0.000065)	NA	NA	NA
Aroclor-1221	ND(0.000065)	NA	NA	NA
Aroclor-1232	ND(0.000065)	NA	NA	NA
Aroclor-1242	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000065)	NA	NA	NA
Aroclor-1254	0.000041 J	NA	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA	NA
Total PCBs	0.000041 J	NA	NA	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Diphenylhydrazine	ND(0.010)	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.010)	NA	NA	NA
1,3-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,3-Dinitrobenzene	ND(0.010)	NA	NA	NA
1,4-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Naphthoquinone	ND(0.010)	NA	NA	NA
1-Naphthylamine	ND(0.010)	NA	NA	NA
2,3,4,6-Tetrachlorophenol	ND(0.010)	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.010)	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.010)	NA	NA	NA
2,4-Dichlorophenol	ND(0.010)	NA	NA	NA
2,4-Dimethylphenol	ND(0.010)	NA	NA	NA
2,4-Dinitrophenol	ND(0.050)	NA	NA	NA
2,4-Dinitrotoluene	ND(0.010)	NA	NA	NA
2,6-Dichlorophenol	ND(0.010)	NA	NA	NA
2,6-Dinitrotoluene	ND(0.010)	NA	NA	NA
2-Acetylaminofluorene	ND(0.010)	NA	NA	NA
2-Chloronaphthalene	ND(0.010)	NA	NA	NA
2-Chlorophenol	ND(0.010)	NA	NA	NA
2-Methylnaphthalene	ND(0.010)	NA	NA	NA
2-Methylphenol	ND(0.010)	NA	NA	NA
2-Naphthylamine	ND(0.010)	NA	NA	NA
2-Nitroaniline	ND(0.050)	NA	NA	NA
2-Nitrophenol	ND(0.010)	NA	NA	NA
2-Picoline	ND(0.010)	NA	NA	NA
3&4-Methylphenol	ND(0.010)	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.020)	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.010)	NA	NA	NA
3-Methylcholanthrene	ND(0.010)	NA	NA	NA
3-Nitroaniline	ND(0.050)	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.050)	NA	NA	NA
4-Aminobiphenyl	ND(0.010)	NA	NA	NA
4-Bromophenyl-phenylether	ND(0.010)	NA	NA	NA
4-Chloro-3-Methylphenol	ND(0.010)	NA	NA	NA
4-Chloroaniline	ND(0.010)	NA	NA	NA
4-Chlorobenzilate	ND(0.010)	NA	NA	NA
4-Chlorophenol	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
Semivolatile Organics (continued)				
4-Chlorophenyl-phenylether	ND(0.010)	NA	NA	NA
4-Nitroaniline	ND(0.050)	NA	NA	NA
4-Nitrophenol	ND(0.050)	NA	NA	NA
4-Nitroquinoline-1-oxide	ND(0.010) J	NA	NA	NA
4-Phenylenediamine	ND(0.010)	NA	NA	NA
5-Nitro-o-toluidine	ND(0.010)	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	ND(0.010)	NA	NA	NA
a,a'-Dimethylphenethylamine	ND(0.010) J	NA	NA	NA
Acenaphthene	ND(0.010)	NA	NA	NA
Acenaphthylene	ND(0.010)	NA	NA	NA
Acetophenone	ND(0.010)	NA	NA	NA
Aniline	ND(0.010) J	NA	NA	NA
Anthracene	ND(0.010)	NA	NA	NA
Aramite	ND(0.010)	NA	NA	NA
Benzidine	ND(0.020) J	NA	NA	NA
Benzo(a)anthracene	ND(0.010)	NA	NA	NA
Benzo(a)pyrene	ND(0.010)	NA	NA	NA
Benzo(b)fluoranthene	ND(0.010)	NA	NA	NA
Benzo(g,h,i)perylene	ND(0.010)	NA	NA	NA
Benzo(k)fluoranthene	ND(0.010)	NA	NA	NA
Benzyl Alcohol	ND(0.020)	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.010)	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.010)	NA	NA	NA
bis(2-Chloroisopropyl)ether	ND(0.010)	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.0060)	NA	NA	NA
Butylbenzylphthalate	ND(0.010)	NA	NA	NA
Chrysene	ND(0.010)	NA	NA	NA
Diallate	ND(0.010)	NA	NA	NA
Dibenzo(a,h)anthracene	ND(0.010)	NA	NA	NA
Dibenzofuran	ND(0.010)	NA	NA	NA
Diethylphthalate	ND(0.010)	NA	NA	NA
Dimethylphthalate	ND(0.010)	NA	NA	NA
Di-n-Butylphthalate	ND(0.010)	NA	NA	NA
Di-n-Octylphthalate	ND(0.010)	NA	NA	NA
Diphenylamine	ND(0.010)	NA	NA	NA
Ethyl Methanesulfonate	ND(0.010)	NA	NA	NA
Fluoranthene	ND(0.010)	NA	NA	NA
Fluorene	ND(0.010)	NA	NA	NA
Hexachlorobenzene	ND(0.010)	NA	NA	NA
Hexachlorobutadiene	ND(0.0010)	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.010) J	NA	NA	NA
Hexachloroethane	ND(0.010)	NA	NA	NA
Hexachlorophene	ND(0.020) J	NA	NA	NA
Hexachloropropene	ND(0.010)	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.010)	NA	NA	NA
Isodrin	ND(0.010)	NA	NA	NA
Isophorone	ND(0.010) J	NA	NA	NA
Isosafrole	ND(0.010) J	NA	NA	NA
Methapyrilene	ND(0.010) J	NA	NA	NA
Methyl Methanesulfonate	ND(0.010)	NA	NA	NA
Naphthalene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Nitrobenzene	ND(0.010)	NA	NA	NA
N-Nitrosodiethylamine	ND(0.010)	NA	NA	NA
N-Nitrosodimethylamine	ND(0.010)	NA	NA	NA
N-Nitroso-di-n-butylamine	ND(0.010)	NA	NA	NA
N-Nitroso-di-n-propylamine	ND(0.010)	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.010)	NA	NA	NA
N-Nitrosomethylethylamine	ND(0.010)	NA	NA	NA
N-Nitrosomorpholine	ND(0.010)	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
Semivolatile Organics (continued)				
N-Nitrosopiperidine	ND(0.010)	NA	NA	NA
N-Nitrosopyrrolidine	ND(0.010)	NA	NA	NA
o,o,o-Triethylphosphorothioate	ND(0.010)	NA	NA	NA
o-Toluidine	ND(0.010)	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.010)	NA	NA	NA
Pentachlorobenzene	ND(0.010)	NA	NA	NA
Pentachloroethane	ND(0.010)	NA	NA	NA
Pentachloronitrobenzene	ND(0.010)	NA	NA	NA
Pentachlorophenol	ND(0.050)	NA	NA	NA
Phenacetin	ND(0.010)	NA	NA	NA
Phenanthrene	ND(0.010)	NA	NA	NA
Phenol	ND(0.010)	NA	NA	NA
Pronamide	ND(0.010)	NA	NA	NA
Pyrene	ND(0.010)	NA	NA	NA
Pyridine	ND(0.010)	NA	NA	NA
Safrole	ND(0.010) J	NA	NA	NA
Thionazin	ND(0.010)	NA	NA	NA
Organochlorine Pesticides				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA
Endrin	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA
Kepone	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA
Organophosphate Pesticides				
Dimethoate	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA
Famphur	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA
Phorate	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA
Herbicides				
2,4,5-T	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
Furans				
2,3,7,8-TCDF	ND(0.0000000014)	NA	NA	NA
TCDFs (total)	ND(0.0000000014)	NA	NA	NA
1,2,3,7,8-PeCDF	ND(0.0000000032)	NA	NA	NA
2,3,4,7,8-PeCDF	ND(0.0000000033)	NA	NA	NA
PeCDFs (total)	ND(0.0000000033)	NA	NA	NA
1,2,3,4,7,8-HxCDF	ND(0.0000000032)	NA	NA	NA
1,2,3,6,7,8-HxCDF	ND(0.0000000027)	NA	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.0000000036)	NA	NA	NA
2,3,4,6,7,8-HxCDF	ND(0.0000000032)	NA	NA	NA
HxCDFs (total)	ND(0.0000000036)	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	ND(0.0000000029)	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000000035)	NA	NA	NA
HpCDFs (total)	ND(0.0000000035)	NA	NA	NA
OCDF	ND(0.0000000074)	NA	NA	NA
Dioxins				
2,3,7,8-TCDD	ND(0.0000000020)	NA	NA	NA
TCDDs (total)	ND(0.0000000020)	NA	NA	NA
1,2,3,7,8-PeCDD	ND(0.0000000053)	NA	NA	NA
PeCDDs (total)	ND(0.0000000053)	NA	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.0000000051)	NA	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.0000000041)	NA	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000000045)	NA	NA	NA
HxCDDs (total)	ND(0.0000000054)	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	ND(0.0000000046)	NA	NA	NA
HpCDDs (total)	ND(0.0000000046)	NA	NA	NA
OCDD	ND(0.0000000096)	NA	NA	NA
Total TEQs (WHO TEFs)	0.0000000060	NA	NA	NA
Inorganics-Unfiltered				
Antimony	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.0100)	NA	NA	NA
Barium	0.0870 B	NA	NA	NA
Beryllium	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0100)	NA	NA	NA
Cobalt	ND(0.0500)	NA	NA	NA
Copper	ND(0.0250)	NA	NA	NA
Cyanide	0.00240 B	NA	NA	NA
Lead	ND(0.00300) J	NA	NA	NA
Mercury	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00500)	NA	NA	NA
Silver	ND(0.0050)	NA	NA	NA
Sulfide	3.20 B	NA	NA	NA
Thallium	ND(0.0100) J	NA	NA	NA
Tin	ND(0.0300)	NA	NA	NA
Vanadium	ND(0.0500)	NA	NA	NA
Zinc	ND(0.020)	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 04/11/05	GMA3-8 04/11/05	GMA3-9 04/12/05	OBG-2 04/14/05
Inorganics-Filtered				
Antimony	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.0100)	NA	NA	NA
Barium	0.0920 B	NA	NA	NA
Beryllium	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0100)	NA	NA	NA
Cobalt	ND(0.0500)	NA	NA	NA
Copper	ND(0.0250)	NA	NA	NA
Cyanide	0.00190 B	NA	NA	NA
Lead	ND(0.00300)	NA	NA	NA
Mercury	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00500)	NA	NA	NA
Silver	0.00100 B	NA	NA	NA
Thallium	ND(0.0100)	NA	NA	NA
Tin	ND(0.0300)	NA	NA	NA
Vanadium	0.00240 B	NA	NA	NA
Zinc	0.00320 B	NA	NA	NA
Natural Attenuation Parameters				
Alkalinity (Total)	NA	NA	NA	NA
Chloride	NA	NA	NA	NA
Dissolved Iron	NA	NA	NA	NA
Dissolved Organic Carbon	NA	NA	NA	NA
Ethane	NA	NA	NA	NA
Ethene	NA	NA	NA	NA
Methane	NA	NA	NA	NA
Nitrate Nitrogen	NA	NA	NA	NA
Nitrite Nitrogen	NA	NA	NA	NA
Sulfate (turbidimetric)	NA	NA	NA	NA

TABLE D-1
SPRING 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, Appendix IX+3 constituents and Natural Attenuation Parameters.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, pesticides, herbicides, dioxin/furans)

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

Inorganics and Natural Attenuation Parameters

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 D-2
NAPL ANALYTICAL RESULTS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	51-8 05/19/05	GMA3-10 05/12/05	UB-PZ-3 05/12/05
Volatile Organics			
1,1,1,2-Tetrachloroethane	ND(5.6)	ND(0.025)	ND(0.31)
1,1,1-Trichloroethane	ND(5.6)	ND(0.025)	ND(0.31)
1,1,2,2-Tetrachloroethane	ND(5.6)	ND(0.025)	ND(0.31)
1,1,2-Trichloroethane	ND(5.6)	ND(0.025)	ND(0.31)
1,1-Dichloroethane	ND(5.6)	ND(0.025)	ND(0.31)
1,1-Dichloroethene	ND(5.6)	ND(0.025)	ND(0.31)
1,2,3-Trichloropropane	ND(5.6)	ND(0.025)	ND(0.31)
1,2-Dibromo-3-chloropropane	ND(5.6)	ND(0.025)	ND(0.31)
1,2-Dibromoethane	ND(5.6)	ND(0.025)	ND(0.31)
1,2-Dichloroethane	ND(5.6)	ND(0.025)	ND(0.31)
1,2-Dichloropropane	ND(5.6)	ND(0.025)	ND(0.31)
1,4-Dioxane	ND(12)	ND(1.0)	ND(12)
2-Butanone	ND(5.6)	ND(0.50)	ND(6.2)
2-Chloro-1,3-butadiene	ND(5.6)	ND(0.025)	ND(0.31)
2-Chloroethylvinylether	ND(5.6)	ND(0.025)	ND(0.31)
2-Hexanone	ND(5.6)	ND(0.050)	ND(0.62)
3-Chloropropene	ND(5.6)	ND(0.050)	ND(0.62)
4-Methyl-2-pentanone	ND(5.6)	ND(0.050)	ND(0.62)
Acetone	ND(5.6)	ND(0.50)	ND(6.2)
Acetonitrile	ND(6.2)	ND(0.50)	ND(6.2)
Acrolein	ND(6.2)	ND(0.50)	ND(6.2)
Acrylonitrile	ND(5.6)	ND(0.050)	ND(0.62)
Benzene	ND(5.6)	ND(0.025)	ND(0.31)
Bromodichloromethane	ND(5.6)	ND(0.025)	ND(0.31)
Bromoform	ND(5.6)	ND(0.025)	ND(0.31)
Bromomethane	ND(5.6)	ND(0.050)	ND(0.62)
Carbon Disulfide	ND(5.6)	ND(0.050)	ND(0.62)
Carbon Tetrachloride	ND(5.6)	ND(0.025)	ND(0.31)
Chlorobenzene	ND(5.6)	ND(0.025)	ND(0.31)
Chloroethane	ND(5.6)	ND(0.050)	ND(0.62)
Chloroform	ND(5.6)	ND(0.025)	ND(0.31)
Chloromethane	ND(5.6)	ND(0.050)	ND(0.62)
cis-1,3-Dichloropropene	ND(5.6)	ND(0.025)	ND(0.31)
Dibromochloromethane	ND(5.6)	ND(0.025)	ND(0.31)
Dibromomethane	ND(5.6)	ND(0.025)	ND(0.31)
Dichlorodifluoromethane	ND(5.6)	ND(0.050)	ND(0.62)
Ethyl Methacrylate	ND(5.6)	ND(0.050)	ND(0.62)
Ethylbenzene	ND(5.6)	0.0064 J	ND(0.31)
Iodomethane	ND(5.6)	0.0058 J	ND(0.31)
Isobutanol	ND(6.2)	ND(1.0)	ND(12)
Methacrylonitrile	ND(5.6)	ND(0.050)	ND(0.62)
Methyl Methacrylate	ND(5.6)	ND(0.050)	ND(0.62)
Methylene Chloride	ND(5.6)	ND(0.025)	ND(0.31)
Propionitrile	ND(5.6)	ND(0.25)	ND(3.1)
Styrene	ND(5.6)	ND(0.025)	ND(0.31)
Tetrachloroethene	ND(5.6)	ND(0.025)	ND(0.31)
Toluene	ND(5.6)	0.0086 J	ND(0.31)
trans-1,2-Dichloroethene	ND(5.6)	ND(0.025)	ND(0.31)
trans-1,3-Dichloropropene	ND(5.6)	ND(0.025)	ND(0.31)
trans-1,4-Dichloro-2-butene	ND(5.6)	ND(0.050)	ND(0.62)
Trichloroethene	6.1	ND(0.025)	ND(0.31)
Trichlorofluoromethane	ND(5.6)	ND(0.025)	ND(0.31)
Vinyl Acetate	ND(5.6)	ND(0.050)	ND(0.62)
Vinyl Chloride	ND(5.6)	ND(0.050)	ND(0.62)
Xylenes (total)	ND(5.6)	0.051	0.049 J

TABLE D-2
NAPL ANALYTICAL RESULTS
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	51-8 05/19/05	GMA3-10 05/12/05	UB-PZ-3 05/12/05
Semivolatile Organics			
1,2,4-Trichlorobenzene	17	NA	NA
1,2-Dichlorobenzene	ND(5.6)	NA	NA
1,3-Dichlorobenzene	ND(5.6)	NA	NA
1,4-Dichlorobenzene	ND(5.6)	NA	NA
Naphthalene	3.8 J	NA	NA

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and Naphthalene.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

Organics (volatiles, semivolatiles)

J - Indicates an estimated value less than the practical quantitation limit (PQL).

Appendix E

Historical Groundwater Data

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Historical Groundwater Data

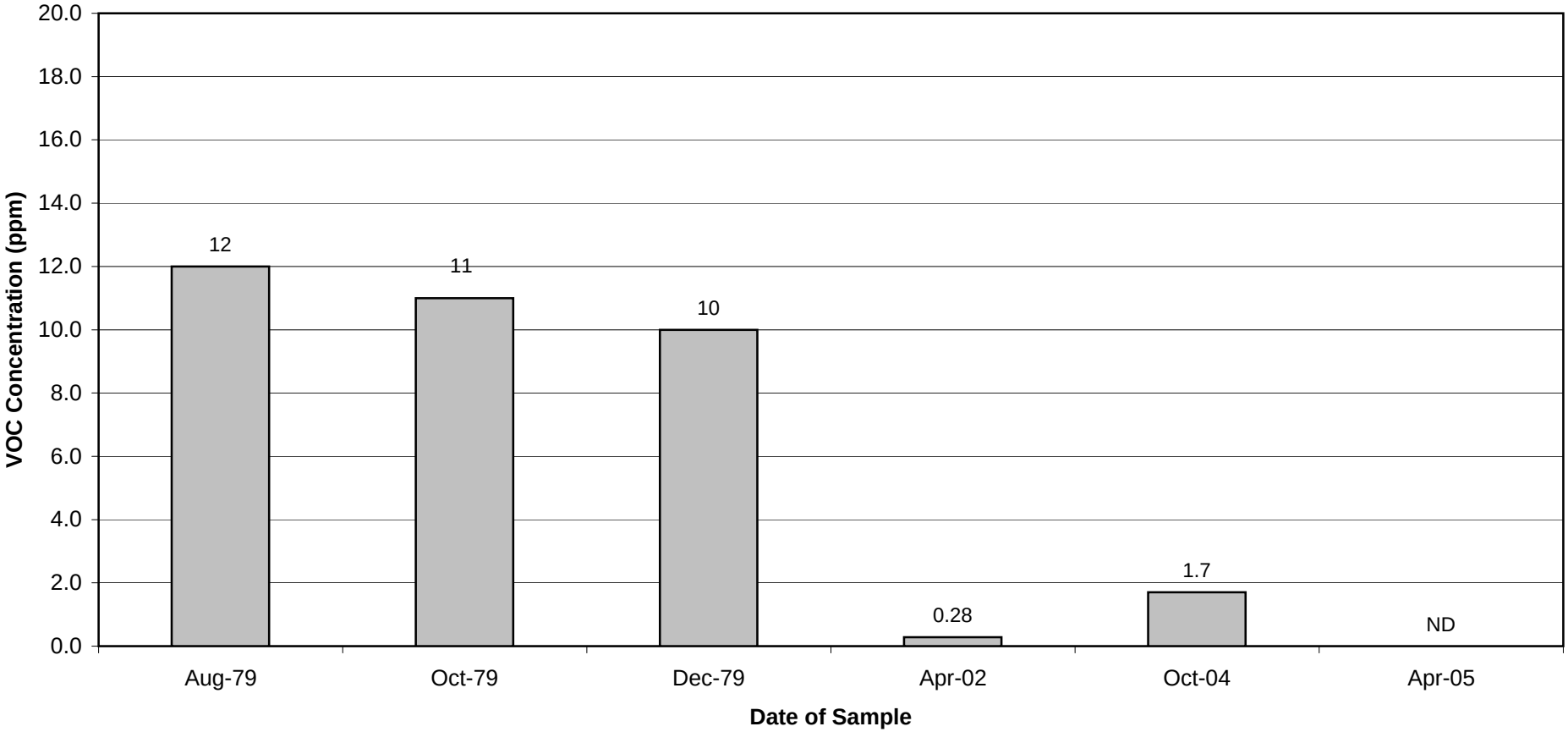
Total VOC Concentrations – Wells Sampled in Spring 2005

BBL
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

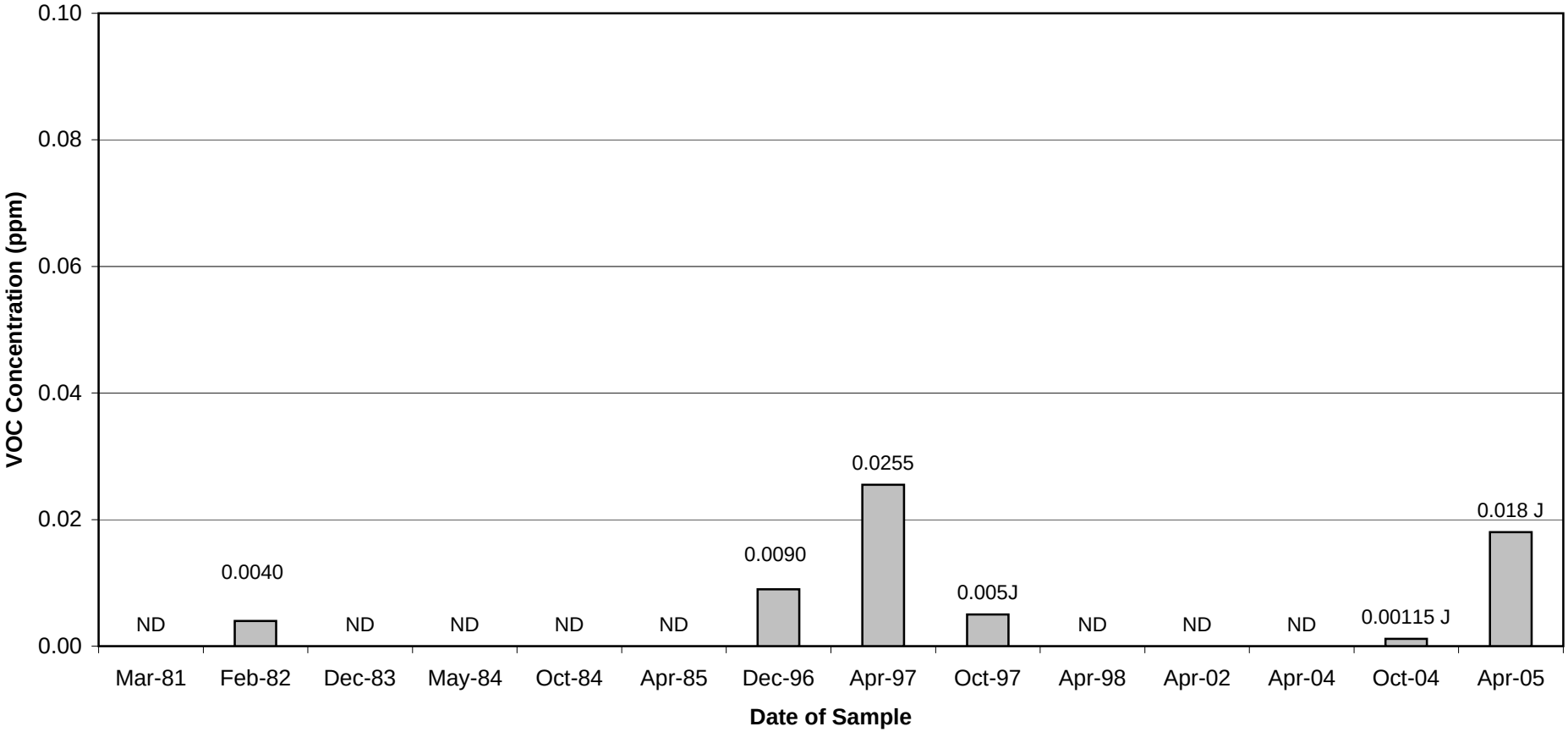
Well 6B/6B-R Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

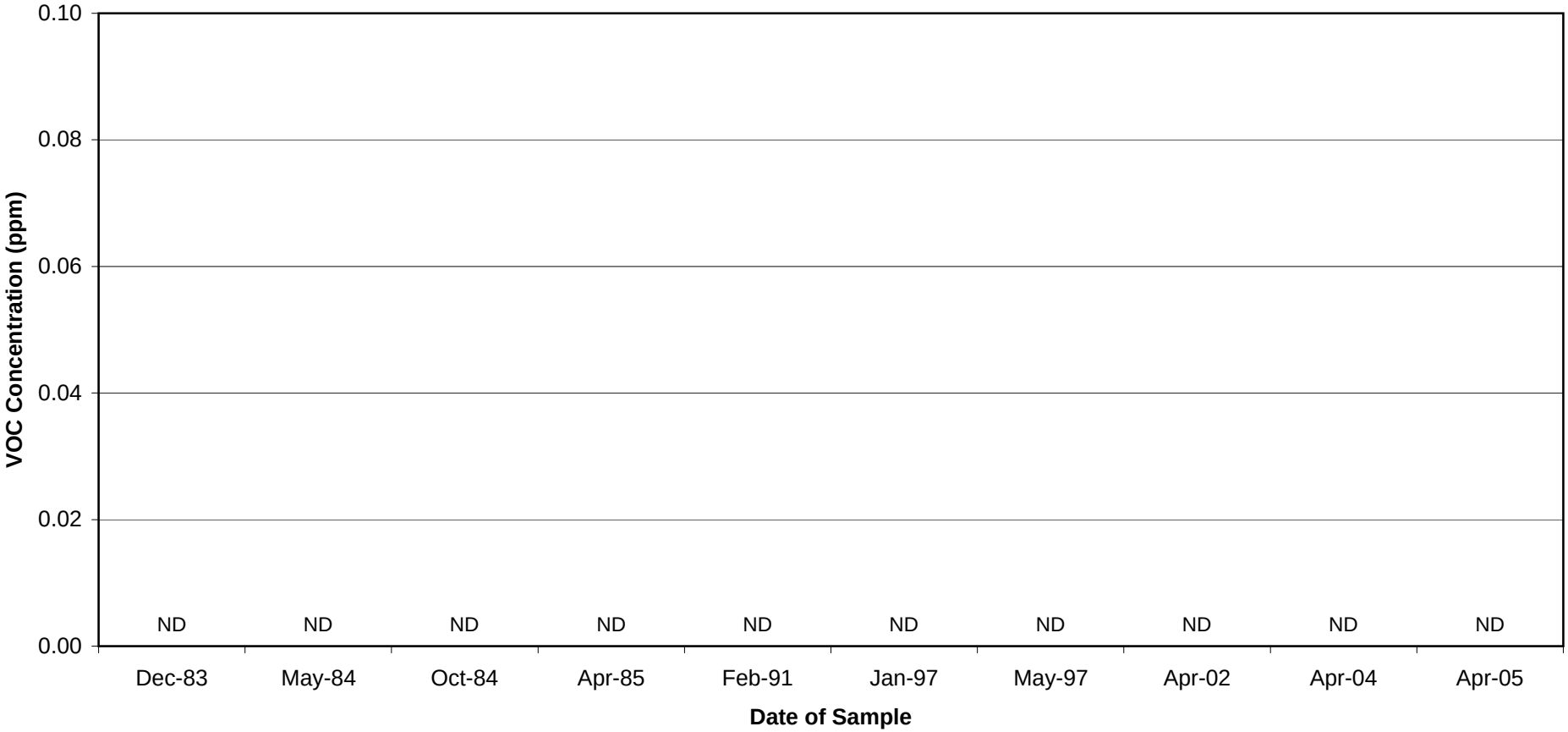
Well 16B/16B-R Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric - Pittsfield, Massachusetts

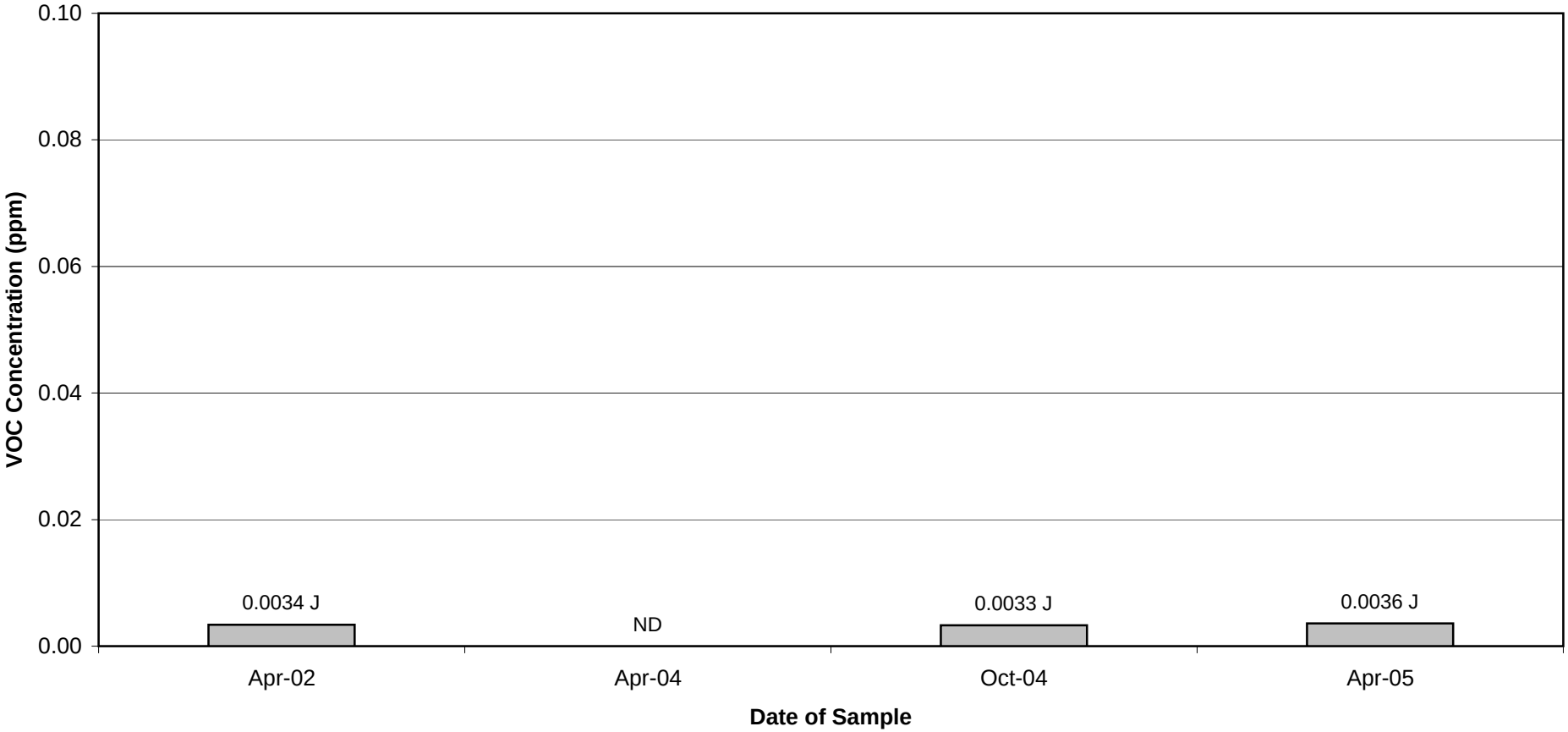
Well 43B Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

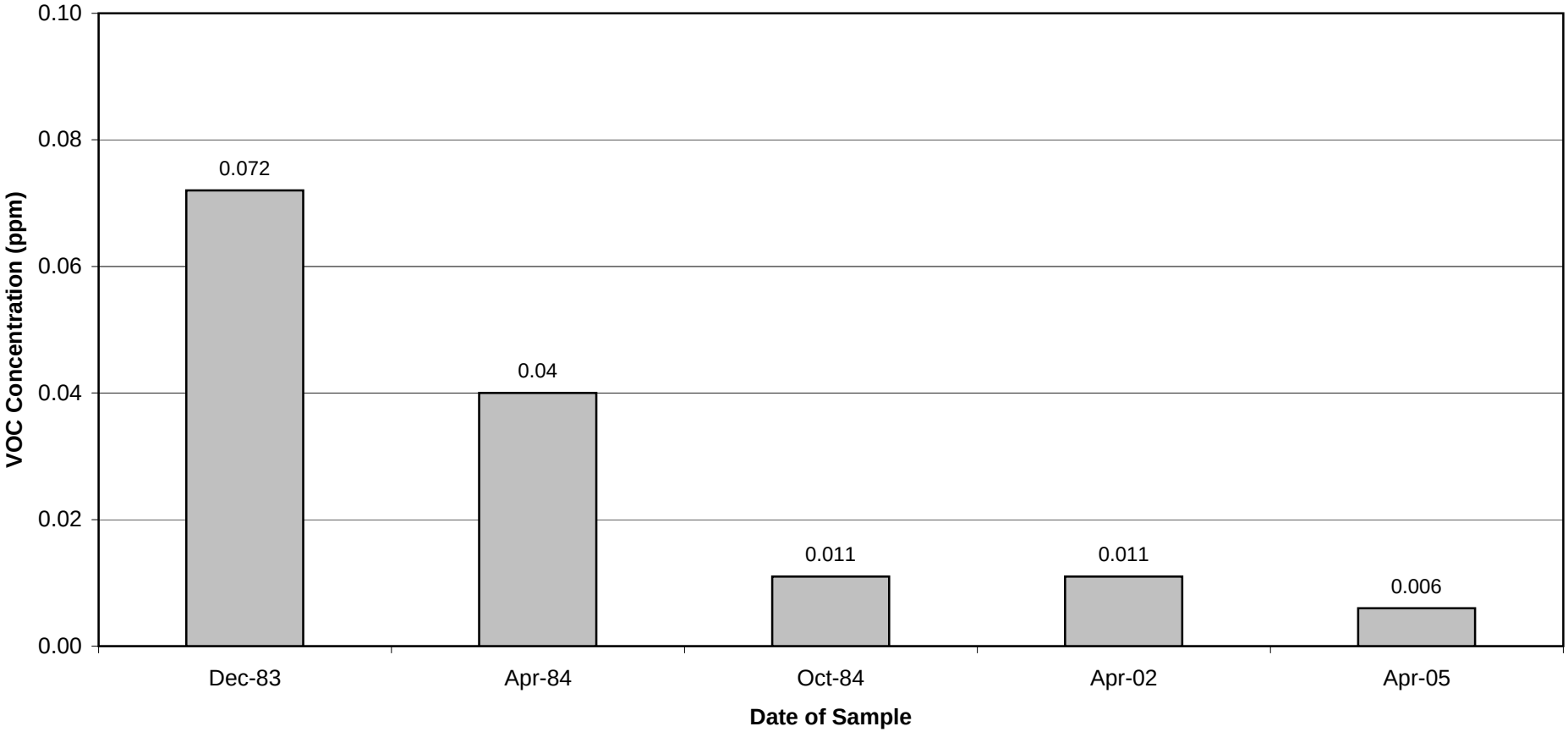
Well 51-14 Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

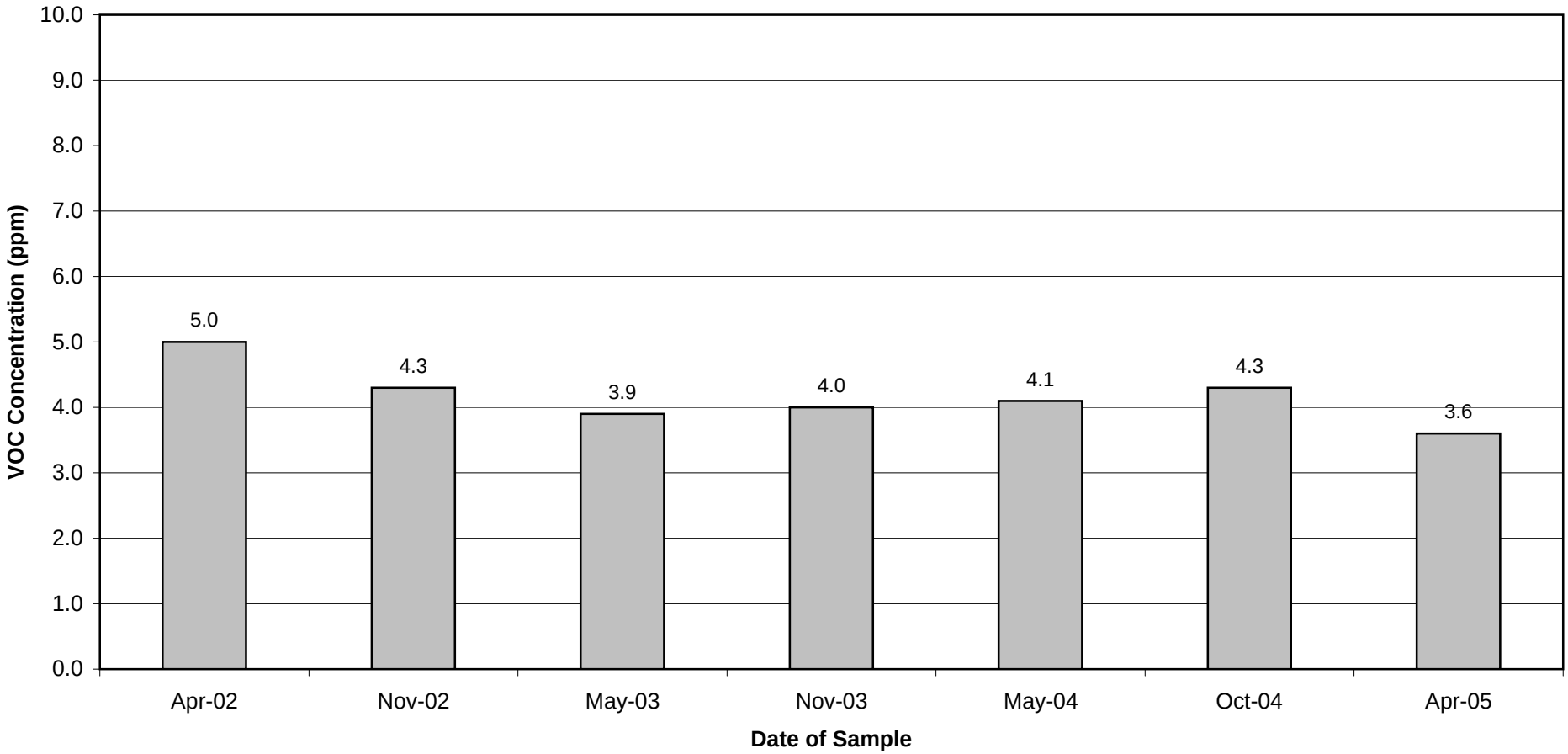
Well 54B/54B-R Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

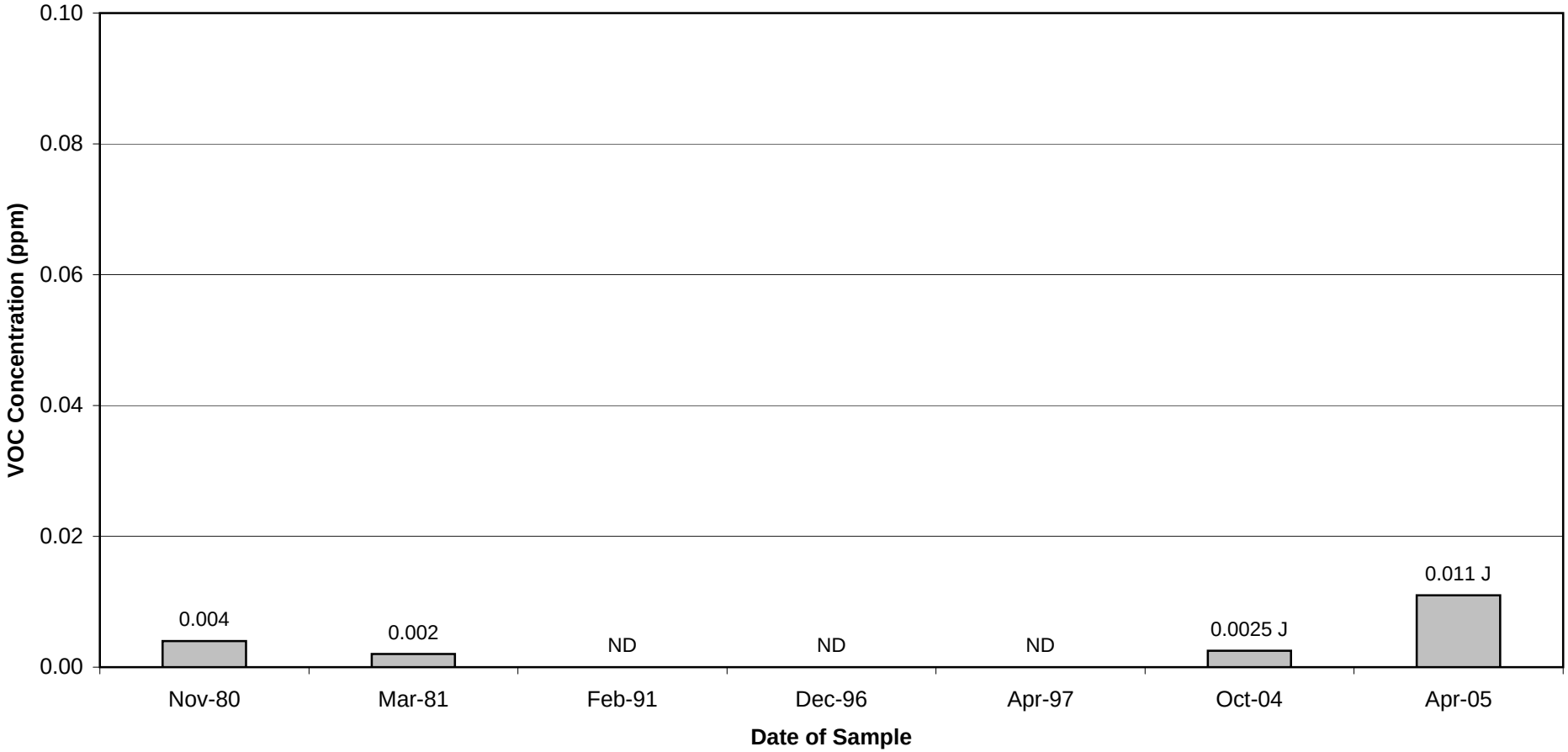
Well 78B/78B-R Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

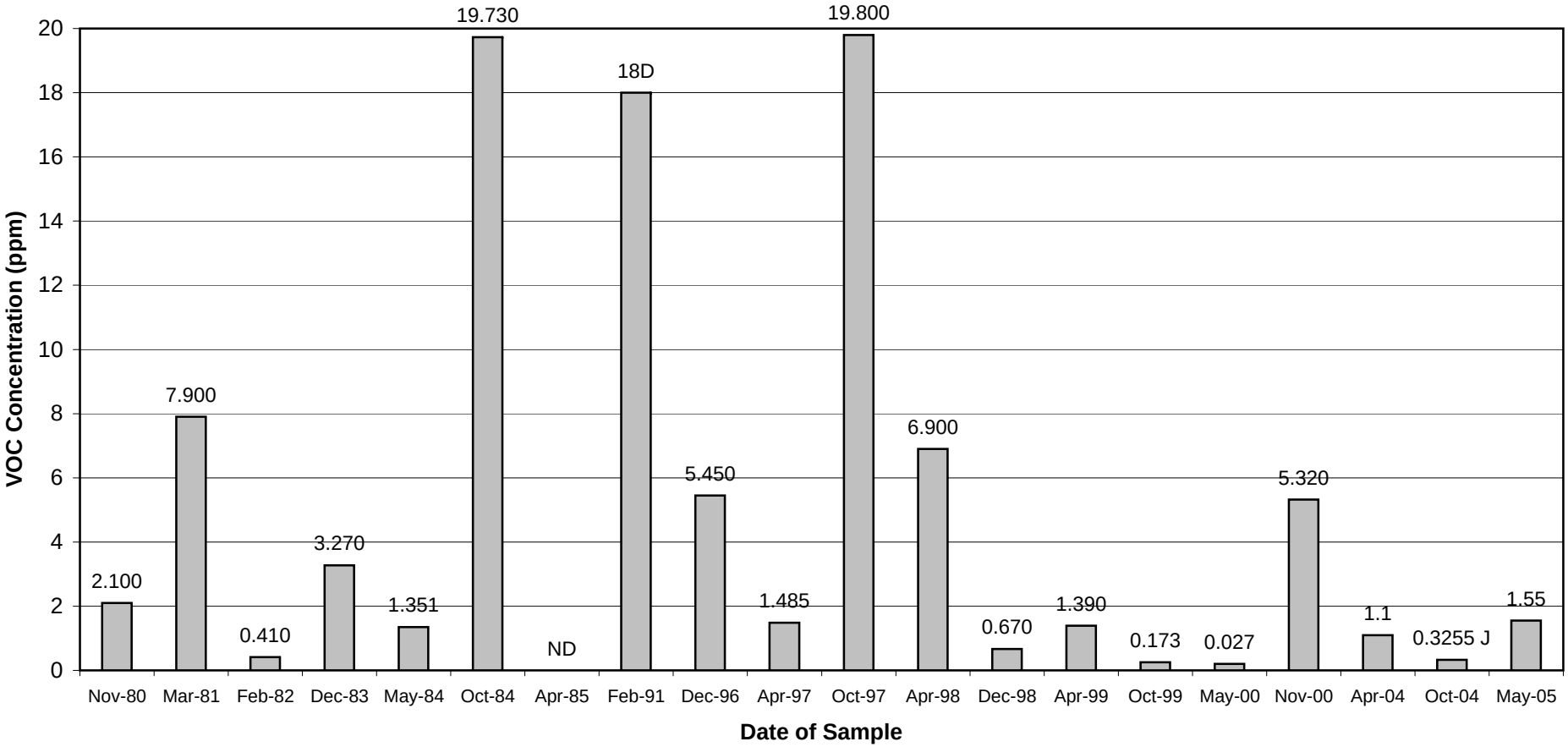
Well 82B/82B-R Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

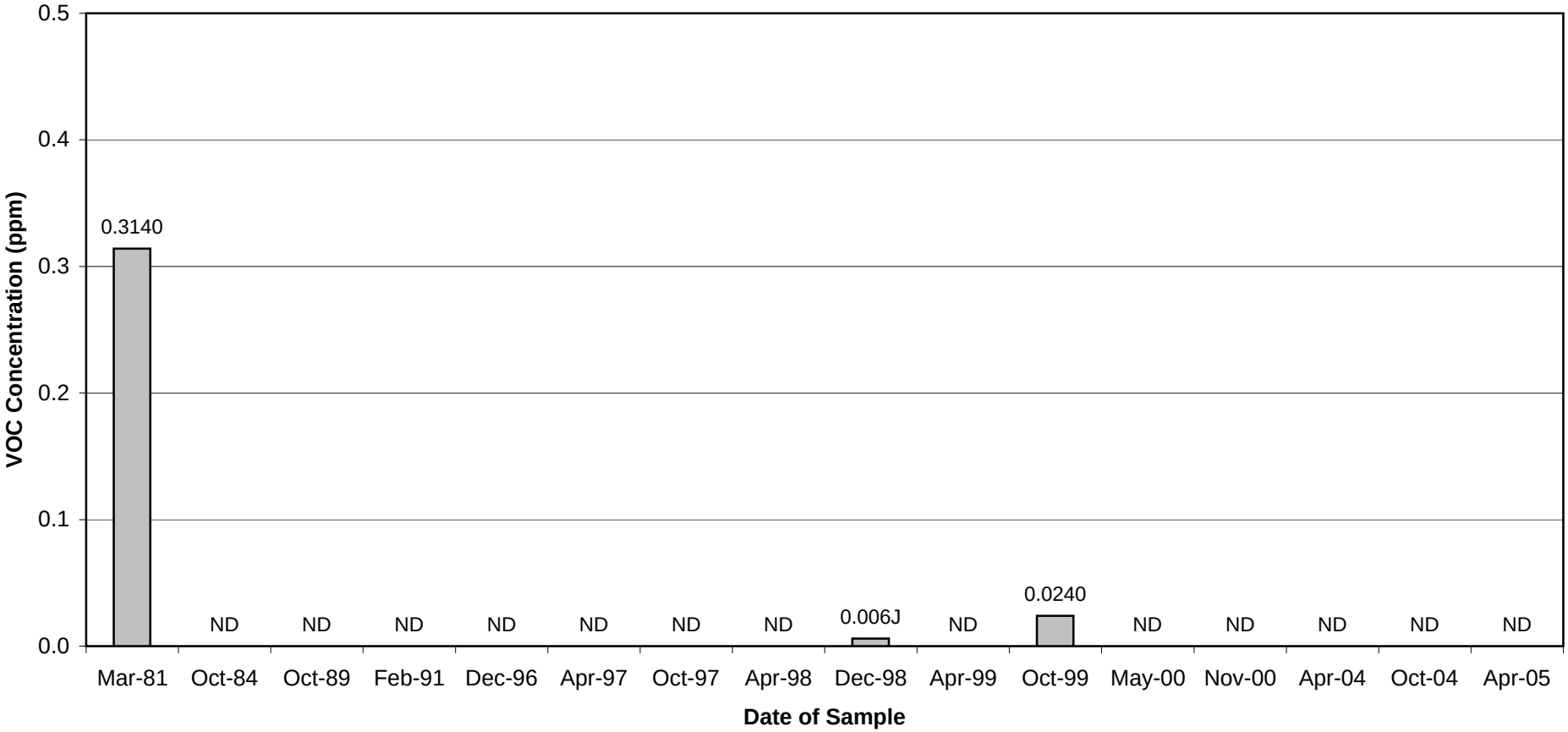
Well 89B Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

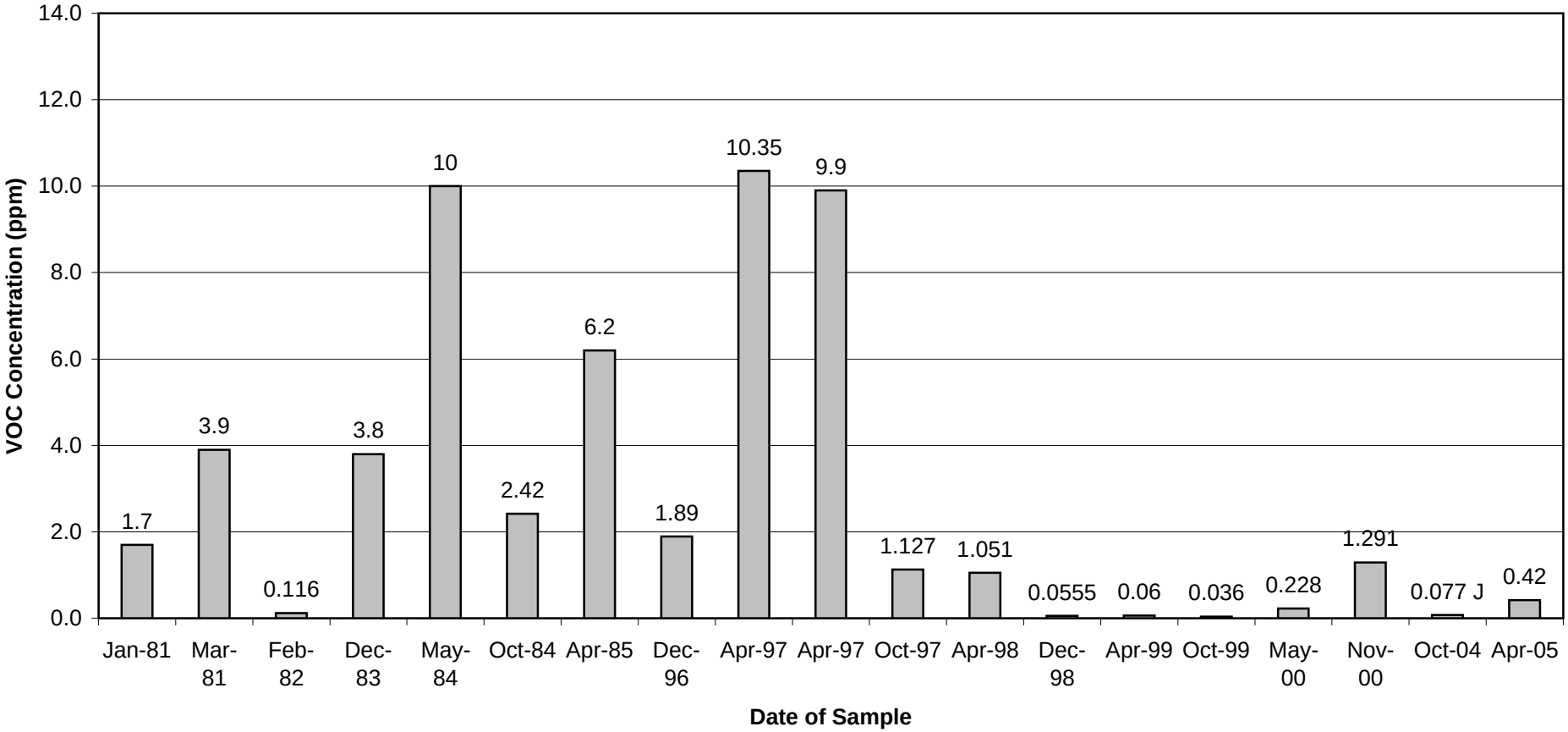
Well 90B Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

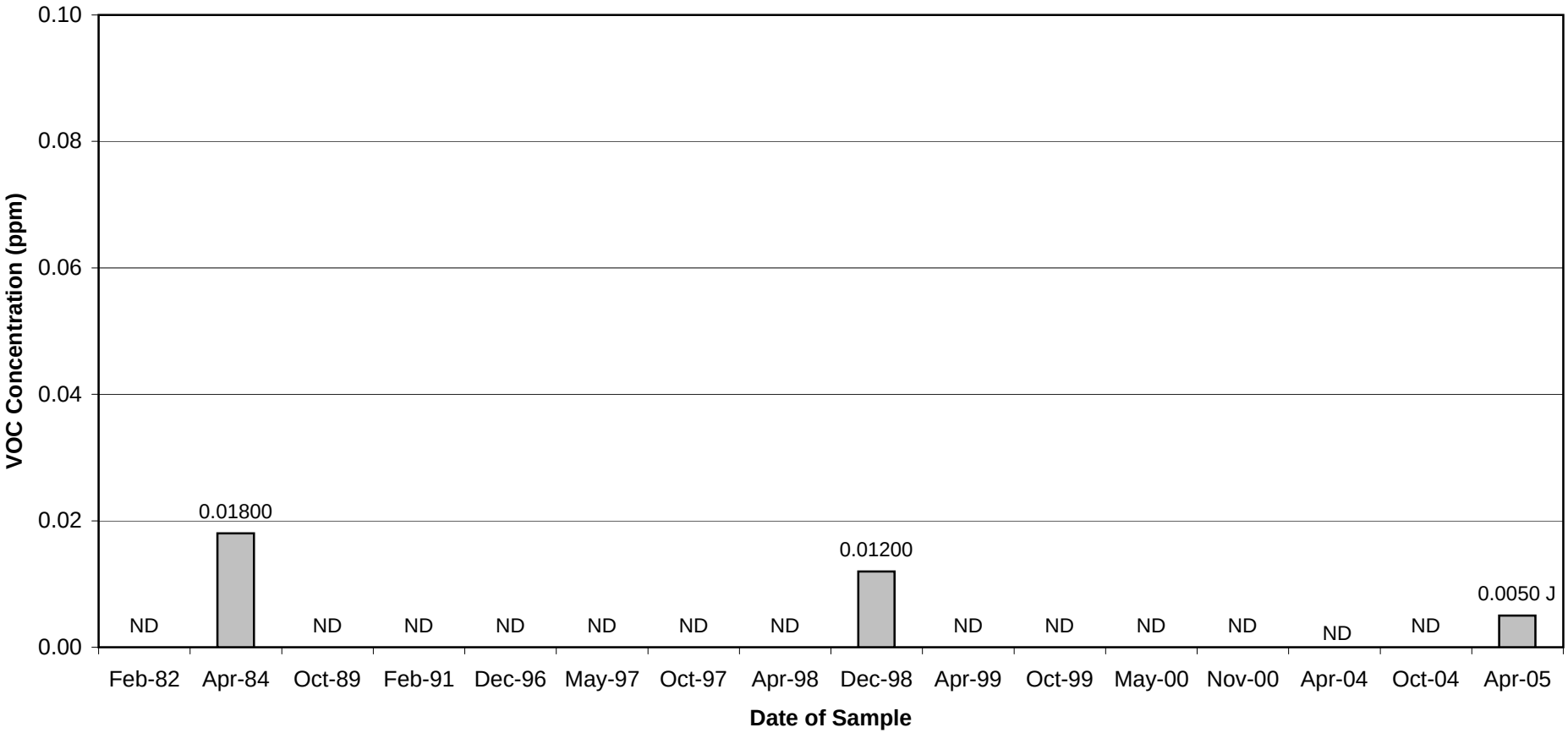
Well 95B/95B-R Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

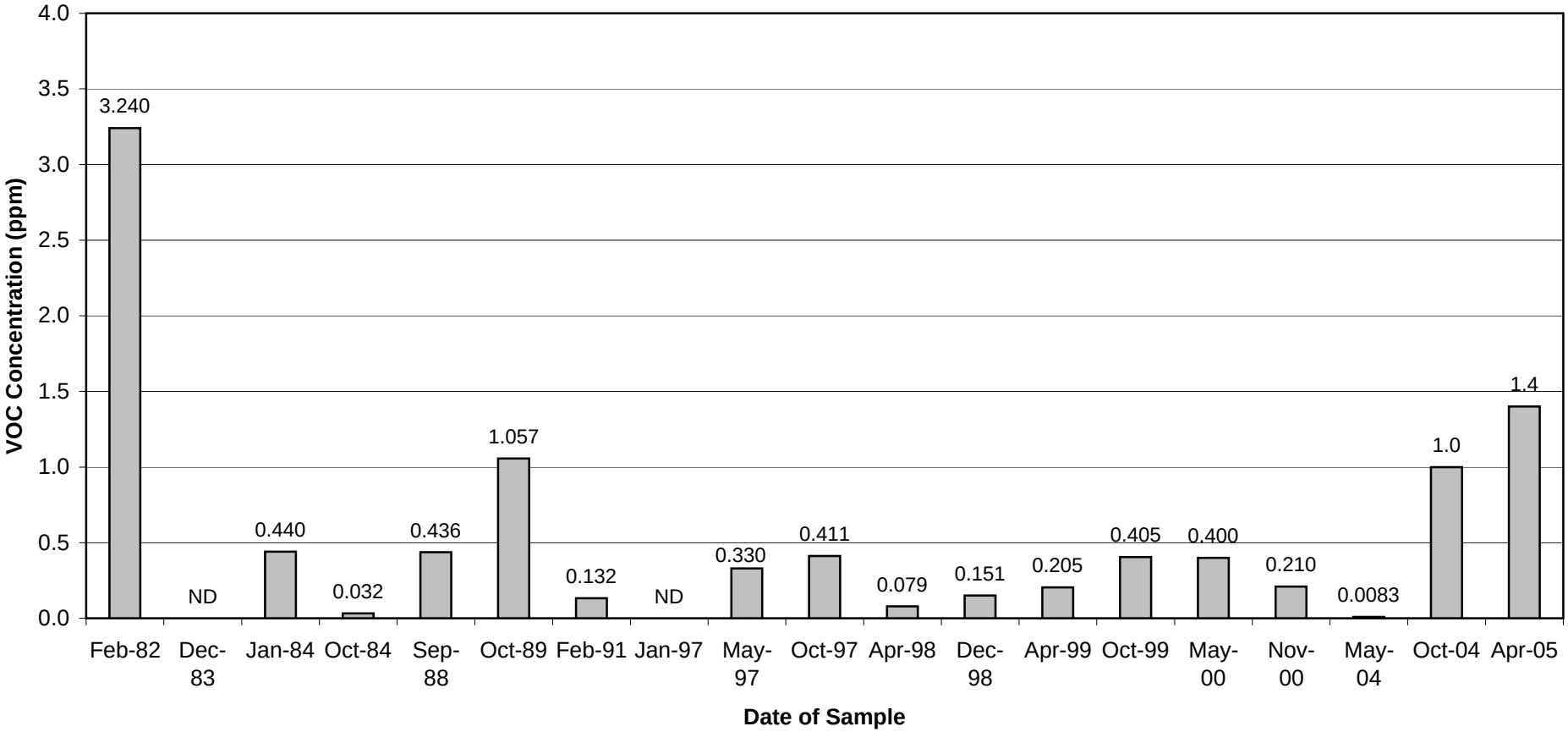
Well 111B/111B-R Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114B/114B-R Historical Total VOC Concentrations



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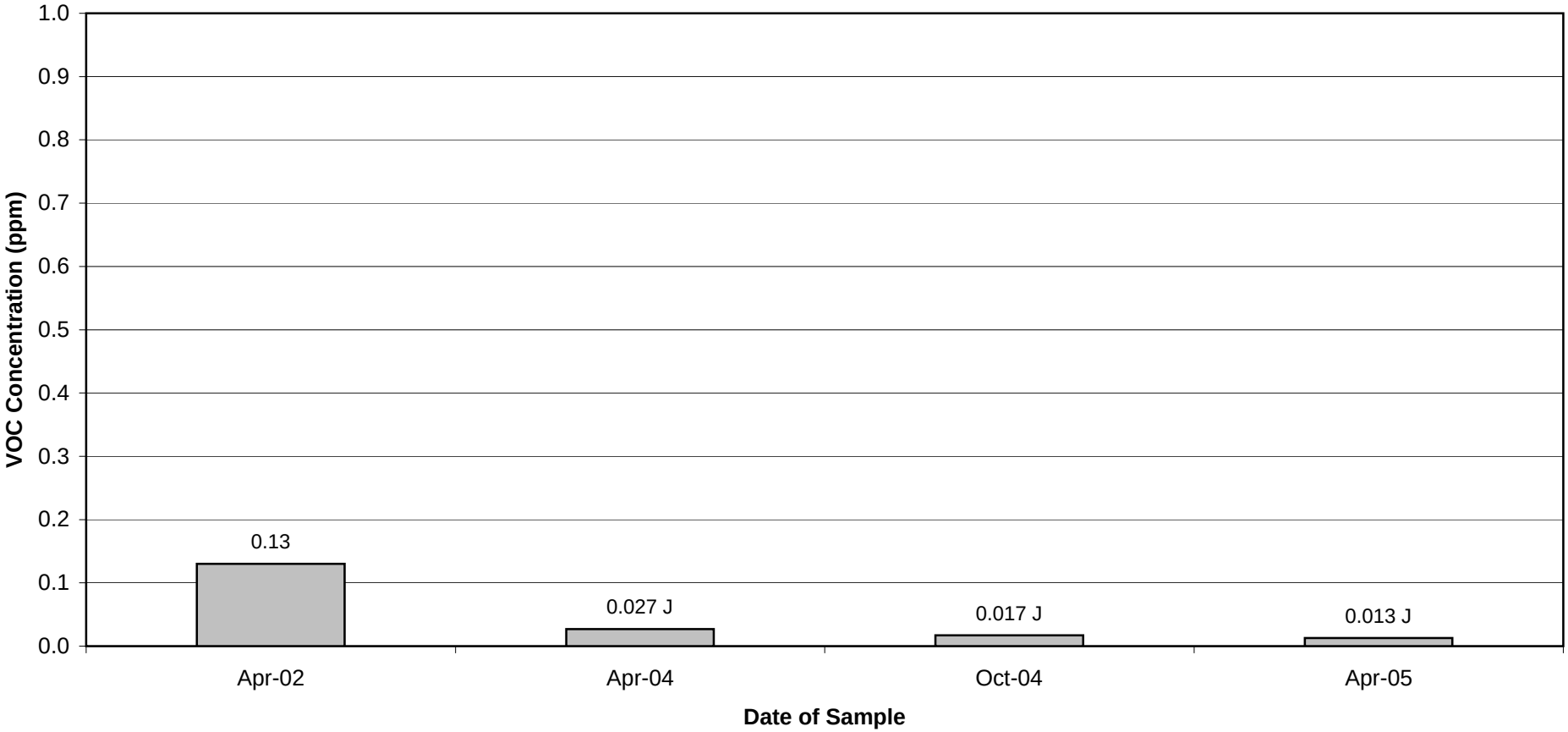
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-2 Historical Total VOC Concentrations



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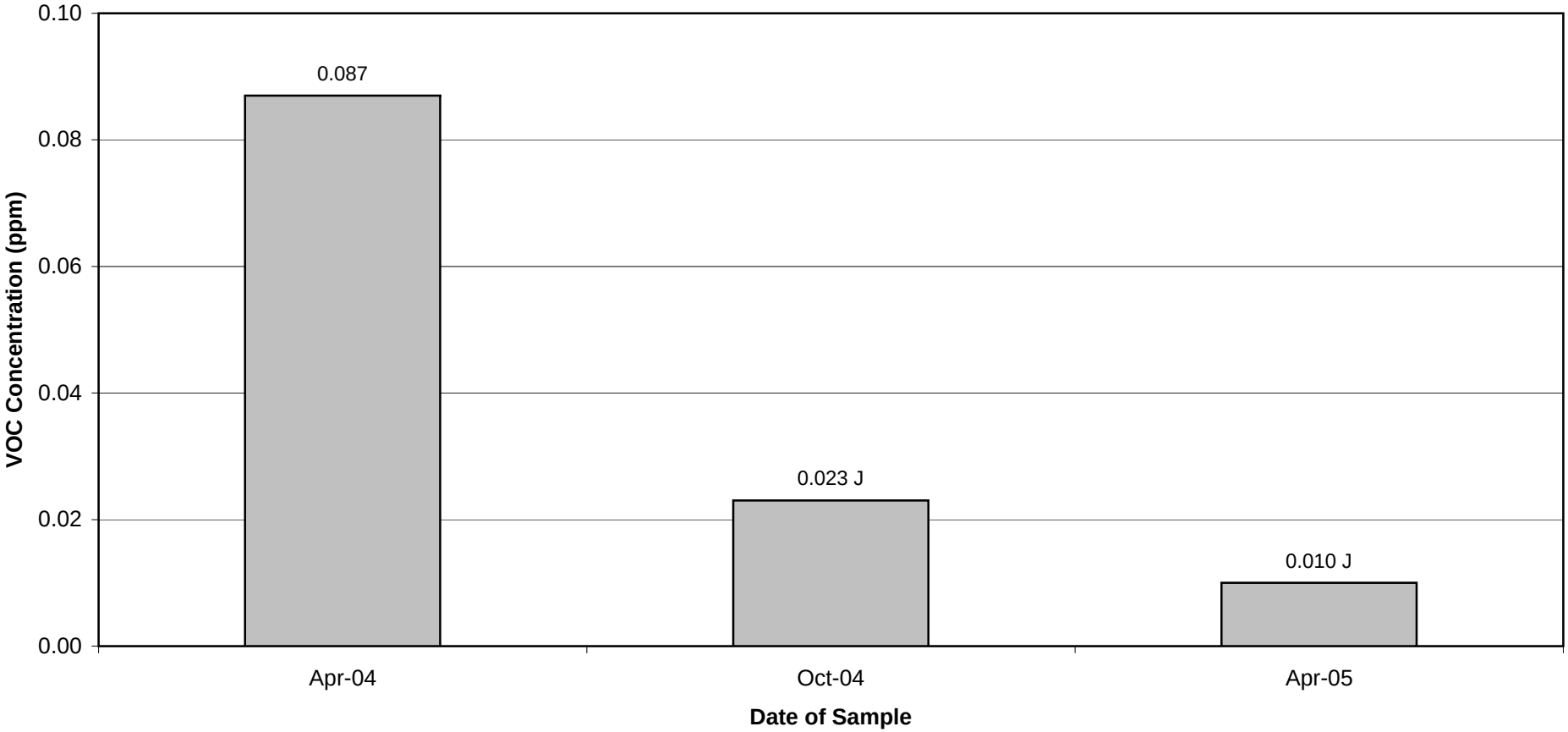
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-3 Historical Total VOC Concentrations



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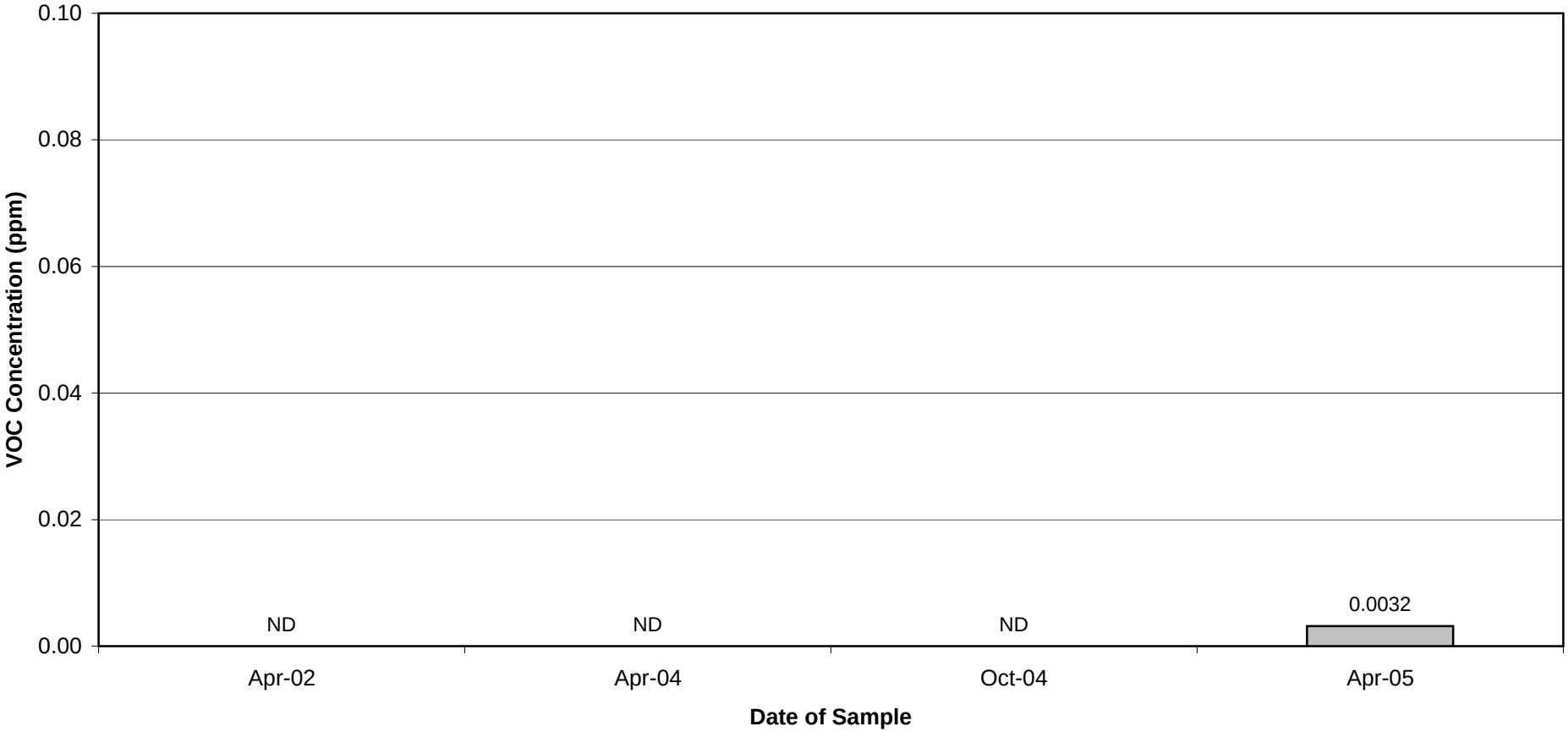
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-4 Historical Total VOC Concentrations



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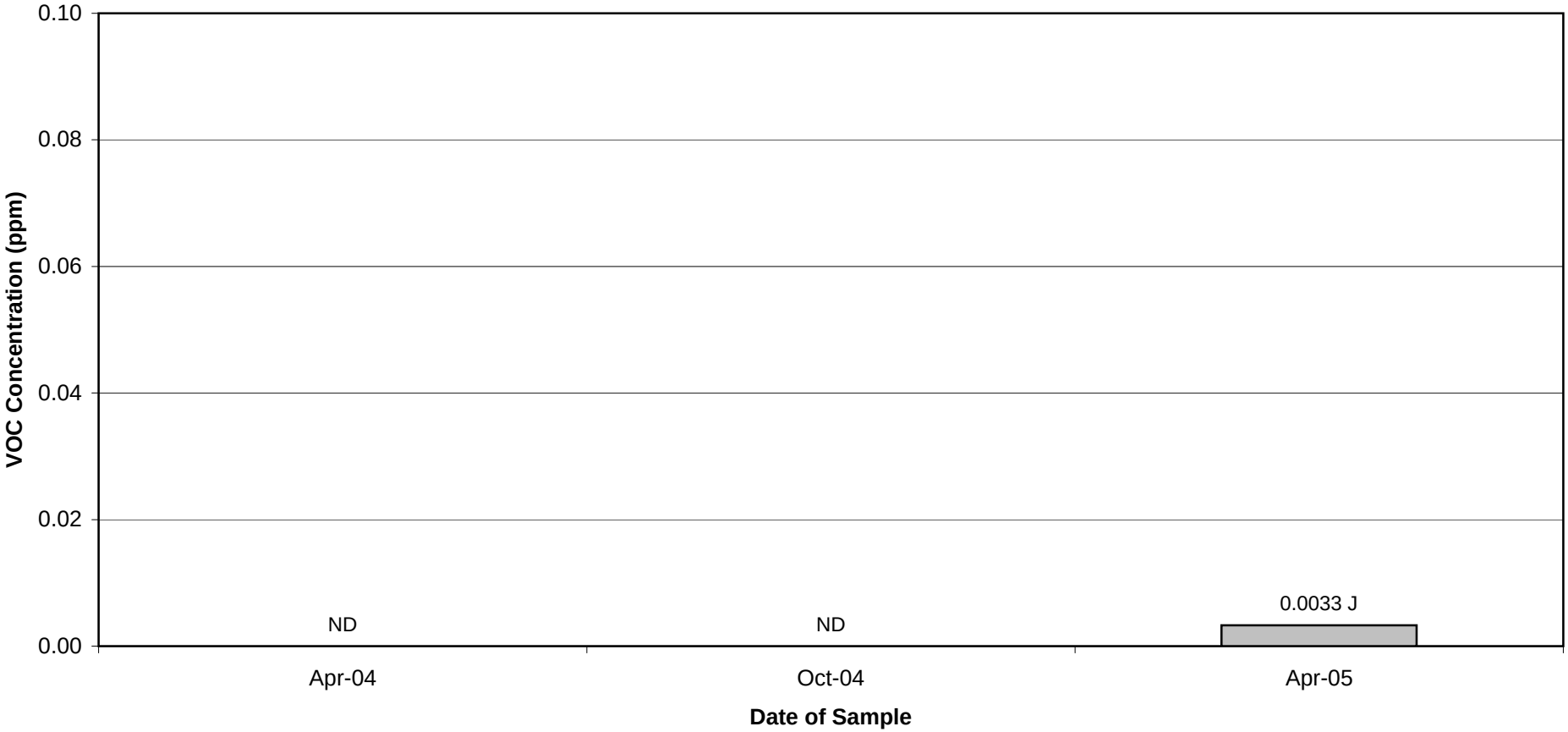
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

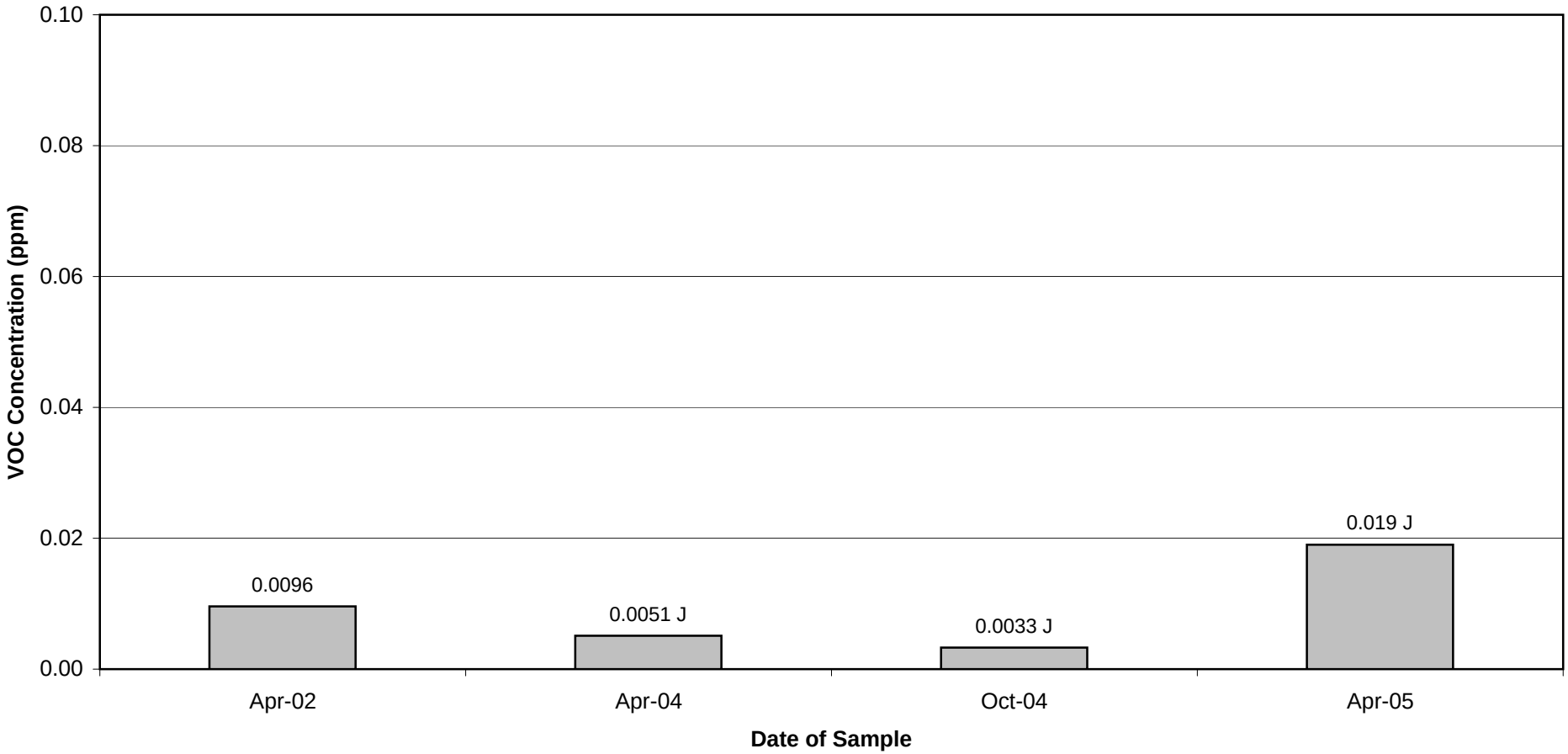
Well GMA3-5 Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-6 Historical Total VOC Concentrations



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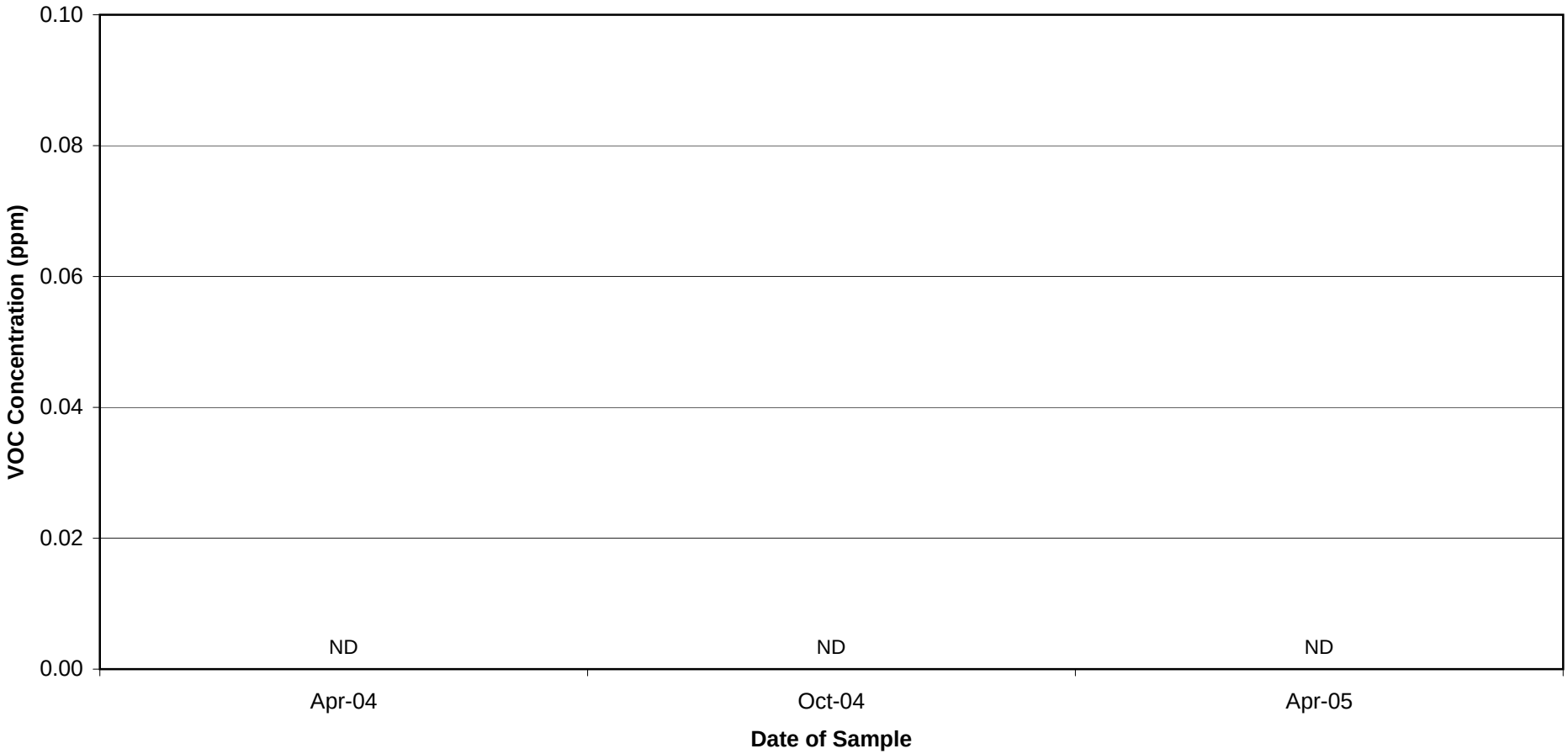
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-7 Historical Total VOC Concentrations



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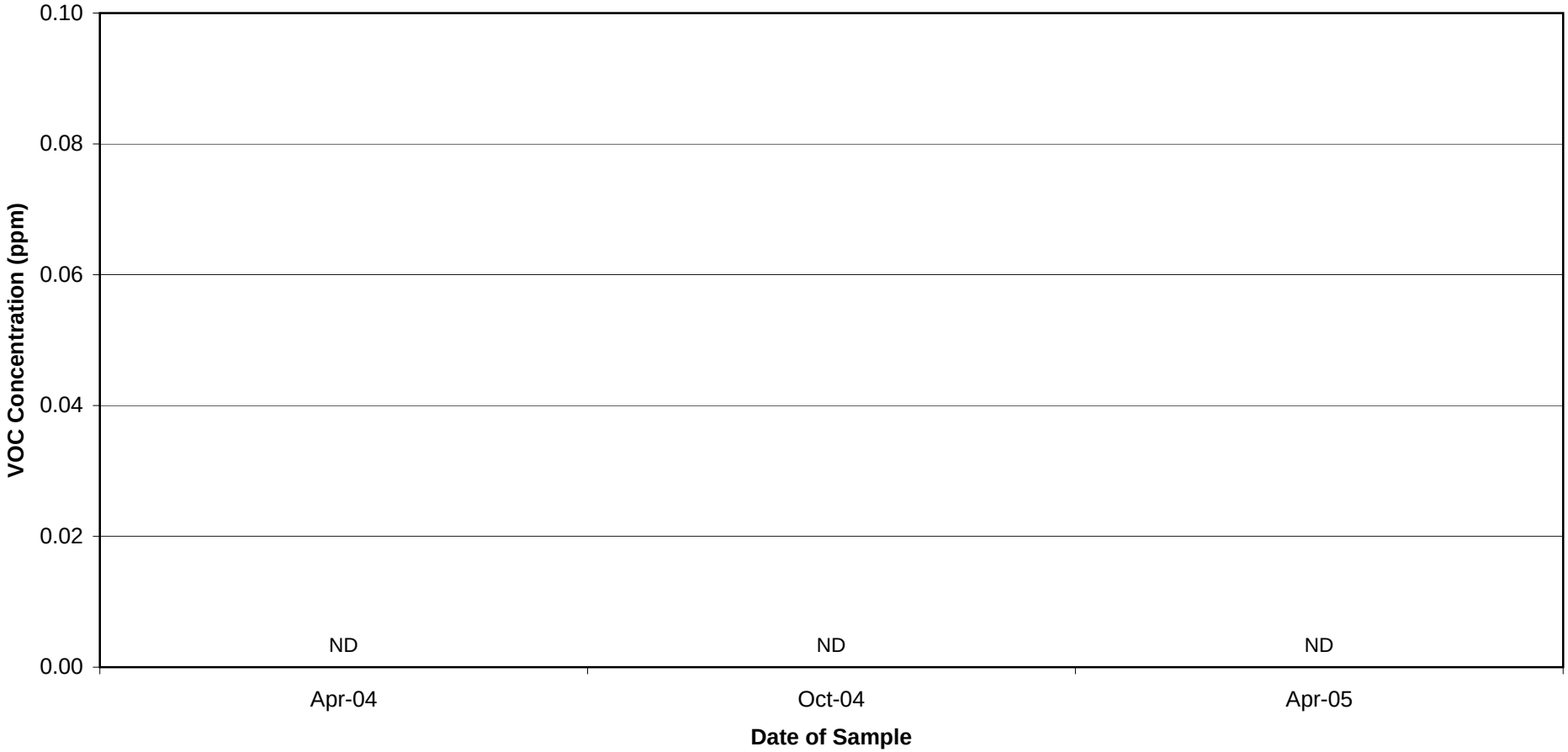
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

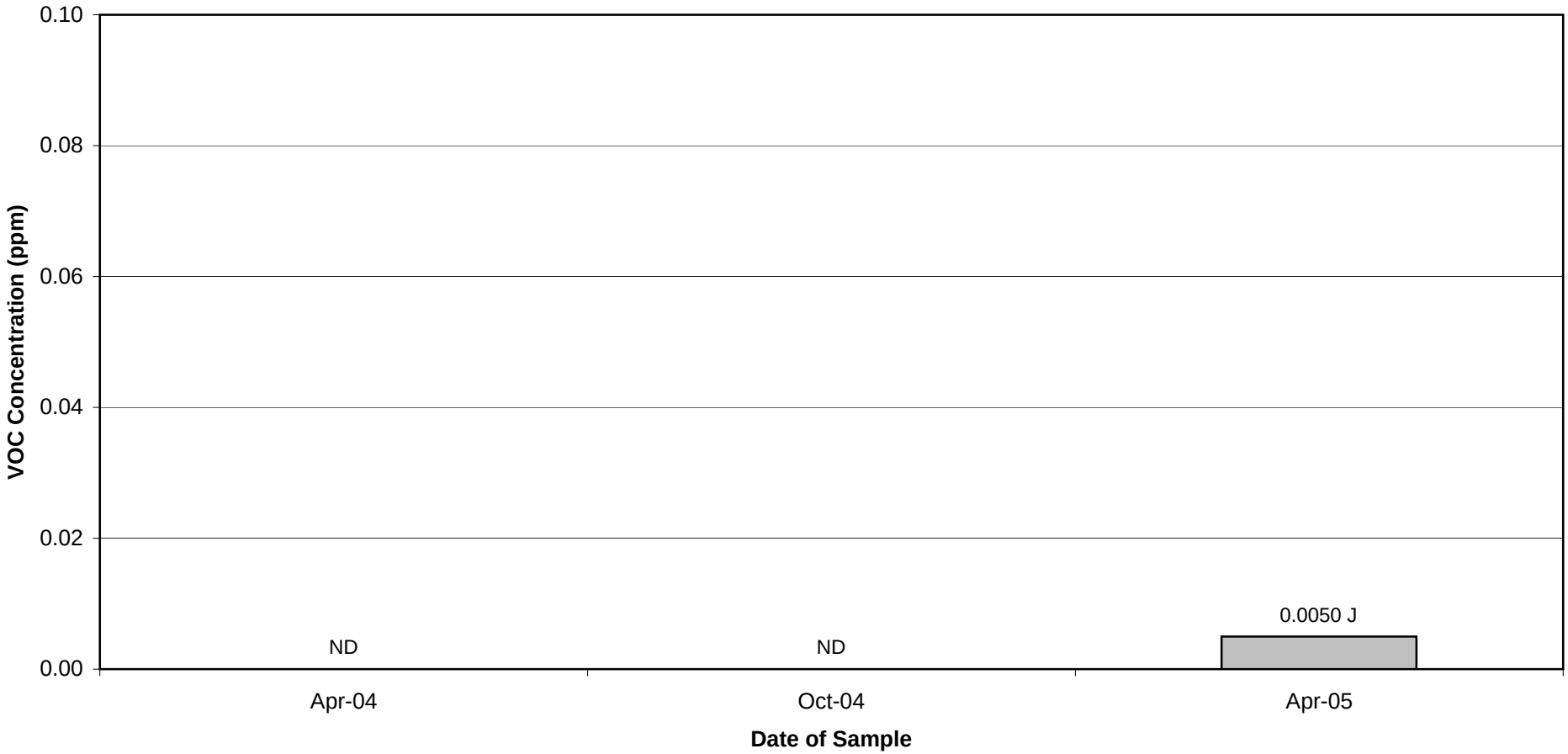
Well GMA3-8 Historical Total VOC Concentrations



Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-9 Historical Total VOC Concentrations



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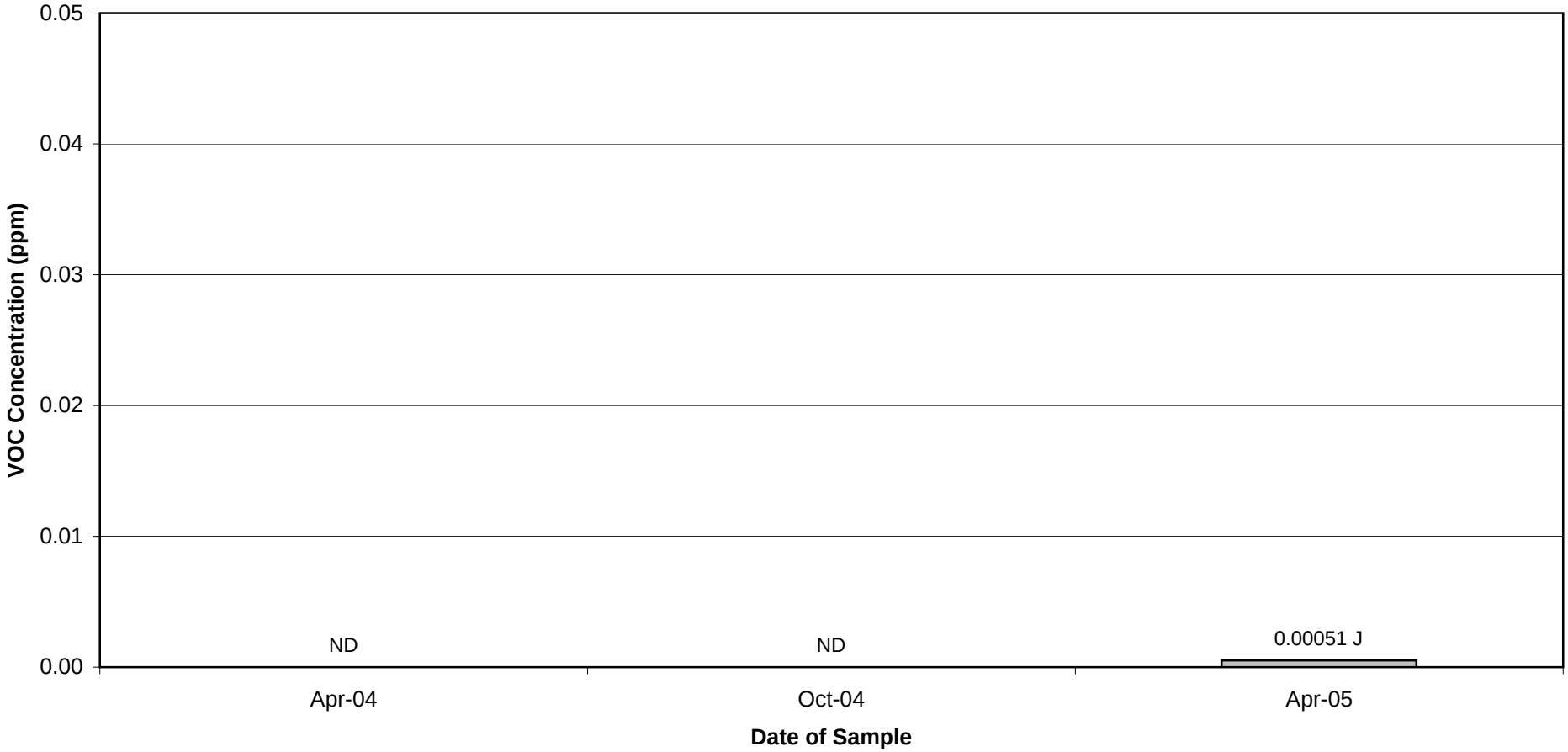
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

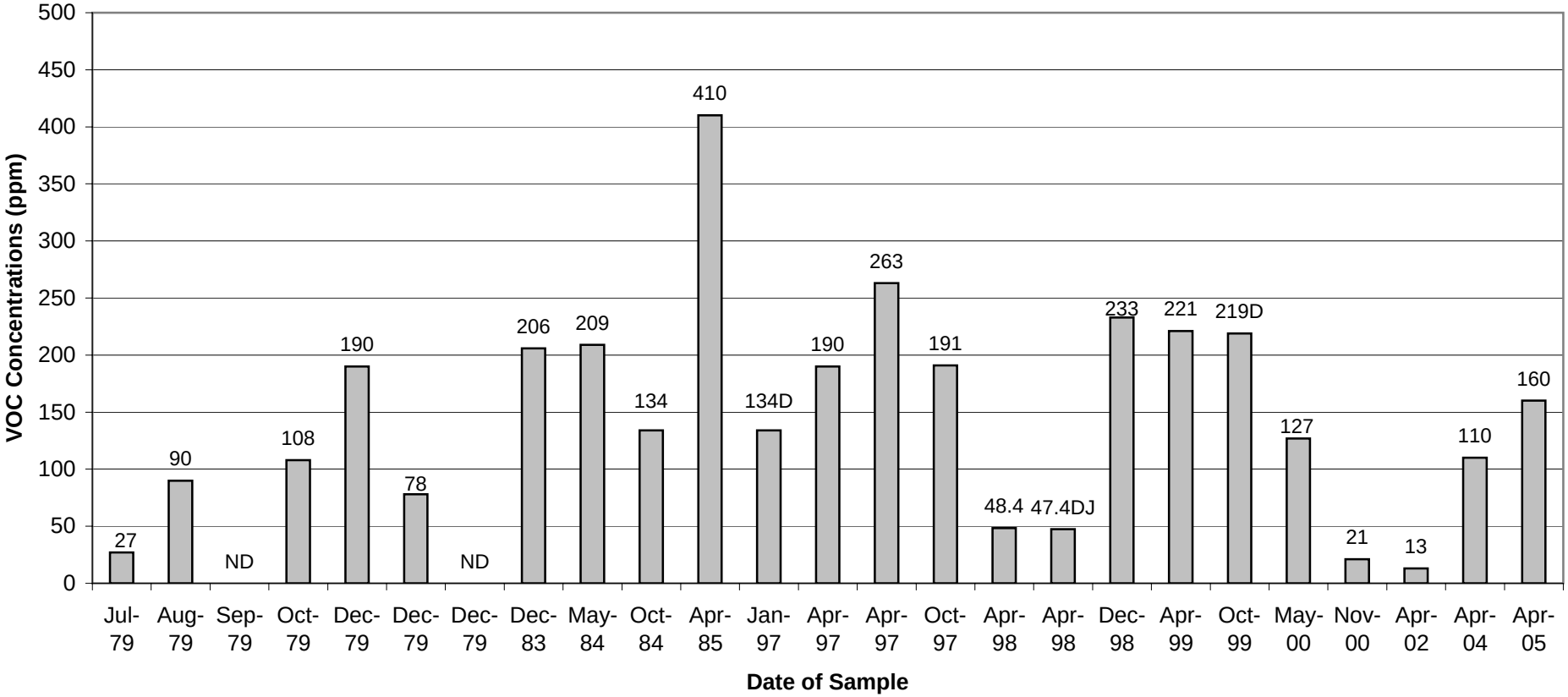
Well OBG-2 Historical Total VOC Concentrations



Appendix E

General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 2A Historical Total VOC Concentrations



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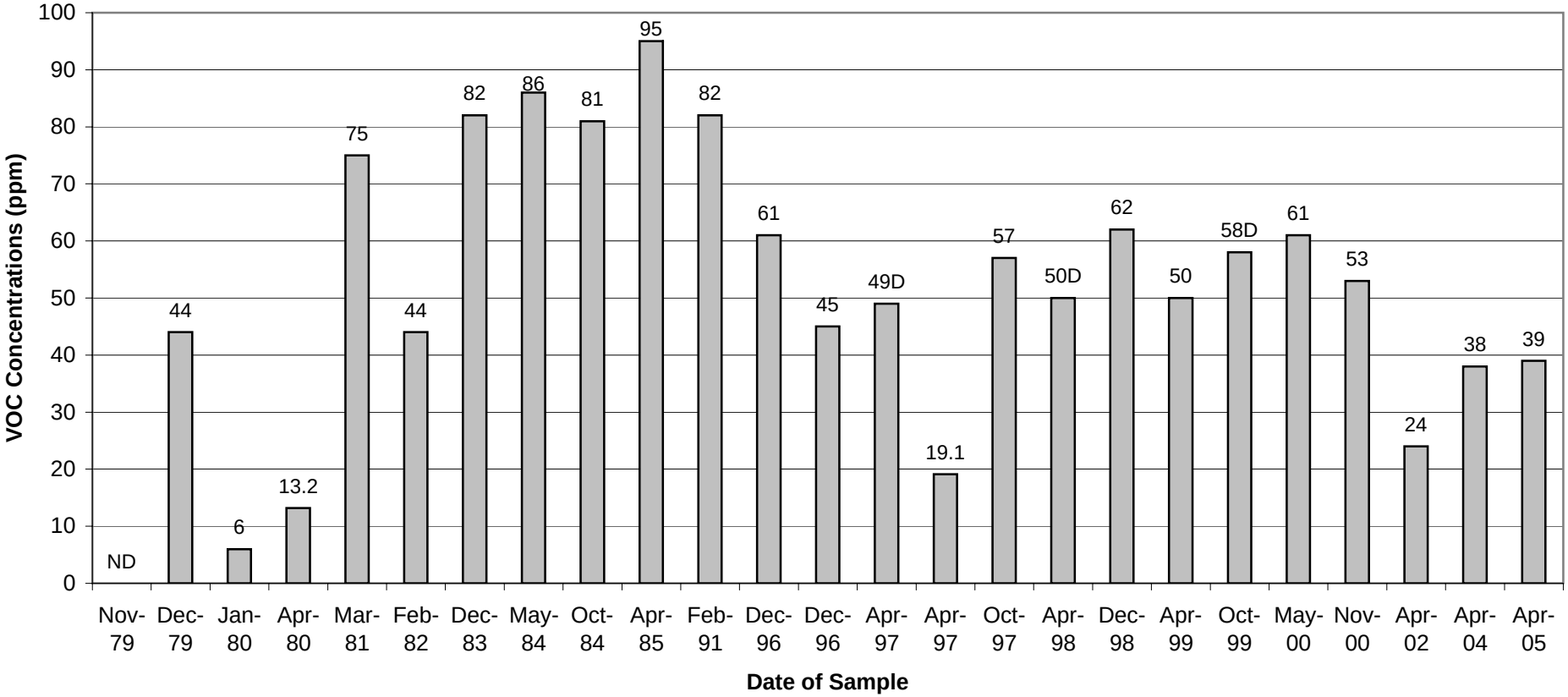
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

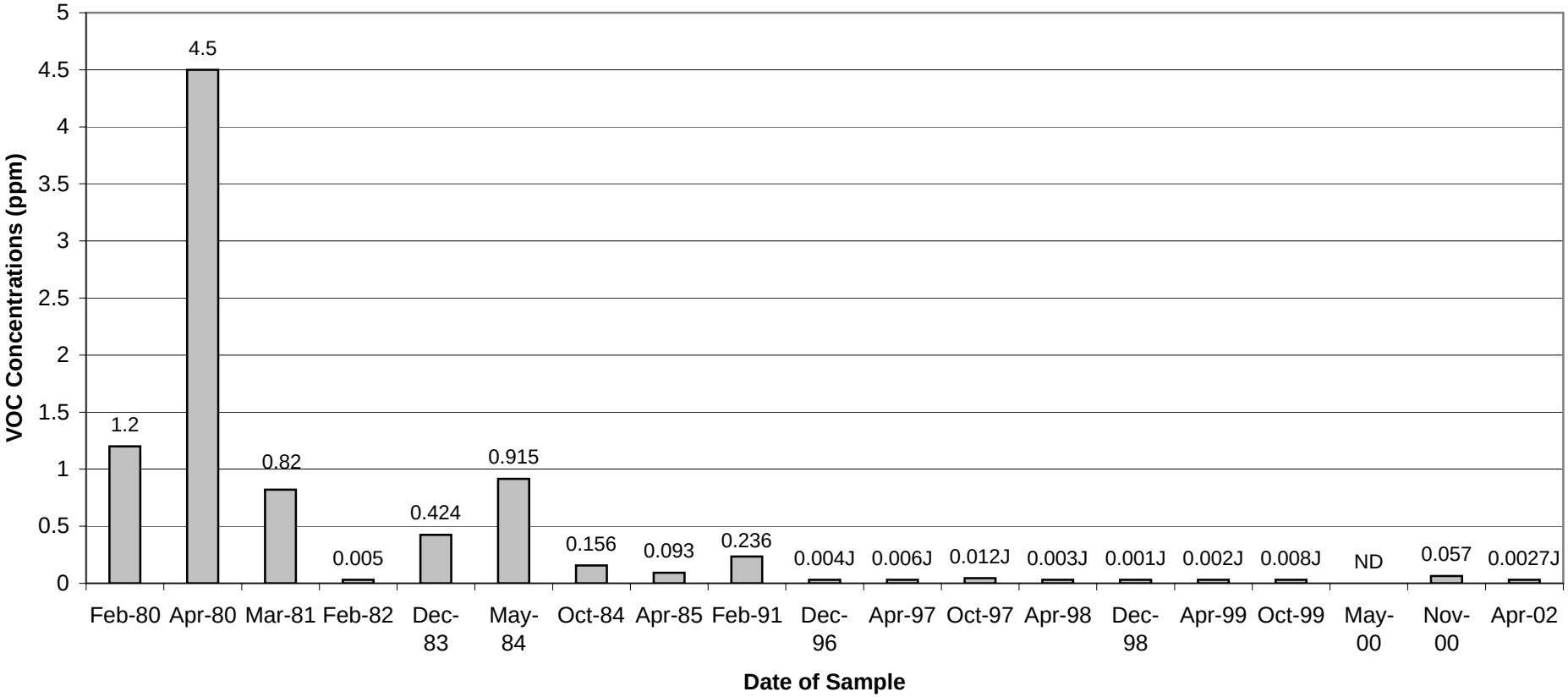
Well 16A Historical Total VOC Concentrations



Appendix F

General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

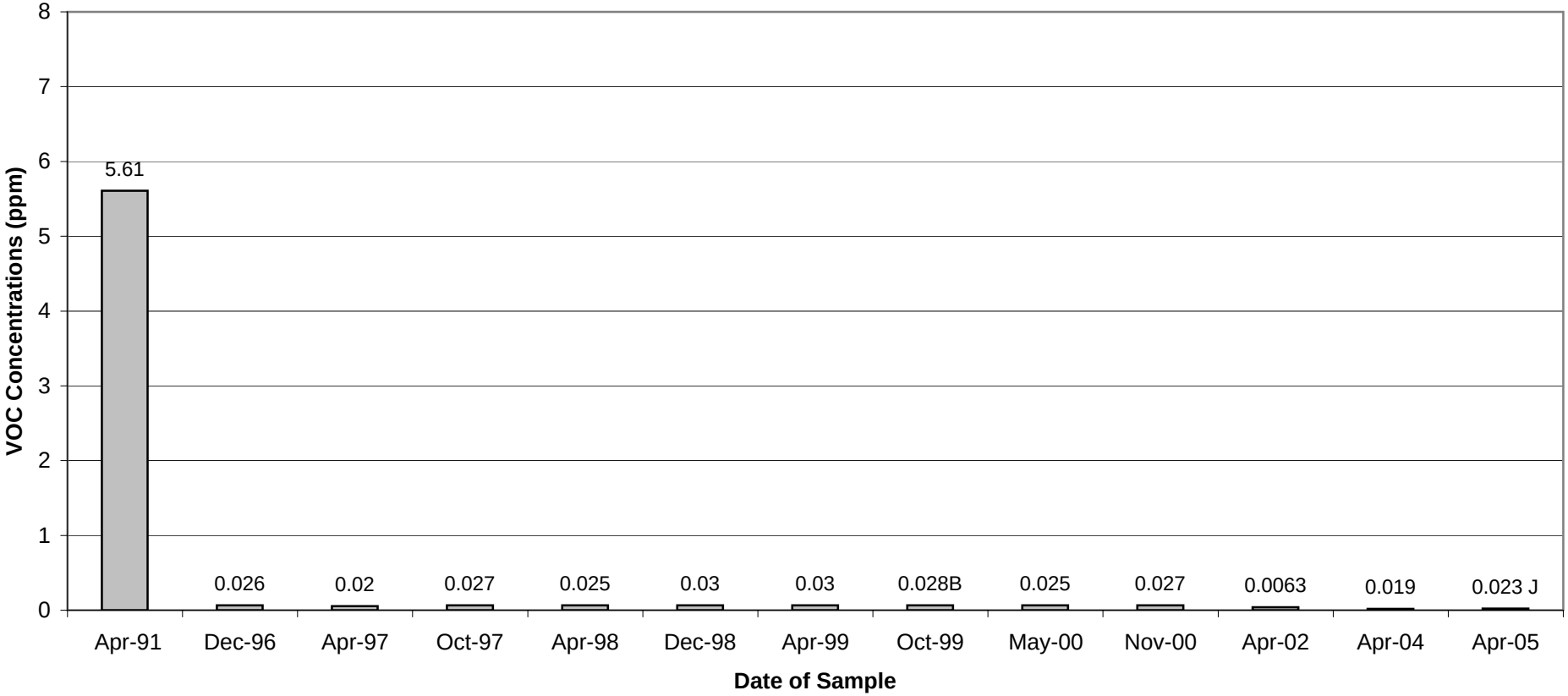
Well 16C Historical Total VOC Concentrations



Appendix E

General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

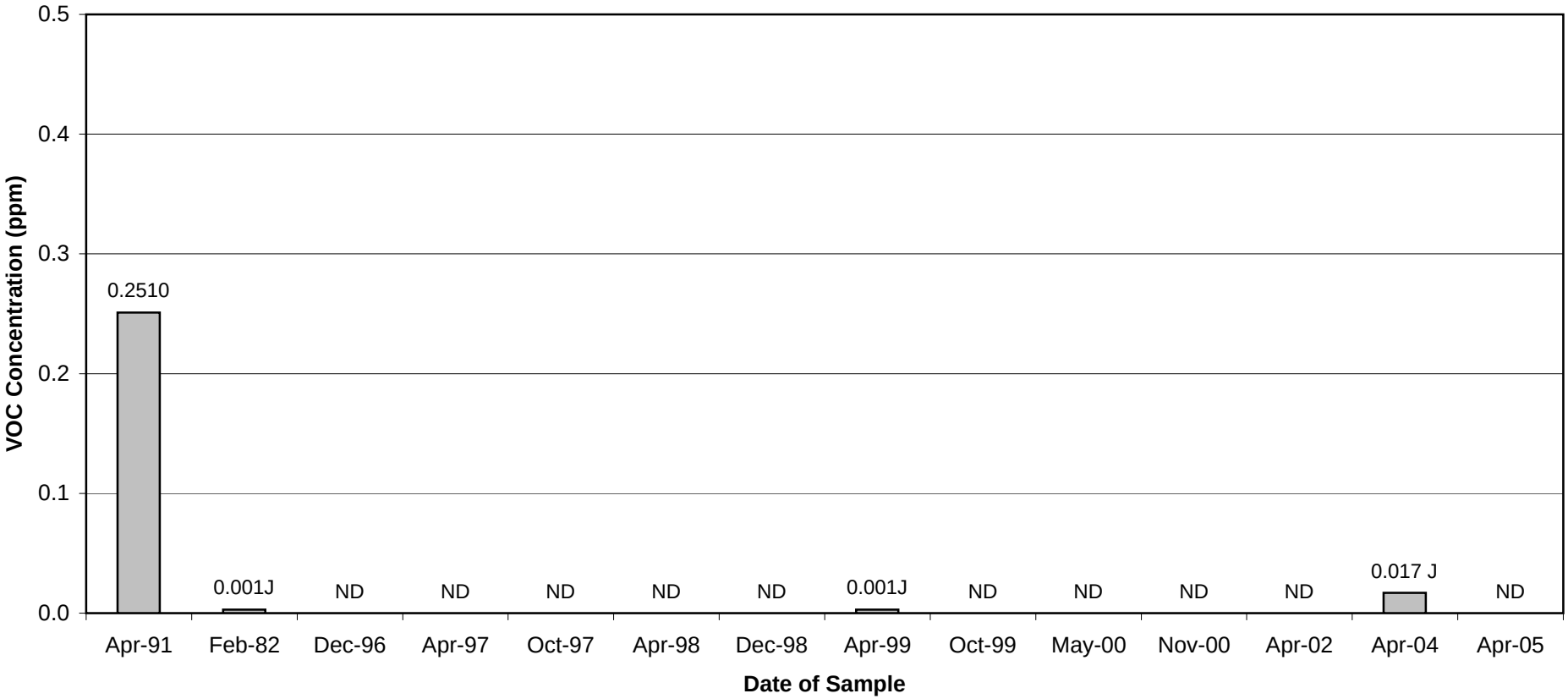
Well 39D Historical Total VOC Concentrations



Appendix E

General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 39E Historical Total VOC Concentrations



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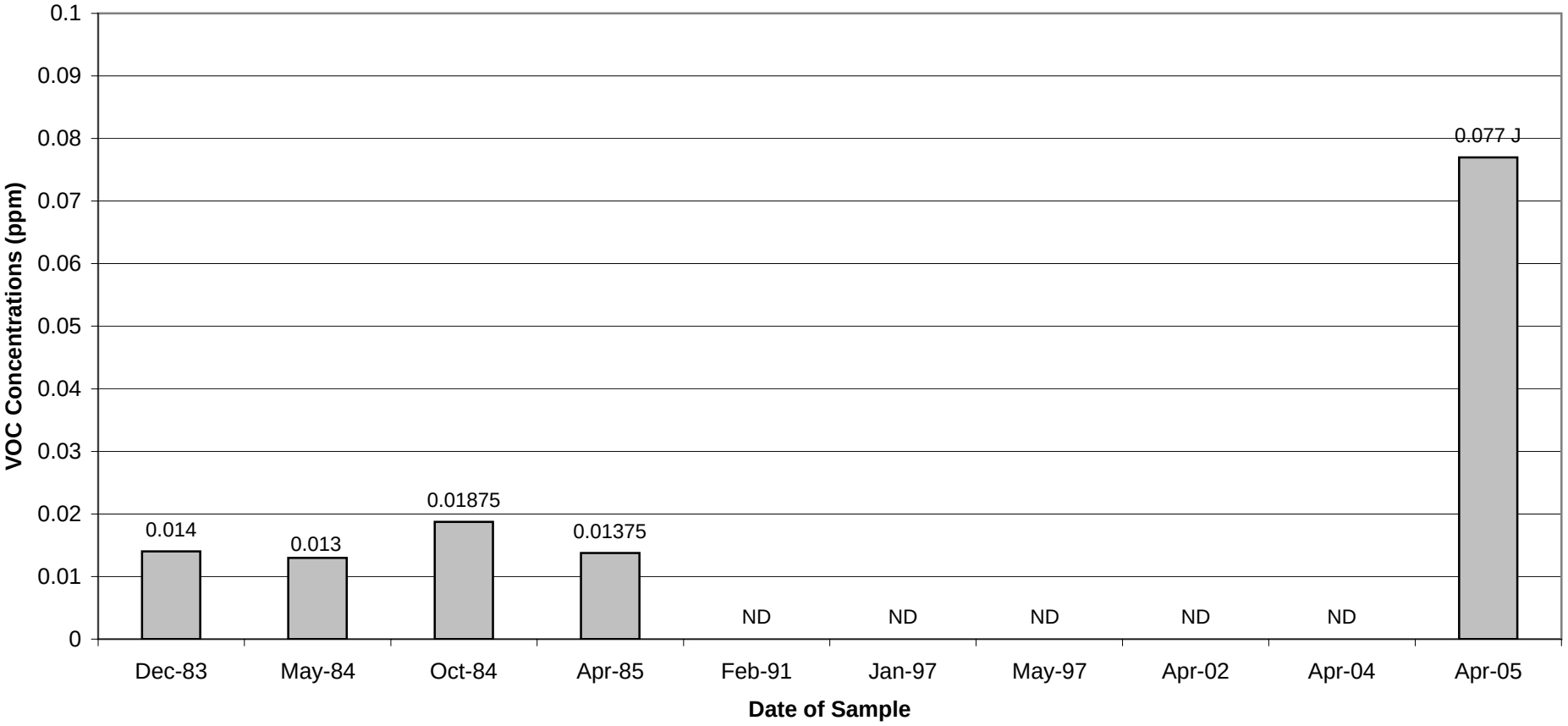
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 43A Historical Total VOC Concentrations



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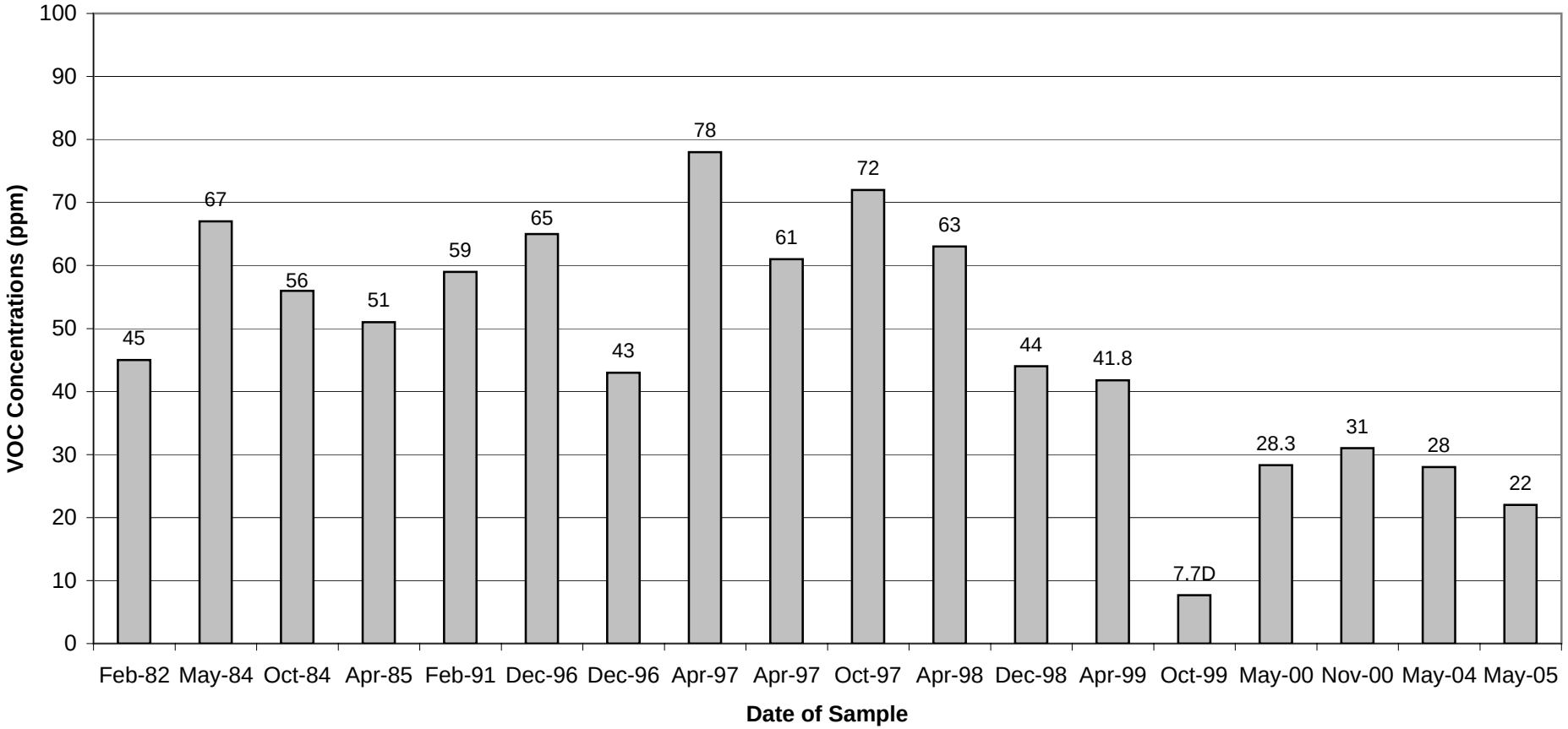
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

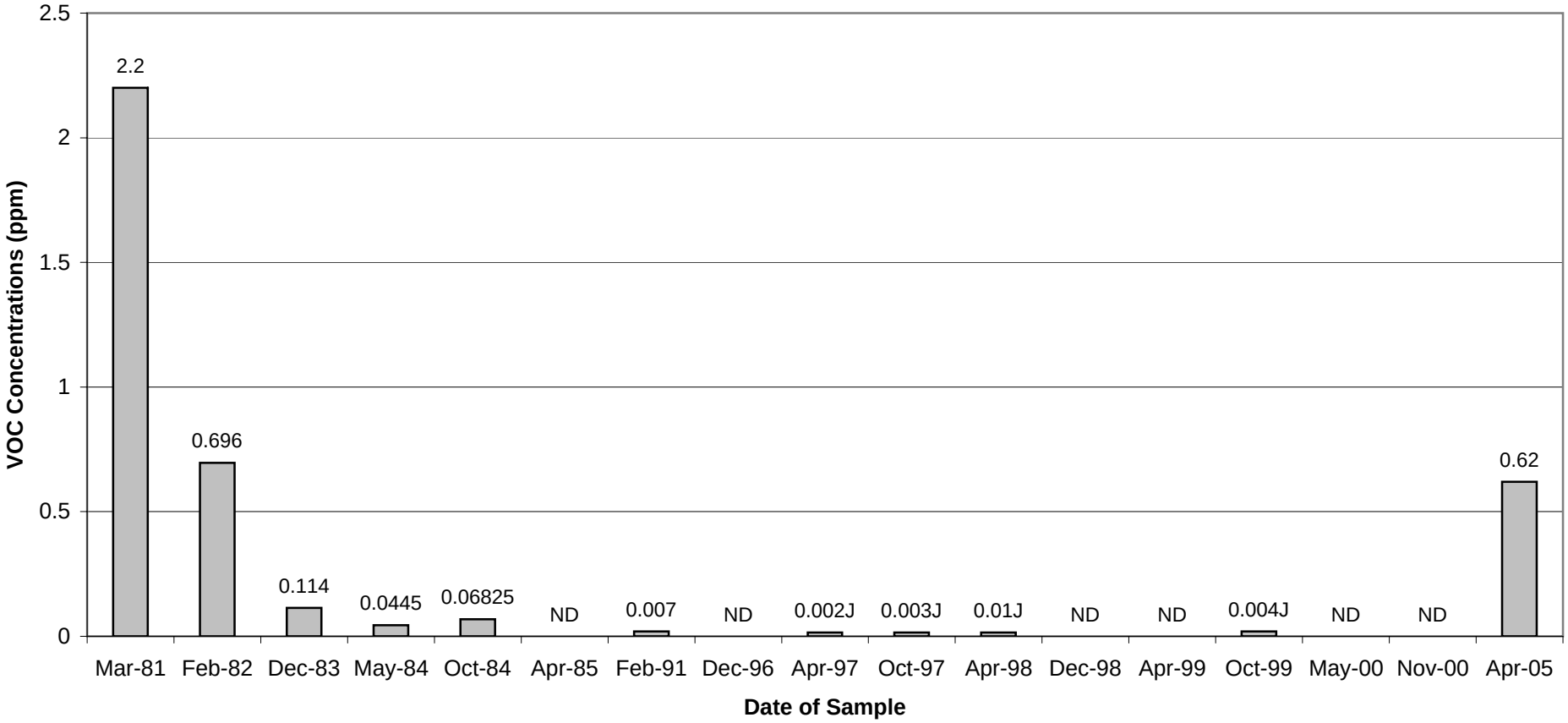
Well 89A Historical Total VOC Concentrations



Appendix F

General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 89D/89D-R Historical Total VOC Concentrations



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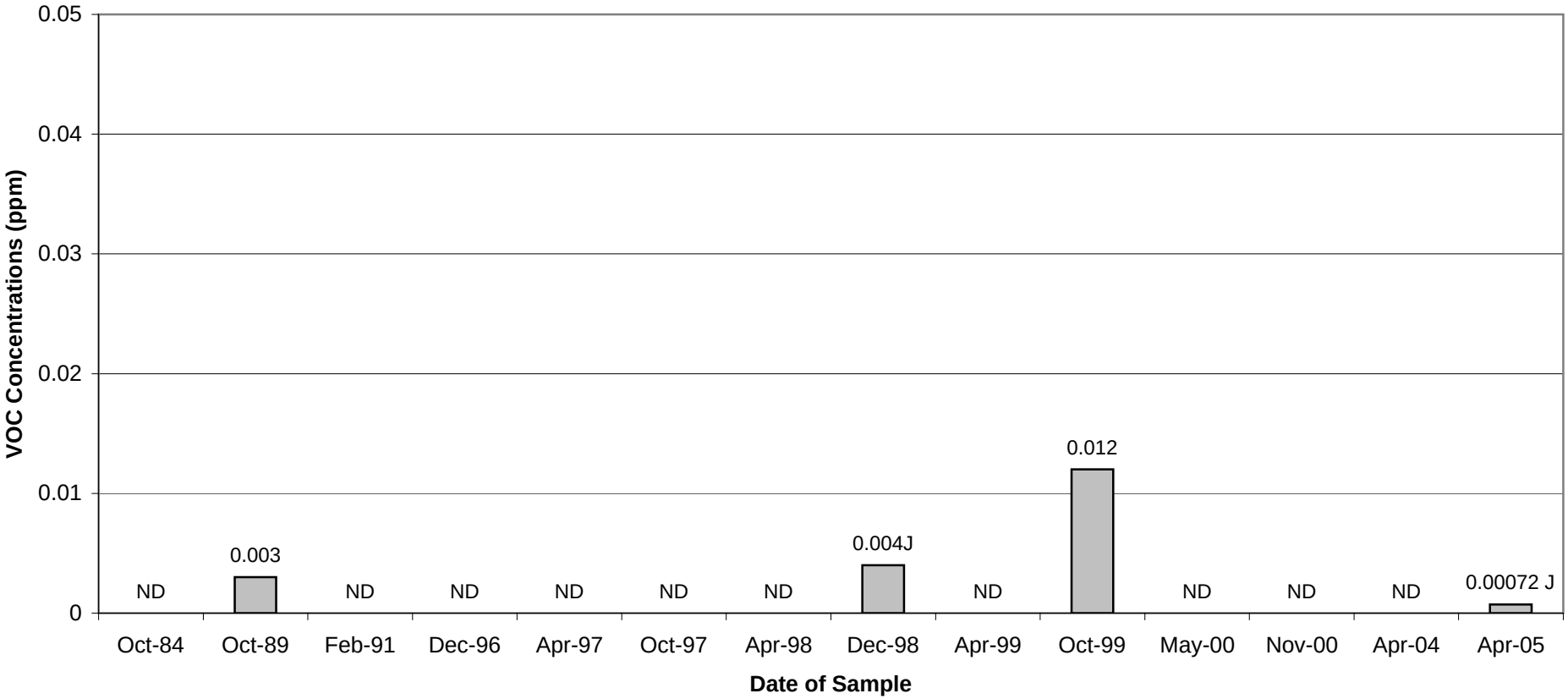
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 90A Historical Total VOC Concentrations



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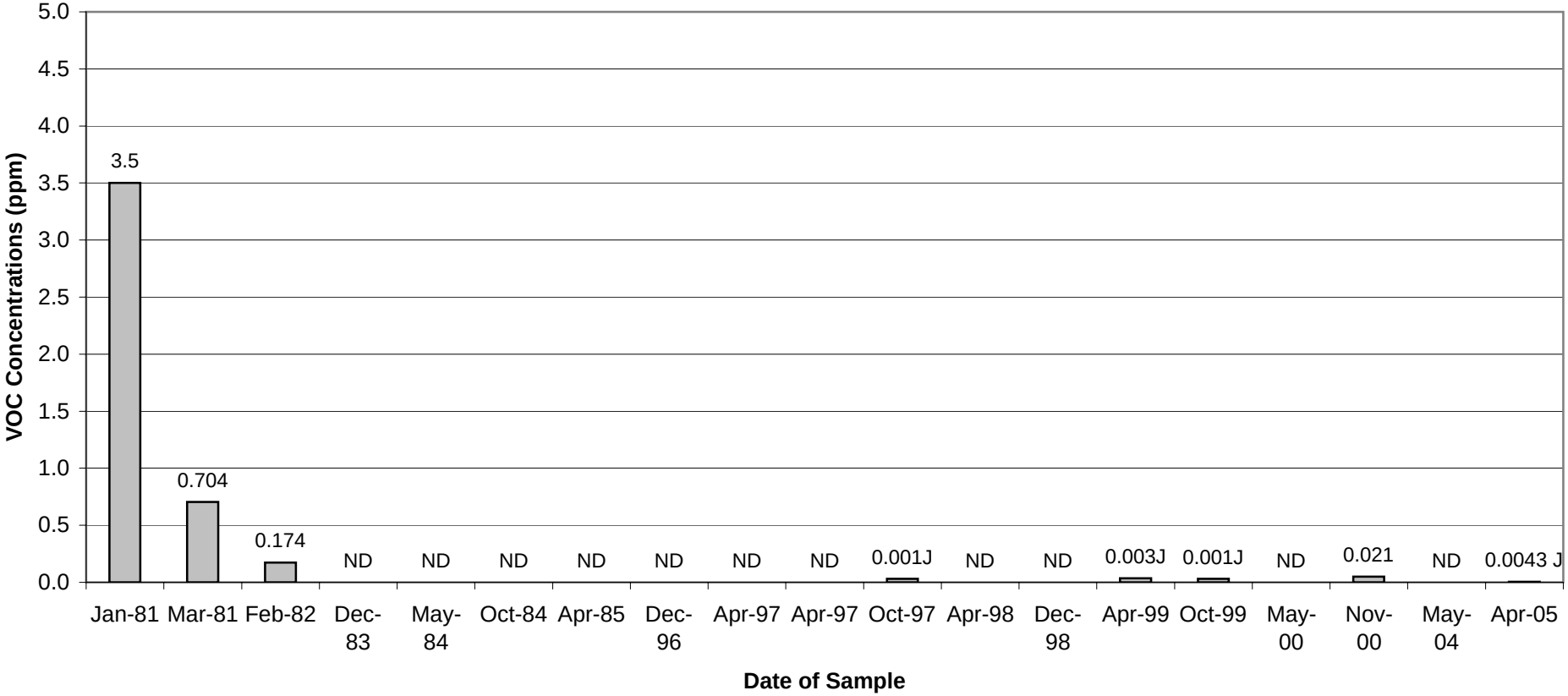
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 95A Historical Total VOC Concentrations



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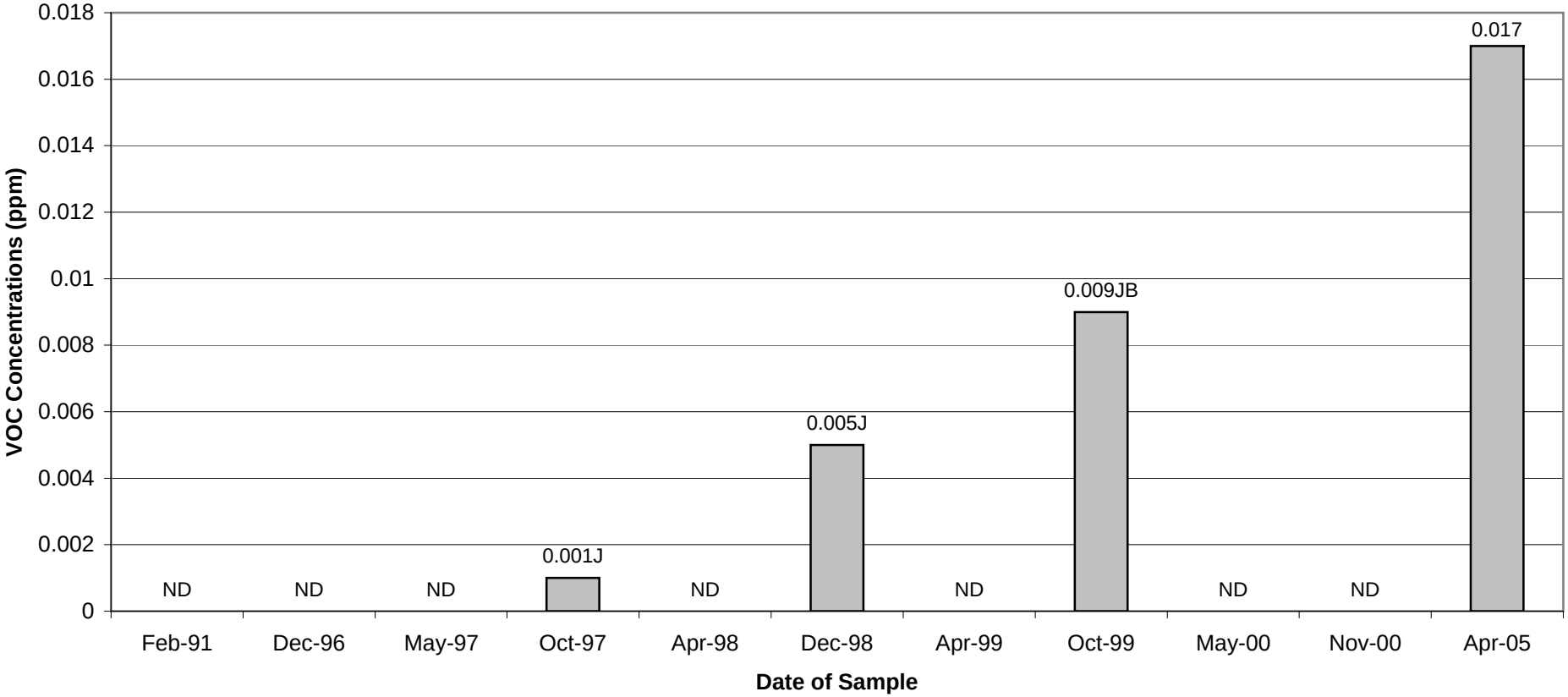
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 111A/111A-R Historical Total VOC Concentrations



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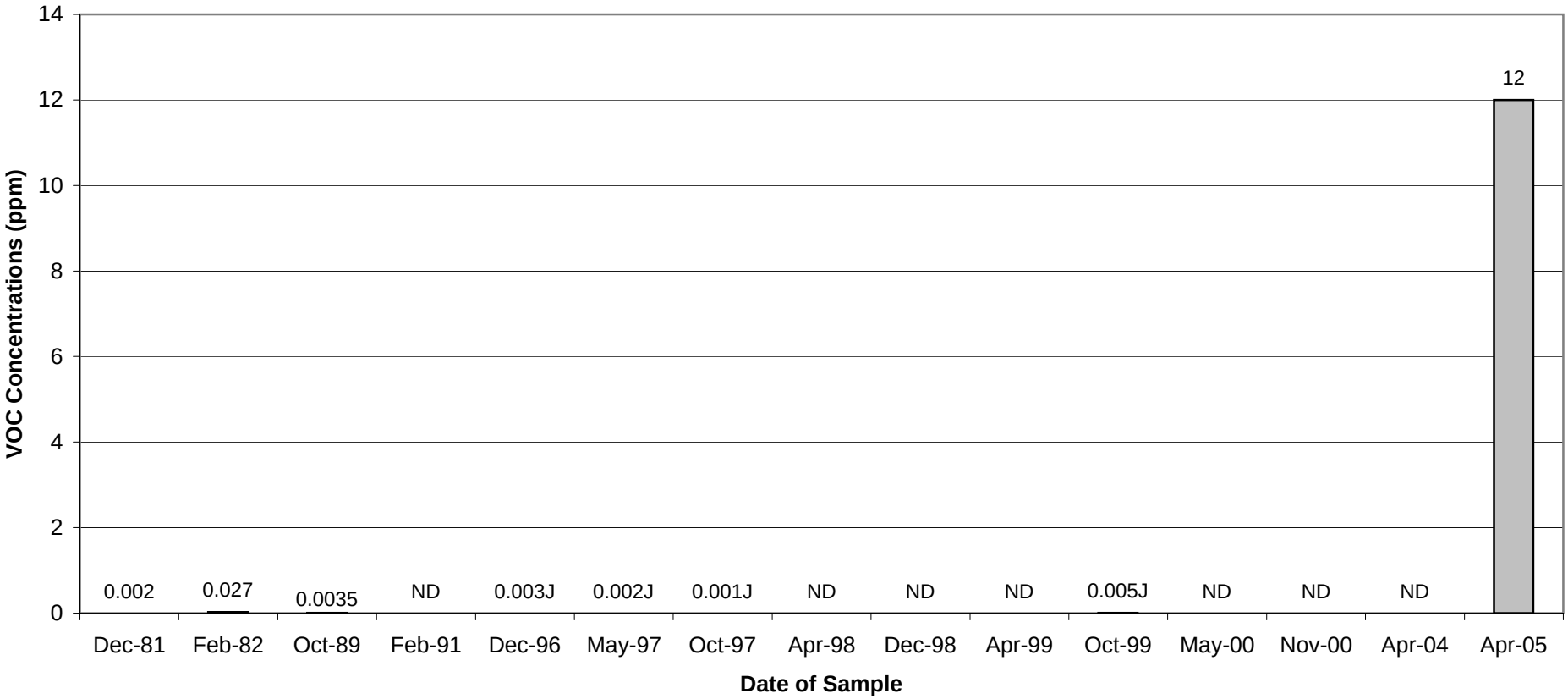
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 114A Historical Total VOC Concentrations



Historical Groundwater Data

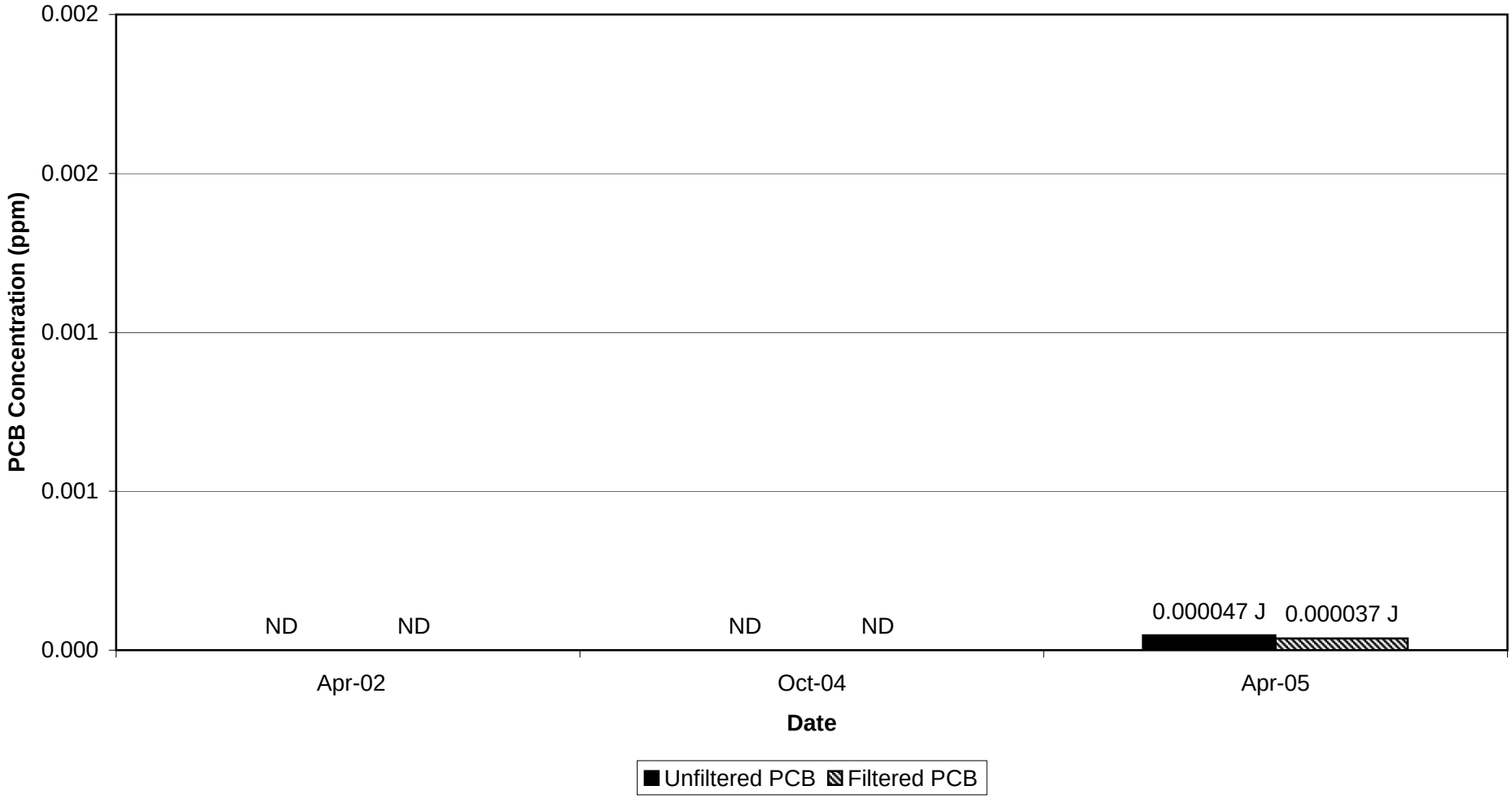
Total PCB Concentrations – Wells Sampled in Spring 2005

BBL
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 6B/6B-R Historical Total PCB Concentrations



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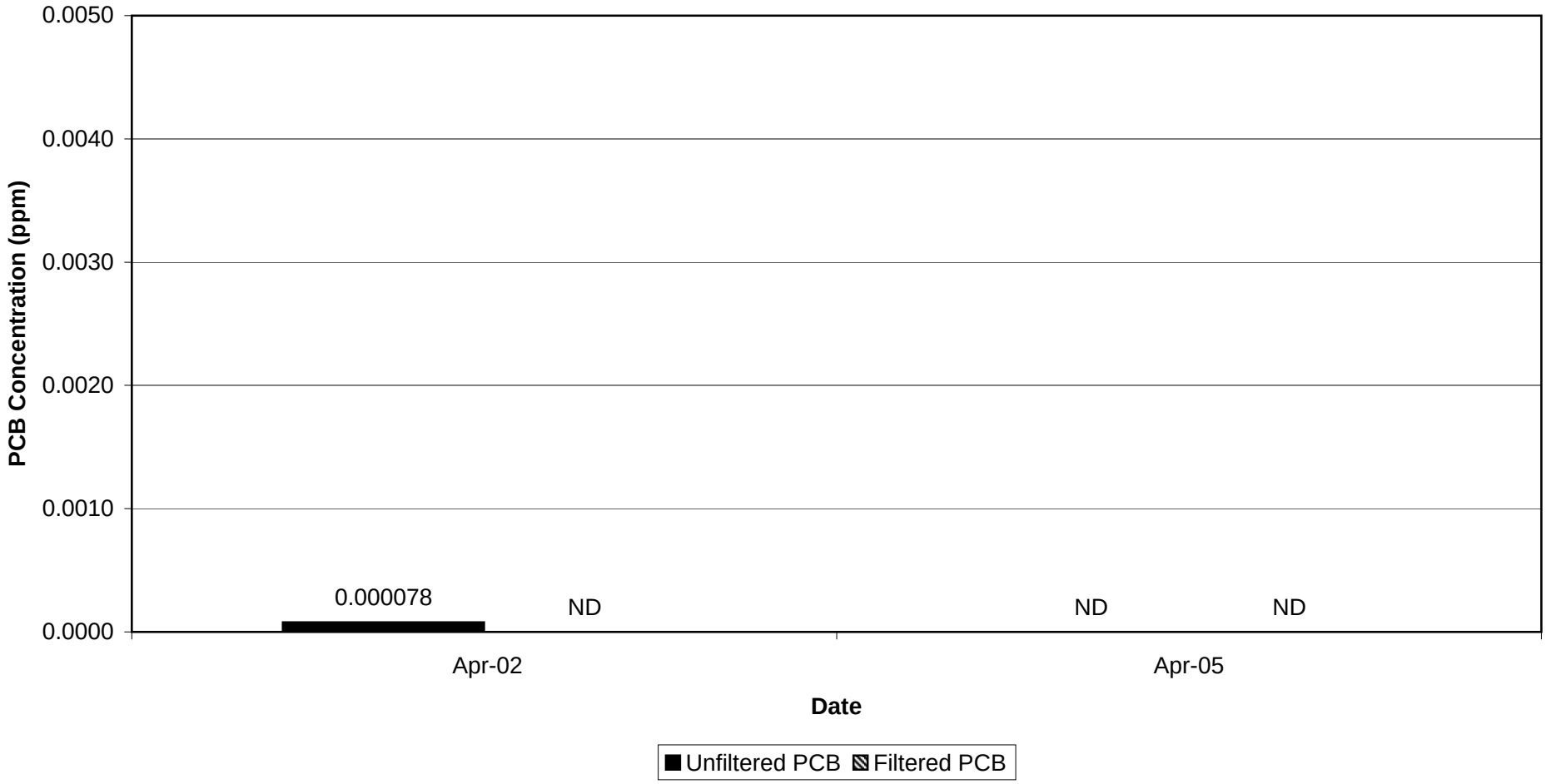
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 54B/54B-R Historical Total PCB Concentrations



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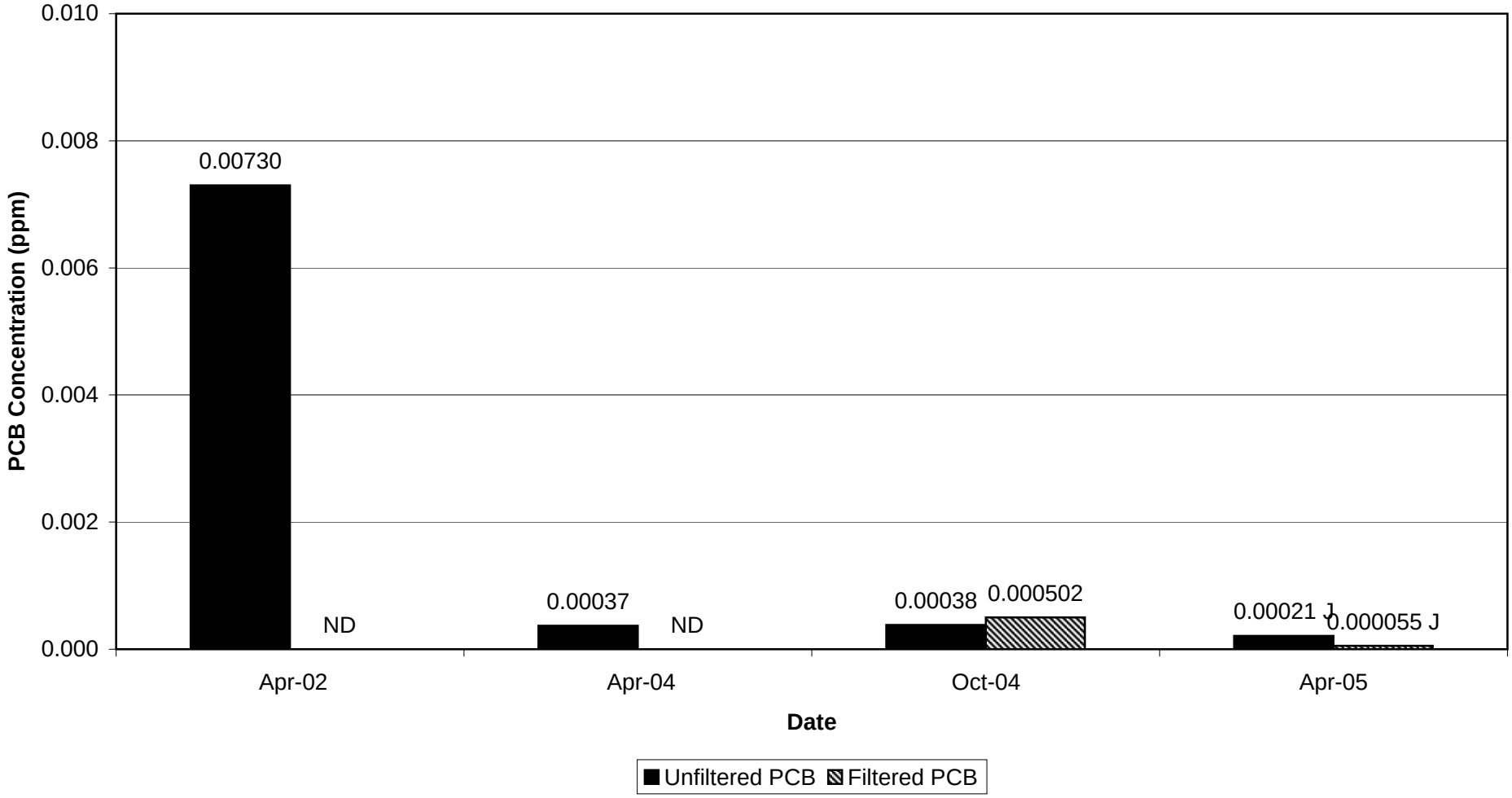
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 78B-R Historical Total PCB Concentrations



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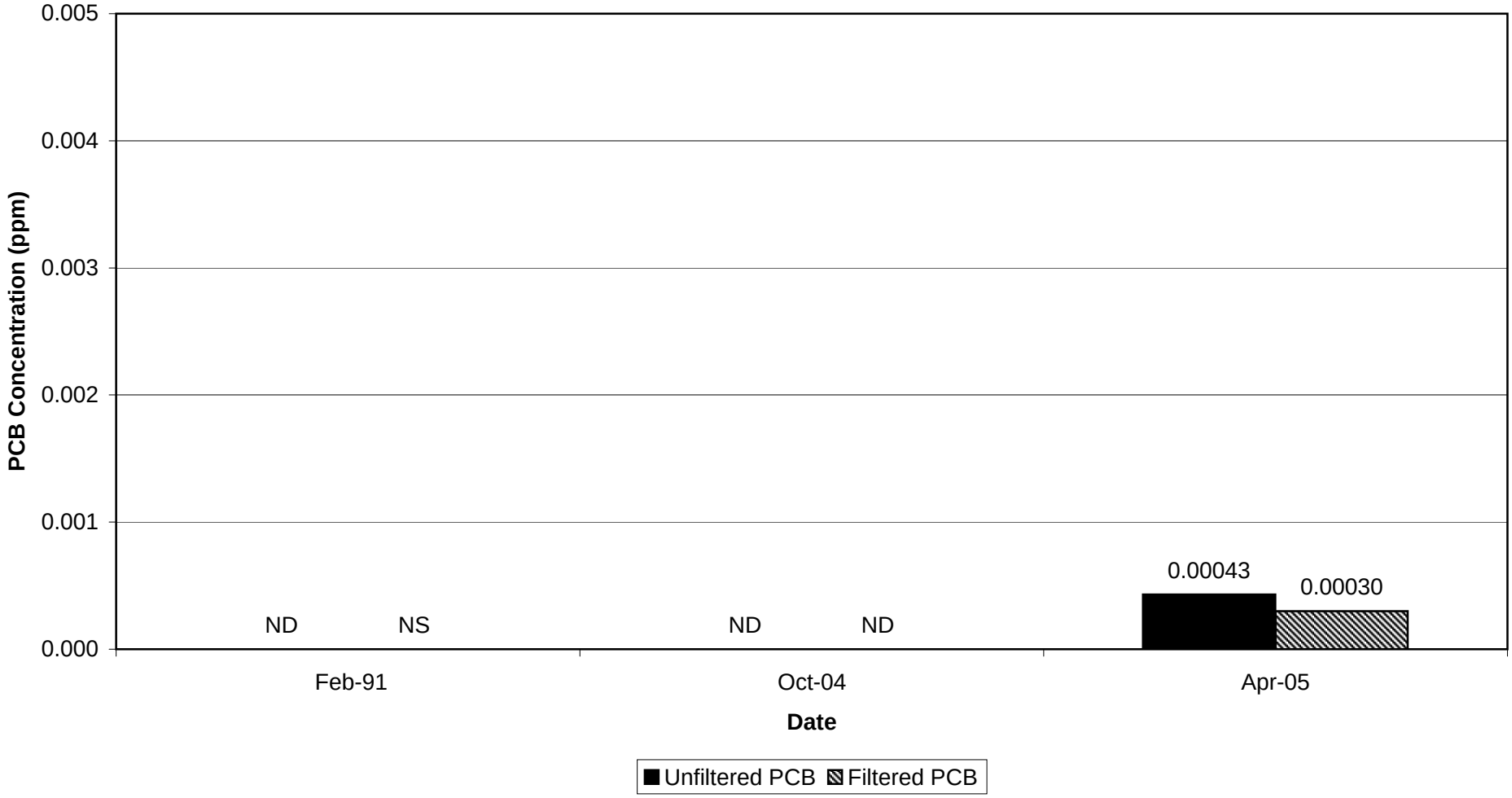
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 82B/82B-R Historical Total PCB Concentrations



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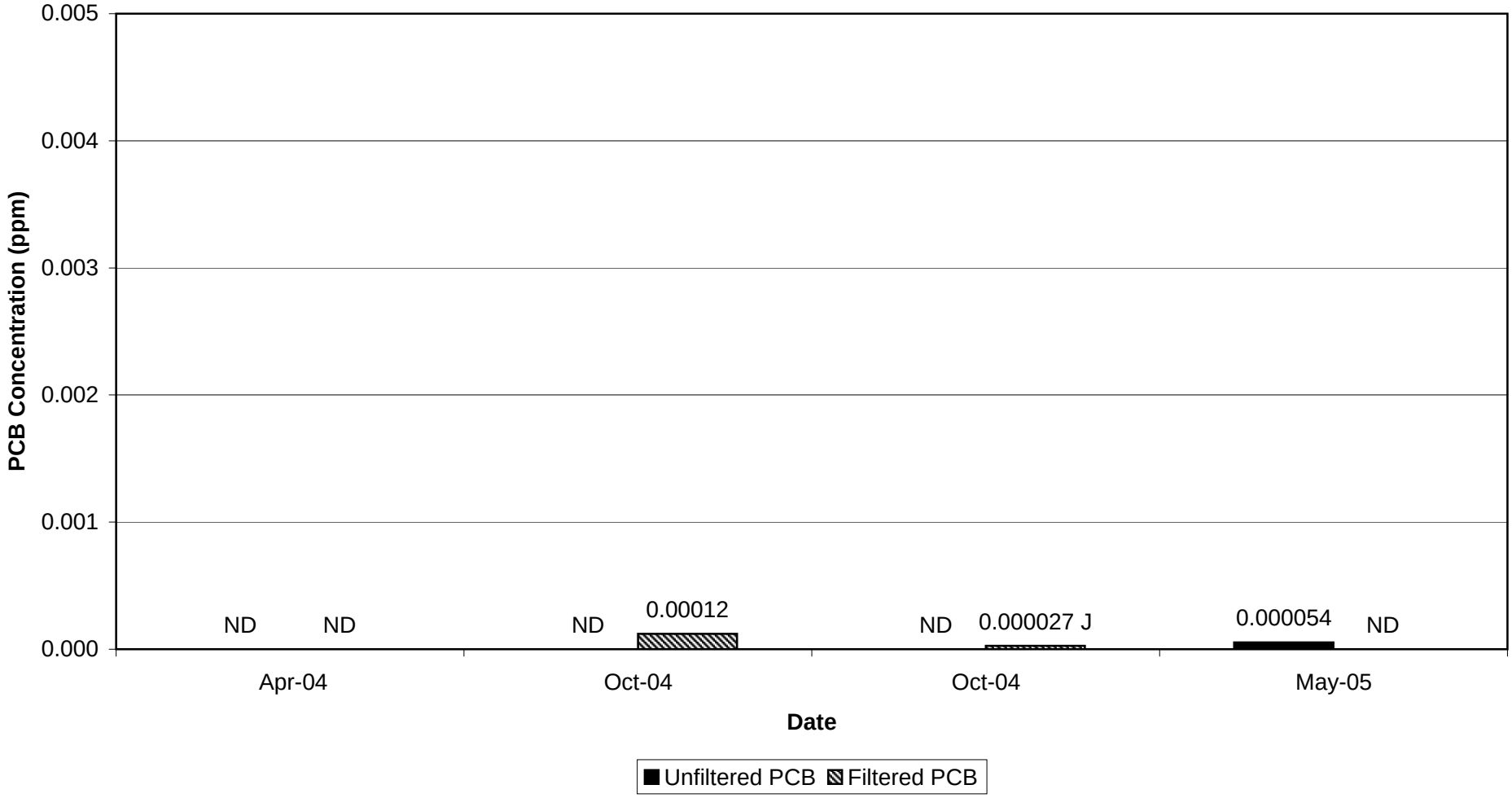
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 89B Historical Total PCB Concentrations



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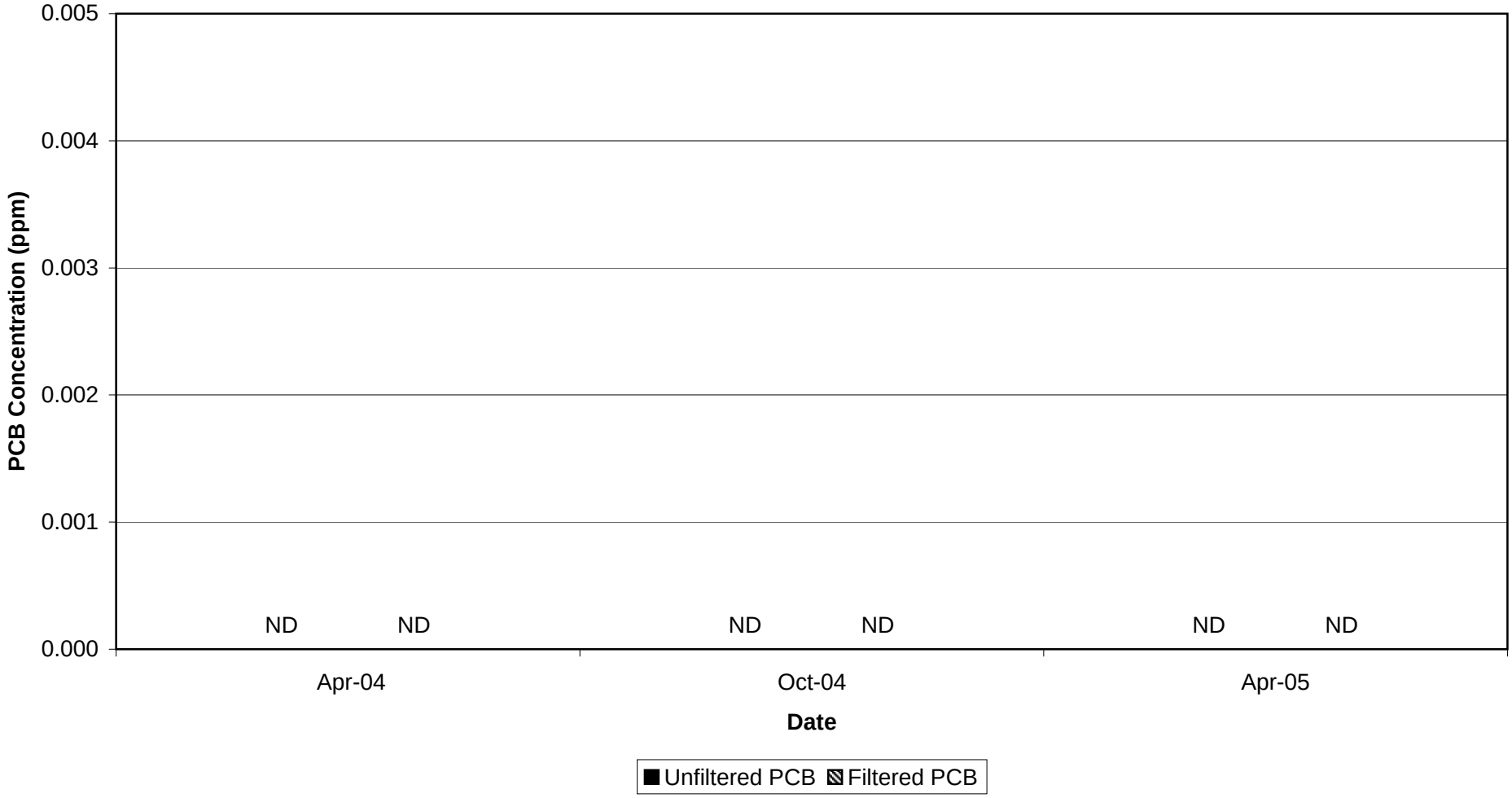
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 90B Historical Total PCB Concentrations



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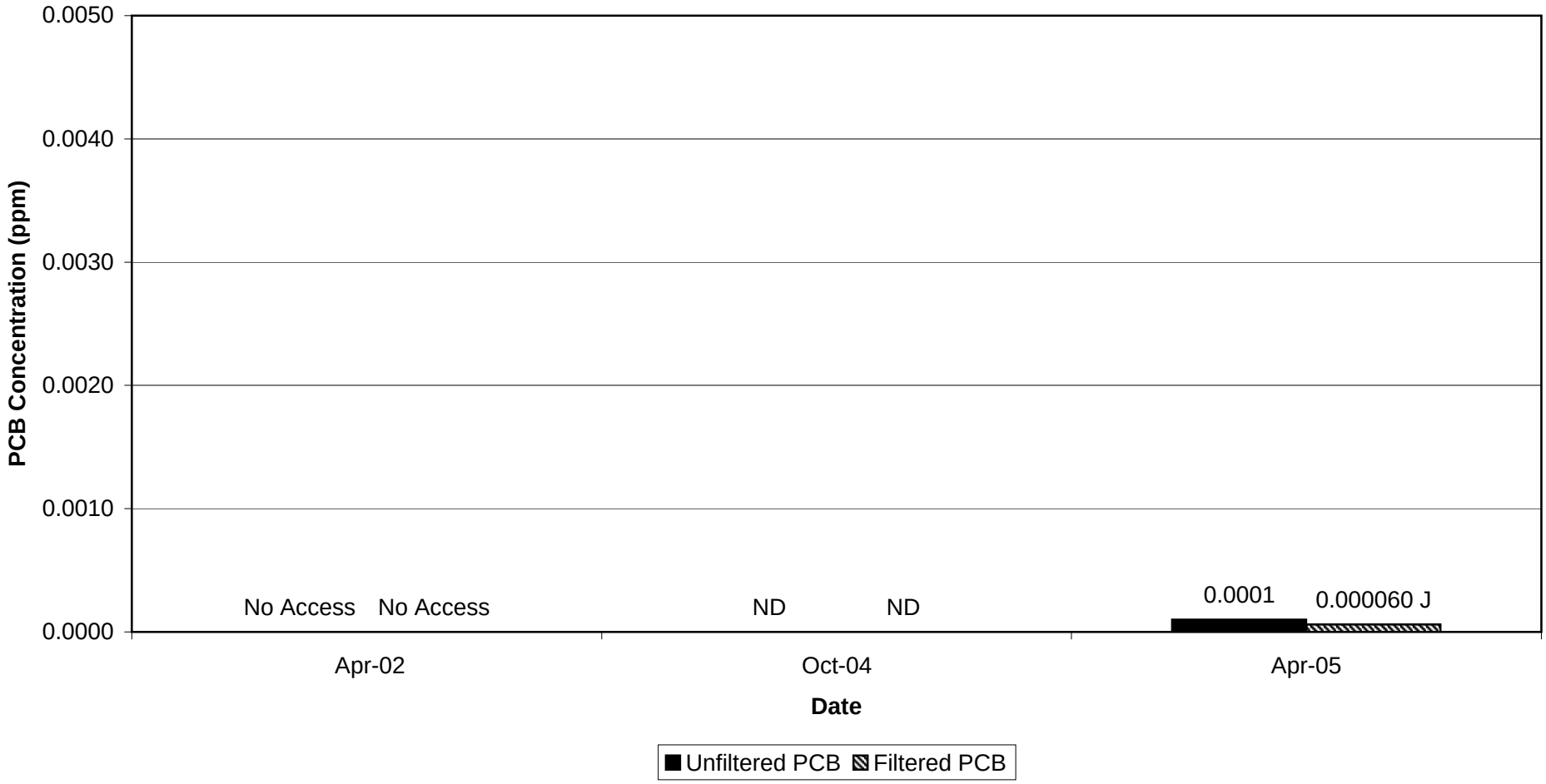
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 95B/95B-R Historical Total PCB Concentrations



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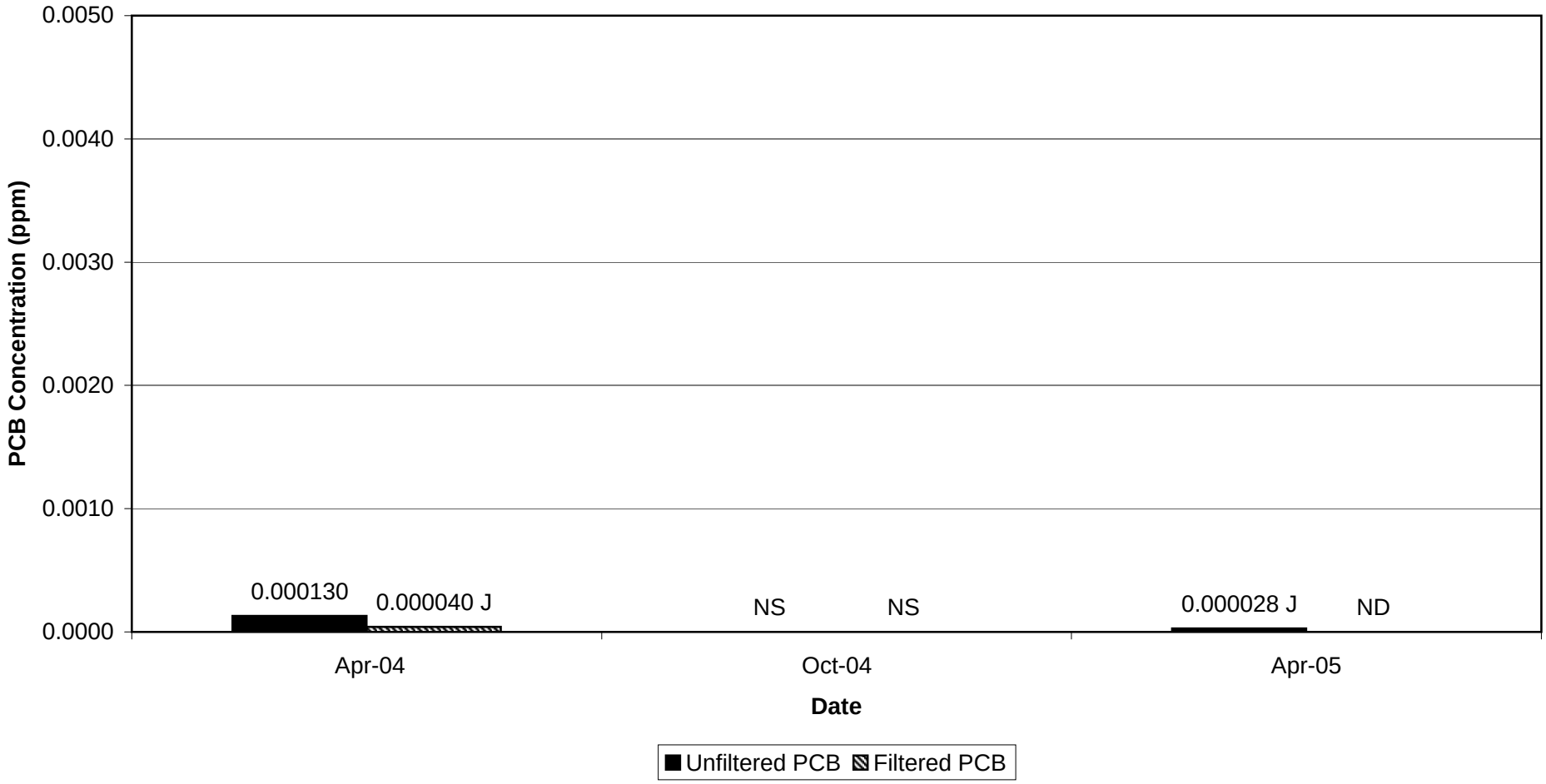
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 111B/111B-R Historical Total PCB Concentrations



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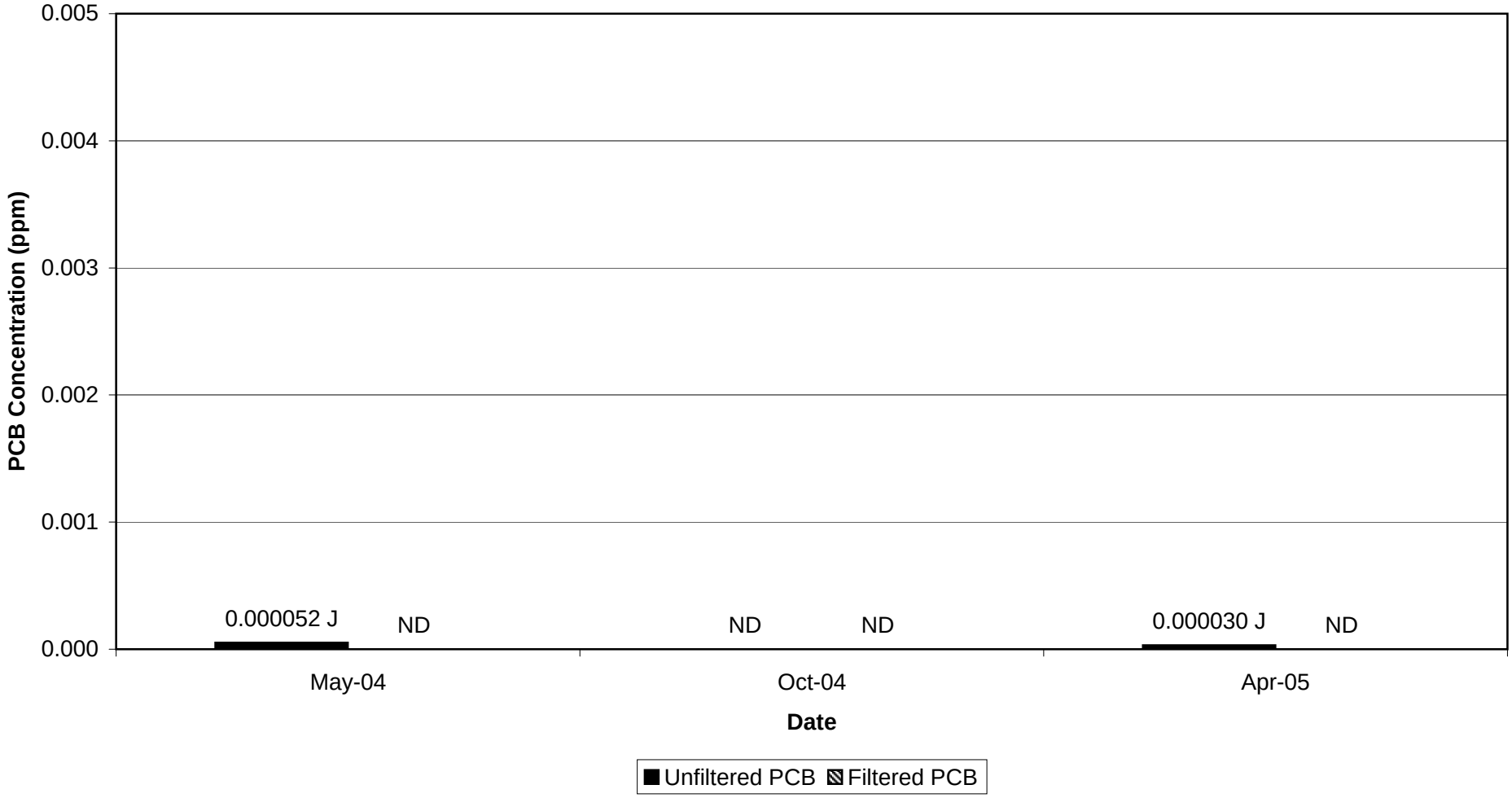
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114B-R Historical Total PCB Concentrations



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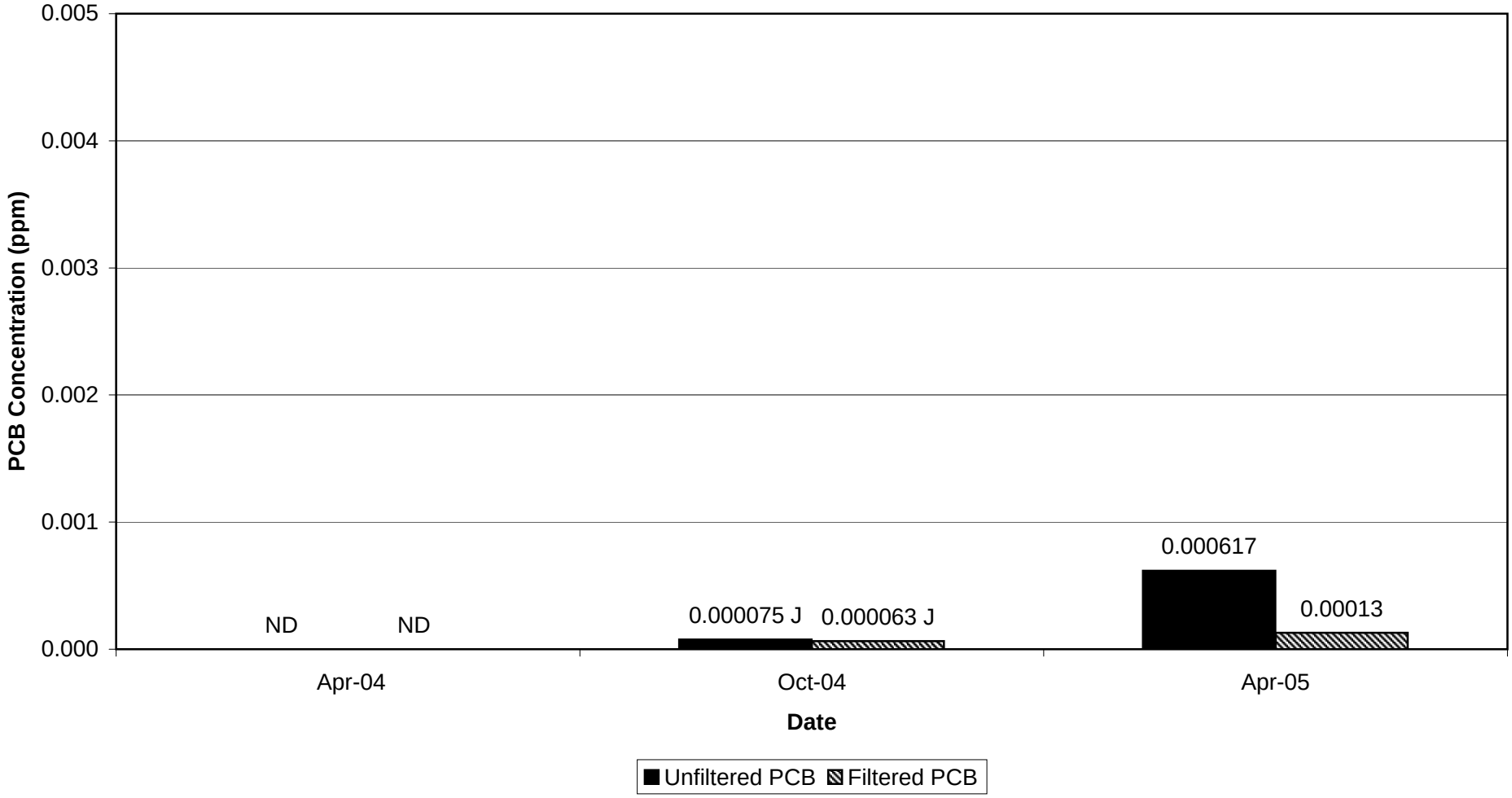
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-3 Historical Total PCB Concentrations



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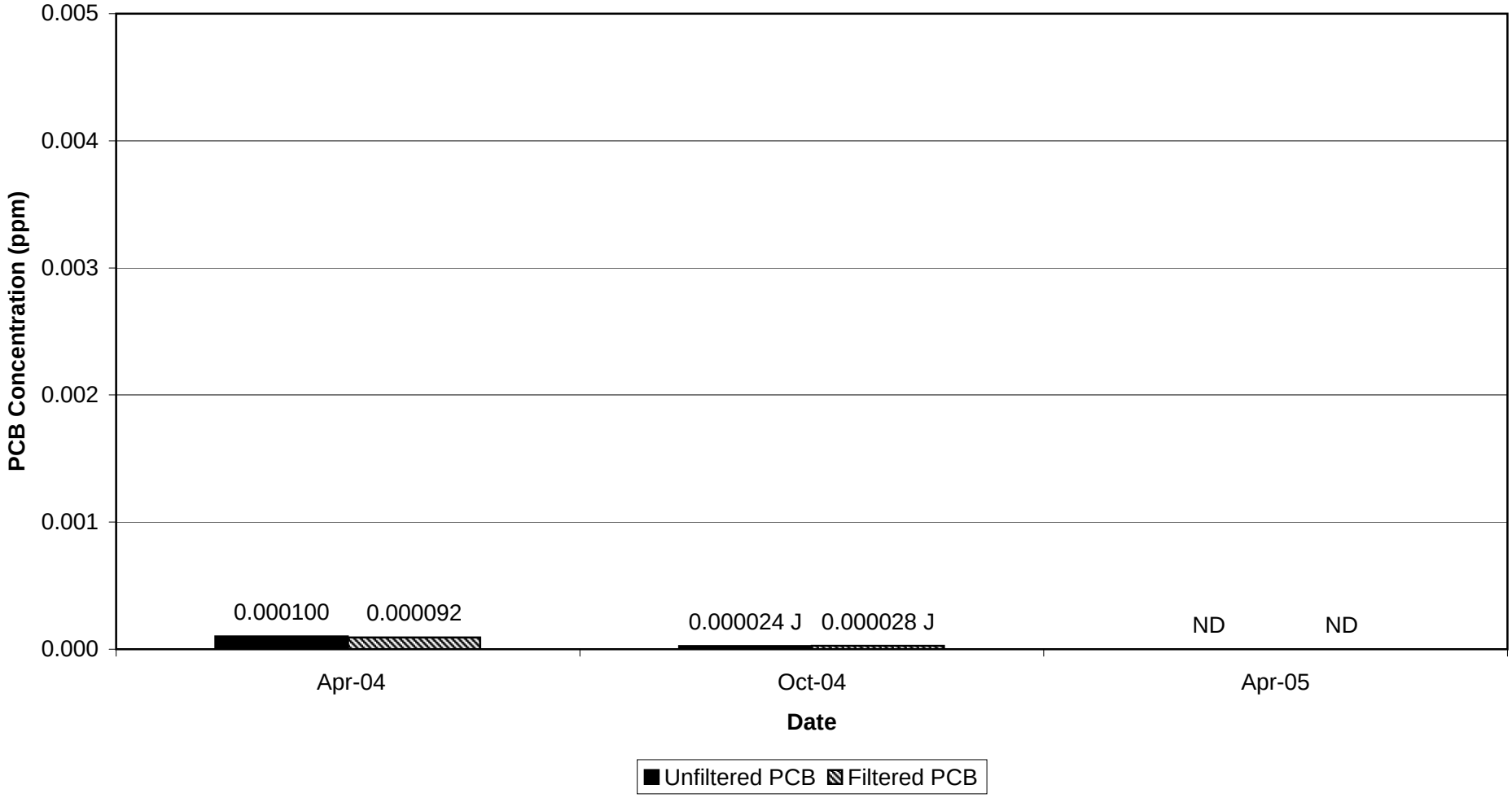
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-5 Historical Total PCB Concentrations



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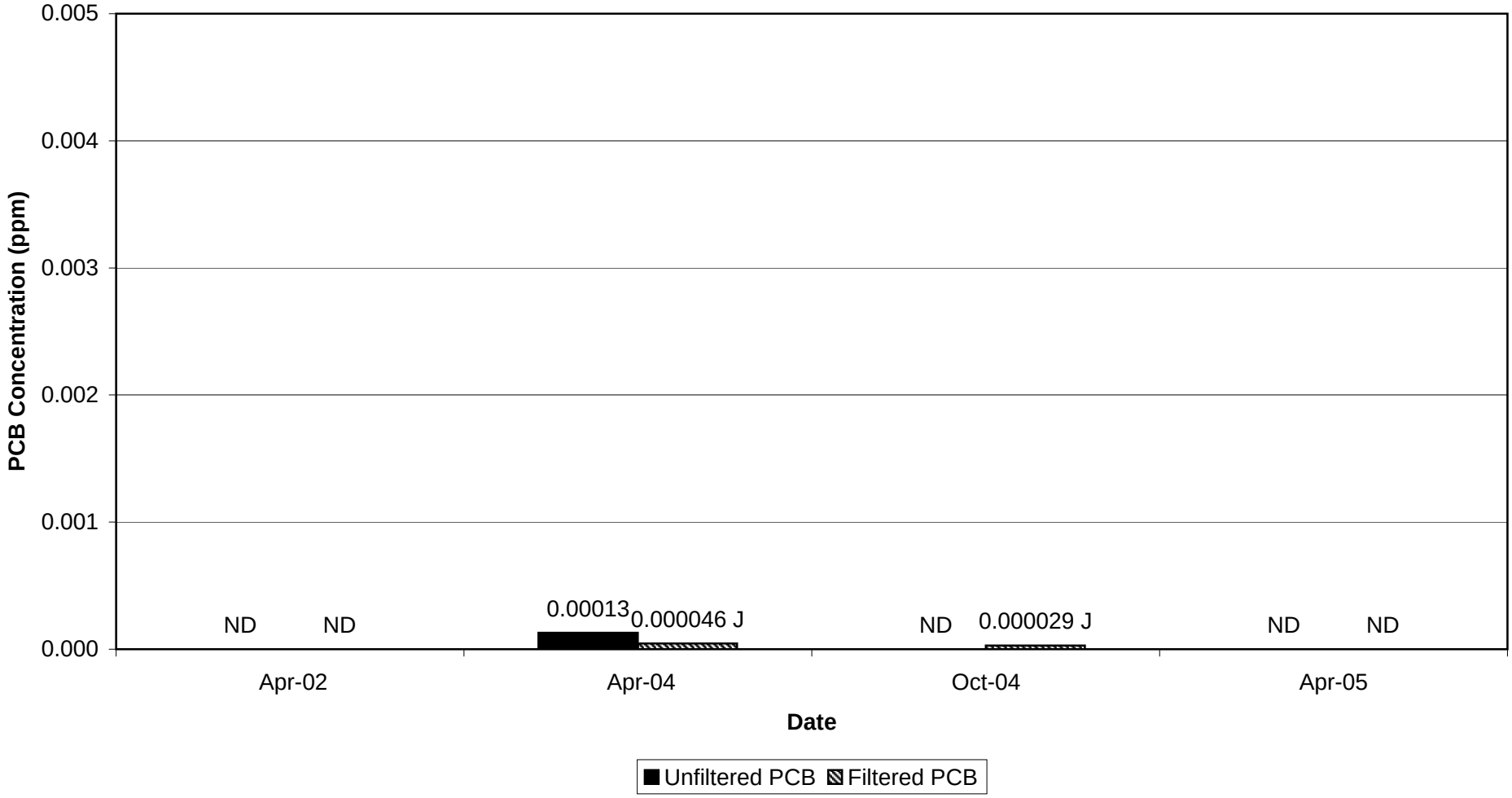
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-6 Historical Total PCB Concentrations



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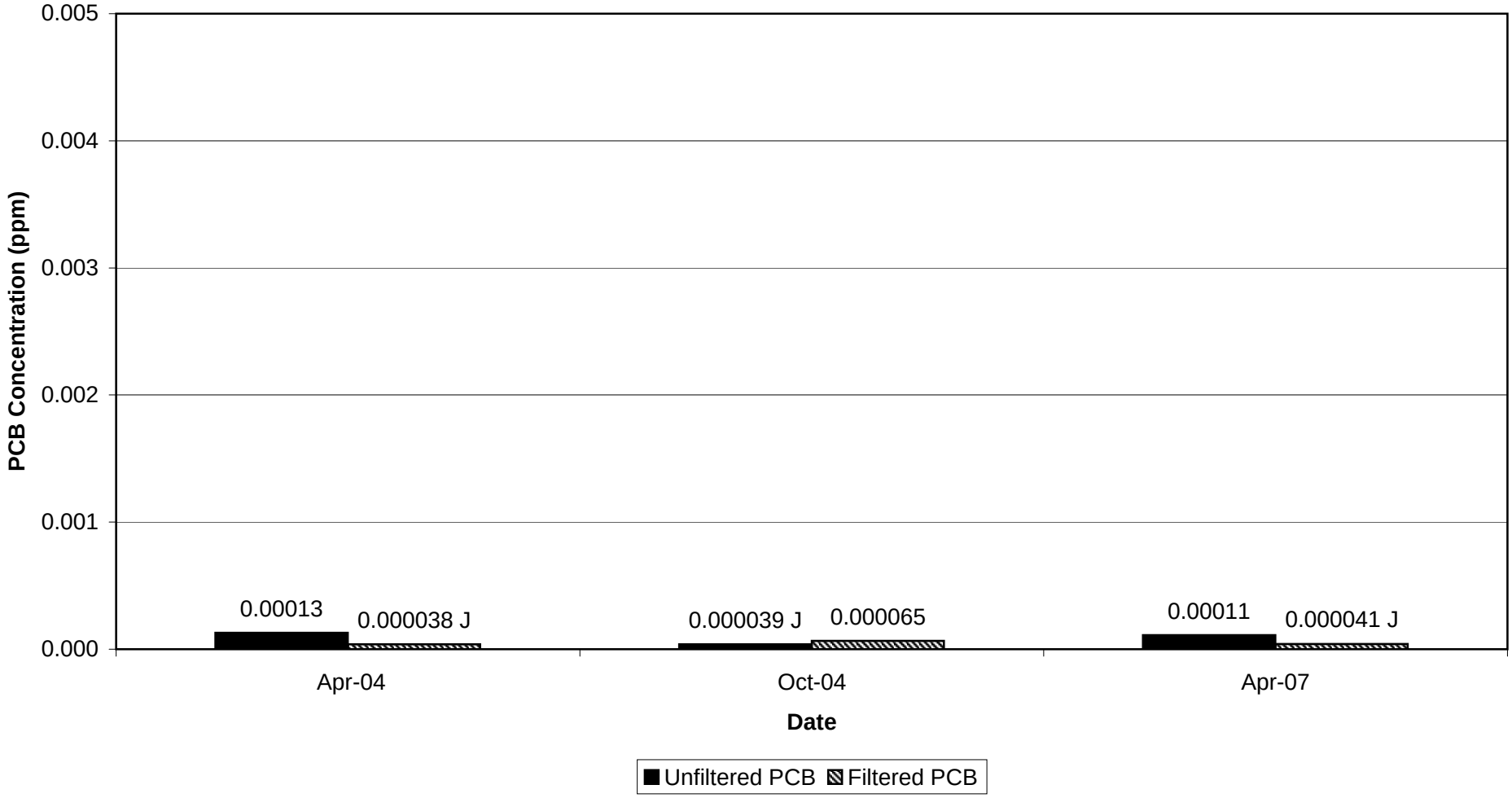
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-7 Historical Total PCB Concentrations



Historical Groundwater Data

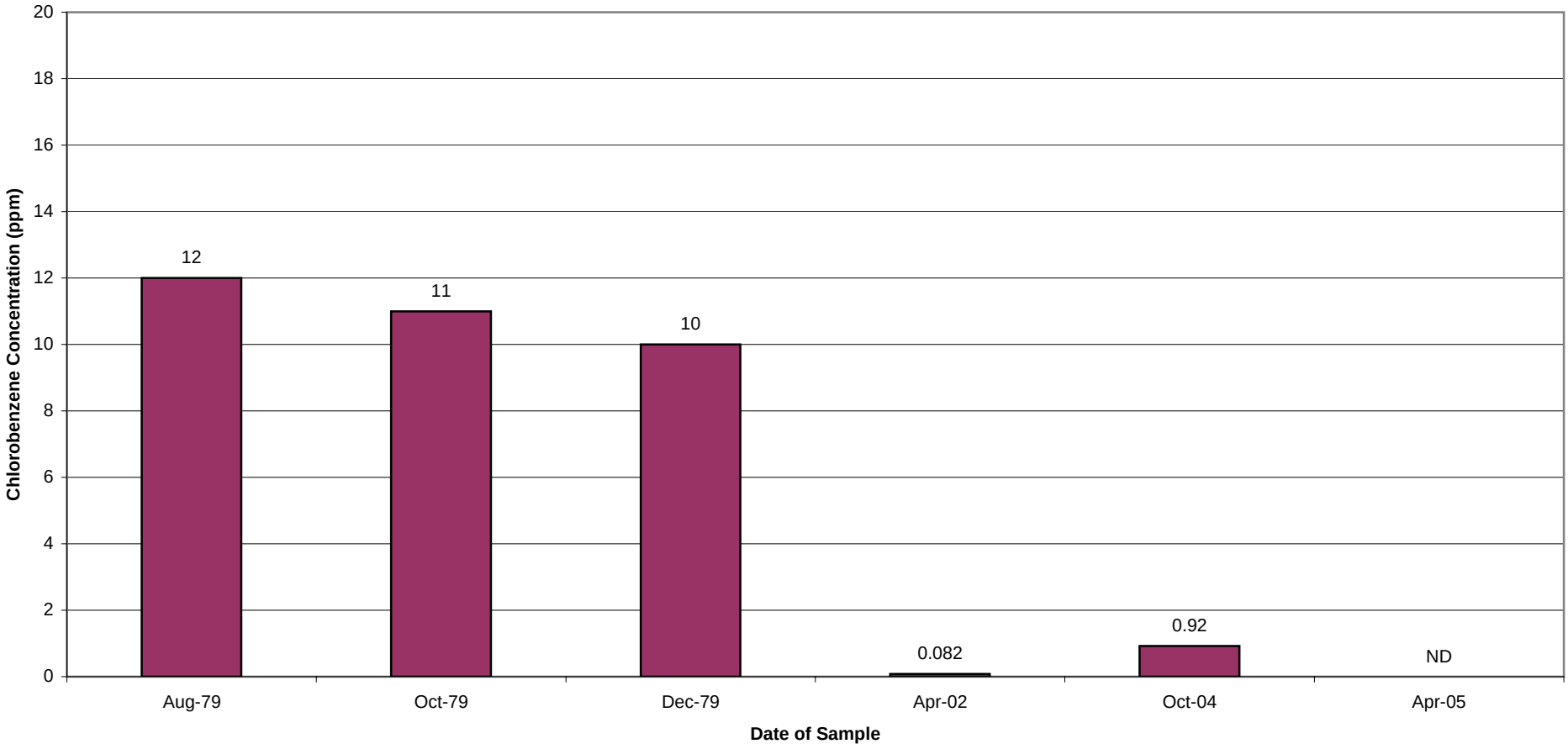
Chlorobenzene Concentrations – Select Wells Sampled in Spring 2005

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Appendix E

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 6B and 6B-R Historical Chlorobenzene Concentrations



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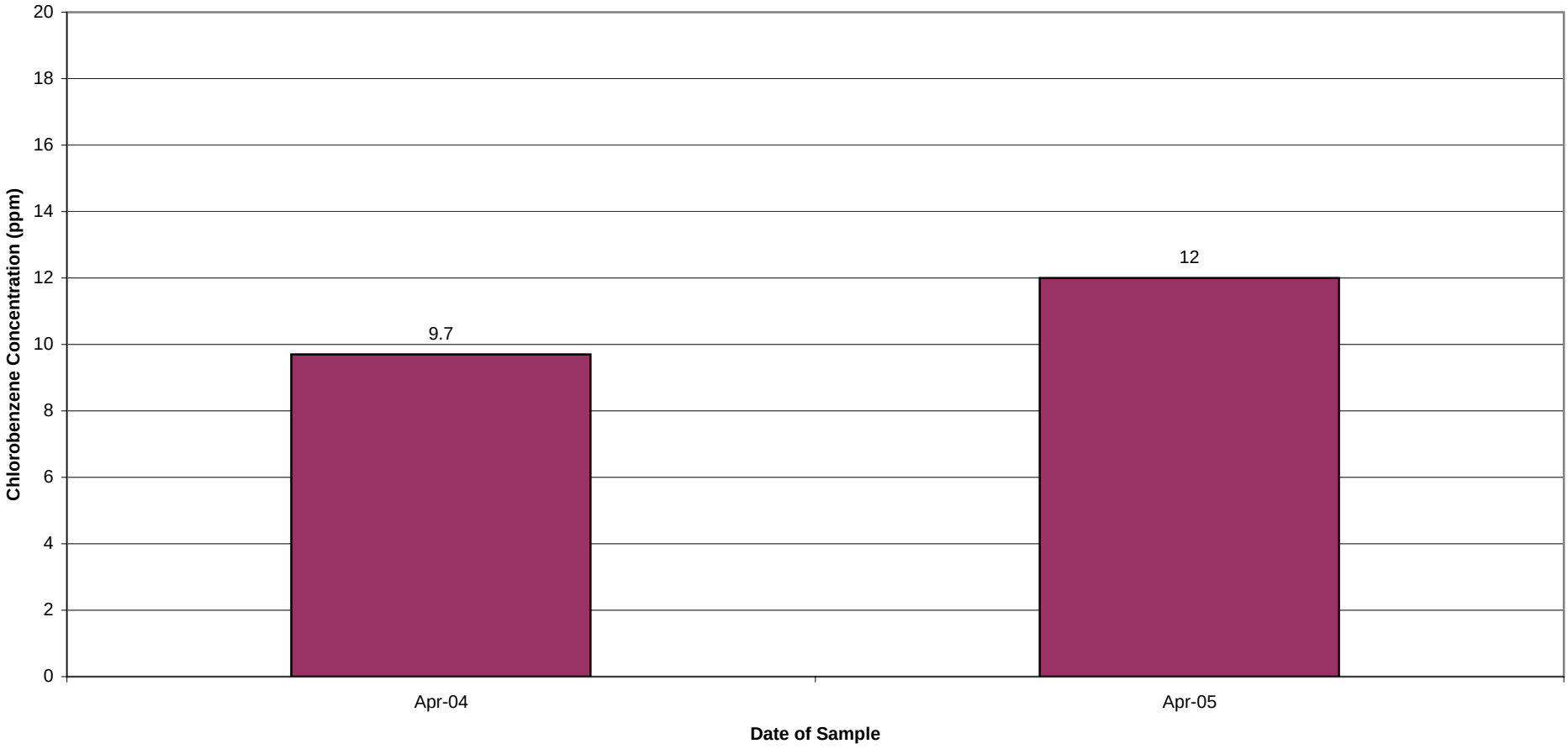
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 39B-R Historical Chlorobenzene Concentrations



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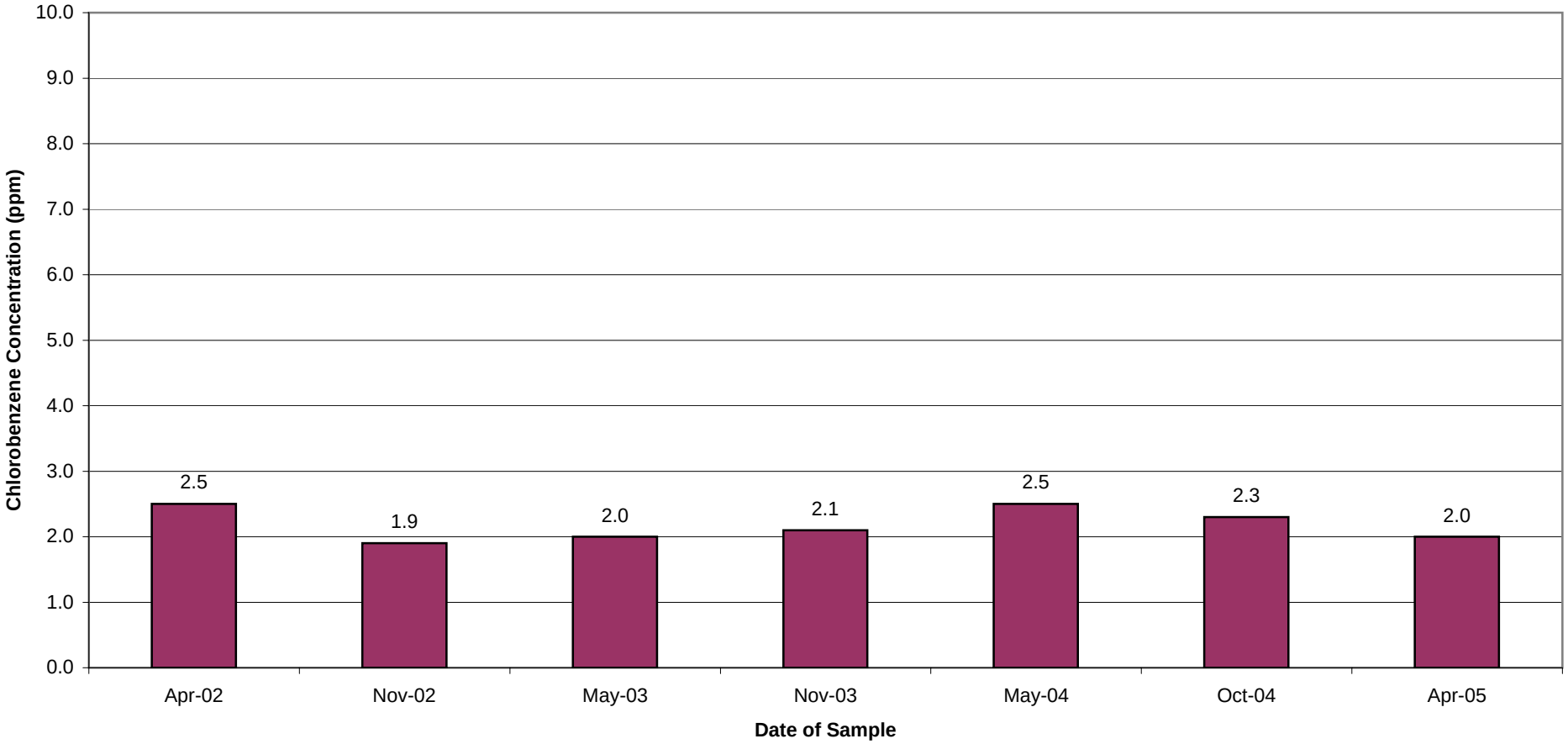
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 78B-R Historical Chlorobenzene Concentrations



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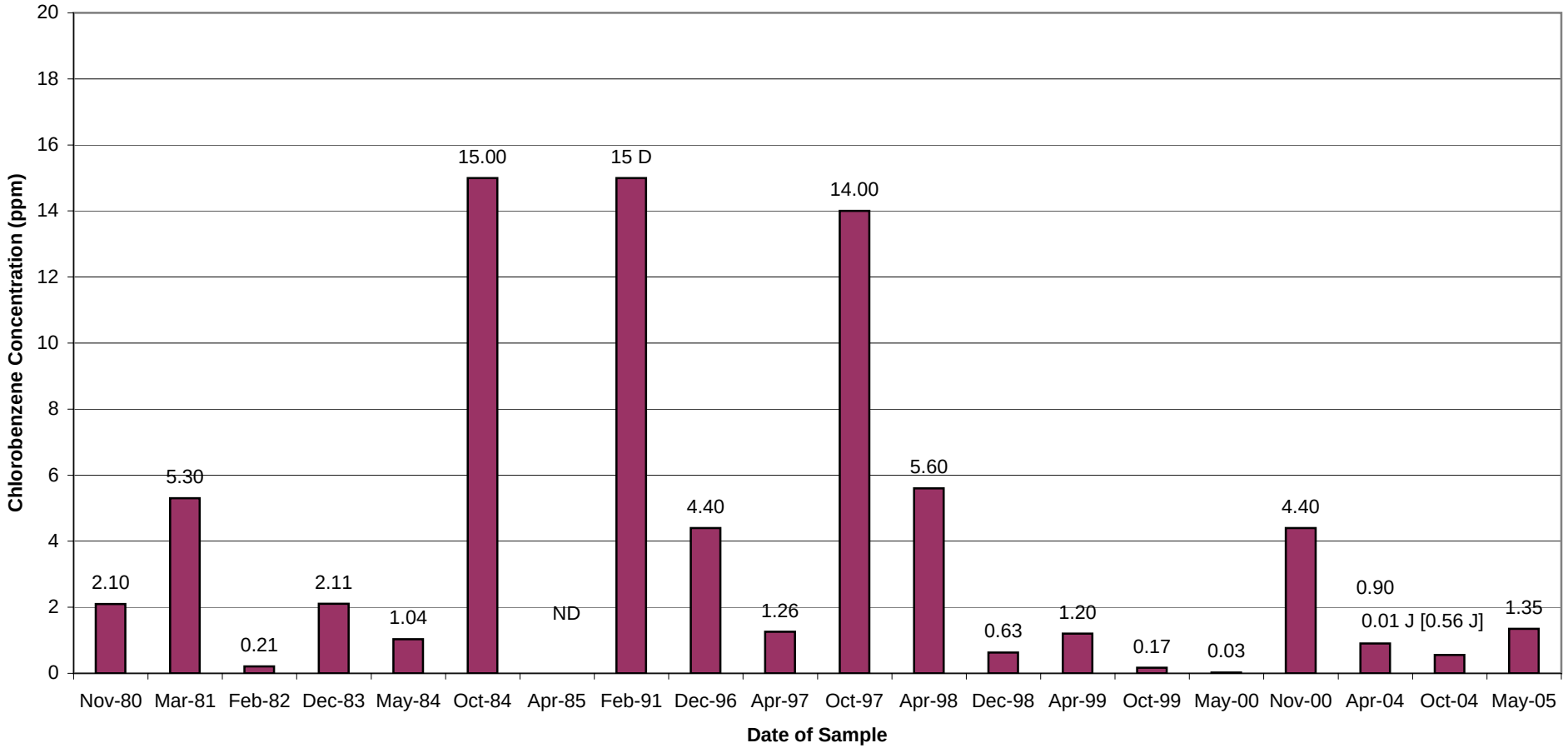
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 89B Historical Chlorobenzene Concentrations



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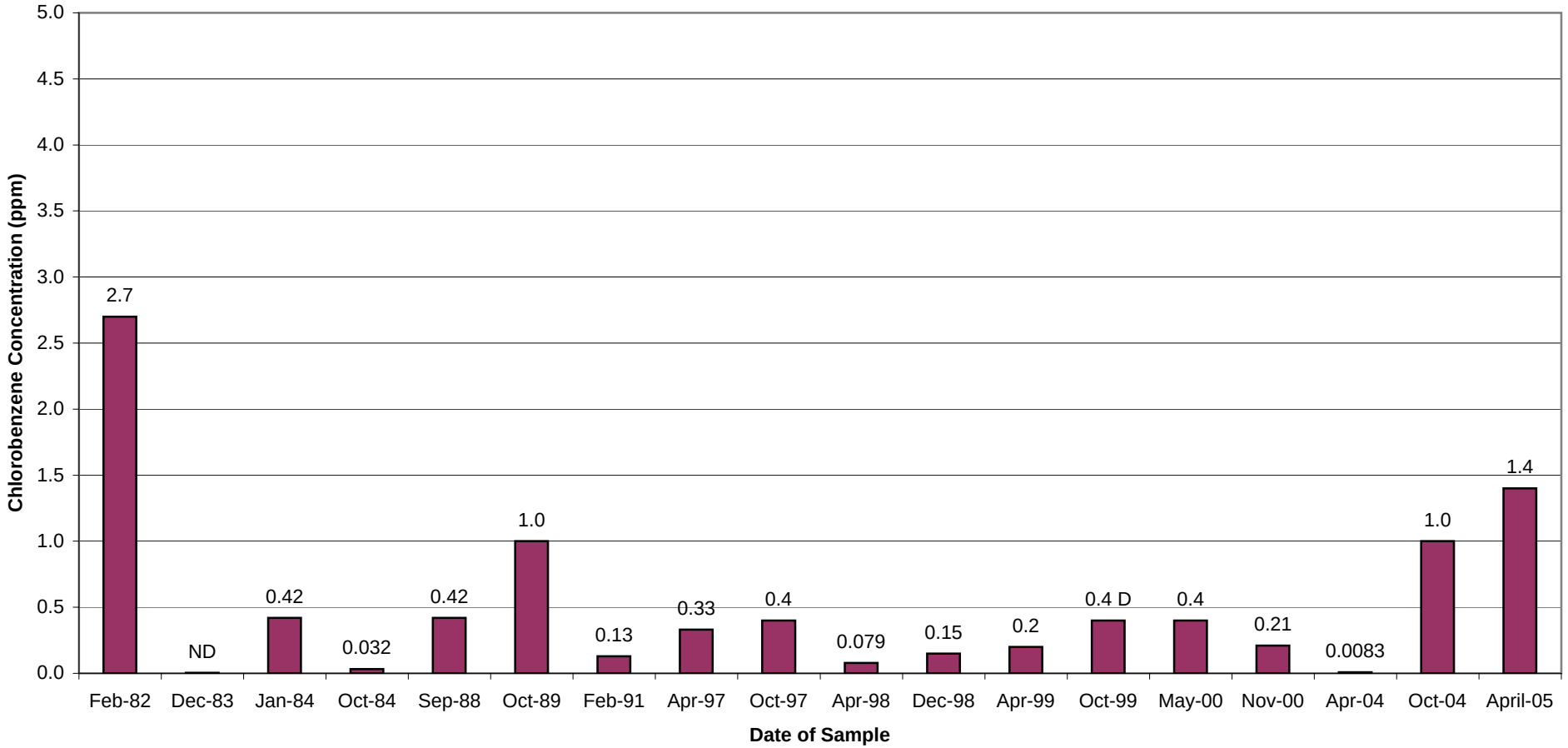
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114B and 114B-R Historical Chlorobenzene Concentrations



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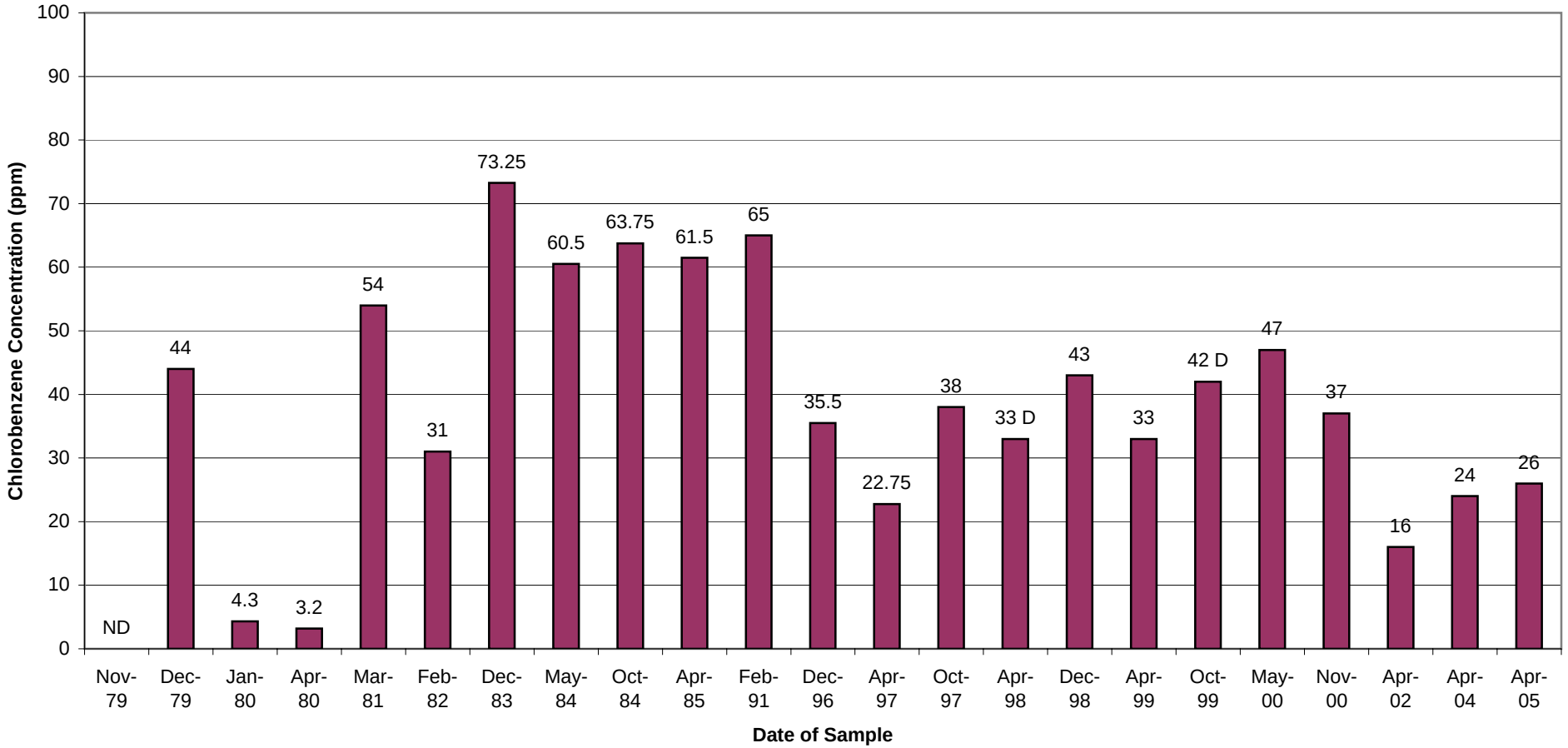
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 16A Historical Chlorobenzene Concentrations



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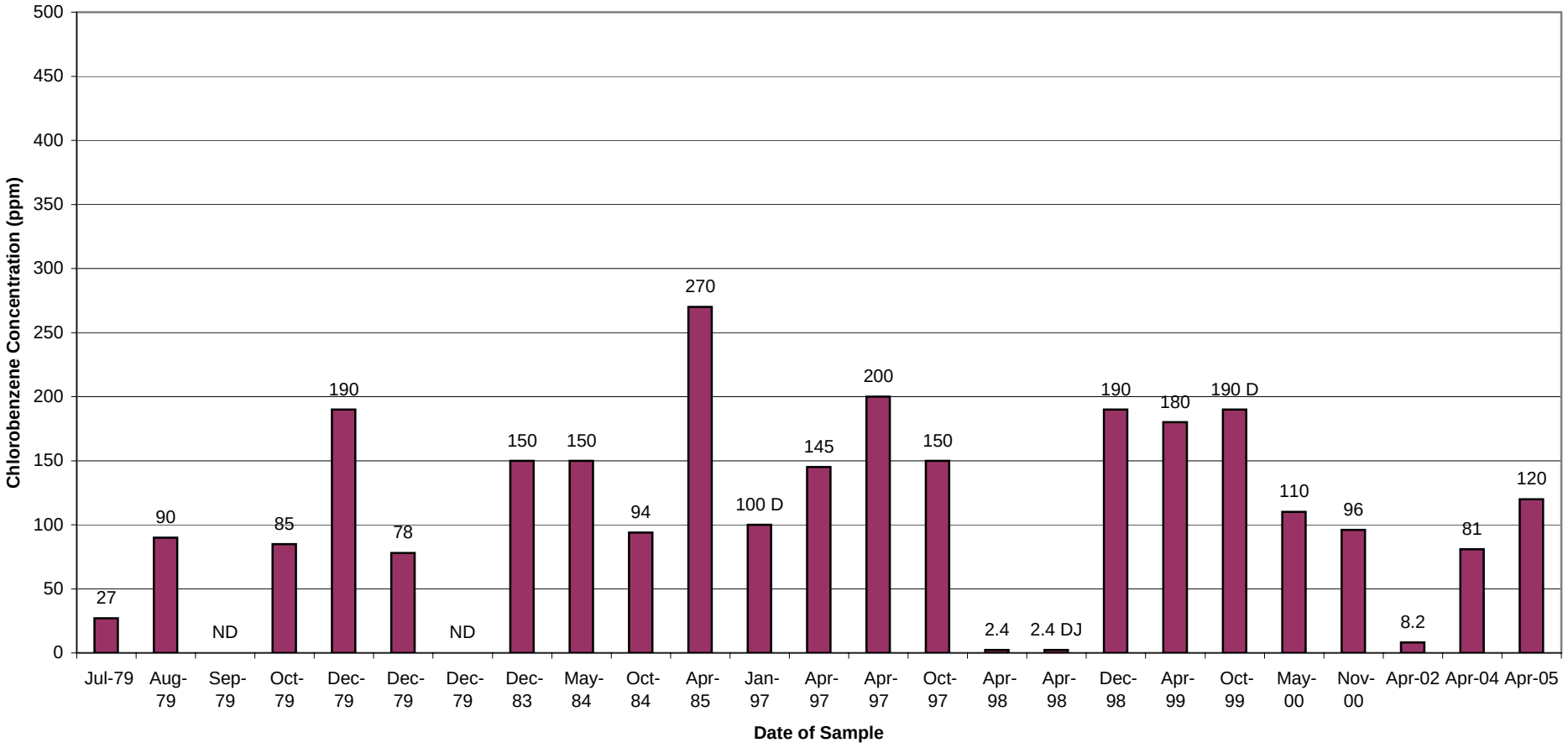
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 2A Historical Chlorobenzene Concentrations



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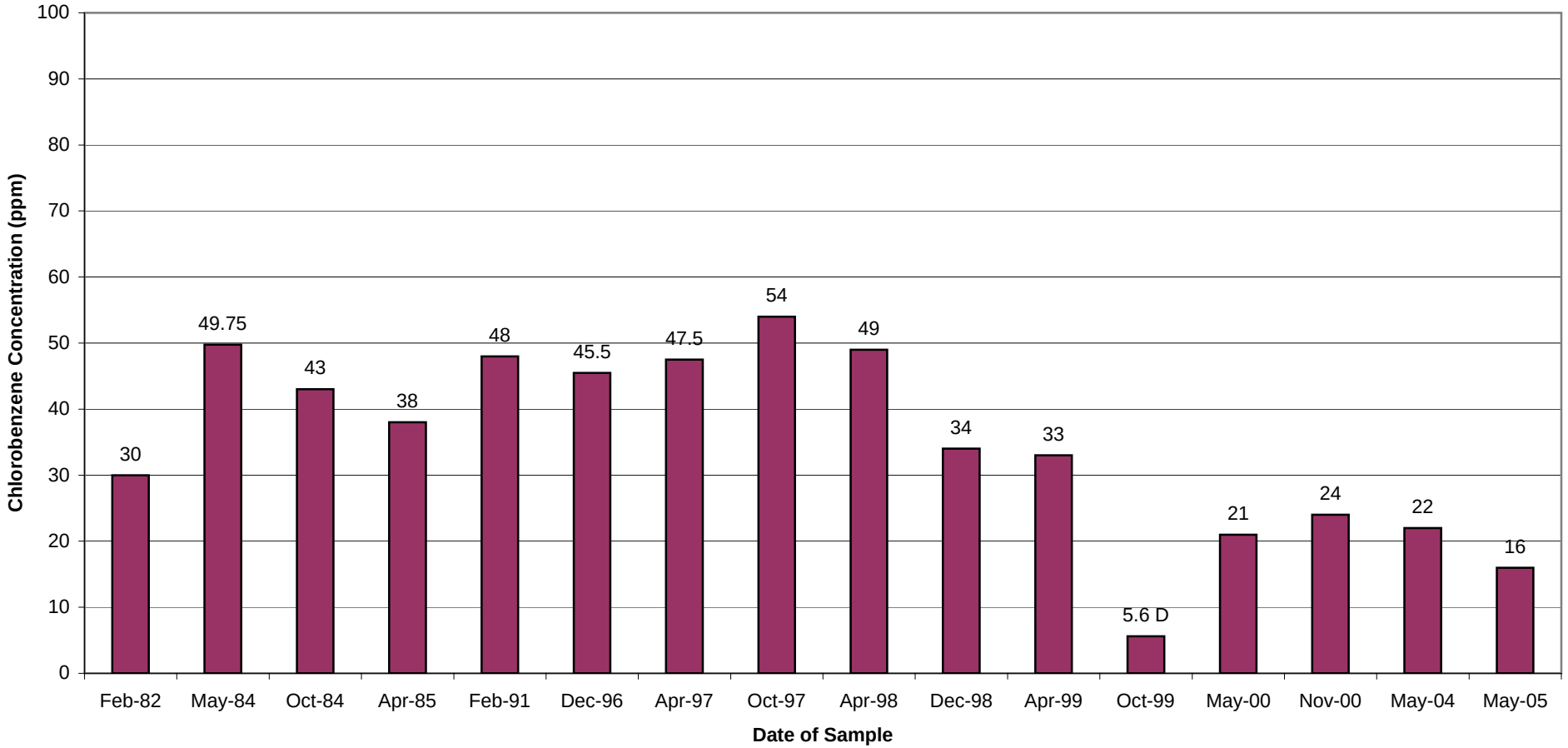
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 89A Historical Chlorobenzene Concentrations



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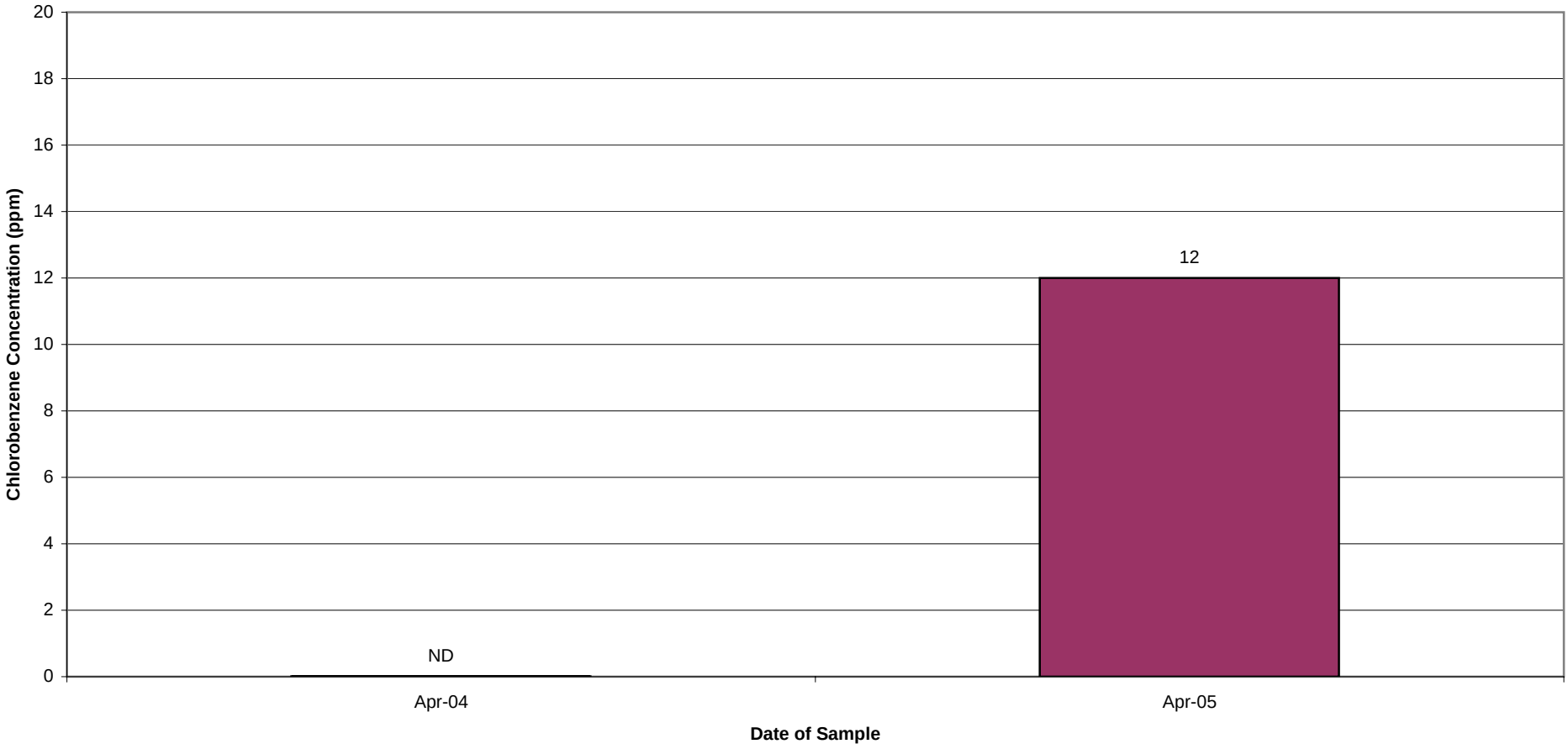
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114A Historical Chlorobenzene Concentrations



Historical Groundwater Data

Natural Attenuation Parameters

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TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	2A 01/09/97	2A 04/30/97	2A 12/22/98	2A 04/23/02	2A 04/12/04	2A 04/07/05	16A 12/13/96	16A 04/28/97
Selected Volatile Organics								
Benzene	34	45 [63]	43	4.4	21	27	20 [15]	13 [14] [8.1]
Chlorobenzene	100	140 [200]	190	8.2	81	120	41 [30]	36 D [33 D] [11]
Trichloroethene	11	13 [19]	11	0.47	8.4	12	ND(1.2) [ND(1.0)]	0.086 J [ND(0.042)] [ND(0.042)]
Vinyl Chloride	ND(2.0)	ND(12) [ND(12)]	ND(10)	ND(0.0050)	ND(5.0)	ND(5.0)	ND(2.5) [ND(2.0)]	0.150 J [0.14 J] [ND(0.83)]
Semivolatile Organics								
2-Chlorophenol	NA	NA	NA	NA	ND(0.010)	ND(0.010)	NA	NA
4-Chlorophenol	NA	NA	2.1	NA	ND(0.010)	1.8	NA	NA
Natural Attenuation Parameters								
Alkalinity (Total)	240	240	254	140	190	180	420	424
Chloride	42.8	36.1	28.5	40	16	10	2410	3330
Dissolved Iron	NA	NA	ND(0.100)	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA	NA
Dissolved Organic Carbon	3.9	3.5	1.6	11.0	3.10	0.750 B	35	35.1
Ethane	ND(0.005)	ND(0.005)	ND(0.005)	0.017	0.0045	ND(0.004)	ND(0.005)	ND(0.005)
Ethene	ND(0.005)	ND(0.005)	ND(0.005)	0.30	0.017	ND(0.003)	0.13	0.260
Methane	ND(0.005)	ND(0.005)	ND(0.005)	0.0450	0.0110	ND(0.002)	0.73	1.500
Nitrate Nitrogen	NA	NA	NA	0.0490 B	0.0170 B	0.038 B	NA	NA
Nitrite Nitrogen	NA	NA	NA	0.00300 B	0.0440 B	0.082	NA	NA
Total Nitrate/Nitrite Nitrogen	NA	NA	1.3	0.052 B	0.0610 B	0.120	NA	NA
Sulfate (turbidimetric)	47.6	47.2	37.6	30.0	26.0	21	2.2	ND(2.00)

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	16A 12/14/98	16A 04/26/02	16A 04/14/04	16A 04/08/05	16B 12/13/96	16B 04/28/97	16B-R 04/26/02	16B-R 04/15/04	16B-R 04/08/05
Selected Volatile Organics									
Benzene	19	7.5	13	13	0.004 J	0.011 [0.014]	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0033 J
Chlorobenzene	43	16	24	26	0.005 J	0.010 [0.016]	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.015
Trichloroethene	ND(3.3)	ND(0.010)	ND(0.50)	ND(1.0)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(3.3)	0.16	ND(0.50)	ND(1.0)	ND(0.01)	ND(0.01) [ND(0.01)]	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Semivolatile Organics									
2-Chlorophenol	NA	NA	0.027	0.035	NA	NA	NA	NA	NA
4-Chlorophenol	NA	NA	ND(0.010)	0.60	NA	NA	NA	NA	NA
Natural Attenuation Parameters									
Alkalinity (Total)	474	490	470	460	243	263	480 [480]	510	440
Chloride	2430	1700	1900	1300	53.2	63.1	290 [280]	270	160
Dissolved Iron	1.00	1.30	0.640	0.940	NA	NA	0.360 [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Dissolved Organic Carbon	37.2	59.0	38.0	28.0	7	7.9	11.0 [15.0]	11.0	5.70
Ethane	ND(0.005)	ND(0.050)	ND(0.020)	ND(0.0040)	ND(0.030)	ND(0.100)	ND(0.10) [ND(0.20)]	ND(0.020)	ND(0.0040)
Ethene	ND(0.25)	0.15	0.23	ND(0.0030)	ND(0.005)	ND(0.005)	ND(0.10) [ND(0.20)]	ND(0.015)	0.12
Methane	1.10	1.40	1.30	0.330	2.8	16.0	2.70 [2.70]	0.740	0.690
Nitrate Nitrogen	NA	0.0140 B	0.0170 B	0.00950 B	NA	NA	0.0270 B [0.0320 B]	0.100	0.0560
Nitrite Nitrogen	NA	ND(0.0500)	ND(0.0500)	0.00280 B	NA	NA	0.00360 B [0.00340 B]	ND(0.0500)	0.00900 B
Total Nitrate/Nitrite Nitrogen	ND(0.100)	0.0140 B	0.0170 B	0.0123 B	NA	NA	0.0306 B [0.0354 B]	0.100	0.065 B
Sulfate (turbidimetric)	37.2	5.30	1.60 B	0.540 B	ND(8.0)	ND(8.0)	15.0 [16.0]	23.0	35.0

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 200

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	16C-R 04/27/05	39B 12/16/96	39B 04/23/97	39B 12/21/98	39B-R 04/13/04	39B-R 04/07/05	39D 12/16/96	39D 04/23/97	39D 12/21/98
Selected Volatile Organics									
Benzene	0.0039 J	ND(0.77) [ND(0.5)]	5.6 [4.9]	3.6 [2.6 J]	0.59	0.17 J	ND(0.01)	ND(0.01)	ND(0.010)
Chlorobenzene	0.013	14 [6.1]	16 [13]	48 [41]	9.7	12	0.026	0.020	0.030
Trichloroethene	0.0020 J	ND(0.38) [ND(0.25)]	ND(0.5) [ND(0.5)]	0.94 J [0.80 J]	ND(0.50)	0.35 J	ND(0.0050)	ND(0.0050)	ND(0.010)
Vinyl Chloride	ND(0.0020)	ND(0.77) [ND(0.5)]	ND(1.0) [ND(1.0)]	ND(5.0) [ND(5.0)]	ND(0.50)	ND(0.50)	ND(0.01)	ND(0.01)	ND(0.010)
Semivolatile Organics									
2-Chlorophenol	NA	NA	NA	NA	ND(0.010)	0.0096 J	NA	NA	NA
4-Chlorophenol	NA	NA	NA	NA	ND(0.010)	0.60	NA	NA	NA
Natural Attenuation Parameters									
Alkalinity (Total)	130	334	250	334 [157]	490	500	172	144	156
Chloride	9.0	4.2	69.1	43.7 [2.30]	230	250	2.5	4.0	2.6
Dissolved Iron	0.0480 B	NA	NA	11.3 [ND(0.100)]	ND(0.0500)	ND(0.0500)	NA	NA	ND(0.100)
Dissolved Organic Carbon	1.00	10	13.2	10.7 [ND(1.00)]	12.0	2.50	1.0	1.5	ND(1.00)
Ethane	ND(0.0040)	ND(0.005)	0.010	0.015 [ND(0.005)]	ND(0.0040)	ND(0.0040)	ND(0.005)	ND(0.005)	ND(0.005)
Ethene	ND(0.0030)	0.007	0.021	0.017 [ND(0.005)]	0.0033	ND(0.0030)	ND(0.005)	ND(0.005)	ND(0.005)
Methane	ND(0.00200)	0.64	1.000	1.10 [0.00580]	0.230	0.0300	ND(0.005)	0.007	0.0061
Nitrate Nitrogen	0.0690	NA	NA	NA	1.30	1.90	NA	NA	NA
Nitrite Nitrogen	0.0140 B	NA	NA	NA	ND(0.0500)	ND(0.0500)	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	0.083 B	NA	NA	ND(0.100) [ND(0.100)]	1.30	1.90	NA	NA	ND(0.100)
Sulfate (turbidimetric)	3.20	4.4	ND(2.00)	ND(2.0) [14.0]	9.90	9.20	13.2	12.2	13.2

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 200

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	39D 04/23/02	39D 04/14/04	39D 04/07/05	39E 04/23/97	39E 12/21/98	39E 04/25/02	39E 04/21/04	39E 04/25/02
Selected Volatile Organics								
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.01)	ND(0.010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chlorobenzene	0.0063	0.019	0.019	ND(0.01)	ND(0.010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.01)	ND(0.010)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)
Semivolatile Organics								
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
Natural Attenuation Parameters								
Alkalinity (Total)	160	140	140	116	119	24.0	94.0 [97.0]	43.0
Chloride	4.0	4.3	4.2	3.1	4.3	9.2	10 [10]	62
Dissolved Iron	0.130	0.0540	0.0360 B	NA	ND(0.100)	ND(0.0500)	ND(0.0500) [ND(0.0500)]	0.0900
Dissolved Organic Carbon	2.10	2.30	ND (1.00)	2.0	ND(1.00)	5.20	2.30 [2.80]	1.40
Ethane	ND(0.020)	ND(0.0040)	ND(0.0040)	NA	ND(0.005)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0040)
Ethene	ND(0.020)	ND(0.0030)	ND(0.0030)	NA	ND(0.005)	ND(0.0010)	ND(0.0030) [ND(0.0030)]	ND(0.0030)
Methane	0.0230	ND(0.00200)	ND(0.00200)	NA	0.0270	ND(0.00100)	0.370 [0.310]	0.140
Nitrate Nitrogen	0.0370 B	ND(0.0500)	ND(0.0500)	NA	NA	1.00	0.320 [0.290]	0.840
Nitrite Nitrogen	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA	NA	ND(0.0500)	ND(0.0500) [ND(0.0500)]	0.00770 B
Total Nitrate/Nitrite Nitrogen	0.0370 B	ND(0.0500)	ND(0.0500)	NA	0.370	1.00	0.320 [0.290]	0.84770 B
Sulfate (turbidimetric)	18.0	19.0	19.0	NA	ND(2.00)	5.70	3.60 [3.00]	4.90

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 200

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	43A 05/06/97	43A 04/26/02	43A 04/14/04	43A 04/12/05	43B 01/13/97	43B 05/06/97	43B 04/26/02	43B 04/21/04	43B 04/07/05
Selected Volatile Organics									
Benzene	ND(0.01)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.01)	ND(0.01)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.01)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.01)	ND(0.01)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.002 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.01)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.01)	ND(0.01)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Semivolatile Organics									
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Natural Attenuation Parameters									
Alkalinity (Total)	368	330	370	350	496	486	570	590	620
Chloride	ND(1.0)	29	39	40	ND(1.0)	1.3	49	57	58
Dissolved Iron	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Dissolved Organic Carbon	2.3	4.30	5.70	ND(1.0)	2.9	3.6	9.00	11.0	7.60
Ethane	ND(0.005)	ND(0.050)	ND(0.0040)	ND(0.0040)	ND(0.005)	ND(0.005)	ND(0.10)	ND(0.020)	ND(0.0040)
Ethene	ND(0.005)	ND(0.050)	ND(0.0030)	ND(0.0030)	ND(0.005)	ND(0.005)	ND(0.10)	ND(0.015)	ND(0.0030)
Methane	0.240	0.730	0.110	0.0830	0.8	2.8	1.30	0.770	0.880
Nitrate Nitrogen	NA	0.0200 B	0.0280 B	ND(0.0500)	NA	NA	0.0170 B	ND(0.0500)	0.0800
Nitrite Nitrogen	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Total Nitrate/Nitrite Nitrogen	NA	0.0200 B	0.0280 B	ND(0.0500)	NA	NA	0.0170 B	ND(0.0500)	0.0800
Sulfate (turbidimetric)	55.3	42.0	48.0	43.0	ND(2.00)	ND(2.00)	1.30	ND(2.00)	ND(2.00)

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89A 12/05/96	89A 04/24/97	89A 12/17/98	89A 05/12/04	89A 05/02/05	89B 12/05/96	89B 04/24/97	89B 12/17/98
Selected Volatile Organics								
Benzene	16 [13]	25 [19]	10	5.9	5.5	1.0 [1.1]	0.31 [0.14]	0.040 J
Chlorobenzene	53 [42]	53 [42]	34	22	16	4.3 [4.5]	1.6 [0.92]	0.63
Trichloroethene	ND(1.7) [ND(1.2)]	ND(1.7) [ND(1.2)]	ND(2.5)	ND(0.050)	ND(1.0)	ND(0.14) [ND(0.16)]	ND(0.042) [ND(0.042)]	ND(0.062)
Vinyl Chloride	0.480 J [0.430 J]	ND(3.3) [ND(2.5)]	ND(2.5)	ND(0.050)	ND(1.0)	ND(0.29) [ND(0.31)]	ND(0.083) [ND(0.083)]	ND(0.062)
Semivolatile Organics								
2-Chlorophenol	NA	NA	NA	ND(0.010)	NA	NA	NA	NA
4-Chlorophenol	NA	NA	0.74	ND(0.010)	NA	NA	NA	NA
Natural Attenuation Parameters								
Alkalinity (Total)	383	376	368	350	340	173	150	176
Chloride	856	1090	584	390	320	30.6	11.2	29.4
Dissolved Iron	NA	NA	0.650	ND(0.0500)	ND(0.0500)	NA	NA	7.03
Dissolved Organic Carbon	10	11.5	8.90	8.60	11.0	4	4.1	12.0
Ethane	ND(0.010)	0.013	0.017	0.044	0.023	ND(0.010)	ND(0.005)	ND(0.005)
Ethene	0.500	1.300	1.4	0.057	0.0054	ND(0.005)	ND(0.005)	ND(0.005)
Methane	0.800	2.400	2.30	0.850 E	1.40	0.23	0.140	1.40
Nitrate Nitrogen	NA	NA	NA	0.0100 B	0.0170 B	NA	NA	NA
Nitrite Nitrogen	NA	NA	NA	ND(0.0500)	ND(0.0500)	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	NA	NA	ND(0.100)	0.0100 B	0.0170 B	NA	NA	ND(0.100)
Sulfate (turbidimetric)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	12.2	18.2	ND(2.00)

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 200

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89B 04/30/04	89D-R 4/26-5/2/2005	90A 12/10/96	90A 04/29/97	90A 12/22/98	90A 04/26/04	90A 04/14/05	90B 12/10/96	90B 04/29/97
Selected Volatile Organics									
Benzene	0.16 [0.16]	0.15	ND(0.01)	ND(0.01)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.01)	ND(0.01)
Chlorobenzene	0.91 [0.89]	0.45	ND(0.01)	ND(0.01)	0.0040 J	ND(0.0050)	ND(0.0050)	ND(0.01)	ND(0.01)
Trichloroethene	ND(0.0050) [ND(0.0050)]	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020) [ND(0.0020)]	ND(0.010)	ND(0.01)	ND(0.01)	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.01)	ND(0.01)
Semivolatile Organics									
2-Chlorophenol	ND(0.010) [ND(0.010)]	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Natural Attenuation Parameters									
Alkalinity (Total)	220 [210]	330	135	147	135	140	160	117	129
Chloride	91 [98]	NA	4.3	4.9	3.30	4.6	7.4	4.2	3.7
Dissolved Iron	2.10 [3.20]	ND (.0500)	NA	NA	2.53	ND(0.0500)	ND(0.0500)	NA	NA
Dissolved Organic Carbon	8.70 [9.00]	7.60	1.0	1.7	ND(1.00)	2.30	0.810 B	4	3.7
Ethane	ND(0.040) [ND(0.040)]	ND(0.0040)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0040)	ND(0.0040)	ND(0.005)	ND(0.005)
Ethene	ND(0.030) [ND(0.030)]	0.0032	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0030)	ND(0.0030)	ND(0.005)	ND(0.005)
Methane	2.40 [2.30]	0.00890	0.28	0.075	0.0200	0.0240	0.0190	0.33	0.092
Nitrate Nitrogen	0.0280 B [0.0610]	0.00480 B	NA	NA	NA	0.0130 B	0.0540	NA	NA
Nitrite Nitrogen	ND(0.0500) [ND(0.0500)]	ND(0.0500)	NA	NA	NA	ND(0.0500)	ND(0.0500)	NA	NA
Total Nitrate/Nitrite Nitrogen	0.0280 B [0.0610]	0.00480 B	NA	NA	ND(0.100)	0.0130 B	0.0540	NA	NA
Sulfate (turbidimetric)	0.180 B [0.170 B]	NA	15.1	19.7	10.5	13.0	20.0	18.9	9.9

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	90B 12/22/98	90B 4/23-4/29/04	90B 04/14/05	95A 12/11/96	95A 04/25/97	95A 12/16/98	95A 05/07/04	95A 04/22/05	95B-R 04/21/05
Selected Volatile Organics									
Benzene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.01)	ND(0.01) [ND(0.01)]	ND(0.010)	ND(0.0050)	ND(0.0050)	0.047
Chlorobenzene	0.0060 J	ND(0.0050)	ND(0.0050)	ND(0.01)	ND(0.01) [ND(0.01)]	ND(0.010)	ND(0.0050)	0.00053 J	0.37
Trichloroethene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)
Vinyl Chloride	ND(0.010)	NA	ND(0.0020)	ND(0.01)	ND(0.01) [ND(0.01)]	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.010)
Semivolatile Organics									
2-Chlorophenol	NA	ND(0.010)	ND(0.010)	NA	NA	NA	ND(0.010)	ND(0.010)	ND(0.010)
4-Chlorophenol	NA	NA	NA	NA	NA	NA	ND(0.010)	ND(0.010)	ND(0.010)
Natural Attenuation Parameters									
Alkalinity (Total)	113	130	140	115	107	105	100	100	180
Chloride	4.00	5.0	4.1	ND(2.0)	ND(2.0)	ND(1.0)	1.0	2.1	97
Dissolved Iron	4.95	2.90	2.60	NA	NA	21.4	ND(0.0500)	0.720	0.820
Dissolved Organic Carbon	6.60	6.90	6.40	1.0	1.4	ND(1.0)	1.30	0.930 B	3.4
Ethane	ND(0.005)	ND(0.0040)	ND(0.0040)	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.0040)	ND(0.020)
Ethene	ND(0.005)	ND(0.0030)	ND(0.0030)	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.0030)	ND(0.015)
Methane	0.0570	0.0160	0.0340	0.200	0.440	1.2	NA	0.270	0.600
Nitrate Nitrogen	NA	0.0400 B	0.140	NA	NA	NA	0.0620	0.0190 B	0.0130 B
Nitrite Nitrogen	NA	ND(0.0500)	0.00260 B	NA	NA	NA	ND(0.0500)	0.00370 B	0.00440 B
Total Nitrate/Nitrite Nitrogen	ND(0.100)	0.0400 B	0.14260 B	NA	NA	ND(0.100)	0.0620	0.0227	0.0174 B
Sulfate (turbidimetric)	10.1	11.0	4.20	ND(4.0)	ND(4.0)	ND(4.0)	2.60	0.700 B	2.00 B

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	111A-R 04/14/05	111B 12/09/96	111B 05/05/97	111B 12/22/98	111B 04/22/04	111B-R 04/21/05	114A 05/02/97	114A 12/15/98	114A 04/30/04
Volatile Organics									
Benzene	ND(0.0050)	ND(0.01)	ND(0.01)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.01)	ND(0.010)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.01)	ND(0.01)	0.012	ND(0.0050)	0.0030 J	0.002 J	ND(0.010)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.01)	ND(0.01)	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.01)	ND(0.010)	ND(0.0020)
Semivolatile Organics									
2-Chlorophenol	NA	NA	NA	NA	ND(0.010)	ND(0.010)	NA	NA	NA
4-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Natural Attenuation Parameters									
Alkalinity (Total)	120	117	116	134	120	180	132	127	130
Chloride	110	3.4	3.8	2.9	37	13	ND(1.0)	2.5	1.4
Dissolved Iron	ND(0.0500)	NA	NA	ND(0.100)	ND(0.0500)	ND(0.0500)	NA	1.33	ND(0.0500)
Dissolved Organic Carbon	1.40	1.4	1.9	1.40	2.50	1.90	1.5	ND(1.00)	2.20
Ethane	ND(0.0040)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0040)	ND(0.0040)	ND(0.005)	ND(0.005)	ND(0.0040)
Ethene	ND(0.0030)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0030)	ND(0.0030)	ND(0.005)	ND(0.005)	ND(0.0030)
Methane	ND(0.0020)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.00200)	ND(0.00200)	0.340	0.420	0.0440
Nitrate Nitrogen	0.00810 B	NA	NA	NA	5.20	5.90	NA	NA	0.0360 B
Nitrite Nitrogen	ND(0.0500)	NA	NA	NA	ND(0.0500)	0.0240 B	NA	NA	ND(0.0500)
Nitrite Nitrogen	0.00810 B	NA	NA	3.09	5.20	5.924 B	NA	ND(0.100)	0.0360 B
Sulfate (turbidimetric)	54.0	254	241	230	310	250	4.2	ND(2.00)	4.80

TABLE E-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - NATURAL ATTENUATION PARAMETER
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR SPRING 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	114A 04/21/05	114B 01/29/97	114B 05/01/97	114B 12/16/98	114B 5/6-5/14/04	114B-R 04/21/05
Volatile Organics						
Benzene	ND(1.0)	ND(0.01)	<0.033	0.0010 J	ND(0.0050)	ND(0.050)
Chlorobenzene	12	ND(0.01)	0.33	0.15	0.0083	1.4
Trichloroethene	ND(1.0)	ND(0.0050)	<0.016	ND(0.010)	ND(0.0050)	ND(0.050)
Vinyl Chloride	ND(1.0)	ND(0.01)	<0.033	ND(0.010)	ND(0.0020)	ND(0.050)
Semivolatile Organics						
2-Chlorophenol	NA	NA	NA	NA	ND(0.010)	ND(0.010)
4-Chlorophenol	NA	NA	NA	NA	NA	NA
Natural Attenuation Parameters						
Alkalinity (Total)	130	251	264	198	230	250
Chloride	1.5	5.2	77.9	53.6	67	87
Dissolved Iron	ND(0.0500)	NA	NA	ND(0.100)	ND(0.0500)	ND(0.0500)
Dissolved Organic Carbon	0.510 B	6.8	6.4	5.20	4.00	2.50
Ethane	ND(0.0040)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0040)	ND(0.0040)
Ethene	ND(0.0030)	ND(0.005)	ND(0.005)	ND(0.005)	0.0035	ND(0.0030)
Methane	0.100	ND(0.005)	0.310	0.170	0.140	0.170
Nitrate Nitrogen	0.0260 B	NA	NA	NA	0.00900 B	0.0810
Nitrite Nitrogen	0.00470 B	NA	NA	NA	ND(0.0500)	0.00470 B
Nitrite Nitrogen	0.0307 B	NA	NA	ND(0.100)	0.00900 B	0.0857 B
Sulfate (turbidimetric)	1.20 B	14.4	16.4	7.0	10.0	5.50

Notes:

1. Samples were collected on behalf of General Electric Company and analyzed for Appendix IX+3 constituents and Natural Attenuation Parameters.
2. Select Volatile Organics, 2-Chlorophenol, 4-Chlorophenol and Natural Attenuation Parameter reults are presented.
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.

Data Qualifiers:

Organics (volatiles, semivolatiles)

J - Indicates an estimated value less than the practical quantitation limit (PQL).

Natural Attenuation Parameters

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

E - Analyte exceeded calibration range.

Appendix F

Data Validation Report

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

APPENDIX F
GROUNDWATER SAMPLING DATA VALIDATION REPORT
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

1.0 General

This attachment summarizes the Tier I and Tier II data reviews performed for groundwater samples collected during Remedial Investigation activities conducted at the Groundwater Management Area 3 site located 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 CT&E) of Charleston, West Virginia. Data validation was performed for 15 polychlorinated biphenyl (PCB) samples, 45 volatile organic compound (VOC) samples, 19 semi-volatile organic compound (SVOC) samples, 15 polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples, 11 Pesticide/Herbicide samples, 45 metals samples, 45 cyanide/sulfide samples, and 22 miscellaneous analyses.

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, General Electric Company, Pittsfield, Massachusetts*, Blasland, Bouck & Lee, Inc. (BBL; FSP/QAPP, approved May 25, 2004 and resubmitted June 15, 2004);

- *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);

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (February 1, 1988) (Modified November 1, 1988);

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (Draft, December 1996); and

- *National Functional Guidelines for Dioxin/Furan Data Validation*, USEPA (Draft, January 1996).

A tabulated summary of the Tier I and Tier II data evaluations is presented in Table F-1. Each sample subjected to evaluation is listed in Table F-1 to document that data review was performed, as well as present the highest level of data validation (Tier I or Tier II) that was applied. Samples that required data qualification are listed separately for each parameter (compound or analyte) that required qualification.

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 and adjusted for dilution and (for solid samples only) percent moisture. Non-detect sample results are presented as ND(PQL) within this report and in Table F-1 for consistency with documents previously prepared for investigations conducted at this 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 and in Table F-1 for consistency with documents previously prepared for this investigation.

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

The FSP/QAPP provides (in Section 7.5) that all 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* (USEPA guidelines). Accordingly, 100% of the analytical data for these investigations were subjected to Tier I review. The Tier I review consisted of a completeness evidence audit, as outlined in the *USEPA Region I CSF Completeness Evidence Audit Program* (USEPA Region I, 7/31/91), to ensure that all 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 USEPA Region I Tier I data completeness requirements. A tabulated summary of the samples subjected to Tier I and Tier II data evaluation is presented in the following table.

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

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	0	0	0	30	2	2	34
VOCs	0	0	0	34	9	2	45
SVOCs	0	0	0	17	1	1	19
PCDDs/PCDFs	13	1	1	0	0	0	15
Pesticides/Herbicides	0	0	0	9	1	1	11
Metals	0	0	0	41	2	2	45
Cyanide/Sulfide	0	0	0	26	2	2	30
Misc. Analyses	0	0	0	9	1	1	11
Total	**13**	**1**	**1**	**166**	**18**	**11**	**210**

As specified in the FSP/QAPP, approximately 25% of the laboratory sample delivery group packages were randomly chosen to be subjected to Tier II review. A Tier II review was also performed to resolve data usability limitations identified from laboratory qualification of the data during the Tier I data review. The Tier II data review consisted of a review of all 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. Due to the variable sizes of the data packages and the number of data qualification issues identified during the Tier I review, approximately 93% of the data were subjected to a Tier II review. The Tier II review resulted in the qualification of data for several samples due to minor QA/QC deficiencies. Additionally, all field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

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 USEPA 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 below for each analytical method.

4.0 Data Review

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 met. The compounds that did not meet 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	Isobutanol	43	J
SVOCs	Safrole	15	J

The continuing calibration criterion for VOCs and SVOCs requires that the continuing calibration RRF have a value greater than 0.05. Sample data for detect and non-detect compounds with RRF values less than 0.05 were qualified as estimated (J). The compounds that exceeded continuing calibration criterion and the number of samples qualified due to those exceedences are presented in the following table.

Compounds Qualified Due to Continuing Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	45	J
	Acetonitrile	45	J
	Acrolein	45	J
	Propionitrile	2	J
SVOCs	Dimethoate	10	J

Several of the organic compounds (including the compounds presented in the above tables detailing RRF deviations) exhibit instrument response factors (RFs) below the USEPA Region I minimum value of 0.05, but meet the analytical method criterion, which does not specify minimum RFs for these compounds. These compounds were analyzed by the laboratory at a higher concentration than the compounds that normally

exhibit RFs greater than the USEPA Region I minimum value of 0.05 in an effort to demonstrate acceptable response. USEPA Region I guidelines state that non-detect compound results associated with a RF less than the minimum value of 0.05 are to be rejected (R). However, in the case of these select organic compounds, the RF is an inherent problem with the current analytical methodology; therefore, the non-detect sample results were qualified as estimated (J).

Initial calibration criterion for organic compounds requires that the correlation coefficient of the initial calibration must be greater than or equal to 0.99. Sample data for compounds associated with a correlation coefficient value less than 0.99 were qualified as estimated (J). The compound that exceeded initial calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compound Qualified Due to Initial Calibration Correlation Coefficients Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	Benzidine	15	J

The initial calibration criterion requires that the percent relative standard deviation (%RSD) must be less than or equal to 30%. Sample data for detect and non-detect compounds with %RSD values greater than 30% were qualified as estimated (J). The compound that exceeded initial calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compound Qualified Due to Exceedence of %RSD Values

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	Hexachlorophene	15	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	1,1,1,2-Tetrachloroethane	1	J
	1,1,2,2-Tetrachloroethane	2	J
	1,1,2-Trichloroethane	1	J
	1,2,3-Trichloropropane	5	J
	1,2-Dibromo-3-chloropropane	1	J
	1,2-Dibromoethane	1	J
	1,4-Dioxane	1	J
	Acetone	8	J
	Acrolein	18	J
	Bromomethane	1	J
	Carbon Disulfide	1	J
	Chloroethane	3	J
	Dibromochloromethane	1	J
	Dichlorodifluoromethane	9	J

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
VOCs (continued)	Hexachlorobutadiene	2	J
	Iodomethane	1	J
	Isobutanol	1	J
	Methacrylonitrile	1	J
	Propionitrile	5	J
	Styrene	1	J
	Tetrachloroethene	1	J
	trans-1,3-Dichloropropene	1	J
	Trichloroethene	1	J
	Trichlorofluoromethane	11	J
	Vinyl Acetate	22	J
	Xylenes (total)	1	J
SVOCs	1,3,5-Trinitrobenzene	3	J
	1,4-Naphthoquinone	12	J
	2,4-Dinitrophenol	1	J
	4,6-Dinitro-2-methylphenol	3	J
	4-Nitroquinoline-1-oxide	15	J
	a,a'-Dimethylphenethylamine	15	J
	Aniline	15	J
	Benzidine	15	J
	Benzo(k)fluoranthene	2	J
	Dimethoate	4	J
	Diphenylamine	2	J
	Hexachlorocyclopentadiene	15	J
	Hexachlorophene	15	J
	Isophorone	4	J
	Isosafrole	15	J
	Kepone	11	J
	Methapyrilene	15	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 the 80% to 120% 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
Metals	Arsenic	5	J
	Lead	13	J
	Selenium	18	J
	Thallium	13	J
	Zinc	11	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery be within the laboratory-generated QC control limits specified on the MS reporting form. Associated 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). 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
Pesticides/Herbicides	Gamma-BHC (Lindane)	1	J
	Dinoseb	1	J
Misc. Analyses	Methane	1	J

Laboratory duplicate samples were analyzed to evaluate the overall precision of laboratory and field procedures for inorganic analysis. The RPD between duplicate samples is required to be less than 20% for water samples with analyte concentrations greater than five times the PQL. Detected sample results for analytes that exceeded these limits were qualified as estimated (J). The inorganic analyte that did not meet laboratory duplicate RPD criteria and the number of samples qualified due to those deviations are presented in the following table.

Analyte Qualified Due to Laboratory Duplicate Deviations

Analysis	Analyte	Number of Affected Samples	Qualification
Misc. Analyses	Sulfate	4	J

Blank action levels for organic and inorganic analytes/compounds 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 analytes/compounds detected in method blanks which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

Analytes/Compounds Qualified Due to Blank Deviations

Analysis	Analyte/Compound	Number of Affected Samples	Qualification
VOCs	Toluene	1	U
Metals	Beryllium	5	U
	Chromium	1	U
	Cobalt	2	U

Analytes/Compounds Qualified Due to Blank Deviations

Analysis	Analyte/Compound	Number of Affected Samples	Qualification
Metals (continued)	Copper	4	U
	Nickel	1	U
	Silver	5	U
	Zinc	13	U
Cyanide and Sulfide	Sulfide	11	U
Misc. Analyses	Chloride	2	U
	Dissolved Organic Carbon	5	U
	Nitrate	1	U

5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability for site characterization purposes. 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 and Tier II data validation reviews. Data completeness with respect to usability was calculated separately for inorganic and each of the organic analysis. The percent usability calculation also includes quality control samples collected to aid in the evaluation of data usability. Therefore, field/equipment blank, trip blank, and field duplicate data determined to be unusable as a result of the validation process are represented in the percent usability value tabulated in the following table.

Data Usability

Parameter	Percent Usability	Rejected Data
PCBs	100	None
VOCs	100	None
SVOCs	100	None
PCDDs/PCDFs	100	None
Pesticides/Herbicides	100	None
Metals	100	None
Cyanide and Sulfide	100	None
Misc. Analyses	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, and MS/MSD samples. For this analytical program, 0.06% of the data required qualification due to laboratory duplicate RPD deviations. None of the data required qualification due to 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, Laboratory Control Standards (LCSs), MS/MSD samples, and surrogate compound recoveries. For this analytical program, 7.7% of the data required qualification due to instrument calibration deviations and 0.05% of the data required qualification due to MS/MSD recovery deviations. None of the data required qualification due to internal standards deviations, LCS recovery deviations or surrogate compound 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 MDEP-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 USEPA-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 program, 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. The USEPA SW-846[1] analytical methods presented in the FSP/QAPP are updated on occasion by the USEPA to benefit from recent technological advancements in analytical chemistry and instrumentation. In most cases, the method upgrades include the incorporation of new technology that improves the sensitivity and stability of the instrumentation or allows the laboratory to increase throughput without hindering accuracy and precision. Overall, the analytical methods for this investigation have remained consistent in their general approach through continued use of the basic analytical techniques (e.g., sample extraction/preparation, instrument calibration, QA/QC procedures). Through this use of consistent base analytical procedures and by

[1] Test Methods for evaluating Solid Waste, SW-846, USEPA, Final Update III, December 1996.

requiring that updated procedures meet the QA/QC criteria specified in the FSP/QAPP, the analytical data from past, present, and future sampling events will be comparable to allow for qualitative and quantitative assessment of site conditions.

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. This analytical data set had an overall usability of 100%.

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs												
5D0P105	6B-R	TA5D0P105001	4/6/2005	Water	Tier II	No						
5D0P105	6B-R (filtered)	TA5D0P105001	4/6/2005	Water	Tier II	No						
5D0P140	78B-R	TA5D0P140003	4/7/2005	Water	Tier II	No						
5D0P140	78B-R (filtered)	TA5D0P140003	4/7/2005	Water	Tier II	No						
5D0P203	82B-R	TA5D0P203001	4/11/2005	Water	Tier II	No						
5D0P203	82B-R (filtered)	TA5D0P203001	4/11/2005	Water	Tier II	No						
5D0P203	GMA3-7	TA5D0P203002	4/11/2005	Water	Tier II	No						
5D0P203	GMA3-7 (filtered)	TA5D0P203002	4/11/2005	Water	Tier II	No						
5D0P235	GMA3-6	TA5D0P235002	4/12/2005	Water	Tier II	No						
5D0P235	GMA3-6 (filtered)	TA5D0P235002	4/12/2005	Water	Tier II	No						
5D0P279	GMA3-3	TA5D0P279002	4/13/2005	Water	Tier II	No						
5D0P279	GMA3-3 (filtered)	TA5D0P279002	4/13/2005	Water	Tier II	No						
5D0P279	GMA3-5	TA5D0P279001	4/13/2005	Water	Tier II	No						
5D0P279	GMA3-5 (filtered)	TA5D0P279001	4/13/2005	Water	Tier II	No						
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier II	No						
5D0P300	90B (filtered)	TA5D0P300006	4/14/2005	Water	Tier II	No						
5D0P446	111B-R	TA5D0P446005	4/21/2005	Water	Tier II	No						
5D0P446	111B-R (filtered)	TA5D0P446005	4/21/2005	Water	Tier II	No						
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier II	No						
5D0P446	114B-R (filtered)	TA5D0P446006	4/21/2005	Water	Tier II	No						
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier II	No						
5D0P446	95B-R (filtered)	TA5D0P446001	4/21/2005	Water	Tier II	No						
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier II	No						
5D0P475	RINSE BLANK-2 (filtered)	TA5D0P475002	4/22/2005	Water	Tier II	No						
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	No						
5D0P573	54B-R (filtered)	TA5D0P573001	4/27/2005	Water	Tier II	No						
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier II	No						
5E0P055	89B (filtered)	TA5E0P055001	5/3/2005	Water	Tier II	No						
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	No						89B
5E0P055	GMA3-DUP-1 (filtered)	TA5E0P055002	5/3/2005	Water	Tier II	No						89B
Metals												
5D0P105	6B-R	TA5D0P105001	4/6/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	127.2%	80% to 120%	ND(0.00300) J	
							Copper	Method Blank	-	-	ND(0.025)	
5D0P105	6B-R (filtered)	TA5D0P105001	4/6/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	127.2%	80% to 120%	ND(0.00300) J	
							Copper	Method Blank	-	-	ND(0.025)	
5D0P140	2A (filtered)	TA5D0P140001	4/7/2005	Water	Tier II	No						
5D0P140	39B-R (filtered)	TA5D0P140002	4/7/2005	Water	Tier II	No						
5D0P140	39D (filtered)	TA5D0P140005	4/7/2005	Water	Tier II	No						
5D0P140	43B (filtered)	TA5D0P140004	4/7/2005	Water	Tier II	No						
5D0P140	78B-R	TA5D0P140003	4/7/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	127.7%	80% to 120%	ND(0.00300) J	
							Arsenic	CRDL Standard %R	54.0%	80% to 120%	ND(0.0100) J	
5D0P140	78B-R (filtered)	TA5D0P140003	4/7/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	127.7%	80% to 120%	ND(0.00300) J	
							Arsenic	CRDL Standard %R	54.0%	80% to 120%	ND(0.0100) J	
5D0P170	16A (filtered)	TA5D0P170002	4/8/2005	Water	Tier II	No						
5D0P170	16B-R (filitered)	TA5D0P170001	4/8/2005	Water	Tier II	No						
5D0P203	82B-R	TA5D0P203001	4/11/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	ND(0.00300) J	
							Silver	Method Blank	-	-	ND(0.005)	
							Zinc	CRDL Standard %R	79.2%	80% to 120%	0.0140 J	
5D0P203	82B-R (filtered)	TA5D0P203001	4/11/2005	Water	Tier II	Yes	Thallium	CRDL Standard %R	145.7%	80% to 120%	ND(0.0100) J	
							Zinc	Method Blank	-	-	ND(0.020)	
5D0P203	GMA3-7	TA5D0P203002	4/11/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	ND(0.00300) J	
							Silver	Method Blank	-	-	ND(0.0050)	
							Zinc	CRDL Standard %R	79.2%	80% to 120%	ND(0.020) J	
							Zinc	Method Blank	-	-	ND(0.020)	
5D0P203	GMA3-7 (filtered)	TA5D0P203002	4/11/2005	Water	Tier II	Yes	Thallium	CRDL Standard %R	145.7%	80% to 120%	ND(0.0100) J	
							Zinc	Method Blank	-	-	ND(0.020)	
5D0P235	43A	TA5D0P235004	4/12/2005	Water	Tier II	No						

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals (continued)												
5D0P235	GMA3-6	TA5D0P235002	4/12/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	0.00180 J	
							Silver	Method Blank	-	-	ND(0.005)	
							Zinc	CRDL Standard %R	79.2%	80% to 120%	ND(0.0200) J	
							Zinc	Method Blank	-	-	ND(0.020)	
5D0P235	GMA3-6 (filtered)	TA5D0P235002	4/12/2005	Water	Tier II	Yes	Thallium	CRDL Standard %R	145.7%	80% to 120%	ND(0.0100) J	
5D0P279	39E	TA5D0P279003	4/13/2005	Water	Tier II	No						
5D0P279	GMA3-3	TA5D0P279002	4/13/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	ND(0.00300) J	
							Silver	Method Blank	-	-	ND(0.005)	
5D0P279	GMA3-3 (filtered)	TA5D0P279002	4/13/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	ND(0.00300) J	
							Selenium	CRDL Standard %R	139.5%	80% to 120%	ND(0.00500) J	
							Zinc	Method Blank	-	-	ND(0.020)	
5D0P279	GMA3-5	TA5D0P279001	4/13/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	ND(0.00300) J	
							Silver	Method Blank	-	-	ND(0.005)	
							Zinc	Method Blank	-	-	ND(0.020)	
5D0P279	GMA3-5 (filtered)	TA5D0P279001	4/13/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	ND(0.00300) J	
							Selenium	CRDL Standard %R	139.5%	80% to 120%	0.00540 J	
							Zinc	Method Blank	-	-	ND(0.020)	
5D0P300	111A-R	TA5D0P300004	4/14/2005	Water	Tier II	No						
5D0P300	90A	TA5D0P300005	4/14/2005	Water	Tier II	No						
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	ND(0.00300) J	
							Selenium	CRDL Standard %R	139.5%	80% to 120%	0.00730 J	
							Zinc	Method Blank	-	-	ND(0.020)	
5D0P300	90B (filtered)	TA5D0P300006	4/14/2005	Water	Tier II	Yes	Lead	CRDL Standard %R	79.3%	80% to 120%	ND(0.00300) J	
							Selenium	CRDL Standard %R	139.5%	80% to 120%	ND(0.00500) J	
5D0P446	111B-R	TA5D0P446005	4/21/2005	Water	Tier II	Yes	Arsenic	CRDL Standard %R	77.5%	80% to 120%	ND(0.0100) J	
							Beryllium	Method Blank	-	-	ND(0.001)	
							Selenium	CRDL Standard %R	53.6%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	48.8%	80% to 120%	ND(0.0100) J	
							Zinc	CRDL Standard %R	76.0%	80% to 120%	0.00500 J	
5D0P446	111B-R (filtered)	TA5D0P446005	4/21/2005	Water	Tier II	Yes	Beryllium	Method Blank	-	-	ND(0.001)	
							Selenium	CRDL Standard %R	66.0%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	66.9%	80% to 120%	ND(0.0100) J	
							Zinc	CRDL Standard %R	76.0%	80% to 120%	ND(0.0200) J	
5D0P446	114A (filtered)	TA5D0P446007	4/21/2005	Water	Tier II	No						
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier II	Yes	Arsenic	CRDL Standard %R	77.5%	80% to 120%	ND(0.0100) J	
							Selenium	CRDL Standard %R	53.6%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	48.8%	80% to 120%	ND(0.0100) J	
							Zinc	CRDL Standard %R	76.0%	80% to 120%	0.00220 J	
5D0P446	114B-R (filtered)	TA5D0P446006	4/21/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	66.0%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	66.9%	80% to 120%	ND(0.0100) J	
							Zinc	CRDL Standard %R	76.0%	80% to 120%	ND(0.0200) J	
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier II	Yes	Arsenic	CRDL Standard %R	77.5%	80% to 120%	ND(0.0100) J	
							Beryllium	Method Blank	-	-	ND(0.001)	
							Selenium	CRDL Standard %R	53.6%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	48.8%	80% to 120%	ND(0.0100) J	
							Zinc	CRDL Standard %R	76.0%	80% to 120%	0.00260 J	
5D0P446	95B-R (filtered)	TA5D0P446001	4/21/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	66.0%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	66.9%	80% to 120%	ND(0.0100) J	
							Zinc	CRDL Standard %R	76.0%	80% to 120%	ND(0.0200) J	
5D0P475	95A	TA5D0P475001	4/22/2005	Water	Tier II	No						
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier II	Yes	Beryllium	Method Blank	-	-	ND(0.001)	
							Selenium	CRDL Standard %R	53.6%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	77.2%	80% to 120%	ND(0.0100) J	
							Zinc	CRDL Standard %R	76.0%	80% to 120%	0.00740 J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals (continued)												
5D0P475	RINSE BLANK-2 (filtered)	TA5D0P475002	4/22/2005	Water	Tier II	Yes	Beryllium	Method Blank	-	-	ND(0.001)	
							Selenium	CRDL Standard %R	53.6%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	77.2%	80% to 120%	ND(0.0100) J	
							Zinc	CRDL Standard %R	76.0%	80% to 120%	0.00580 J	
5D0P573	16C-R	TA5D0P573002	4/27/2005	Water	Tier II	No						
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	Yes	Cobalt	Method Blank	-	-	ND(0.05)	
							Copper	Method Blank	-	-	ND(0.025)	
							Selenium	CRDL Standard %R	58.3%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	69.7%	80% to 120%	ND(0.0100) J	
							Zinc	Method Blank	-	-	ND(0.02)	
5D0P573	54B-R (filtered)	TA5D0P573001	4/27/2005	Water	Tier II	Yes	Chromium	Method Blank	-	-	ND(0.01)	
							Cobalt	Method Blank	-	-	ND(0.05)	
							Copper	Method Blank	-	-	ND(0.025)	
							Nickel	Method Blank	-	-	ND(0.04)	
							Selenium	CRDL Standard %R	58.3%	80% to 120%	ND(0.00500) J	
							Thallium	CRDL Standard %R	69.7%	80% to 120%	ND(0.0100) J	
							Zinc	Method Blank	-	-	ND(0.02)	
5E0P025	89A	TA5E0P025002	5/2/2005	Water	Tier II	No						
5E0P025	89D-R	TA5E0P025001	5/2/2005	Water	Tier II	No						
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	136.0%	80% to 120%	ND(0.00500) J	
							Zinc	Method Blank	-	-	ND(0.020)	
5E0P055	89B (filtered)	TA5E0P055001	5/3/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	136.0%	80% to 120%	ND(0.00500) J	
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	136.0%	80% to 120%	ND(0.00500) J	89B
							Zinc	Method Blank	-	-	ND(0.020)	
5E0P055	GMA3-DUP-1 (filtered)	TA5E0P055002	5/3/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	136.0%	80% to 120%	ND(0.00500) J	89B
							Zinc	Method Blank	-	-	ND(0.020)	
VOCs												
5D0P105	6B-R	TA5D0P105001	4/6/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Carbon Disulfide	CCAL %D	26.4%	<25%	ND(0.0050) J	
							Dichlorodifluoromethane	CCAL %D	47.2%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Propionitrile	CCAL %D	40.8%	<25%	ND(0.010) J	
							Trichlorofluoromethane	CCAL %D	57.2%	<25%	ND(0.0050) J	
5D0P140	2A	TA5D0P140001	4/7/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(5.0) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(5.0) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(5.0) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(5.0) J	
5D0P140	39B-R	TA5D0P140002	4/7/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.50) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.50) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.50) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.50) J	
5D0P140	39D	TA5D0P140005	4/7/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P140	43B	TA5D0P140004	4/7/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P140	78B-R	TA5D0P140003	4/7/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)												
5D0P140	TRIP BLANK	TA5D0P140006	4/7/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P170	16A	TA5D0P170002	4/8/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(1.0) J	
							Acetone	CCAL %D	28.4%	<25%	ND(1.0) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(1.0) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(1.0) J	
							Dichlorodifluoromethane	CCAL %D	34.4%	<25%	ND(1.0) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(1.0) J	
							Trichlorofluoromethane	CCAL %D	45.6%	<25%	ND(1.0) J	
5D0P170	16B-R	TA5D0P170001	4/8/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetone	CCAL %D	28.4%	<25%	ND(0.010) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Dichlorodifluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Trichlorofluoromethane	CCAL %D	45.6%	<25%	ND(0.0050) J	
5D0P170	GMA3-2	TA5D0P170003	4/8/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetone	CCAL %D	28.4%	<25%	ND(0.010) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Dichlorodifluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Trichlorofluoromethane	CCAL %D	45.6%	<25%	ND(0.0050) J	
5D0P170	TRIP BLANK	TA5D0P170004	4/8/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
5D0P170	TRIP BLANK	TA5D0P170004	4/8/2005	Water	Tier II	Yes	Acetone	CCAL %D	28.4%	<25%	ND(0.010) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Dichlorodifluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Trichlorofluoromethane	CCAL %D	45.6%	<25%	ND(0.0050) J	
5D0P203	82B-R	TA5D0P203001	4/11/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetone	CCAL %D	28.4%	<25%	ND(0.010) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Dichlorodifluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Trichlorofluoromethane	CCAL %D	45.6%	<25%	ND(0.0050) J	
5D0P203	GMA3-7	TA5D0P203002	4/11/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetone	CCAL %D	28.4%	<25%	ND(0.010) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Dichlorodifluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Trichlorofluoromethane	CCAL %D	45.6%	<25%	ND(0.0050) J	
5D0P203	GMA3-8	TA5D0P203003	4/11/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetone	CCAL %D	28.4%	<25%	ND(0.010) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Dichlorodifluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Trichlorofluoromethane	CCAL %D	45.6%	<25%	ND(0.0050) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)												
5D0P235	43A	TA5D0P235004	4/12/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	0.077 J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	40.5%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	43.6%	<25%	ND(0.0050) J	
5D0P235	DUP-3	TA5D0P235005	4/12/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	GMA3-4
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	40.5%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	43.6%	<25%	ND(0.0050) J	
5D0P235	GMA3-4	TA5D0P235001	4/12/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	40.5%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	43.6%	<25%	ND(0.0050) J	
5D0P235	GMA3-6	TA5D0P235002	4/12/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	40.5%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	43.6%	<25%	ND(0.0050) J	
5D0P235	GMA3-9	TA5D0P235003	4/12/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	40.5%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	43.6%	<25%	ND(0.0050) J	
5D0P235	TRIP BLANK	TA5D0P235006	4/12/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	40.5%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	43.6%	<25%	ND(0.0050) J	
5D0P279	39E	TA5D0P279003	4/13/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
5D0P279	39E	TA5D0P279003	4/13/2005	Water	Tier II	Yes	Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	26.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P279	GMA3-3	TA5D0P279002	4/13/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	26.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P279	GMA3-5	TA5D0P279001	4/13/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	26.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P300	111A-R	TA5D0P300004	4/14/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	26.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)												
5D0P300	90A	TA5D0P300005	4/14/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	26.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	26.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P300	OBG-2	TA5D0P300001	4/14/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	26.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P300	TRIP BLANK	TA5D0P300007	4/14/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	26.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
5D0P318	51-14	TA5D0P318001	4/15/2005	Water	Tier II	Yes	1,1,1,2-Tetrachloroethane	CCAL %D	32.4%	<25%	ND(0.0050) J	
							1,1,2,2-Tetrachloroethane	CCAL %D	28.0%	<25%	ND(0.0050) J	
							1,2,3-Trichloropropane	CCAL %D	29.6%	<25%	ND(0.0050) J	
							1,4-Dioxane	CCAL RRF	0.001	>0.05	ND(0.20) J	
							Acetone	CCAL %D	44.0%	<25%	ND(0.010) J	
							Acetonitrile	CCAL RRF	0.023	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	99.9%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.003	>0.05	ND(0.10) J	
							Bromomethane	CCAL %D	40.4%	<25%	ND(0.0020) J	
							Iodomethane	CCAL %D	26.0%	<25%	ND(0.0050) J	
							Propionitrile	CCAL RRF	0.022	>0.05	ND(0.010) J	
							Tetrachloroethene	CCAL %D	31.6%	<25%	ND(0.0020) J	
5D0P318	TRIP BLANK	TA5D0P318002	4/15/2005	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	38.0%	<25%	ND(0.0050) J	
							1,1,2-Trichloroethane	CCAL %D	44.8%	<25%	ND(0.0050) J	
							1,2,3-Trichloropropane	CCAL %D	33.2%	<25%	ND(0.0050) J	
							1,2-Dibromo-3-chloropropane	CCAL %D	99.9%	<25%	ND(0.0050) J	
							1,2-Dibromoethane	CCAL %D	42.4%	<25%	ND(0.0010) J	
							1,4-Dioxane	CCAL %D	99.9%	<25%	ND(0.20) J	
							1,4-Dioxane	CCAL RRF	0.001	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.023	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	99.0%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.003	>0.05	ND(0.10) J	
							Dibromochloromethane	CCAL %D	40.2%	<25%	ND(0.0050) J	
							Dichlorodifluoromethane	CCAL %D	27.6%	<25%	ND(0.0050) J	
							Isobutanol	CCAL %D	99.9%	<25%	ND(0.10) J	
5D0P318	TRIP BLANK	TA5D0P318002	4/15/2005	Water	Tier II	Yes	Methacrylonitrile	CCAL %D	35.2%	<25%	ND(0.0050) J	
							Propionitrile	CCAL RRF	0.022	>0.05	ND(0.010) J	
							Styrene	CCAL %D	29.2%	<25%	ND(0.0050) J	
							trans-1,3-Dichloropropene	CCAL %D	43.6%	<25%	ND(0.0050) J	
							Trichloroethene	CCAL %D	54.4%	<25%	ND(0.0050) J	
							Trichlorofluoromethane	CCAL %D	32.0%	<25%	ND(0.0050) J	
							Vinyl Acetate	CCAL %D	99.9%	<25%	ND(0.0050) J	
							Xylenes (total)	CCAL %D	64.0%	<25%	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)												
5D0P446	111B-R	TA5D0P446005	4/21/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	34.0%	<25%	ND(0.0050) J	
5D0P446	114A	TA5D0P446007	4/21/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(1.0) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(1.0) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(1.0) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(1.0) J	
							Vinyl Acetate	CCAL %D	34.0%	<25%	ND(1.0) J	
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	34.0%	<25%	ND(0.050) J	
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	34.0%	<25%	ND(0.010) J	
5D0P446	TRIP BLANK	TA5D0P446008	4/21/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	34.0%	<25%	ND(0.010) J	
5D0P475	95A	TA5D0P475001	4/22/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Toluene	Rinse Blank	-	-	ND(0.005)	
							Vinyl Acetate	CCAL %D	34.0%	<25%	ND(0.0050) J	
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	34.0%	<25%	ND(0.0050) J	
5D0P551	89D-R	TA5D0P551001	4/26/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	34.4%	<25%	ND(0.010) J	
5D0P551	TRIP BLANK	TA5D0P551002	4/26/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Vinyl Acetate	CCAL %D	34.4%	<25%	ND(0.010) J	
5D0P573	16C-R	TA5D0P573002	4/27/2005	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
							1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Chloroethane	CCAL %D	38.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Propionitrile	CCAL %D	69.6%	<25%	ND(0.010) J	
							Vinyl Acetate	CCAL %D	46.0%	<25%	ND(0.0050) J	
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
							1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)												
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	Yes	Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Chloroethane	CCAL %D	38.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Propionitrile	CCAL %D	69.6%	<25%	ND(0.010) J	
							Vinyl Acetate	CCAL %D	46.0%	<25%	ND(0.0050) J	
5D0P573	TRIP BLANK	TA5D0P573003	4/27/2005	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
							1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Chloroethane	CCAL %D	38.4%	<25%	ND(0.0050) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Propionitrile	CCAL %D	69.6%	<25%	ND(0.010) J	
							Vinyl Acetate	CCAL %D	46.0%	<25%	ND(0.0050) J	
5E0P025	89A	TA5E0P025002	5/2/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(1.0) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(1.0) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(1.0) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(1.0) J	
							Propionitrile	CCAL %D	66.8%	<25%	ND(1.0) J	
							Vinyl Acetate	CCAL %D	36.8%	<25%	ND(1.0) J	
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	32.5%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Hexachlorobutadiene	CCAL %D	26.4%	<25%	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Trichlorofluoromethane	CCAL %D	39.2%	<25%	ND(0.10) J	
							Vinyl Acetate	CCAL %D	57.2%	<25%	ND(0.10) J	
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	89B
							Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
							Acrolein	CCAL %D	32.5%	<25%	ND(0.10) J	
							Acrolein	CCAL RRF	0.040	>0.05	ND(0.10) J	
							Hexachlorobutadiene	CCAL %D	26.4%	<25%	ND(0.10) J	
							Isobutanol	ICAL RRF	0.031	>0.05	ND(0.10) J	
							Trichlorofluoromethane	CCAL %D	39.2%	<25%	ND(0.10) J	
							Vinyl Acetate	CCAL %D	57.2%	<25%	ND(0.10) J	
SVOCs												
5D0P105	6B-R	TA5D0P105001	4/6/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	41.0%	<25%	ND(0.010) J	
							4,6-Dinitro-2-methylphenol	CCAL %D	36.6%	<25%	ND(0.050) J	
							4-Nitroquinoline-1-oxide	CCAL %D	43.3%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	40.6%	<25%	ND(0.010) J	
							Aniline	CCAL %D	45.3%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	69.2%	<25%	ND(0.020) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
							Hexachlorocyclopentadiene	CCAL %D	26.5%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	90.9%	<25%	ND(0.020) J	
							Isophorone	CCAL %D	30.2%	<25%	ND(0.010) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Kepone	CCAL %D	90.8%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	50.3%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P140	2A	TA5D0P140001	4/7/2005	Water	Tier II	No						
5D0P140	39B-R	TA5D0P140002	4/7/2005	Water	Tier II	No						

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)												
5D0P140	78B-R	TA5D0P140003	4/7/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	40.8%	<25%	ND(0.010) J	
							2,4-Dinitrophenol	CCAL %D	29.8%	<25%	ND(0.050) J	
							4-Nitroquinoline-1-oxide	CCAL %D	42.4%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	40.3%	<25%	ND(0.010) J	
							Aniline	CCAL %D	48.1%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	66.7%	<25%	ND(0.020) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Hexachlorocyclopentadiene	CCAL %D	30.0%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	92.7%	<25%	ND(0.020) J	
							Isophorone	CCAL %D	29.8%	<25%	ND(0.010) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Kepone	CCAL %D	91.5%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	51.1%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P170	16A	TA5D0P170002	4/8/2005	Water	Tier II	No						
5D0P203	82B-R	TA5D0P203001	4/11/2005	Water	Tier II	Yes	4-Nitroquinoline-1-oxide	CCAL %D	39.3%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	40.3%	<25%	ND(0.010) J	
							Aniline	CCAL %D	46.4%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	70.6%	<25%	ND(0.020) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Hexachlorocyclopentadiene	CCAL %D	30.9%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	94.7%	<25%	ND(0.020) J	
							Isophorone	CCAL %D	32.4%	<25%	ND(0.010) J	
							Isosafrole	CCAL %D	96.6%	<25%	ND(0.010) J	
							Kepone	CCAL %D	34.5%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	52.6%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P203	GMA3-7	TA5D0P203002	4/11/2005	Water	Tier II	Yes	4-Nitroquinoline-1-oxide	CCAL %D	39.3%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	40.3%	<25%	ND(0.010) J	
							Aniline	CCAL %D	46.4%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	70.6%	<25%	ND(0.020) J	
							Hexachlorocyclopentadiene	CCAL %D	30.9%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	94.7%	<25%	ND(0.020) J	
							Isophorone	CCAL %D	32.4%	<25%	ND(0.010) J	
							Isosafrole	CCAL %D	96.6%	<25%	ND(0.010) J	
							Methapyrilene	CCAL %D	52.6%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P235	GMA3-6	TA5D0P235002	4/12/2005	Water	Tier II	Yes	4-Nitroquinoline-1-oxide	CCAL %D	31.5%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	35.8%	<25%	ND(0.010) J	
							Aniline	CCAL %D	47.0%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	71.4%	<25%	ND(0.020) J	
							Hexachlorocyclopentadiene	CCAL %D	30.7%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	98.3%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	95.0%	<25%	ND(0.010) J	
							Methapyrilene	CCAL %D	57.2%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)												
5D0P279	GMA3-3	TA5D0P279002	4/13/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	42.0%	<25%	ND(0.010) J	
							4-Nitroquinoline-1-oxide	CCAL %D	31.5%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	35.8%	<25%	ND(0.010) J	
							Aniline	CCAL %D	47.0%	<25%	ND(0.010) J	
							Benzidine	CCAL %D	71.4%	<25%	ND(0.020) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Hexachlorocyclopentadiene	CCAL %D	30.7%	<25%	ND(0.010) J	
							Hexachlorophene	CCAL %D	98.3%	<25%	ND(0.020) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Isosafrole	CCAL %D	95.0%	<25%	ND(0.010) J	
							Kepone	CCAL %D	91.0%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	57.2%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P279	GMA3-5	TA5D0P279001	4/13/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	42.0%	<25%	ND(0.010) J	
							4-Nitroquinoline-1-oxide	CCAL %D	31.5%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	35.8%	<25%	ND(0.010) J	
							Aniline	CCAL %D	47.0%	<25%	ND(0.010) J	
							Benzidine	CCAL %D	71.4%	<25%	ND(0.020) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Hexachlorocyclopentadiene	CCAL %D	30.7%	<25%	ND(0.010) J	
							Hexachlorophene	CCAL %D	98.3%	<25%	ND(0.020) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Isosafrole	CCAL %D	95.0%	<25%	ND(0.010) J	
							Methapyrilene	CCAL %D	57.2%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	42.0%	<25%	ND(0.010) J	
							4-Nitroquinoline-1-oxide	CCAL %D	31.5%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	35.8%	<25%	ND(0.010) J	
							Aniline	CCAL %D	47.0%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	71.4%	<25%	ND(0.020) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Hexachlorocyclopentadiene	CCAL %D	30.7%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	98.3%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	95.0%	<25%	ND(0.010) J	
							Kepone	CCAL %D	91.0%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	57.2%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P446	111B-R	TA5D0P446005	4/21/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	42.2%	<25%	ND(0.010) J	
							4-Nitroquinoline-1-oxide	CCAL %D	35.5%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	43.5%	<25%	ND(0.010) J	
							Aniline	CCAL %D	50.8%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	71.1%	<25%	ND(0.020) J	
							Hexachlorocyclopentadiene	CCAL %D	29.9%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	99.2%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Methapyrilene	CCAL %D	57.5%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)												
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	42.2%	<25%	ND(0.010) J	
							4-Nitroquinoline-1-oxide	CCAL %D	35.5%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	43.5%	<25%	ND(0.010) J	
							Aniline	CCAL %D	50.8%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	71.1%	<25%	ND(0.020) J	
							Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Hexachlorocyclopentadiene	CCAL %D	29.9%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	99.2%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Kepone	CCAL %D	90.8%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	57.5%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	42.2%	<25%	ND(0.010) J	
							4-Nitroquinoline-1-oxide	CCAL %D	35.5%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	43.5%	<25%	ND(0.010) J	
							Aniline	CCAL %D	50.8%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	71.1%	<25%	ND(0.020) J	
							Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Hexachlorocyclopentadiene	CCAL %D	29.9%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	99.2%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Kepone	CCAL %D	90.8%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	57.5%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P475	95A	TA5D0P475001	4/22/2005	Water	Tier II	No						
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	42.2%	<25%	ND(0.010) J	
							4-Nitroquinoline-1-oxide	CCAL %D	35.5%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	43.5%	<25%	ND(0.010) J	
							Aniline	CCAL %D	50.8%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	71.1%	<25%	ND(0.020) J	
							Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Hexachlorocyclopentadiene	CCAL %D	29.9%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	99.2%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Kepone	CCAL %D	90.8%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	57.2%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	30.4%	<25%	ND(0.010) J	
							1,4-Naphthoquinone	CCAL %D	37.3%	<25%	ND(0.010) J	
							4-Nitroquinoline-1-oxide	CCAL %D	39.9%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	36.7%	<25%	ND(0.010) J	
							Aniline	CCAL %D	48.9%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	69.4%	<25%	ND(0.020) J	
							Hexachlorocyclopentadiene	CCAL %D	35.7%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)												
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	Yes	Hexachlorophene	CCAL %D	98.4%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Kepone	CCAL %D	91.2%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	57.8%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	37.4%	<25%	ND(0.010) J	
							1,4-Naphthoquinone	CCAL %D	47.6%	<25%	ND(0.010) J	
							4,6-Dinitro-2-methylphenol	CCAL %D	28.1%	<25%	ND(0.050) J	
							4-Nitroquinoline-1-oxide	CCAL %D	49.6%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	39.5%	<25%	ND(0.010) J	
							Aniline	CCAL %D	48.6%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	71.4%	<25%	ND(0.020) J	
							Benzo(k)fluoranthene	CCAL %D	99.9%	<25%	ND(0.010) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Diphenylamine	CCAL %D	94.2%	<25%	ND(0.010) J	
							Hexachlorocyclopentadiene	CCAL %D	36.0%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	99.9%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Kepone	CCAL %D	100.0%	<25%	ND(0.050) J	
							Methapyrilene	CCAL %D	59.3%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	37.4%	<25%	ND(0.010) J	89B
							1,4-Naphthoquinone	CCAL %D	47.6%	<25%	ND(0.010) J	
							4,6-Dinitro-2-methylphenol	CCAL %D	28.1%	<25%	ND(0.050) J	
							4-Nitroquinoline-1-oxide	CCAL %D	49.6%	<25%	ND(0.010) J	
							a,a'-Dimethylphenethylamine	CCAL %D	39.5%	<25%	ND(0.010) J	
							Aniline	CCAL %D	48.6%	<25%	ND(0.010) J	
							Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
							Benzidine	CCAL %D	71.4%	<25%	ND(0.020) J	
							Benzo(k)fluoranthene	CCAL %D	99.9%	<25%	ND(0.010) J	
							Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
							Diphenylamine	CCAL %D	94.2%	<25%	ND(0.010) J	
							Hexachlorocyclopentadiene	CCAL %D	36.0%	<25%	ND(0.010) J	
							Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
							Hexachlorophene	CCAL %D	99.9%	<25%	ND(0.020) J	
							Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
							Kepone	CCAL %D	100.0%	<25%	ND(0.050) J	
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	Yes	Methapyrilene	CCAL %D	59.3%	<25%	ND(0.010) J	
							Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Pesticides												
5D0P105	6B-R	TA5D0P105001	4/6/2005	Water	Tier II	No						
5D0P140	78B-R	TA5D0P140003	4/7/2005	Water	Tier II	No						
5D0P203	82B-R	TA5D0P203001	4/11/2005	Water	Tier II	No						
5D0P279	GMA3-3	TA5D0P279002	4/13/2005	Water	Tier II	No						
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier II	No						
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier II	No						
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier II	Yes	Gamma-BHC (Lindane)	MS/MSD %R	34%, 33%	40% to 130%	ND(0.000050) J	
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier II	No						
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	No						
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier II	No						
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	No						89B
Herbicides												
5D0P105	6B-R	TA5D0P105001	4/6/2005	Water	Tier II	No						
5D0P140	78B-R	TA5D0P140003	4/7/2005	Water	Tier II	No						
5D0P203	82B-R	TA5D0P203001	4/11/2005	Water	Tier II	No						
5D0P279	GMA3-3	TA5D0P279002	4/13/2005	Water	Tier II	No						
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier II	No						
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier II	No						
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier II	Yes	Dinoseb	MS/MSD %R	38%, 37%	40% to 130%	ND(0.0010) J	
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier II	No						
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	No						
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier II	No						
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	No						89B
PCDDs/PCDFs												
5D0P105	6B-R	TA5D0P105001	4/6/2005	Water	Tier I	No						
5D0P140	78B-R	TA5D0P140003	4/7/2005	Water	Tier I	No						
5D0P203	82B-R	TA5D0P203001	4/11/2005	Water	Tier I	No						
5D0P203	GMA3-7	TA5D0P203002	4/11/2005	Water	Tier I	No						
5D0P235	GMA3-6	TA5D0P235002	4/12/2005	Water	Tier I	No						
5D0P279	GMA3-3	TA5D0P279002	4/13/2005	Water	Tier I	No						
5D0P279	GMA3-5	TA5D0P279001	4/13/2005	Water	Tier I	No						
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier I	No						
5D0P446	111B-R	TA5D0P446005	4/21/2005	Water	Tier I	No						
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier I	No						
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier I	No						
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier I	No						
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier I	No						
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier I	No						
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier I	No						89B
Cyanides/Sulfides												
5D0P105	6B-R	TA5D0P105001	4/6/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P105	6B-R (filtered)	TA5D0P105001	4/6/2005	Water	Tier II	No						
5D0P140	78B-R	TA5D0P140003	4/7/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P140	78B-R (filtered)	TA5D0P140003	4/7/2005	Water	Tier II	No						
5D0P203	82B-R	TA5D0P203001	4/11/2005	Water	Tier II	No						
5D0P203	82B-R (filtered)	TA5D0P203001	4/11/2005	Water	Tier II	No						
5D0P203	GMA3-7	TA5D0P203002	4/11/2005	Water	Tier II	No						
5D0P203	GMA3-7 (filtered)	TA5D0P203002	4/11/2005	Water	Tier II	No						
5D0P235	GMA3-6	TA5D0P235002	4/12/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P235	GMA3-6 (filtered)	TA5D0P235002	4/12/2005	Water	Tier II	No						
5D0P279	GMA3-3	TA5D0P279002	4/13/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P279	GMA3-3 (filtered)	TA5D0P279002	4/13/2005	Water	Tier II	No						
5D0P279	GMA3-5	TA5D0P279001	4/13/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P279	GMA3-5 (filtered)	TA5D0P279001	4/13/2005	Water	Tier II	No						
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier II	No						
5D0P300	90B (filtered)	TA5D0P300006	4/14/2005	Water	Tier II	No						

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Cyanides/Sulfides (continued)												
5D0P446	111B-R	TA5D0P446005	4/21/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P446	111B-R (filtered)	TA5D0P446005	4/21/2005	Water	Tier II	No						
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier II	No						
5D0P446	114B-R (filtered)	TA5D0P446006	4/21/2005	Water	Tier II	No						
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P446	95B-R (filtered)	TA5D0P446001	4/21/2005	Water	Tier II	No						
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P475	RINSE BLANK-2 (filtered)	TA5D0P475002	4/22/2005	Water	Tier II	No						
5D0P573	54B-R	TA5D0P573001	4/27/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5D0P573	54B-R (filtered)	TA5D0P573001	4/27/2005	Water	Tier II	No						
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5E0P055	89B (filtered)	TA5E0P055001	5/3/2005	Water	Tier II	No						
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	89B
5E0P055	GMA3-DUP-1 (filtered)	TA5E0P055002	5/3/2005	Water	Tier II	No						89B
Miscellaneous Analyses												
5D0P140	2A	TA5D0P140001	4/7/2005	Water	Tier II	No						
5D0P140	39B-R	TA5D0P140002	4/7/2005	Water	Tier II	No						
5D0P140	39D	TA5D0P140005	4/7/2005	Water	Tier II	No						
5D0P140	43B	TA5D0P140004	4/7/2005	Water	Tier II	No						
5D0P170	16A	TA5D0P170002	4/8/2005	Water	Tier II	No						
5D0P170	16B-R	TA5D0P170001	4/8/2005	Water	Tier II	No						
5D0P235	43A	TA5D0P235004	4/12/2005	Water	Tier II	No						
5D0P279	39E	TA5D0P279003	4/13/2005	Water	Tier II	Yes	Dissolved Organic Carbon	Method Blank	-	-	ND(1.4)	
5D0P300	111A-R	TA5D0P300004	4/14/2005	Water	Tier II	Yes	Dissolved Organic Carbon	Method Blank	-	-	ND(1.4)	
5D0P300	90A	TA5D0P300005	4/14/2005	Water	Tier II	Yes	Dissolved Organic Carbon	Method Blank	-	-	ND(1.0)	
5D0P300	90B	TA5D0P300006	4/14/2005	Water	Tier II	No						
5D0P446	111B-R	TA5D0P446005	4/21/2005	Water	Tier II	Yes	Sulfate	Laboratory Duplicate RPD (Water)	50.0%	<20%	250 J	
5D0P446	114A	TA5D0P446007	4/21/2005	Water	Tier II	Yes	Sulfate	Laboratory Duplicate RPD (Water)	50.0%	<20%	1.20 J	
5D0P446	114B-R	TA5D0P446006	4/21/2005	Water	Tier II	Yes	Sulfate	Laboratory Duplicate RPD (Water)	50.0%	<20%	5.50 J	
5D0P446	95B-R	TA5D0P446001	4/21/2005	Water	Tier II	Yes	Sulfate	Laboratory Duplicate RPD (Water)	50.0%	<20%	2.00 J	
							Methane	MSD %R	139.0%	70% to 130%	0.600 J	
5D0P475	95A	TA5D0P475001	4/22/2005	Water	Tier II	Yes	Dissolved Organic Carbon	Rinse Blank	-	-	ND(1.0)	
							Chloride	Method Blank	-	-	ND(2.1)	
							Chloride	Rinse Blank	-	-	ND(2.1)	
							Nitrate	Rinse Blank	-	-	ND(.05)	
5D0P475	RINSE BLANK-2	TA5D0P475002	4/22/2005	Water	Tier II	No						
5D0P573	16C-R	TA5D0P573002	4/27/2005	Water	Tier II	Yes	Dissolved Organic Carbon	Method Blank	-	-	ND(1.0)	
5E0P025	89A	TA5E0P025002	5/2/2005	Water	Tier II	No						
5E0P025	89D-R	TA5E0P025001	5/2/2005	Water	Tier II	No						
5E0P055	89B	TA5E0P055001	5/3/2005	Water	Tier II	No						
5E0P055	GMA3-DUP-1	TA5E0P055002	5/3/2005	Water	Tier II	No						89B