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Transmitted Via Overnight Courier

April 26, 2007

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

Re: **GE-Pittsfield/Housatonic River Site**
Groundwater Management Area 5 (GECD350)
Baseline Assessment Final Report and Long-Term Monitoring Program Proposal

Dear Mr. Fisher:

Enclosed is the *Baseline Assessment Final Report and Long-Term Monitoring Program Proposal for Groundwater Management Area 5* (GMA 5 Long-Term Monitoring Proposal). This report and proposal was prepared in accordance with 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 Section 6.3.2 of Attachment H to the SOW (Groundwater/NAPL Monitoring, Assessment, and Response Programs).

The GMA 5 Long-Term Monitoring Proposal provides an overall assessment of the hydrogeologic setting and groundwater quality at GMA 5 since initiation of baseline monitoring activities in spring 2002, including a preliminary statistical evaluation of the baseline monitoring data and a comparison of results relative to the applicable Performance Standards. Based on that information, GE proposes the implementation of a long-term groundwater quality monitoring program for GMA 5 and describes the wells selected for inclusion, proposed sampling frequency and analyses, and reporting requirements.

This report also summarizes the baseline groundwater monitoring program activities conducted at GMA 5 in fall 2006 and presents the results of the groundwater sampling and analysis performed in accordance with EPA's letter to GE dated November 16, 2006. Groundwater Management Area 5 (GMA 5).

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

Sincerely,

Richard W. Gates /mbd for

Richard W. Gates
Remediation Project Manager

Enclosure
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Property Owner - Parcel I8-23-10
Public Information Repositories
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Infrastructure, environment, facilities

General Electric Company
Pittsfield, Massachusetts

Baseline Assessment Final Report and Long-Term Monitoring Program Proposal for Groundwater Management Area 5

April 2007

ARCADIS BBL

Baseline Assessment Final Report and Long-Term Monitoring Program Proposal for Groundwater Management Area 5

(GMA 5 Long-Term Monitoring Proposal)

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1. Introduction

1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD governs (among other things) the performance of response actions to address polychlorinated biphenyls (PCBs) and other hazardous constituents in soil, sediment, and groundwater in several Removal Action Areas (RAAs) located in or near Pittsfield, Massachusetts that collectively comprise the GE-Pittsfield/Housatonic River Site (the Site). For groundwater and non-aqueous-phase liquid (NAPL), the RAAs at and near the GE Pittsfield facility have been divided into five separate Groundwater Management Areas (GMAs), which are illustrated on Figure 1. These GMAs are described, together with the Performance Standards established for the response actions at and related to them, in Section 2.7 of the *Statement of Work for Removal Actions Outside the River* (SOW) (Appendix E to the CD), with further details presented in Attachment H to the SOW (Groundwater/NAPL Monitoring, Assessment, and Response Programs). This report relates to the Former Oxbows A and C Groundwater Management Area, also known as and referred to herein as GMA 5.

The Consent Decree and Attachment H to the SOW specify a series of steps to be taken at each of the GMAs to investigate and, as appropriate, respond to groundwater conditions. The Consent Decree and Attachment H to the SOW provide initially for the design and implementation of a baseline monitoring program at each of the GMAs. Pursuant to Section 1.1.1 of Attachment H, the objective of the baseline monitoring program was to establish existing conditions in order to assess whether the existing response actions are protecting surface water, groundwater and sediment quality, and human health in occupied buildings. Additionally, the baseline monitoring program provided the basis for evaluating the effectiveness of future response actions, including the identification of any additional response actions that may be necessary to attain the Performance Standards. The baseline data will be used for comparison of future data collected under the long-term monitoring program.

The baseline monitoring program consists of semi-annual groundwater quality sampling and quarterly elevation monitoring and generally lasts for a two year period. As described further below, however, the baseline monitoring program may be extended in certain circumstances.

Following the completion of the baseline monitoring program at each GMA, GE is to prepare a Baseline Assessment Final Report. The requirements for the Baseline Assessment Final Report are specified in Section 6.3.2 of Attachment H. As part of that Final Report, GE is to propose a long-term monitoring program for the GMA. This report constitutes the Baseline Assessment Final Report and Long-Term Monitoring Program Proposal for GMA 5.

1.2 Overview of Groundwater Investigation Activities at GMA 5

In December 2000, GE submitted a *Baseline Monitoring Program Proposal for Former Oxbows A and C Groundwater Management Area* (GMA 5 Baseline Monitoring Proposal). The GMA 5 Baseline Monitoring Proposal summarized the hydrogeologic information available at that time for GMA 5 and proposed groundwater monitoring activities for the baseline monitoring period at this GMA. EPA provided conditional approval of the GMA 5 Baseline Monitoring Proposal by letter of September 25, 2001. Thereafter, certain modifications were made to the GMA 5 baseline monitoring program as a result of EPA approval conditions and/or findings during field reconnaissance of the selected monitoring locations and, subsequently, during implementation of the baseline monitoring program.

The baseline monitoring program, which was initiated in spring 2002, consisted of four semi-annual groundwater quality sampling events (with intervening quarterly groundwater elevation monitoring) followed by preparation and submittal of semi-annual reports summarizing the groundwater monitoring results, comparing the groundwater results with applicable Performance Standards, and, as appropriate, proposing modifications to the monitoring program. The fourth baseline monitoring report for GMA 5 entitled *Groundwater Management Area 5 Baseline Groundwater Quality Interim Report for Fall 2003* (Fall 2003 GMA 5 Groundwater Quality Report), was submitted to EPA on January 30, 2004**.**

Section 6.1.3 of Attachment H to the SOW provides that if the two-year baseline monitoring period ends prior to the completion of soil-related response actions at all the RAAs in a GMA, GE may make a proposal to EPA to modify and/or extend the Baseline Monitoring Program based on the results of the initial assessment and the estimated timing of future response actions at the RAAs in the GMA. The approved GMA 5 Baseline Monitoring Proposal also allows GE to propose a modification and/or extension of the baseline monitoring program based on the results of the initial assessment and the estimated timing of future response actions.

Therefore, as the soil-related Removal Actions at the RAA within GMA 5 were not yet complete, the Fall 2003 GMA 5 Groundwater Quality Report included a proposal to modify and extend baseline groundwater quality monitoring activities at GMA 5 (under a program referred to as the interim monitoring program) until such time as the soil-related Removal Actions at the GMA 5 RAA were completed and the needs for a long-term groundwater quality monitoring program were fully delineated.

EPA conditionally approved The Fall 2003 GMA 5 Groundwater Quality Report in a letter dated May 5, 2004. Under the approved interim monitoring program, annual water quality sampling (alternating between the spring and fall seasons) and semi-annual water level monitoring at selected GMA 5 wells was initiated in spring 2004.

The results of the initial interim sampling event were provided in GE's July 2004 *Groundwater Management Area 5 Groundwater Quality Interim Report for Spring 2004* (Spring 2004 GMA 5 Groundwater Quality Report), which was conditionally approved by EPA in a letter dated November 10, 2004. However, in that letter, EPA stated that the presence of EPA's temporary dam across the Housatonic River adjacent to GMA 5 (which was utilized as part of EPA's remediation along the 1 ½-Mile Reach of the Housatonic River) may influence groundwater flow at the GMA and that future groundwater quality monitoring there should be postponed until it is demonstrated that groundwater flow is not being artificially influenced by the dam. In addition, EPA required that groundwater elevation monitoring should continue to be performed on a semi-annual basis. The postponement of the scheduled fall 2005 groundwater sampling event at GMA 5 was confirmed during a technical meeting among GE, EPA, MDEP, and their consultants held in Pittsfield on September 7, 2005.

GE subsequently conducted the fall 2005 groundwater elevation monitoring event at GMA 5 and a summary of the data from that monitoring event, as well as the results from other semi-annual monitoring rounds conducted since the submittal of the Spring 2004 GMA 5 Groundwater Quality Report, were presented in a letter to EPA dated January 30, 2006. The letter also proposed to resume interim groundwater quality monitoring activities following the removal of the temporary dam and verification that groundwater flow has returned to baseline conditions. That proposal was approved by EPA in a letter dated March 23, 2006.

The EPA temporary dam was removed during January and February of 2006, and a round of water level monitoring was conducted on March 30, 2006. GE discussed the results with EPA during an April 10, 2006 technical call and received EPA approval to resume interim groundwater sampling in spring 2006. The results of the groundwater elevation monitoring

and sampling activities conducted in spring 2006 were provided in GE's July 2006 *Groundwater Management Area 5 Groundwater Quality Monitoring Interim Report for Spring 2006* (Spring 2006 GMA 5 Groundwater Quality Report).

The Spring 2006 GMA 5 Groundwater Quality Report was conditionally approved by EPA in a letter dated November 16, 2006. In that letter, EPA required GE to conduct an additional full baseline sampling event in fall 2006 and, since soil-related Removal Actions at Former Oxbow Areas A and C were completed in November 2006, to submit a final baseline assessment report and proposal for long-term groundwater quality monitoring at GMA 5. This Baseline Assessment Final Report and Long-Term Monitoring Program Proposal for GMA 5 (GMA 5 Long-Term Monitoring Proposal) provides a summary of the fall 2006 sampling activities conducted at GMA 5, evaluates the overall groundwater quality at the GMA pursuant to the requirements of Attachment H of the SOW, and contains a proposal for long-term groundwater quality monitoring activities.

1.3 Background Information on the GMA

GMA 5 encompasses the Former Oxbow Areas A and C RAA, comprised of approximately 7 acres adjacent to the Housatonic River and located approximately 250 feet downstream of the Lyman Street Bridge (Figures 1 and 2). The GMA contains a combination of non-GE-owned commercial and recreational areas. As shown on Figures 1 and 2, the Housatonic River flows along the north boundary of this GMA. Certain portions of this GMA originally consisted of land associated with oxbows or low-lying areas of the Housatonic River. Rechannelization and straightening of the Housatonic River in the early 1940s by the City of Pittsfield and the United States Army Corps of Engineers (USACE) separated several of these oxbows and low-lying areas from the active course of the river. These oxbows and low-lying areas were subsequently filled with various materials from a variety of sources, resulting in the current surface elevations and topography. At their closest proximity, Former Oxbow Area A is located approximately 225 feet southwest of Former Oxbow Area C (Figure 2).

Former Oxbow Area A encompasses an area of approximately 5 acres. This area consists of a large open field on the south side of the river, north of Elm Street and Newell Street. The majority of this generally flat area is undeveloped and covered with grass and low brush. Commercial businesses occupy a portion of an area along Elm Street to the south of the former oxbow. Specifically, a former gas station, laundromat, and car wash are located at the southwestern portion of this former oxbow area.

Former Oxbow Area C encompasses an undeveloped area of approximately 2 acres on the south side of the Housatonic River, near the northwest end of Day Street. This generally flat area is undeveloped and covered with grass and low brush. The southeastern side of the area is bordered by residential properties along Day Street and Ashley Street.

Removal Actions performed by GE at the Former Oxbow Areas A and C RAA were implemented between July and November 2006, and generally included site preparation, soil removal/replacement, and property restoration. Most excavations were to a depth of one foot, with limited spot removals to approximately 2 feet. The final limits of soil removal were completed to the limits shown on the EPA-approved technical drawings included in the *Final Removal Design/Removal Action Work Plan for Former Oxbow Areas A and C* (July 2005), as modified in the *Second Addendum to Final Removal Design/Removal Action Work Plan for Former Oxbow Areas A and C* (April 2006) and *Revision to Second Addendum to Final Removal Design/Removal Action Work Plan* (letter to EPA dated June 13, 2006). In addition to these soil removals, three soil piles located on the recreational portion of Parcel I8-23-6 were removed during the course of the remediation. Overall, approximately 6,290 cubic yards of soil were removed from Former Oxbow Areas A and C and placed within the appropriate On-Plant Consolidation Area or off-site disposal facility.

A separate disposal site, as designated under the Massachusetts Contingency Plan (MCP), is located on adjacent property near the southwestern corner of GMA 5. This disposal site is the Former Elm Street Mobil Station site (MDEP Site No. 1-0539, Tier 1B Permit No. 78741), and this site is currently being addressed by Exxon Mobil Corporation (ExxonMobil) pursuant to the MCP under an Administrative Consent Order (ACO) with the MDEP. As discussed below in Section 3.5, available documentation indicates that light NAPL (LNAPL) and soluble-phase contaminants related to releases from the Mobil Station may have migrated to the southwestern portion of GMA 5.

The baseline monitoring program at GMA 5 initially involved a total of 10 monitoring wells (Figure 2). Under the baseline program, all of these wells were monitored for groundwater elevations on a quarterly basis, while eight of the wells were sampled on a semi-annual basis for analysis of PCBs and/or 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). The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well. As required by EPA's conditional approval letters dated December 23, 2002 and September 23, 2003, GE incorporated six additional monitoring wells (GES-7, GES-8, GES-9, GT-7, GT101, and GT102) into the groundwater elevation monitoring rounds. These wells are located at the southwest corner of GMA 5 and had been installed on behalf of ExxonMobil

to assess downgradient impacts from the Former Elm Street Mobil Site. Finally, the two wells that were initially included solely as groundwater elevation monitoring points in the GMA 5 baseline monitoring program (i.e., wells C-1 and C-2) were decommissioned during the course of soil-related Removal Actions conducted at Former Oxbow Area C in 2006.

Monitoring for the presence of NAPL is performed as part of the routine groundwater elevation monitoring activities at this GMA. NAPL has not been observed within any of the GE monitoring wells monitored to date at GMA 5 as part of the baseline program.

Groundwater elevation contours at GMA 5 generally reflect the topography of the site with flow towards the Housatonic River. Figure 3 illustrates groundwater elevations and flow direction using data collected during the October 2006 monitoring round. The groundwater elevation data utilized to prepare Figure 3 is provided in Table 3. As discussed below in Section 2.2, the groundwater elevations measured in certain GMA 5 wells during fall 2006 were lower than those observed in earlier rounds collected while the temporary dam across the Housatonic River was in use as part of EPA's 1½-Mile removal activities (i.e., fall 2003 through fall 2005 – see Appendix B). These lower groundwater levels are similar to those observed in spring 2006 and are likely indicative of the return to normal water table conditions following the removal of the temporary dam.

1.4 Format of Document

The remainder of this report is presented in six sections. Section 2 describes the groundwater-related activities performed at GMA 5 in fall 2006. Section 3 presents the analytical results obtained during the fall 2006 sampling event, including a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW, and a comparison of the fall 2006 results to those Performance Standards. Section 4 provides an overall assessment of the hydrogeologic setting and groundwater quality at GMA 5 since initiation of baseline monitoring activities in spring 2002, including a preliminary statistical evaluation of the baseline monitoring data and a comparison of results relative to the applicable Performance Standards. Section 5 describes the basis upon which GE has identified monitoring points and constituents to be analyzed in a long-term monitoring program. Section 6 proposes the implementation of a long-term groundwater quality monitoring program for GMA 5 and describes the wells selected for inclusion, proposed sampling frequency and analyses, and reporting requirements. Finally, Section 7 presents the schedule for future field and reporting activities related to groundwater quality at GMA 5.

2. Fall 2006 Field and Analytical Procedures

2.1 General

The activities conducted as part of the baseline/interim groundwater monitoring program in fall 2006, and summarized herein, involved the measurement of groundwater levels and the collection and analysis of groundwater samples at select monitoring wells within GMA 5 as summarized in Table 1. A summary of construction details for the GMA 5 wells, including those wells that were monitored during the fall 2006 interim monitoring event, is provided in Table 2. The field sampling data for the fall 2006 sampling event are presented in Appendix A. This section discusses the field procedures used to measure site groundwater levels and collect groundwater samples, as well as the methods used to analyze the groundwater samples. All activities were performed in accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

2.2 Groundwater Elevation Monitoring

During the fall 2006 groundwater elevation monitoring event on October 27, 2006, groundwater elevations were collected from 14 wells listed in Table 3. Six of these wells are associated with the former Elm St. Mobil Station. Groundwater elevations in fall 2006 were, on average, approximately 0.6 feet lower than the elevations measured during fall 2005 for wells gauged during both events. The fall 2006 groundwater elevation data presented in Table 3 were used to prepare a groundwater elevation contour map for fall 2006 (Figure 3). As shown on this figure and discussed above, the groundwater flow direction is generally north toward the Housatonic River. The hydraulic gradient is relatively flat in the central and eastern part of GMA 5, but increases slightly on the west side of the GMA and in the riverbank areas.

As shown on the groundwater elevation hydrographs in Appendix B, the fall 2006 groundwater elevation data were similar to the spring 2006 water levels. As noted above, a temporary dam was in place across the Housatonic River adjacent to GMA 5 from fall 2003 until winter 2005/2006. Beginning in spring 2006, water levels measured in the GMA 5 wells on the downstream side of the former location of the dam (i.e., wells GMA5-1, GMA5-3, and GMA5-7) showed relatively minor fluctuations compared to prior monitoring events when the dam was in place. However, more significant decreases in groundwater elevations (up to approximately 3 to 4 feet) were measured in wells upstream of the former location of the temporary dam (i.e., wells GMA5-2, GMA5-4, GMA5-5, GMA5-6, and GMA5-8) after removal of that dam. The consistency of the spring and fall 2006 groundwater

elevation data indicates that "normal" water levels have returned to this area following removal of the temporary dam.

In addition, monitoring for the potential presence of NAPL was performed as part of these well gauging events. No NAPL was observed during these monitoring events or any of the previous monitoring events conducted by GE at GMA 5. However, as discussed in Section 3.5 and Appendix F, NAPL related to the former Elm Street Mobil Site (which is being addressed by ExxonMobil) is present on the southwest portion of the GMA.

2.3 Groundwater Sampling and Analysis

During the October 27, 2006 groundwater elevation monitoring event, a groundwater sample was collected from well GMA5-7 and analyzed for VOCs, in accordance with GE's proposal made in the Spring 2006 GMA 5 Groundwater Quality Report. Following notification of the additional sampling requirements ultimately contained in EPA's November 16, 2006 conditional approval letter related to that report, GE conducted further groundwater sampling activities between November 15 and November 28, 2006. As shown in Table 1, an additional baseline sampling round was conducted from all eight baseline program monitoring wells as required by EPA. Well construction information for the monitoring wells at GMA 5 is included in Table 2.

Low-flow sampling techniques using a bladder pump or peristaltic pump were utilized for purging the wells and collection of groundwater samples during this sampling event. Each monitoring well was purged utilizing low-flow sampling techniques until field parameters (including temperature, pH, specific conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) stabilized. Field parameters were measured in combination with the sampling activities at the monitoring wells. The field parameter measurements are presented in Table 4 and the field sampling records are provided in Appendix A. A general summary of the field measurement results during the fall 2006 monitoring event is provided below:

Parameter	Units	Range
Turbidity	Nephelometric turbidity units (NTU)	3.0 – 22.0
pH	pH units	6.48 – 7.48
Specific Conductivity	Millisiemens per centimeter	0.551– 1.918
Oxidation-Reduction Potential	Millivolts	-68.3 – 16.4

Parameter	Units	Range
Dissolved Oxygen	Milligrams per liter	0.50 – 7.51
Temperature	Degrees Celsius	10.85 – 14.02

As shown above, for this sampling event, none of the groundwater extracted from the monitoring wells had turbidity levels greater than 22 NTU. These results indicate that the sampling and measurement procedures utilized during this sampling event were effective in obtaining groundwater samples with low turbidity.

The collected groundwater samples were submitted to SGS Environmental Services, Inc. (SGS) in Wilmington, North Carolina for laboratory analysis. The samples from these wells were submitted for analysis of the following constituents using the associated EPA methods:

Constituent	EPA Method
Volatile Organic Compounds (VOCs)	8260B
Semi-Volatile Organic Compounds (SVOCs)	8270C
PCBs	8082
Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans (PCDDs/PCDFs)	8290
Metals	6010B, 7000A, 7470A
Total Cyanide	9014
Physiologically Available Cyanide	9014 / MDEP PAC Protocol
Sulfide	9034
Pesticide/Herbicides	8080, 8151

Split groundwater samples from the eight groundwater monitoring wells were also sent to Northeast Analytical of Schenectady, New York (NEA) for laboratory analysis of filtered PCBs to provide additional data to support a laboratory comparison initiated by GE at GMA 4 (described in a letter to EPA dated November 7, 2006).

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

Finally, the data were validated in accordance with the FSP/QAPP and the validated results were utilized in the preparation of this report. As discussed in the validation report provided as Appendix E-1, for SGS, 99.4% of the fall 2006 groundwater quality data are considered to be useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The PCB, PCDD/PCDF, and inorganic sample results were found to be 100% usable. SVOC sample results were found to be 98.4% usable. VOC sample results were found to be 99.9% usable. The only rejected data were one VOC result from one groundwater sample (GMA5-5), which was rejected due to low MS/MSD recoveries and eighteen SVOC results associated with all wells sampled, which were rejected due to LCS recovery deviations. Validation data for NEA is provided in Appendix E-2. The PCB sample results from NEA are considered to be 100% usable.

3. Fall 2006 Groundwater Analytical Results

3.1 General

A description of the fall 2006 groundwater analytical results is presented in this section. Tables 5 and 6 provide a comparison of the concentrations of all detected constituents with the currently applicable groundwater quality Performance Standards established in the CD and SOW, while Table 7 presents a comparison of the concentrations of detected constituents with the UCLs for groundwater. These Performance Standards are described in Section 3.2 below and an assessment of the fall 2006 results relative to those groundwater quality Performance Standards and the UCLs is provided in Section 3.4.

3.2 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 5 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 5 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 (bgs) 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 ultimately discharge to surface water. In accordance with the CD and SOW, all groundwater at GMA 5 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 5. The current MCP Method 1 GW-2 and GW-3 standards for the constituents detected in the fall 2006 sampling event are listed in Tables 5 and 6, respectively. For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards. Of course, whichever method is used to establish such groundwater standards, GW-2 standards will be applied to GW-2 groundwater and GW-3 standards will be applied to GW-3 groundwater.

On January 9, 2006, MDEP approved revised Method 1 numerical standards for a number of constituents in groundwater. The revised standards became effective on April 3, 2006. This report uses the revised numerical standards for those substances for which revised numerical standards exist.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 5 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);

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. These wells were identified in the GMA 5 Baseline Monitoring Proposal (although certain modifications were made subsequent to submittal of that proposal as a result of EPA approval conditions, findings during field reconnaissance of the selected wells, or replacement of certain wells during the course of the baseline monitoring program).

In addition to the Performance Standards described above, analytical results from all groundwater monitoring wells sampled during the fall 2006 sampling event were compared to the MCP UCLs for groundwater.

3.3 Fall 2006 Groundwater Quality Results

The following subsections provide an overview of the fall 2006 analytical results from the GMA 5 monitoring wells for each constituent group that was analyzed.

3.3.1 VOC Results

Groundwater samples collected from eight groundwater quality monitoring wells were analyzed for VOCs during the fall 2006 sampling event. The VOC analytical results are summarized in Table 7 (for detected constituents compared to MCP UCLs for groundwater) and Table C-1 of Appendix C (for all constituents analyzed). No VOCs were detected in the groundwater sample collected from five wells (i.e., wells GMA5-1, GMA5-2, GMA5-3, GMA5-4, and GMA5-5), while four VOCs [benzene, chlorobenzene, tetrachloroethene (PCE) and trichloroethene (TCE)] were observed in a sample collected from one or more of the remaining three wells. Specifically, well GMA5-7 contained PCE and TCE at concentrations of 0.046 and 0.0023 parts per million (ppm), respectively. Benzene was detected in wells GMA5-6 and GMA5-8 at estimated concentrations below the practical quantitation limit (PQL). Chlorobenzene was detected in well GMA5-6, also at an estimated level below the PQL. As shown in Tables 5 and 6 and discussed below, no VOCs were detected at levels exceeding the applicable Method 1 GW-2 or Method 1 GW-3 standards during the fall 2006 sampling round.

3.3.2 SVOC Results

Eight groundwater samples were analyzed for SVOCs during the fall 2006 groundwater sampling event. The SVOC analytical results, which are summarized in Tables 7 and C-1, show that a total of nine SVOCs were detected in either well GMA5-3 or GMA5-8, all at estimated values below the respective PQLs and well below the applicable GW-2 and/or GW-3 standards. No SVOCs were detected in the remaining six groundwater samples.

3.3.3 PCB Results

Unfiltered and filtered groundwater samples from eight wells were analyzed for PCBs as part of the fall 2006 sampling event. Split sets of filtered groundwater samples were analyzed for PCBs by two separate laboratories. The PCB analytical results are summarized in Tables 7 and C-1.

PCBs were detected in seven of the eight unfiltered samples at concentrations ranging from 0.00004 ppm at well GMA5-4 (estimated concentration) to 0.00079 ppm at well GMA5-8. No PCBs were detected in the unfiltered sample from well GMA5-5.

PCBs were detected in two of the eight filtered samples analyzed by NEA at concentrations of 0.000054 ppm (well GMA5-3) and 0.000024 ppm (well GMA5-7), while no PCBs were detected in the groundwater samples analyzed by SGS. The variation in sample results is

due to the fact that the detection limit reported by SGS for the GMA5-3 and GMA5-7 samples was greater than the trace PCB concentrations reported by NEA. The concentrations of filtered PCBs detected in the samples by NEA are well below the MCP GW-3 standard for PCBs.

3.3.4 Pesticide/Herbicide Results

Groundwater samples collected from eight groundwater quality monitoring wells were analyzed for pesticides during the fall 2006 sampling event. The validated analytical results are summarized in Tables 7 and C-1. Trace levels of two organochlorine pesticides (dieldrin at well GMA5-7 and endrin aldehyde at well GMA5-3) were detected at estimated concentrations below the associated PQLs. No other pesticides or herbicides were detected in the remaining groundwater samples analyzed during this sampling event. These results are consistent with previous sampling events indicating that pesticide and herbicide compounds are not constituents of interest in groundwater at GMA 5.

3.3.5 PCDD/PCDF Results

Groundwater samples collected from eight monitoring wells were analyzed for PCDDs/PCDFs during the fall 2006 sampling event. The analytical results are summarized in Tables 7 and C-1. 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 of the analytical detection limit for those compounds. Thus, total TEQ concentrations are presented for all eight groundwater samples analyzed during this sampling event, even though individual PCDD/PCDF compounds were only detected in five samples. Total TEQ concentrations ranged from 6.6×10^{-9} ppm to 8.1×10^{-9} ppm.

3.3.6 Inorganic Constituent Results

Unfiltered and filtered groundwater samples were obtained from eight monitoring wells for analysis of inorganic constituents during the fall 2006 sampling event. The analytical results for these samples are summarized in Tables 7 and C-1 within Appendix C.

All sampling locations contained inorganic constituents in either the unfiltered or filtered samples. Up to 14 individual inorganic constituents were observed in the unfiltered samples, and up to 13 individual inorganic constituents were detected in at least one filtered sample. The most commonly observed inorganics were lead (detected in three unfiltered

samples and four of the filtered samples), selenium (detected in three of the unfiltered and three of the filtered samples), barium (detected in three of the unfiltered sample and three filtered samples), and chromium (detected in three of the unfiltered sample and three filtered samples). Although total cyanide was detected in one of the unfiltered samples and one filtered sample, no physiologically available cyanide was detected in any of the eight groundwater samples. Sulfide was not detected in any of the samples analyzed in fall 2006.

Except for the filtered cadmium result at well GMA5-4, all detected inorganic constituent concentrations were below the applicable MCP Method 1 GW-3 standards. Cadmium in well GMA5-4 was detected at an estimated concentration of 0.0411 ppm, which is above the MCP Method 1 GW-3 standard of 0.004 ppm. No cadmium was detected in the unfiltered sample that was analyzed from this location.

3.4 Evaluation of Groundwater Quality – Fall 2006

For the purpose of assessing current groundwater conditions, the analytical results from the fall 2006 groundwater sampling event were compared to the applicable groundwater Performance Standards for GMA 5. These Performance Standards are described in Section 3.2 above and are currently based on the MCP Method 1 GW-2 and/or GW-3 standards. The following subsections discuss the fall 2006 groundwater analytical results in relation to these Performance Standards, as well as in relation to the MCP UCLs for groundwater. In support of those discussions, Tables 5 and 6 provide a comparison of the concentrations of detected constituents with the currently applicable GW-2 and GW-3 standards, respectively, while Table 7 presents a comparison of the concentrations of detected constituents with the groundwater UCLs.

Additionally, as discussed in Section 3.5 below, concentrations of certain petroleum hydrocarbon compounds in wells installed and monitored by ExxonMobil Oil Corporation at their Elm Street Mobil Site exceeded Method 1 GW-2 and/or GW-3 Standards. These wells were installed at the southwest corner of GMA 5, as part of ongoing remedial investigations and monitoring activities being conducted at that site. Groundwater quality data obtained during those investigations since July 2006 (when the last GMA 5 Groundwater Quality Report was submitted) until March 2007 is provided in Appendix F. Matters concerning water quality at that site are being addressed by ExxonMobil.

3.4.1 Fall 2006 Groundwater Results Relative to GW-2 Performance Standards

During the fall 2006 interim groundwater quality monitoring event at GMA 5, groundwater samples were collected from three wells designated as GW-2 monitoring locations (i.e., wells GMA5-1, GMA5-3 and GMA5-7). The fall 2006 groundwater analytical results for all detected constituents subject to MCP Method 1 GW-2 standards are presented in Table 5, along with a comparison of those results to the applicable GW-2 standards. PCE and TCE were the only VOCs detected in any of the GW-2 wells and were only observed in the sample from well GMA5-7. PCE was detected at a concentration of 0.046 ppm, which is below the MCP GW-2 standard of 0.05 ppm. The TCE concentration observed in the GMA5-7 sample (0.0023 ppm) is an order of magnitude below the MCP GW-2 standard of 0.03 ppm for this constituent.

Five SVOCs (acenaphthene, diethylphthalate, fluoranthene, fluorine, and pyrene) were detected in well GMA5-3 at estimated concentrations less than the PQL. The only detected SVOC with an associated GW-2 standard was diethylphthalate and the concentration of this constituent in the GMA5-3 sample (estimated at 0.0018 ppm) is well below the GW-2 standard of 50 ppm. No SVOCs were detected in the two other GW-2 wells (GMA5-1 and GMA5-7) analyzed during the fall 2006 sampling event.

None of the three GW-2 wells exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells located within 30 feet of a school or occupied residential structure and as a trigger level for the proposal of interim response actions).

3.4.2 Fall 2006 Groundwater Results Relative GW-3 Performance Standards

Groundwater samples were collected from eight wells designated as GW-3 monitoring points during the fall 2006 interim sampling event. The fall 2006 groundwater analytical results for all constituents detected in these wells and a comparison of those results with MCP Method 1 GW-3 standards are presented in Table 6. As shown in that table, the cadmium concentration detected in the filtered sample collected from well GMA5-4 (estimated at 0.00411 ppm) slightly exceeds the recently revised MCP GW-3 standard of 0.004 for this constituent. This is the first time that this standard, which is lower than the PQL of 0.005 ppm for cadmium, has been exceeded at this GMA. Cadmium was not detected in the associated unfiltered sample from well GMA5-4. No other constituents exceeded the applicable GW-3 standards in fall 2006.

3.4.3 Comparison of Fall 2006 Groundwater Results to Upper Concentration Limits

In addition to comparing the fall 2006 groundwater analytical results with applicable MCP Method 1 GW-2 and GW-3 standards, the analytical results from all wells that were sampled were compared with the UCLs for groundwater specified in the MCP (310 CMR 40.09996(7)). These comparisons, presented in Table 7, show that none of the detected constituents exceeded its respective UCL.

3.5 Adjacent MCP Site Monitoring Results

As discussed above in Section 1.3, the Former Elm Street Mobil Site (MDEP Site No. 1-0539, Tier 1B Permit No. 78741) is located on adjacent, upgradient property near the southwestern corner of GMA 5. This separate disposal site (as designated under the MCP) is currently being addressed by ExxonMobil pursuant to the MCP under an Administrative Consent Order with MDEP.

The Addendum to the GMA 5 Baseline Monitoring Proposal requires that GE include available monitoring results from response actions performed by ExxonMobil in the baseline monitoring reports for GMA 5. The most recent review of the MDEP file for the Elm Street Mobil Site was conducted on March 21, 2007. Four documents pertaining to groundwater investigations and response actions that have been issued for that site since the submission of the last GMA 5 Groundwater Quality Report in July 2006 were reviewed. Those documents include:

- Best Management Practices Plan - Annual Certification, Remediation General Permit Authorization No. MAG910107 (Camp, Dresser and McKee, Inc. [CDM], February 14, 2007).

- Phase V Inspection and Monitoring Report and Remedial Monitoring Report (CDM, December 26, 2006).

- Initial Six Month Recertification, Notice of Change, and Updated Dilution Factor (CDM, July 28, 2006).

- Phase V Inspection and Monitoring Report and Remedial Monitoring Report (CDM, June 26, 2006).

A site map and pertinent monitoring results from the most recent report reviewed for the Former Elm Street Mobil Site (i.e., the December 26, 2006 Phase V Inspection and Monitoring Report and Remedial Monitoring Report) are provided in Appendix F. That report describes the total volume of hydrocarbons removed and the effectiveness of the soil vapor extraction system. As shown in the CDM-prepared tables provided in Appendix F, the total amount of hydrocarbons removed by this system during the period of July 19, 2004 through January 31, 2006 is 3,075.3 pounds. That report also summarizes the removal and replacement of an aboveground storage tank (AST) by Clean Harbors, Inc. in June 2006. The AST was used for storage of recovered oil from the on-site oil/water separator.

A review of the analytical results for the most recent groundwater sampling events, conducted in May 2006 and September 2006, indicate that each of the volatile petroleum hydrocarbon (VPH) target analytes - benzene, toluene, ethylbenzene, total xylenes (i.e., BTEX), Total BTEX, MTBE and naphthalene - were detected in one or more groundwater samples. While at least one of these VPH target analytes were detected at many wells, total xylenes was the only constituent that exceeded its respective MCP Method 1 GW-3 Standard (500 ug/L). At least one VPH fraction - C5-C8 aliphatics, C9-C12 aliphatics, and/or C9-C10 aromatics - was also detected in one or more of these wells sampled in May 2006. Concentrations of each of these VPH Fractions exceeded the MCP Method 1 GW-2 and GW-3 Standards in at least one well.

As part of the ongoing investigation and remediation of the Elm Street Mobil Site and off-site properties, ExxonMobil collected groundwater elevations and NAPL thickness measurements at several wells at and near that site during the period from December 2005 through September 20, 2006. Because of the various screen depths in the wells installed as part of the Elm Street Mobil Site, the presence of NAPL, and the performance of vacuum extraction at certain of these wells, groundwater elevation measurements from all of these wells do not provide a consistent pattern of groundwater flow. In addition, since these measurements were not collected concurrently with the groundwater elevation monitoring conducted by GE, they are not included on the groundwater contour figures for GMA 5. However, as required by EPA's Conditional Approval Letters dated December 23, 2002 and September 23, 2003, GE measured groundwater elevations at six wells installed as part of the Elm Street Mobil Investigation (i.e., wells GES-7, GES-8, GES-9, GT-7, GT-101, and GT-102) during its GMA 5 groundwater elevation monitoring events. The measurements taken at the GMA 5 wells and the ExxonMobil wells are shown on Figure 3 for the fall 2006 monitoring round.

On July 19, 2004, groundwater recovery utilizing a vacuum-enhanced groundwater extraction (VEGE) system was initiated at the Former Elm Street Mobil Site. A Remediation General Permit (RGP) for the new (VEGE) system was initially granted by EPA on December 9, 2005 but was revised and re-issued by EPA on February 8, 2006. As part of this RGP, an annual National Pollution Discharge Elimination System (NPDES) certification is required, as well as an initial six month recertification. The NPDES certification is for the discharge associated with the performance of the (VEGE). The annual recertification process of the NPDES is outlined in the Best Management Practices Plan report submitted by CDM on February 14, 2007. The initial six month recertification is outlined in The Initial Six Month Recertification, Notice of Change, and Updated Dilution Factor report submitted by CDM on July 28, 2006.

4. Overall Assessment of Groundwater Quality

4.1 General

This report constitutes the seventh groundwater quality monitoring report submitted since commencement of the GMA 5 baseline groundwater monitoring program and the final report on the baseline groundwater assessment. The information presented herein is based on the laboratory results obtained during the course of the GMA 5 baseline and interim groundwater monitoring programs.

For the purpose of assessing overall groundwater conditions and identifying locations and constituents for inclusion in a long-term groundwater quality monitoring program, the analytical results from the baseline and interim groundwater sampling events were compared to the applicable groundwater Performance Standards for GMA 5, which are described in Section 3.2 above.

The following subsections present an overview of hydrogeologic conditions at the Site, an overview of the nature and extent of substances in groundwater at the Site, the identification of the wells used to measure compliance with Performance Standards, an identification of the areas where GW-2 standards apply, a statistical assessment of the data, a comparison of the baseline groundwater analytical results to the Performance Standards, an overall assessment of groundwater quality data, an evaluation of the need for follow-up investigations, assessments, or interim response actions, and the basis for the proposed long-term monitoring program. In support of those discussions, Table D-1 in Appendix D contains a summary of all analytical data collected at GMA 5 since commencement of the baseline monitoring program in spring 2002.

4.2 Overview of Hydrogeologic Conditions at the Site

In general, two unconsolidated hydrogeologic units are present within GMA 5. These units are briefly described below:

Surficial Deposits - This unit generally consists of heterogenous fill materials and alluvial sands and gravels. These sands and sandy gravels are well-sorted and were deposited as glacial outwash and/or in association with recent depositional processes within the Housatonic River. Isolated peat deposits are also present, typically at depths corresponding to the bottom elevations of the river and the former oxbows. At certain locations within GMA 5, non-native fill materials are present above the alluvial deposits. These fill materials typically consist of sand, gravel, cinders, brick, and wood.

The alluvial unit extends from ground surface to depths of at least 25 feet. Fill materials, where present, have been observed to depths of 7 to 17 feet. From a hydrogeologic perspective, the fill and the sand/gravel deposits act as a single unit. All of the existing monitoring wells within GMA 5 are screened within this unit, as it is the upper and primary water-bearing unit within the GMA. Groundwater is encountered under unconfined conditions within this unit at depths between eight and fifteen feet below ground surface.

Glacial Till - Based on boring results at nearby locations within the Lyman Street Area and Newell Street Area II (within GMA 1), glacial till underlies the alluvial deposits and typically consists of dense silt containing varying amounts of clay, sand, and gravel. Discontinuous sandy lenses also have been identified in the till within the central portion of the Lyman Street Area RAA to the north of GMA 5. Till is generally encountered at depths beginning at approximately 20-25 feet beneath the Lyman Street Area to the north and at approximately 40 feet at Newell Street Area II to the east. No wells or borings have been installed to till beneath GMA 5.

The unconsolidated units at GMA 5 overlie bedrock. Based on information obtained from nearby areas, bedrock occurs at depths up to approximately 50 to 60 feet near the Housatonic River. The bedrock consists of white coarse-grained marble associated with the Stockbridge Formation.

Groundwater at GMA 5 generally flows toward the Housatonic River and is primarily influenced by the area's location (adjacent to the river). Figure 3 illustrates typical water table conditions, using groundwater data obtained during the fall 2006 groundwater monitoring event. The average depth to groundwater ranges from approximately 8 feet (in the eastern portion of the GMA) to over 15 feet (in the western portion of the GMA). This variation in depth to groundwater is attributed to an increase in ground surface elevations across the western portion of the GMA, as little change in groundwater elevations are observed at monitoring wells located at similar distances from the river. As such, it appears that the localized changes in surface topography have little influence on groundwater flow characteristics.

A drainage ditch extends northeast from Former Oxbow Area A into Former Oxbow Area C. The ditch then turns toward the northwest and discharges into the Housatonic River, bisecting Former Oxbow Area C. The presence of this drainage ditch, which serves as a City of Pittsfield stormwater discharge point, may locally influence groundwater flow in its immediate vicinity, but the overall flow direction is still toward the Housatonic River.

4.3 Overview of the Nature and Extent of Substances in Groundwater at the Site

4.3.1 Actual or Potential Sources of Constituents within the GMA

Based on current information, the principal potential constituent sources that could potentially affect groundwater quality within GMA 5 appear to include the former oxbows and existing or historical commercial businesses located within or upgradient of this GMA. These potential sources are described below.

Former Oxbows - As a result of the straightening of the Housatonic River channel in the late 1930s and early 1940s, Former Oxbows A and C were isolated from the newly formed channel of the river. These oxbows were subsequently filled with materials originating from the GE facility as well as other sources. There are no available records that provide information regarding the specific type or origin of the fill materials, or parties involved in the filling activities. The former oxbow areas are labeled as “disposal areas” on re-channelization drawings developed by the City of Pittsfield in 1940. These areas were publicly accessible and it is likely that a variety of industries and/or individuals contributed fill material. A review of historical photographs indicates that the former river channel in Oxbow Area A and other portions of this area were filled prior to 1969. Filling of this area allegedly continued until into the 1980s. Review of these photographs also indicates that large portions of Former Oxbow Area C were filled prior to 1956, while other portions were not filled until the 1970s.

Other Sources - In addition to fill materials that have been placed within the former oxbows, it is possible that there are other potential contributing sources of groundwater constituents to GMA 5. Commercial businesses present within or upgradient of GMA 5 include an existing laundromat and car wash, as well as a former gasoline station. These operations are located adjacent to Former Oxbow Area A, in the southwest corner of the GMA.

4.3.2 Spatial Distribution of Constituents within the GMA

Appendix D contains a summary of all analytical data collected at GMA 5 since commencement of the baseline monitoring program in spring 2002. Table D-1 presents the baseline data from all monitoring wells and Tables D-2 through D-9 contain a summary of the detected results for each monitoring well that was sampled during the baseline monitoring program. As seen on those tables, very few constituents were consistently detected during the baseline period. The observed detections were sporadic and spread throughout most of the GMA 5 wells, resulting in an apparent scattered distribution of occasionally-detected constituents.

Low levels of VOCs, PCBs, and inorganics were detected in several wells across the GMA. In general however, higher constituent concentrations and more frequent detections were observed in or near Oxbow Area A in the western portion of the GMA. In particular, chlorinated VOCs and PAHs are primarily, but not exclusively, found at the monitoring wells installed in or around the western oxbow.

4.3.3 Actual Migration or Potential for Migration of Constituents Outside the GMA

Based on current and historical groundwater elevation data, groundwater flows in a generally north-northwesterly direction toward the Housatonic River. As such, constituents in groundwater would be expected to migrate in this general northward direction within the GMA.

Hydraulic conductivity data (as previously presented on Table 3 and Appendix C of the Groundwater Quality Monitoring Report for Spring 2002) indicate a wide range in conductivities, varying from 1.99 feet/day (at GMA5-7, located along the Housatonic River in the northwestern portion of the GMA) to 260.13 feet day (at GMA5-6, located along the Housatonic River in the northeastern portion of the GMA). The geometric mean of the calculated hydraulic conductivity values for GMA 5 is 17.76 feet/day.

Groundwater velocities were calculated for GMA 5 using the above referenced hydraulic conductivities as well as representative horizontal gradients. Groundwater elevation contours developed for the fall 2006 report were used in calculating the horizontal gradients for the western and eastern portions of the GMA. The western portion indicated a gradient of 0.027 feet/feet, with a lesser gradient in the eastern portion (0.0071 feet/feet). Using a variation of Darcy's Law to account for flow through porous media (v=Ki/n, where v is velocity, K is hydraulic conductivity, i is the gradient, and n is porosity), a range of velocities for GMA 5 were calculated. These calculated velocities ranged from a minimum of 0.05 feet per day to a maximum of 35.12 feet day, with a geometric mean of 1.18 feet per day calculated for the dataset. These calculations used a porosity range of 20 to 30 percent, which is typical for granular aquifers.

To the extent that constituents exist within the groundwater at GMA 5, they would migrate northward towards the Housatonic River (which borders the GMA to the north). An exception to this occurs in the vicinity of the remediation system installed at the ExxonMobil property, where active groundwater pumping is designed to capture and control the migration of dissolved phase constituents and NAPL. Groundwater contour maps developed for the Site do not indicate a migration pathway from the GMA other than the direction of regional groundwater flow to the river. In addition, although a variation in

hydraulic conductivities has been observed in site monitoring wells, the calculated geometric mean flow through the groundwater system is similar to that typically observed for the types of materials within the subsurface at the GMA.

Downgradient perimeter monitoring wells GMA5-3, GMA5-4, GMA5-5, GMA5-6 and GMA5-7 are well-situated to monitor the potential migration of constituents off-site toward the Housatonic River. Although several constituents have been detected in these wells, very few have been observed at concentrations at or near the GW-3 standards. Sampling results from these perimeter wells are discussed further in Section 4.8.

4.3.4 Assessment of the Adequacy of the Monitoring Locations Used During the Baseline Program

Eight monitoring wells were sampled during the baseline monitoring program at GMA 5. These wells were installed at EPA-approved locations at upgradient and downgradient locations relative to each of the two former oxbows present at this GMA. Five of these wells are located along the downgradient perimeter of the GMA, adjacent to the Housatonic River at an approximate spacing ranging from 150 to 450 feet between wells. The wells were specifically located to monitor the downgradient edge of former oxbow fill areas. Additional monitoring wells are sampled by ExxonMobil as part of its ongoing investigation and remediation of the Elm Street Mobil Site. Information relative to those sampling activities has been compiled by GE and included in its GMA 5 reports.

In addition to the groundwater quality sampling points, GE has monitored six monitoring wells installed by ExxonMobil and formerly monitored two additional wells (wells C-1 and C-2) for groundwater elevations and presence of NAPL. Although NAPL is known to be present in the subsurface at the Elm Street Mobil Site, no NAPL has been detected in any of the wells at GMA 5 monitored by GE. Additional upgradient wells located at the Elm Street Mobil Site are monitored by ExxonMobil and those results have also been compiled by GE in its GMA 5 reports.

Wells C-1 and C-2 were decommissioned with EPA's approval as part of the remediation of former Oxbow C. These wells were located near wells GMA5-5 and GMA5-6 and are not needed either to prepare groundwater contour mapping for GMA 5 or to monitor for constituents in groundwater, as the existing monitoring well network is sufficient for these purposes. As such, GE does not propose to install replacement wells at those locations and has not identified any other areas were new wells would be warranted.

The data collected during the baseline monitoring program provide no indication that the wells used during that program were inadequate to characterize groundwater flow patterns or to delineate areas of constituent concentrations. In addition, no observations were made during the soil-related Removal Actions conducted between July and November 2006 at the Former Oxbows Area A and C RAAs that would indicate additional/previously-unknown potential sources that could impact groundwater quality. Accordingly, GE believes that the wells used during the baseline monitoring and interim monitoring programs were adequate to provide an accurate and complete profile of the groundwater within GMA 5.

4.3.5 Evaluation of Variations in Groundwater Quality

A review of the historical groundwater analytical data from the Site was completed in order to identify and assess variability in data between sampling events and potential root causes of those variations. This evaluation was also performed to identify potential impacts on the groundwater (if any) from the installation and operation of the temporary dam in the Housatonic River adjacent to GMA 5 (utilized between September 2003 and January 2006). Since several of the constituents detected in groundwater during the baseline monitoring program were only found at very low concentrations during some of the sampling events, this evaluation focuses on the primary constituent groups of interest at the site (i.e., VOCs and PCBs), which were detected at a sufficient frequency to allow general comparisons between sampling events. Graphs of total VOC and total PCB concentrations are provided in Appendix D.

Five full baseline sampling events (Spring 2002, Fall 2002, Spring 2003, Fall 2003, and Fall 2006) and two interim sampling events (at certain wells in Spring 2004 and Spring 2006) have been completed at GMA 5. The Fall 2003 sampling event (completed in October of 2003) was the only full baseline sampling event conducted during the time that the temporary dam (installed in September of that year) was in use. Therefore, the Fall 2003 sampling event was used as the representative sampling event for comparison with the remaining sampling rounds to identify any potential impacts that the operation of the dam may have had on groundwater quality within GMA 5.

VOCs have been detected in each of the wells at least once since the inception of the baseline monitoring program. The majority of detections are at trace concentrations near or below the method detection limit of the lab. The data show no overall trends or seasonal variations in the concentration versus time plots contained in Appendix D. However, an apparent increase in VOC concentrations over time is evident at well GMA5-7, based primarily on an increase in PCE concentrations during the monitoring period. A decrease in concentrations of PCE, and consequently, total VOCs, however, was observed in the most

recent monitoring event (fall 2006). It should be noted that well GMA5-7 is located in close proximity to an operating laundromat and GE believes it is highly unlikely that any PCE found in this well is related to former GE operations at the Site.

PCBs were also detected at least once in each of the eight wells during the baseline sampling events, at levels significantly below the applicable MCP GW-3 standard or UCLs for groundwater. Minor fluctuations in concentrations of PCBs were observed between each of the sampling events, but no clear increasing or decreasing trends are evident in the available data. In certain years, PCB concentrations were slightly higher in the fall than in the prior spring, but these minor fluctuations are not consistent from year to year and do not appear to be representative of changes due to seasonal influences.

Comparison between the fall 2003 sampling round (during the presence of the temporary dam) and the remaining semi-annual sampling events indicate little to no variation in groundwater concentrations on account of the temporary dam, with the exception of minor detections of VOCs at wells GMA5-4 and GMA5-5, which are located upstream relative to the temporary dam. Each of these wells contained trace levels of toluene (at concentrations below the laboratory detection limit) in fall 2003, while no VOCs were detected in these wells during any other monitoring events. Toluene was observed at other GMA 5 wells in fall 2003 and during other baseline monitoring events, so it does not appear that these low level detections were attributable to operation of the temporary dam. Some monitoring wells (i.e., wells GMA5-1, GMA5-4, GMA5-6, and GMA5-7) showed their highest PCB concentrations in fall 2003, but, with the exception of the filtered sample from well GMA5-6 (where no PCBs were detected in filtered samples during any other monitoring rounds), the detected concentrations were not significantly greater than those observed during the other baseline sampling events.

Based on the review of the baseline sampling events completed prior to the dam installation, while the dam was present, and following the removal of the temporary dam, there is no indication of an influence on groundwater quality as a result of dam operations. Constituent concentrations of PCBs and VOCs remained fairly consistent between sampling events. Therefore, data obtained during the time that the dam was in operation is considered to be representative of groundwater conditions at the GMA and will be utilized in any future statistical data evaluations to be conducted during the long-term monitoring program at GMA 5.

4.4 Identification of Wells Used to Measure Compliance with Performance Standards

The following monitoring wells have been utilized during the baseline monitoring period to preliminarily assess groundwater conditions relative to the GW-2, GW-3, and NAPL Performance Standards.

- GW-2 Performance Standards: Monitoring wells GMA5-1, GMA5-3, and GMA5-7
- GW-3 Performance Standards: Monitoring wells GMA5-1 through GMA5-8
- NAPL Performance Standards: Monitoring wells GMA5-1 through GMA5-8, C-1, C-2, GES-7 through GES-9, GT-7, GT-1-1, and GT-102.

The compliance points relative to the GW-3 Performance Standards are limited to the downgradient perimeter wells at GMA 5. Those wells are: GMA5-3, GMA5-4, GMA5-5, GMA5-6, and GMA5-7. The remaining wells are either upgradient perimeter wells (i.e., wells GMA5-1 and GMA5-2) or general/source area sentinel wells (i.e., well GMA5-8) that are not subject to compliance with the GW-3 Performance Standards.

4.5 Identification of Areas Where GW-2 Performance Standards Apply

Groundwater is subject to GW-2 classification if it occurs less than 15 feet below ground surface (bgs) and is located within 30 feet of an occupied building. The preliminary designation of wells GMA5-1, GMA5-3 and GMA5-7 as GW-2 wells was established during the development of the original baseline monitoring program. Pursuant to Section 6.3.2 of Attachment H, a review of groundwater elevation data collected between April 2002 and October 2006 was completed to evaluate the appropriateness of designating these wells as GW-2 wells in the long-term monitoring program.

Well GMA5-1 is located on the south side of GMA 5 (approximately 50 feet northeast of the automated carwash). Since April 11, 2002, the average depth to water at GMA5-1 has been 8.9 feet bgs, with a minimum of 7.61 feet bgs monitored on May 10, 2004, and a maximum of 11.37 feet bgs monitored on October 17, 2002. Although this well is located greater than 30 feet from an occupied building, the well was preliminarily classified as a GW-2 sentinel monitoring well at the inception of the baseline monitoring program. Based on the presence of groundwater at depths of less than 15 feet bgs, this well is considered representative of GW-2 groundwater. Well GMA5-3, located on the southwestern side of GMA-5 (along the Housatonic River), approximately 35 feet north of the manual carwash, was also classified as a GW-2 sentinel monitoring well. Since April 11, 2002 the average

depth to water measured at GMA5-3 has been 17.2 feet bgs, with a minimum of 15.22 feet bgs monitored on April 2, 2003, and a maximum of 18.91 feet bgs on October 21, 2003. Since all available measurements indicate that depth to groundwater is greater than 15 feet bgs, the GW-2 classification for this well is inappropriate. Nonetheless, a review of the sampling results indicates that the GW-2 standards would never have been exceeded at this well, even if those standards were applied.

Well GMA5-7 is located at the southwestern end of GMA-5 (along the Housatonic River) approximately 25 feet west of the laundromat facility. Since April 11, 2002, the average depth to water at GMA5-7 has been 14.3 feet bgs. The minimum depth to groundwater was 13.58 feet bgs (measured on 4/2/2003) and the maximum depth to groundwater was 19.06 feet bgs (measured on 4/30/2003). Groundwater levels have fluctuated above and below 15 feet bgs since monitoring began in 2002. Therefore, well GMA5-7 appears to be appropriately designated as a GW-2 well.

4.6 Statistical Assessment of Baseline and other Historical Data

The available dataset for GMA 5 consists of the results of five full baseline sampling events (Spring 2002, Fall 2002, Spring 2003, Fall 2003, and Fall 2006) and two interim sampling events (at certain wells in Spring 2004 and Spring 2006) that have been conducted since the initiation of baseline monitoring at GMA 5. GE believes that the amount of data available is insufficient to conduct a quantitative statistical assessment, particularly in regard to potential temporal trends in the results. Therefore, GE has prepared a general summary of the analytical results for all detected constituents at each monitoring well and performed a qualitative review of the concentration versus time graphs of selected data to identify potential trends (see Section 4.3.4 above). The summary statistics of the analytical data for each GMA 5 well are contained in Tables D-2 through D-9 in Appendix D.

The data summaries contained in Appendix D show that very few constituents were consistently detected in any of the GMA 5 monitoring wells. With the exception of PCE at well GMA5-7 (which, given the location of the well near a laundromat and the general absence of PCE elsewhere at the GMA, does not appear to be related to GE's former operations at the Site), most VOCs were only detected during one or two sampling events at any given well. A limited number of SVOCs were detected in two of the eight monitoring wells: GMA5-3 (only during one of five sampling events) and GMA5-8 (during one or two sampling events). PCBs, which were detected in most wells during three to five sampling events, were the most commonly detected constituent group. Due to the method used for the calculation of Total TEQs, which includes a value in the calculation of one-half of the detection limit for non-detected PCDD/PCDF congeners, calculated Total TEQs are

available for each sampling round, even where no PCDD/PCDF congeners were detected. Only two pesticides were detected during the baseline program. Each detection was limited to one monitoring well during a single sampling event. Several inorganics were detected in the groundwater samples, the most common being barium and zinc. Total cyanide was frequently detected in the unfiltered samples analyzed from several monitoring wells, but was rarely found in the corresponding filtered samples (no physiologically available cyanide was detected during the fall 2006 sampling event, which was the only round where this analytical protocol was utilized).

The average detected concentrations of all constituents are below the applicable GW-2 and GW-3 standards at all wells, except for wells GMA5-4 (GW-3 - cadmium) and GMA5-7 (GW-2 - vinyl chloride). However, at each of these wells, the constituent in question was only detected during a single sampling event at a level above the respective MCP criteria. Incorporation of the non-detect results at these locations produces adjusted average concentrations that are below the applicable Performance Standards.

4.7 Groundwater Results Relative to GW-2 Performance Standards

During the baseline groundwater quality monitoring program at GMA 5, groundwater samples were collected from three wells preliminarily designated as GW-2 monitoring locations (i.e., wells GMA5-1, GMA5-3 and GMA5-7). The groundwater analytical results for all constituents analyzed for at those wells are presented in Table D-1 of Appendix D. A total of six VOCs and five SVOCs have been detected in at least one of these three wells during one or more baseline or interim sampling round. The results for each of these wells are discussed in detail below.

At well GMA5-1, toluene was the only VOC detected during the baseline monitoring program. Toluene was detected during two of five sampling events at estimated concentrations of 0.0048 ppm (fall 2002) and 0.0014 ppm (fall 2003). These concentrations are well below the GW-2 standard of 8 ppm for toluene. No SVOCs have been detected at well GMA5-1.

At well GMA5-3, two VOCs (PCE and vinyl chloride) have been detected during the baseline monitoring program. PCE was detected during two of seven sampling events, at a maximum concentration of 0.012 ppm in spring 2002, and has not been detected since fall 2002. The MCP GW-2 standard for PCE is 0.05 ppm. Vinyl chloride was detected during three of seven sampling events at well GMA5-3, most recently in fall 2003. The MCP GW-2 standard for vinyl chloride is 0.002 ppm and the maximum concentration detected at this well was an estimated concentration of 0.0016 ppm in fall 2002. As discussed in Section

3.4.1 above, five SVOCs were detected at well GMA5-3 in fall 2006, which was the first sampling event where those constituents were detected. However, diethylphthalate was the only SVOC with a listed GW-2 standard (50 ppm) and the concentration in the GMA5-3 sample in fall 2006 (estimated at 0.0018 ppm) is well below that standard.

Six VOCs have been detected in samples from well GMA5-7 during the baseline monitoring program, including two constituents previously found at levels greater than their respective GW-2 standards. Specifically, PCE was detected at a maximum concentration of 0.062 ppm in spring 2006, which is somewhat higher than the MCP GW-2 standard of 0.05 ppm (although this GW-2 standard was 3 ppm until modified in early 2006). PCE was detected at levels below this standard during six other monitoring rounds conducted at this well. The maximum concentration of vinyl chloride in well GMA5-7 was detected in fall 2003, at 0.0029 ppm, which is slightly greater than the MCP GW-2 standard of 0.002 ppm. However, vinyl chloride was not detected during six other sampling events conducted at this well. None of the other four VOCs detected at this well had concentrations above their respective GW-2 standards during the sampling period. Three of these VOCs were only detected during a single monitoring round (i.e., acetone at a concentration of 0.014 ppm in spring 2003, compared to a GW-2 standard of 50 ppm; toluene at an estimated concentration of 0.0011 ppm in fall 2003, compared to a GW-2 standard of 8 ppm; and trans-1,2-dichlorethene at an estimated concentration of 0.00082 ppm in fall 2003, compared to a GW-2 standard of 0.09 ppm), while the fourth VOC, trichloroethene, was detected in four out of seven sampling events with a maximum concentration (0.0067 ppm in spring 2002) that is an order of magnitude below the GW-2 standard of 0.03 ppm. No SVOCs have been detected at well GMA5-7.

There were no other exceedances of the GW-2 standards during the baseline monitoring period. Appendix D provides a summary of the analytical data collected from each monitoring well during the baseline monitoring program, including a comparison of the analytical results to the applicable GW-2 and/or GW-3 Standards and MCP UCLs for groundwater. The following table summarizes all GW-2 constituents detected in wells designated as GW-2 monitoring points during the baseline monitoring program at GMA 5 and compares the maximum detected concentrations in those monitoring wells to the MCP Method 1 GW-2 standards:

ARCADIS BBL

Constituent	MCP Method 1 GW-2 Standard (ppm)	Maximum Concentration Detected in GW-2 Wells at GMA 5 (ppm)
Volatile Organic Compounds		
Acetone	50	0.014
Tetrachloroethene (PCE)	0.05	0.062
Toluene	8	0.0048 J
Trans-1,2-Dichloroethene	0.09	0.00082 J
Trichloroethene (TCE)	0.03	0.0067
Vinyl Chloride	0.002	0.0029
Semivolatile Organic Compounds		
Diethylphthalate	50	0.0018 J

Note:

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

None of the three GW-2 wells has ever exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells located within 30 feet of a school or occupied residential structure and as a trigger level for the proposal of interim response actions).

4.8 Groundwater Results Relative to GW-3 Performance Standards

During the baseline groundwater quality monitoring program at GMA 5, groundwater samples were collected from eight wells designated as GW-3 monitoring locations (i.e., wells GMA5-1 through GMA5-8). Except for general/source area sentinel well GMA5-8, each of these wells was designated as a GW-3 perimeter well. Wells GMA5-1 and GMA5-2 are upgradient perimeter wells, while wells GMA5-3 through GMA5-7 are downgradient perimeter wells that will ultimately serve as compliance points for the GW-3 standards. The groundwater analytical results for all constituents analyzed for at those wells are presented in Table D-1 of Appendix D.

Only two exceedances of the MCP GW-3 standards were recorded during the baseline monitoring program at GMA 5. As shown in Table 6 and discussed in Section 3.4.2 above, the cadmium concentration detected in well GMA5-4 (0.00411 ppm) in fall 2006 slightly exceeds the Method 1 GW-3 standard of 0.004 ppm (which was reduced from the former

GW-3 standard of 0.01 ppm in 2006). In addition, during the fall 2003 sampling round, the MCP GW-3 standard for PCDD/PCDF total TEQs (1.0×10^{-7} ppm) was exceeded at well GMA5-3 when a total TEQ concentration of 1.4×10^{-7} was calculated. It should be noted, however, that all individual PCDD/PCDF concentrations in that sample were reported as non-detect and the apparent exceedance is an artifact of the calculation methodology which utilizes one-half of the detection limit for non-detected congeners. As shown in Appendix D, this calculated TEQ concentration was an order of magnitude higher than any other concentration in this well over the remainder of the baseline monitoring period, and was the result of an unusually high detection limit.

There were no other exceedances of the GW-3 standard during the baseline monitoring period. Appendix D provides a summary of the analytical data collected from each monitoring well during the baseline monitoring program, including a comparison of the analytical results to the applicable GW-2 and/or GW-3 Standards and MCP UCLs for groundwater. The following table summarizes all constituents detected at GMA 5 during the baseline monitoring period and compares the maximum detected concentrations in GMA 5 wells to the MCP Method 1 GW-3 standards:

Constituent	MCP Method 1 GW-3 Standard (ppm)	Maximum Concentration Detected at GMA 5 (ppm)
Volatile Organic Compounds		
Acetone	50	0.091
Benzene	10	0.00024 J
Chlorobenzene	1	0.00032 J
Tetrachloroethene (PCE)	30	0.062
Toluene	4	0.0048 J
Trans-1,2-Dichloroethene	50	0.00082 J
Trichloroethene (TCE)	5	0.0067
Vinyl Chloride	50	0.0029
Semivolatile Organic Compounds		
Acenaphthene	5	0.0041 J

Constituent	MCP Method 1 GW-3 Standard (ppm)	Maximum Concentration Detected at GMA 5 (ppm)
Dibenzofuran	Not Listed	0.0032 J
Diethylphthalate	9	0.0018 J
Fluoranthene	0.2	0.0033 J
Fluorene	3	0.0049 J
Naphthalene	20	0.0060 J
Phenanthrene	0.05	0.0056 J
Pyrene	0.02	0.0028 J
PCBs (Filtered Samples)		
Total PCBs	0.0003	0.00020
Pesticides/Herbicides		
Dieldrin	0.00005	0.000020 J
Endrin Aldehyde	Not Listed	0.000044 J
PCDDs/PCDFs		
Total TEQs (WHO TEFs)	1.0×10^{-7}	1.4×10^{-7}
Inorganic Constituents (Filtered Samples)		
Antimony	8	0.0110 B
Barium	50	0.24
Beryllium	0.05	0.00591 B
Cadmium	0.004	0.00411
Chromium	0.3	0.00449 J
Cobalt	Not Listed	0.00600 B
Copper	Not Listed	0.00973 B
Total Cyanide	0.03	0.0062 B
Physiologically Available Cyanide	0.03	None Detected
Lead	0.01	0.00454 B

Constituent	MCP Method 1 GW-3 Standard (ppm)	Maximum Concentration Detected at GMA 5 (ppm)
Mercury	0.02	0.00090
Nickel	0.2	0.0110 B
Selenium	0.1	0.0145 J
Silver	0.007	0.00180 B
Tin	Not Listed	0.00880 B
Vanadium	4	0.00174 B
Zinc	0.9	0.420 J

Notes:

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

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

As seen on the above table, aside from the two exceedances discussed above, the maximum detected constituent concentrations at GMA 5 were generally well below the MCP GW-3 standards, often by one or more orders of magnitude.

4.9 Overall Assessment of Groundwater Quality Data

Graphs illustrating historical total VOC and total PCB concentrations for all wells sampled during the baseline monitoring program at GMA 5 are presented in Appendix D. In addition, Appendix D contains graphs of historical concentrations of individual constituents that exceeded the applicable MCP Method 1 GW-2 or GW-3 standards during any of the prior baseline monitoring program sampling events. GE has also performed general statistical reviews and trend assessments of the baseline groundwater data, as discussed below.

4.9.1 VOCs

As shown in the graphs in Appendix D, total VOC concentrations decreased to non-detectable levels in well GMA5-3 in the spring 2004 and spring 2006 baseline sampling events, in contrast to a maximum concentration of 0.012 ppm during the earlier baseline rounds. Total VOC concentrations in well GMA5-7 have shown an apparent general increase over recent sampling rounds, corresponding to an increase in PCE concentrations at this location. However, the concentration of PCE in fall 2006 decreased compared to spring 2006 results, and was below the MCP GW-2 Standard (0.05 ppm). Well GMA5-8

had an isolated detection of 0.087 ppm total VOCs in April 2003. However, all other sampling rounds were either non-detect or had concentrations significantly less than during the spring 2003. Total VOC concentrations at each well remain well below the level (5 ppm) specified in the SOW as a notification level for GW-2 wells and as a trigger level for the proposal of interim response actions.

Tetrachloroethene (PCE) has been detected in well GMA5-7 during each sampling round, as shown in the graph in Appendix D. During the spring 2006 sampling event, the concentration of PCE detected in this well (0.062 ppm) exceeded the GW-2 standard of 0.05 ppm for this constituent. However, in the fall 2006 sampling round the concentration detected in this well (0.046 ppm) was below the GW-2 standard. The average concentration of PCE during the baseline program is approximately 0.03 ppm, which is less than the GW-2standard (0.05 ppm). As noted above, given the location of this well near an operating laundromat and the general absence of PCE elsewhere in the GMA, it appears that the PCE in this well is not related to former GE operations at the site. Nonetheless, in Section 6.2.1 below, GE proposes to sample this well during the long-term monitoring program to confirm that the GW-2 Performance Standard for PCE has been attained.

The GW-2 standard for vinyl chloride (0.002 ppm) was exceeded in well GMA5-7 during the Fall 2003 sampling round, when the detected concentration was 0.0029 ppm, as shown in the historical vinyl chloride concentration graph for this well in Appendix D. This was the only time the vinyl chloride standard was exceeded in GMA 5 and also the only time any vinyl chloride was detected in samples from this well. Although long-term monitoring does not appear to be necessary to address the presence of vinyl chloride in well GMA5-7, this constituent will continue to be analyzed as part of the VOC sampling proposed due to PCE concentrations in well GMA5-7.

4.9.2 PCBs

Graphs showing total filtered PCB concentrations for the wells in GMA 5 are also presented in Appendix D. There were no exceedances of the MCP Method 1 GW-3 standard for PCBs in the GMA 5 wells during the baseline monitoring period. The concentrations of PCBs in a few wells showed slight apparent increases until the fall 2003 sampling round, but remained below the 0.0003 ppm GW-3 standard. Most of the PCB concentrations appear to have slightly decreased since that time.

4.9.3 PCDDs/PCDFs

Also during the fall 2003 sampling round, the MCP GW-3 standard for PCDDs/PCDFs (total TEQs) of 1.10 x 10^{-7} was apparently exceeded at well GMA5-3 when a total TEQ concentration of 1.4 x 10^{-7} was detected, even though no PCDD/PCDF congeners were detected. As shown in the graph in Appendix D, this calculated concentration was an order of magnitude higher than any other concentration reported in this well over the baseline monitoring program period and is attributed to elevated detection limits utilized in the TEQ calculation. There were no other exceedances of total TEQs for this or any other well in GMA 5.

4.9.4 Inorganics

As shown in Appendix D, well GMA5-4 contained an estimated cadmium concentration of 0.00411 ppm in fall 2006, which is slightly above the GW-3 standard. Cadmium was not detected in any of the previous samples of this well during the baseline monitoring program. To further assess this latest result, in Section 6.2.1 below, GE proposes to sample this well during the long-term monitoring program.

4.9.5 Concentration Trends

A review of the baseline analytical data was conducted to identify potential trends in the changes of constituent concentrations through time at each monitoring well, particularly potential trends relating to the concentrations of individual constituents that exceeded (or nearly exceeded) the applicable MCP Method 1 GW-2 or GW-3 standards at select monitoring wells during any of the prior baseline/interim monitoring program sampling events. These preliminary evaluations consisted of examining the ranges of detected constituent frequencies and concentrations for each well. The results of these evaluations are presented in Tables D-2 through D-9 of Appendix D.

As discussed in Section 4.3.4, the PCE concentration over time at well GMA5-7 appears to show an increasing trend, despite the decrease in PCE concentration observed during the most recent sampling event. No trends are evident in the concentrations of the remaining constituents that showed exceedances of applicable Performance Standards during baseline monitoring. In Section 6.2.1 below, GE proposes to continue to sample well GMA5-7 for VOCs during the long-term monitoring program to monitor compliance with the GW-2 Performance Standard.

As discussed in Section 6.8 additional statistical analyses are proposed to be conducted during the long-term groundwater monitoring program to determine the statistical significance of any potential trends identified during that program.

4.10 Evaluation of the Need for Follow-up Investigations, Assessments, or Interim Response Actions

The baseline and interim monitoring programs did not reveal any significant data gaps concerning groundwater quality that would suggest the need for any further investigations or assessments other than the long-term monitoring program proposed herein. The groundwater quality and elevation data do not point to any other areas not already sampled that should now be sampled or any other analyses not already performed that should be performed. In addition, no observations were made during the soil-related Removal Actions at the Former Oxbows Area A and C RAAs that would indicate the need for additional groundwater investigations.

Similarly, the levels of substances found in the wells do not suggest the need for any interim response actions at GMA 5. The detected concentrations were generally very low in relation to any applicable GW-2 or GW-3 standards. At those few wells that have shown concentrations of constituents at levels somewhat greater than the applicable GW-2 or GW-3 Performance Standards, those exceedances have been isolated and intermittent and generally low level exceedances (i.e., the concentration did not exceed the applicable standard by a substantial amount). There have been no wells at which any detected concentration suggests the need for an interim response action apart from continued long-term monitoring at certain of these locations. If any exceedances of the groundwater-related Performance Standards persist at GMA 5, GE will evaluate the need for appropriate response actions and will propose any necessary actions for EPA approval.

5. Basis of Proposed Long-Term Monitoring Program

Section 7.3 of Attachment H to the SOW states that GE may discontinue long-term monitoring at particular wells within any GMA if the results of four consecutive groundwater monitoring events show no exceedances of the relevant Performance Standards and other reasons do not exist for retaining the wells in the long-term monitoring program (e.g., presence of NAPL in the well or constituent concentrations exceeding the applicable Performance Standards in upgradient groundwater). This provision of Attachment H therefore provides the basis upon which GE has identified monitoring points and constituents to be analyzed in the long-term monitoring program proposed in Section 6 below.

Specifically, locations were considered for inclusion in this program if:

- Exceedances of applicable MCP GW-2 or GW-3 standards were reported during the baseline monitoring program.
- The well is located downgradient of a location where exceedances of applicable MCP GW-2 or GW-3 standards were reported during the baseline monitoring program.
- A review of the available data indicates the potential presence of an increasing trend in the concentrations of certain constituents at levels approaching the applicable MCP GW-2 or GW-3 standards

GE has re-evaluated the historical data from all baseline monitoring program wells to assess whether additional monitoring to verify attainment of the groundwater-related Performance Standards is necessary. The results of these evaluations are discussed below.

GE initially reviewed the baseline groundwater quality data and identified all locations where the applicable Performance Standards were exceeded during one or more sampling events. As discussed in Sections 4.7 and 4.8, those locations are limited to:

- Well GMA5-3 (GW-3 Standard for PCDD/PCDF Total TEQs, based on calculation including one-half of high detection limits for non-detected congeners, exceeded during fall 2003 baseline sampling event, even though no congeners were detected)
- Well GMA5-4 (GW-3 Standard for cadmium slightly exceeded during fall 2006 baseline sampling event)

- Well GMA5-7 (GW-2 Standard for PCE exceeded during spring 2006 baseline sampling event and GW-2 Standard for vinyl chloride exceeded during fall 2003 baseline sampling event)

Based on these data and the requirement that constituent concentrations be below the applicable Performance Standards for four consecutive monitoring events to verify that the Performance Standards have been attained, long-term sampling at wells GMA5-4 and GMA5-7 is proposed.

Although only two rounds of data have been collected from well GMA5-3 for PCDDs/PCDFs analysis since fall 2003, long-term sampling for this constituent group at well GMA5-3 is not proposed. As noted in Section 4.3 and shown in Table D-1, the apparent exceedance recorded in fall 2003 is a result of elevated detection limits assigned to the individual PCDD/PCDF compounds during laboratory analysis, rather than an indication of impacted groundwater. No individual PCDDs or PCDFs were actually detected in the fall 2003 groundwater sample at this well, but the concentrations of individual PCDD/PCDF compounds that were not detected were represented as one-half of the analytical detection limit for those compounds in the calculation of TEQs. Therefore, since certain of those compounds had atypically high detection limits reported, the resulting TEQ was calculated at a higher concentration than would have been reported if the standard detection limits had been achieved. The high detection limits in this one sample on this one occasion do not provide a basis for further monitoring in this well. Five other PCDD/PCDF sampling rounds at this well that did not indicate TEQ concentrations near the GW-3 standard.

In addition to considering whether the locations where exceedances of the applicable Performance Standards should continue to be monitored during the Long-Term Monitoring Program, GE also evaluated the need for additional monitoring downgradient of those locations. However, since each of the two wells identified above for long-term monitoring is a downgradient perimeter well installed adjacent to the Housatonic River, there are no downgradient monitoring points available relative to these locations.

Finally, GE reviewed the baseline analytical data in order to identify any potential increasing trends in constituent concentrations approaching the applicable Performance Standards. A potential increasing trend was identified in the PCE concentrations observed at Well GMA5-7 well during the preliminary statistical evaluations discussed in Section 4.6 above (although the most recent PCE result at this location was below the applicable GW-2 standard). Accordingly, that well is proposed to be included in the long-term monitoring program.

6. Proposed Long Term Monitoring Program

6.1 General

In spring 2004, GE initiated the interim groundwater monitoring program as a continuation of the baseline monitoring program, to be conducted until completion of the soil-related Removal Actions at the Former Oxbow Area A&C RAA that comprises GMA 5. The interim monitoring program was designed to obtain additional data from locations where it is not yet clear whether the initial baseline groundwater quality results indicate that the well may require future monitoring in a long-term monitoring program. The Former Oxbow Areas A and C Removal Actions were completed in November 2006 and, as required by EPA, GE has evaluated all baseline monitoring data collected to determine the needs for a long-term monitoring program at GMA 5. As part of this evaluation, it was determined that the Removal Actions, which included primarily excavation of shallow PCB-impacted soil, would not likely result in a significant change to groundwater quality at the Site nor did it revise the interpretation and/or extent of impacts previously noted at GMA 5. A summary of the proposed long-term groundwater sampling program is provided in Table 8.

6.2 Long Term Groundwater Monitoring Locations

As noted above, GE has evaluated the results from the baseline monitoring program to determine the needs for long-term groundwater quality monitoring at each GMA 5 monitoring well. The results of that data assessment and the wells proposed for inclusion in the long-term groundwater quality monitoring program modifications are discussed below. In addition to the groundwater quality sampling proposed herein, GE will measure groundwater elevations (including monitoring for the presence of NAPL) at a select number of existing wells that were previously included in the baseline monitoring program (including selected wells installed at the Former Elm Street Mobil Site) on a routine basis during the long-term monitoring program. The groundwater elevation and NAPL monitoring network is discussed in detail in Section 6.2.2.

6.2.1 Groundwater Quality Monitoring

Based on the foregoing analysis, GE proposes to conduct groundwater quality monitoring at two wells in GMA 5 as part of the long-term groundwater monitoring program, as shown on Figure 4. GE proposes to sample well GMA5-7 to verify that the GW-2 Performance Standards have been met at this location. The samples are proposed to be analyzed for VOCs on a semi-annual basis, and, if the data indicates that all constituents are below their respective MCP Method 1 GW-2 standards for three consecutive sampling events (utilizing

the fall 2006 sampling round as the fourth event), GE may propose to discontinue future GW-2 sampling at this well.

The exceedance of the MCP GW-3 standard for cadmium in fall 2006 at well GMA5-4 was the first such result at this well after non-detect results were reported during three prior sampling rounds for this constituent. Therefore, GE proposes to sample well GMA5-4 for cadmium on a semi-annual basis. Following review of the data from the initial sampling event, GE will assess whether additional monitoring for cadmium is warranted at this location, and may develop and propose to EPA an alternative GW-3 standard (i.e., a Method 3 standard) based on a site-specific risk assessment to be utilized to determine when the GW-3 Performance Standard for cadmium is attained at this GMA.

6.2.2 Groundwater Elevation and NAPL Monitoring

To assess groundwater flow conditions at the time of sampling, GE proposes continue to measure groundwater elevations at select monitoring wells in the vicinity of the wells proposed to be sampled during the long-term monitoring program (including selected wells installed at the Former Elm Street Mobil Site) on a semi-annual basis during the long-term monitoring program. As shown on Figure 4, the existing wells that are proposed be monitored are: GMA5-1, GMA5-3, GMA5-4, GMA5-7, GMA5-8, and GES-8. This monitoring will be conducted on a single day on or near the time that the proposed long-term groundwater sampling events are conducted. As part of these monitoring events, each well will also be monitored for the presence of NAPL.

6.3 Proposed Field Activities Schedule

The long-term groundwater quality monitoring program for GMA 5 will begin following EPA's approval of this Proposal, subject to obtaining revised access agreements with the property owners in a timely manner. If GE is unable to obtain access agreements from particular property owners after using "best efforts" (as defined in the CD) to do so, it will so advise EPA and MDEP and seek their assistance in obtaining such agreements pursuant to Paragraph 60.f(i) of the CD. If delays in obtaining access agreements will cause a delay in the schedule proposed above, GE will notify the Agencies and propose for EPA approval a revised schedule for initiating the long-term monitoring program.

As noted above, GE proposes to conduct groundwater quality monitoring on a semi-annual basis during the long-term program at the wells described above. The time periods for semi-annual water quality sampling were chosen to adequately assess seasonal variation which may occur during the monitoring period. This schedule was selected to obtain data

during presumed annual high and low water table conditions and is consistent with the spring/fall groundwater monitoring schedule previously utilized during the baseline monitoring program at GMA 5. GE will attempt to collect groundwater analytical samples during the months of April and October, but may, on occasion, conduct these sampling events during the prior month or the next month from the target date if scheduling issues or other unforeseen factors necessitate alterations to the schedule. GE will make best efforts to avoid scheduling groundwater monitoring at times and locations at which the data obtained could be impacted by ongoing soil/sediment response actions or other activities within these non-GE-owned former oxbow areas. In addition, GE may propose a modified sampling schedule for selected wells following evaluation of the analytical data as the long-term monitoring program progresses.

GE proposes to conduct groundwater level monitoring at the monitoring program wells described herein during periods coinciding with groundwater sample collection. All wells that are proposed to be monitored for groundwater levels (i.e., wells GMA5-1, GMA5-3, GMA5-4, GMA5-7, GMA5-8, and GES-8) will be measured during a single day. The data obtained will be utilized to prepare a groundwater elevation contour map representing conditions during the sampling event.

6.4 Monthly CD Reporting

In the monthly progress reports for overall work at the Site, GE will provide the observations and results of the GMA 5 groundwater quality monitoring program as follows:

Following a groundwater elevation monitoring event, the following information will be added to the next monthly progress report for the Site:

- A listing of the wells which were monitored, and the depths from the well measuring point to groundwater and groundwater/NAPL interfaces (if present);

- If NAPL was observed in any well at a thickness of greater than or equal to $^{1}/_{8}$-inch but less than ½-inch, a listing of such well(s), unless the results are consistent with the types, nature, and quantities of NAPL which were previously observed and reported to the Agencies; and

- If NAPL was observed to be discharging to any surface water and creating a sheen on the water, a listing of such location(s).

Following a groundwater sampling event, the following information will be added to the next monthly progress report for the Site:

- Each of the items listed above for the associated groundwater elevation monitoring event; and

- A listing of the wells which were sampled during the event and the analyses to be conducted.

Following receipt of preliminary analytical results from a groundwater sampling event, the following information will be added to the next monthly progress report for the Site:

- The analytical results from that monitoring event;

- An identification of any wells containing GW-2 groundwater in which the analytical results indicate an exceedance of an applicable GW-2 standard;

- An identification of any wells where the analytical data indicate an exceedance of a groundwater UCL; and

- An identification of any wells monitored for GW-3 groundwater in which the analytical data indicate an exceedance of an applicable GW-3 standard. These include not only the perimeter wells, but also, as an early warning mechanism, any of the general/source area sentinel wells.

Following receipt of final analytical data packages from a groundwater sampling event, the schedule for submittal of the next Monitoring Event Evaluation Report or Long-Term Trend Evaluation Report will be identified in the next monthly progress report for the Site.

6.5 Notification and Interim Response Actions

6.5.1 Groundwater Quality-Related Notifications

Upon receipt of sampling data from a well containing Category GW-2 groundwater within 30 feet of a school or occupied residential structure and having total VOC concentrations of equal to or greater than 5 parts per million, GE will notify EPA and MDEP within seventy-two hours of obtaining knowledge of such data, unless such exceedance was previously observed. GE will provide the data from each such event in the next monthly progress report for overall work at the Site. Subsequent exceedances for a given well will be

indicated in the next monthly progress report for the site. Further, in its report on the monitoring event, GE will propose appropriate interim response actions to address the exceedance of the GW-2 Performance Standards. Such interim response actions may include: resampling of the groundwater; increase in sampling frequency; additional well installation (including sampling and analysis); soil gas sampling; desk-top modeling of potential volatilization of chemicals from the groundwater to the indoor air of nearby occupied buildings; sampling of the indoor air of such buildings; an evaluation of the potential risks related to volatilization to such indoor air; and/or the development and proposal of a risk-based alternative GW-2 standard (if not already established). Upon EPA approval, GE will implement the approved interim response actions.

In addition, if an exceedance of a groundwater UCL is indicated in a groundwater sample from a given well and such exceedance was not previously observed, GE will notify EPA and MDEP within fourteen days of obtaining knowledge of such an exceedance. GE will also provide the data from each such event in the next monthly progress report for overall work at the Site. Subsequent exceedances of a UCL for a given well will be identified in the next monthly report.

Upon receipt of sampling data from each monitoring event, GE will also evaluate whether or not the applicable GW-2 or GW-3 Performance Standards have been achieved at the compliance monitoring well locations and, if not, the progress toward attainment. GE will provide notification of any previously unobserved exceedance of the applicable GW-2 or GW-3 Performance Standards from each such event in the next monthly progress report for overall work at the Site. An evaluation of potential response actions relating to any exceedances of the GW-2 or GW-3 Performance Standards at compliance point locations will be made in the context of the long-term trend evaluations, as discussed in Section 6.6 below.

6.5.2 NAPL-Related Notifications

During the Long-Term Monitoring Program, if NAPL is observed to be discharging to any surface water or creating a sheen on the water in a location in which such NAPL discharge was not previously observed or measures are not in place to effectively contain the sheen, GE will notify EPA and MDEP within two hours of obtaining knowledge of such observation. This will be followed by written notice to EPA within seven (7) days. The written notification will include a proposal to EPA for interim response actions to contain such discharge. Upon EPA approval, GE will conduct the approved interim response actions to contain the NAPL discharge.

If NAPL is observed to be discharging to any surface water or creating a sheen on the water in a location in which such NAPL discharge was previously observed and measures are in place to contain the sheen, GE will notify EPA of the continued presence of such NAPL in the next monthly progress report for overall work at the Site.

For groundwater, if a NAPL thickness of greater than or equal to 1/2-inch is observed in any monitoring well, GE will notify EPA and MDEP within seventy-two hours of obtaining knowledge of such a condition, unless such conditions are consistent with the types, nature, and quantities of NAPL which were previously observed and reported to the Agencies. This notification will be followed by written notice to the EPA within 60 days. The written notification will include a proposal to EPA for interim response actions to be conducted which may include NAPL sampling, additional assessment/monitoring, or NAPL removal activities. Upon EPA approval, GE will conduct the approved interim response actions. If a NAPL thickness of greater than or equal to 1/8-inch, but less than 1/2-inch is observed in a monitoring well, GE will notify EPA and MDEP in the next monthly progress report, unless the results are consistent with the types, nature, and quantities of NAPL which have previously been observed and reported to the Agencies.

6.6 Reporting Requirements

6.6.1 Monitoring Event Evaluation Reports

Following completion of each long-term groundwater monitoring event, GE will prepare and submit to EPA a Monitoring Event Evaluation Report that provides a summary of the activities performed and results obtained during the monitoring period, and all the information required by Section 7.2.1 of Technical Attachment H to the SOW. An outline of a representative Monitoring Event Evaluation Report is provided in Appendix G.

Specifically, upon receipt of data from each monitoring event, GE proposes, on a location-by-location basis, to compare the data from the current monitoring event with the prior monitoring data and evaluate using the statistical methods proposed in Section 6.8 below. During the first two years of the long-term monitoring program, GE will compare the results from each event with the “baseline” monitoring data. The statistical analyses will only be presented over the entire groundwater quality database for each well until a sufficient number of seasonal sampling events have been conducted to provide the necessary data to evaluate potential trends between comparable sampling periods (i.e., results from sampling conducted during a similar time of year). Thereafter, as the groundwater database is updated, GE will compare the results from each monitoring event to the entire prior database, focusing on long-term temporal or spatial trends. These comparisons will

be performed to identify instances in which the current data indicate a potential increase in the concentrations of dissolved-phase constituents relative to prior monitoring results. In making these comparisons, GE will focus in particular on whether the data from the monitoring wells indicate an increase in the potential for such constituents to migrate outside the boundaries of the GMA and whether such migration is already occurring.

If a statistically significant increase in dissolved-phase constituent concentrations is detected at any well in the most recent sampling results and relative to prior data and the constituent is detected at a concentration approaching the applicable Performance Standard (i.e., greater than 50 % of the applicable standard), GE will conduct the following activities:

- An evaluation of overall groundwater conditions within the GMA to ascertain if the elevated sampling data were detected elsewhere and uniformly or if the elevated data are isolated to a specific monitoring location;

- A review of the recent sampling results with respect to the sampling data available from comparable sampling periods (i.e., results from sampling conducted during a similar time of year); and

- An evaluation of the potential presence of an upgradient “source” that could explain the increase in groundwater concentrations.

GE will provide a possible explanation(s) for any such observed increase in concentrations in the sampling data. If EPA determines that the elevated sampling data are not due to inherent variations in the field or laboratory procedures or to typical historical variations in the monitoring results, GE will propose to EPA for approval one of more of the following actions, and will implement the EPA approved actions:

- Re-sampling of the location and constituent(s) of interest.

- Increasing the frequency of monitoring at the location(s) in question.

- Additional evaluation activities in the area of interest, including but not limited to, sampling of nearby existing monitoring wells and/or the installation and sampling of new permanent or temporary monitoring wells.

- Evaluation of whether the groundwater in which the increase has been found is affecting any adjacent surface waters, sediments and/or biota, including, if appropriate,

sampling of such surface waters, sediments, sediment pore water using seepage meters, and biota, including toxicity testing.

- Development of alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment related to the constituent(s) of interest.

- Evaluation of active response actions to contain and/or recover the affected groundwater or to address potential sources if identified.

As discussed in Section 7.2 below, Spring and Fall Monitoring Event Evaluation Reports, covering activities conducted in the spring or fall of each year, are proposed to be submitted within 60 days of receipt of data from the last sampling event, except for seasons after which Long-Term Trend Evaluation Reports are scheduled to be submitted. For those seasons (i.e., beginning with fall 2009 if long-term sampling is initiated in fall 2007), the information typically provided in the Monitoring Event Evaluation Reports will be incorporated into the Long-Term Trend Evaluation Reports, as proposed in Section 6.6.2 below, as applicable.

6.6.2 Long-Term Trend Evaluation Reports

Following completion of each two year long-term trend evaluation period, GE proposes prepare and submit to EPA a Long-Term Trend Evaluation Report in place of a Monitoring Event Evaluation Report. The Long-Term Trend Evaluation Report will provide a summary of the activities performed and results obtained during the most recent monitoring period, and all the information required by Section 7.2.2 of Technical Attachment H to the SOW, and will be submitted 75 days after receipt of data from the last sampling event.

Specifically, at two-year intervals during the Long-Term Monitoring Program beginning with the fall 2009 monitoring period (assuming that sampling is initiated in fall 2007) until Performance Standards have been attained at GMA 5, GE will conduct an evaluation of long-term groundwater quality trends. This evaluation will initially involve comparison of the groundwater monitoring results from the period since the last evaluation to the applicable groundwater Performance Standards for the GMA. In the event that the Performance Standards then being applied are Method 1 (or 2) standards and such standards are exceeded, GE may develop and propose to EPA for approval risk-based alternative groundwater Performance Standards for use in these comparisons, based on a site-specific risk evaluation, taking into account, as appropriate, relevant factors as described in Section 4.1 of Technical Attachment H to the SOW.

In the event that the long-term trend evaluations indicate that groundwater quality continues to exceed the applicable Performance Standards (including risk-based alternative standards approved by EPA, if any), GE will evaluate appropriate response actions, as discussed in Section 6.7 below.

In the long-term trend evaluations, GE will also evaluate whether modifications to the Long-Term Monitoring Program are appropriate, considering temporal and spatial groundwater quality trends, the levels of detected constituents, statistical evaluations, groundwater flow patterns, and any alternative standard evaluations, and propose such modifications to EPA for approval.

The long-term trend evaluation will include a statistical analysis focusing on intra-well comparisons for selected critical parameters (i.e., constituents of interest). As sufficient data becomes available, statistical evaluations, as approved by EPA, will be made regarding the presence or absence of seasonality and trend. In wells exhibiting no trends, data means and variances will be computed for constituents of interest for which there are greater than 50 percent detections for a particular constituent. Once trends are identified, plotting of the data and regression analysis will be performed, as discussed in Section 6.6.1above. A moving average presentation of regularly spaced data may also be presented as an alternative to directly correlating data for seasonality.

If NAPL is encountered at portions of GMA 5 outside of the Former Elm Street Mobil Site and adjacent areas being addressed by ExxonMobil pursuant to the MCP under a separate Administrative Consent Order with MDEP, the long term trend evaluations will also include a review of the current NAPL recovery efforts to the extent that data are available from ExxonMobil.

6.7 Application of Performance Standards to Long-Term Monitoring Data

Upon receipt of sampling data from each monitoring event, GE will evaluate whether or not the Performance Standards have been attained at the appropriate monitoring locations and, if not, the progress toward attainment. GE will also comply with all other requirements of Section 7.2.1 of Technical Attachment H to the SOW.

If the long-term trend evaluations indicate that groundwater quality continues to exceed the groundwater quality Performance Standards (which may be either the Method 1 (or 2) standards or risk-based alternative standards approved by EPA) at the compliance points for such Performance Standards, GE will evaluate appropriate response actions and propose such response actions to EPA for approval. Such response actions may include

continued monitoring, other assessment activities, or active response actions to attain the Performance Standards. Upon EPA approval, GE will implement the EPA-approved response actions. Additionally, GE will evaluate the appropriateness of modifications to or, if warranted, discontinuance of the groundwater monitoring program consistent with the requirements of Technical Attachment H to the SOW. GE will also comply with all other requirements of Section 7.2.2 of Technical Attachment H to the SOW.

GE may propose to discontinue long-term monitoring at particular wells within any GMA, subject to approval by EPA, if the following criteria are met: (1) Long-term monitoring at particular sentinel wells may be discontinued if the results of four consecutive groundwater monitoring events show no exceedances of the relevant Performance Standards; (2) Long-term monitoring at particular perimeter wells may be discontinued if the results of four consecutive groundwater monitoring events show no exceedances of the applicable Performance Standards and other reasons do not exist for retaining such wells in the Long-Term Monitoring Program (e.g., the presence of NAPL or constituent concentrations exceeding the applicable Performance Standards in upgradient groundwater).

GE will continue the Long-Term Monitoring Program at GMA 5, with any modifications approved by EPA, until such time as the data indicate that the applicable Performance Standards have been consistently achieved at the GMA and other reasons do not exist for continuing long-term groundwater monitoring (e.g., the presence of NAPL or constituent concentrations exceeding the applicable Performance Standards in upgradient groundwater).

6.8 Description of Statistical Techniques to be Employed

Groundwater data may exhibit monotonic trends in concentrations over time (i.e., long-term increasing or decreasing concentrations) as well as seasonal cycles. Factors that may contribute to trends and cycles include hydrogeologic characteristics, groundwater movement, natural attenuation, and changes in the original source(s) of the constituent.

To assess potential trends, various statistical methods can be utilized depending on the extent of the overall sampling period and the frequency of sampling events within the sampling period. Graphical representations such as a simple plot of concentration data versus time may reveal long-term cyclical patterns as well as pulses, both of which may explain temporal trends. Statistical analysis can be performed on the data utilized in preparation of the trend plots for each well to quantify the relationship between time and constituent concentrations. One common technique is to use simple linear regression to detect linear relationships between the two variables. This technique is easily calculated

and interpreted. Several alternative statistical techniques that have been described in documents prepared by EPA and others (see references in Section 6.8.4) may also be performed to evaluate temporal trends in GMA 5 groundwater during the long-term monitoring program and to determine the statistical significance of any potential trends that are identified: (1) Mann-Kendall Test; (2) Sen's slope estimator; and (3) Seasonal Kendall Tau estimator. These methods are described in Sections 6.8.1 through 6.8.3 below.

For locations where duplicate or split samples are collected and analyzed, an average concentration of all reported results is proposed to be utilized in the statistical analyses to represent the sampling event where multiple samples were analyzed. For sampling rounds where a constituent subject to statistical analysis is not detected, a value corresponding to one-half of the reported detection limit is proposed to be utilized in the calculations. Although the non-parametric methods proposed for trend analysis can be applied to data sets with a moderate amount of non-detected results (USEPA, 2006b), the evaluation of data sets with greater than 50% of such results would primarily reflect the changes in the detection limits, rather than detected concentrations of constituents. In particular, the confidence interval for Sen's slope estimator can be influenced by non-detected results. GE will track the detection frequency of all constituents subject to statistical analysis and will identify locations where the results may be biased by the presence of non-detect data points.

6.8.1 Mann-Kendall Test

The Mann-Kendall Test is a procedure that does not assume any particular distribution form and can accommodate trace values or values below the detection limit by assigning them a common value (USEPA, 2006a). The test has the flexibility to be modified to account for multiple observations per time period, multiple sampling locations, and seasonality (USEPA, 2006a). For each data set consisting of individual well observations, a series of pairwise slopes are calculated by determining the change in concentration divided by the time interval between sequential sampling events. A test statistic "S" is computed based on the difference between the number of pairwise slopes that are positive minus the number that are negative (USEPA, 2006a). If S is a large positive value, then there is evidence of an increasing trend in the data (USEPA, 2006a). If S is a large negative value, then there is evidence of a decreasing trend in the data (USEPA, 2006a).

For small data sets (n ≤40), the test statistic is the difference between the number of strictly positive differences and the number of strictly negative differences (USEPA, 2006a). If there is an underlying upward trend, then these differences will tend to be positive and a sufficiently large value of the test statistic will suggest the presence of an upward trend

(USEPA, 2006a). A corresponding p-value (for 95% confidence), based on the sample size and test statistic S is obtained from a reference table to confirm the trend.

For large data sets (n >40), a normal approximation is applied to the test procedure. The S test statistic is calculated the same way as before. The variance for the S test statistic is added to the calculation steps to provide the means to calculate a new Z test statistic for comparison to the critical values for a standard normal distribution (z1-α). For testing the hypothesis, an increasing trend is found when Z > z1-α and a decreasing trend is found when Z < 0 and the absolute value of Z > z1-α (USEPA, 2006a).

6.8.2 Sen's Slope Estimator

The Sen's slope estimator is a non-parametric alternative for estimating a slope (USEPA, 2006a). The approach involves computing slopes for all the pairs of ordinal time points and then using the median of these slopes as an estimate of overall slope (USEPA, 2006a). This approach is insensitive to outliers and can accomodate data sets with a limited number of nondetects (i.e., values less than sample reporting limits) (USEPA, 2006a).

The procedure assumes that there are n time points (or n periods of time), and Xi represents the data value for the ith time point. If there are no missing data, there will be n(n-1)/2 possible pairs of time points (i, j) in which i > j. The slope of such a pair is called a pairwise slope, bij, and is computed as bij = (Xi - Xj) / (i - j). Sen's slope estimator is the median of the n(n-1)/2 pairwise slopes (USEPA, 2006a).

No significant trend is found when the sum of the positive and negative slopes (∑bij) is such that 1 > ∑bij > -1. A positive trend is found when ∑bij > 1 and a negative trend when ∑bij < -1. A 95% confidence interval is applied to the median slope estimate.

6.8.3 Seasonal Kendall Test

If seasonal cycles are present in data, tests for trend that remove these cycles or are not affected by them should be used (Gilbert, 1987). The Seasonal Kendall (SK) test was developed by the U.S. Geological Survey (USGS) and is a standard test for evaluating seasonal patterns in water quality data. This test has been applied since the early 1980s to the USGS collection of long-term water-quality records across the U.S. USGS presently maintains a computer program called Estimate Trend (ESTREND) on a download site which is available to the public (http://pubs.usgs.gov/sir/2005/5275/).

The SK test is a non-parametric test for monotonic trend in water quality. This test is a generalization of the Mann-Kendall test and reduces potential seasonal differences in concentration by only comparing data from similar seasons when evaluating trend (Schertz, Alexander, and Ohe, 1991). Stated differently, the SK test is used to see if concentration changes in a consistent direction over time (i.e., exhibits a monotonic trend). The test performs the Mann-Kendall trend test for individual seasons of the year and then combines the individual results into one overall test. "Season" here is defined by the analyst and typically represents a month (i.e., 12 seasons per year) or a quarter (i.e., 4 seasons per year) (Helsel, Mueller, and Slack, 2006). For this analysis, seasons are proposed to be defined as quarters. Since groundwater sampling activities at GMA 5 have been conducted on a semi-annual basis, the SK test will be focused on the spring and fall quarters, but will allow evaluation of the winter and summer quarters if the sampling schedule is modified in the future.

In time-series analysis, it is important to consider if the data exhibit serial correlation, which refers to the relationship between concentrations measured in consecutive sampling events. If data exhibit serial autocorrelation, individual sampling events are not independent. The SK test can produce an "adjusted p-value" that corrects for potential serial correlation. This adjustment to the p-value is preferred because when serial correlation is present in the data, the p-value tends to be biased low, and one could incorrectly conclude the presence of a seasonal pattern in the data. Hirsch and Slack (1984) recommend using the adjusted p-value when there is more than 10 years of data.

In addition to calculating a p-value for seasonality, the ESTREND also includes the slope and intercept of Kendall's trend line. The line represents the overall trend of the median concentration values for the time span of the dataset. The line is provided in the form:

Y = Intercept + (Slope x Time)

where Y = the median concentration at a given time; Intercept = the intercept of the line at time of the initial sample; Slope = change in the median concentration over time; and Time = the year of the sample (as decimal year) – initial water year (as decimal year).

6.8.4 References

Gilbert, R.O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold, New York.

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USEPA. 2006a. Data Quality Assessment: Statistical Methods for Practitioners. EPA QA/G-9S. Office of Environmental Information. EPA/240/B-06/003. February.

USEPA. 2006b. On the Computation of 95% Upper Confidence Limit of the Unknown Population Mean Based Upon Data Sets with Below Detection Limit Observations. Prepared by A. Singh, R.W. Maichle, and S.E. Lee for USEPA ORD NERL, Las Vegas, NV. EPA/600/R-06/22. March.

7. Schedule of Future Activities

7.1 Field Activities Schedule

If approved by EPA, GE will conduct the initial long-term groundwater quality sampling event in October 2007. A round of groundwater elevation monitoring at the GMA 5 wells proposed in Section 6.2.2 will also be performed at that time.

Prior to performance of these field activities, GE will provide EPA with 7 days advance notice to allow the assignment of oversight personnel. The schedule discussed above was developed under the assumption that GE will be able to obtain permission from the owners of the properties that comprise GMA 5 to conduct the monitoring and sampling activities in advance of their estimated performance dates. If that is not the case, GE will notify EPA of potential schedule impacts due to delays in obtaining such access to the properties.

7.2 Reporting Schedule

GE will continue to provide the results of preliminary groundwater analytical data in its monthly reports on overall activities at the GE-Pittsfield/Housatonic River Site. Those reports will also document the schedules for submittal of the Monitoring Event Evaluation Reports and Long-Term Trend Evaluation Reports, which are contingent upon receipt of the final analytical data packages from the groundwater sampling events, as discussed below.

GE proposes to submit the Fall 2007 Monitoring Event Evaluation Report for GMA 5 60 days following receipt of the final analytical data packages from the event. That report will present the final, validated fall 2007 sampling results and a brief discussion of the results, including the evaluations of the data discussed in Section 6.6.1 and any proposals to further modify the long-term monitoring program, if necessary. An outline of a typical report is provided in Appendix G hereto. GE will also include an updated summary of available groundwater monitoring results and analytical data collected at the adjacent Elm Street Mobil Site, to the extent that such information is available to GE.

Subsequent semi-annual Monitoring Event Evaluation Reports for GMA 5 will be submitted within 60 days following receipt of the final analytical data packages from each event.

In addition, GE proposes to submit a Long-Term Trend Evaluation Report in place of a Monitoring Event Evaluation Report, at the completion of the fall 2009 sampling round (assuming that sampling begins in fall 2007). That report will present the final, validated fall 2009 sampling results and a brief discussion of the results, including the evaluations of the

data discussed in Section 6.6.2 and any proposals to further modify or terminate the long-term monitoring program, as warranted.

Subsequent Long-Term Trend Evaluation Reports for GMA 5 will be prepared at two-year intervals over the duration of the long-term monitoring program at GMA 5. Each report will be submitted within 75 days following receipt of the final analytical data packages from the latest monitoring event included in the two-year evaluation cycle.

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Tables

Table 1
Fall 2006 Groundwater Quality Monitoring Program

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company-Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Method	Fall 2006 Analyses
GMA5-1	GW-2 Sentinel/ GW-3 Perimeter	Peristaltic	PCB/App. IX [1,2]
GMA5-2	GW-3 Perimeter	Peristaltic	PCB/App. IX [1,2]
GMA5-3	GW-2 Sentinel/ GW-3 Perimeter	Bladder	PCB/App. IX [1,2]
GMA5-4	GW-3 Perimeter	Peristaltic	PCB/App. IX [1,2]
GMA5-5	GW-3 Perimeter	Peristaltic	PCB/App. IX [1,2]
GMA5-6	GW-3 Perimeter	Peristaltic	PCB/App. IX [1,2]
GMA5-7	GW-2 Sentinel/ GW-3 Perimeter	Bladder	PCB/App. IX [1,2]
GMA5-8	GW-3 General/Source Area Sentinel	Bladder	PCB/App. IX [1,2]

Notes

1. Appendix IX+3 analyses consists of those non-PCB constituents listed in Appendix IX of 40 CFR Part 264, plus three constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine.
2. Split samples were collected and submitted to SGS Environmental Services, Inc. and Northeast Analytical, Inc. for analysis of PCBs (filtered analysis only).

Table 2
Monitoring Well Construction

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company-Pittsfield, Massachusetts

Well Number	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (feet AMSL)	Measuring Point Elevation (feet AMSL)	Depth to Top of Screen (feet BGS)	Screen Length (feet)	Top of Screen Elevation (feet AMSL)	Base of Screen Elevation (feet AMSL)
	Northing	Easting							
GMA5-1	531464.50	130012.30	2.00	985.01	984.59	5.72	10.00	979.29	969.29
GMA5-2	531952.60	130739.20	2.00	982.86	982.66	5.91	15.00	976.95	961.95
GMA5-3	531419.00	139738.70	2.00	989.57	989.14	10.00	15.00	979.57	964.57
GMA5-4	531811.30	129982.60	2.00	979.29	979.10	8.09	10.00	971.20	961.20
GMA5-5	532121.00	130300.10	2.00	982.85	982.64	6.77	15.00	976.08	961.08
GMA5-6	532163.50	130589.60	2.00	979.52	979.23	5.42	10.00	974.10	964.10
GMA5-7	531507.50	129845.00	2.00	987.21	986.75	8.00	20.00	979.21	959.21
GMA5-8	531711.70	130216.90	2.00	984.95	984.69	8.00	10.00	976.95	966.95
GES-7	531186.66	129745.53	2.00	992.40	992.10	7.00	10.00	985.40	975.40
GES-8	531256.86	129779.34	2.00	990.40	990.15	7.00	10.00	983.40	973.40
GES-9	531234.26	129813.45	2.00	990.97	990.72	7.00	10.00	983.97	973.97
GT-7	531331.70	129602.82	4.00	990.11	989.76	10.00	15.00	980.11	965.11
GT-101	--	--	--	989.92	989.68	10.00	15.00	979.92	964.92
GT-102	--	--	--	--	990.03	--	--	--	--

Notes:
1. feet AMSL = feet above mean sea level.
2. feet BGS = feet below ground surface.
3. -- = not available.
4. Complete monitoring well construction information for Former Mobil Service Station wells GT-101 and GT-102 is not available.

Table 3
Groundwater Elevation Data - Fall 2006

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company-Pittsfield, Massachusetts

Well Number	Remedial Action Area	October 27, 2006 Groundwater Elevation (Feet AMSL)
GMA5-1	Oxbow Areas A and C	975.26
GMA5-2	Oxbow Areas A and C	972.69
GMA5-3	Oxbow Areas A and C	971.68
GMA5-4	Oxbow Areas A and C	970.6
GMA5-5	Oxbow Areas A and C	970.64
GMA5-6	Oxbow Areas A and C	970.98
GMA5-7	Oxbow Areas A and C	971.64
GMA5-8	Oxbow Areas A and C	972.18
GES-7	Elm Street Mobil	975.89
GES-8	Elm Street Mobil	975.27
GES-9	Elm Street Mobil	974.26
GT-7	Elm Street Mobil	972.50
GT-101	Elm Street Mobil	971.88
GT-102	Elm Street Mobil	972.60

Notes:
1. The surface water elevation of the Housatonic River, measured at the Lyman Street Bridge on October 23, 2006, was 970.23' feet AMSL.

Table 4
Field Parameter Measurements - Fall 2006

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
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)
GMA5-1	4.0	14.02	6.76	1.918	-24.80	1.00
GMA5-2	22.0	10.85	6.73	0.965	-7.50	0.57
GMA5-3	2.0	12.93	6.73	1.073	-45.90	7.51
GMA5-4	7.0	11.46	7.48	1.287	-6.50	0.50
GMA5-5	6.0	12.21	6.85	0.846	-38.90	1.48
GMA 5-6	6.0	13.09	6.48	1.217	-3.60	1.36
GMA5-7	16.0	11.91	6.99	0.551	16.40	5.65
GMA5-8	3.0	10.87	6.93	0.984	-68.30	1.51

Notes:
1. Measurements collected during fall 2006 groundwater sampling event performed between November 15 and 28, 2006.
2. Well parameters were monitored continuously during purging by low-flow techniques. Final parameter readings are
3. NTU - Nephelometric Turbidity Units
4. mS/cm - Millisiemens per centimeter
5. mV - Millivolts
6. mg/L - Milligrams per liter (ppm)
7. NM - Not Measured

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	Method 1 GW-2 Standards	GMA5-1 SGS 11/15/06	GMA5-3 SGS 11/21/06	GMA5-7 SGS 10/27/06	GMA5-7 SGS 11/20/06
Volatile Organics						
Tetrachloroethene		0.05	ND(0.0010)	ND(0.0010)	0.046	NA
Trichloroethene		0.03	ND(0.0010)	ND(0.0010)	0.0023	NA
Total VOCs		5	ND(0.10)	ND(0.10)	0.048	NA
Semivolatile Organics						
Acenaphthene		Not Listed	ND(0.010)	0.0017 J	NA	ND(0.010)
Diethylphthalate		50	ND(0.010)	0.0018 J	NA	ND(0.010)
Fluoranthene		Not Listed	ND(0.010)	0.0033 J	NA	ND(0.010)
Fluorene		Not Listed	ND(0.010)	0.0027 J	NA	ND(0.010)
Pyrene		Not Listed	ND(0.010)	0.0028 J	NA	ND(0.010)

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. and Northeast Analytical, 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 parentheses is the associated detection limit.
5. Only volatile and semivolatile constituents detected in at least one sample are summarized.

Data Qualifiers:

Organics (volatiles and semivolatiles)

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

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	Method 1 GW-3 Standards	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06
Volatile Organics					
Benzene	10	ND(0.0010)	NA	ND(0.0010)	NA
Chlorobenzene	1	ND(0.0010)	NA	ND(0.0010)	NA
Tetrachloroethene	30	ND(0.0010)	NA	ND(0.0010)	NA
Trichloroethene	5	ND(0.0010)	NA	ND(0.0010)	NA
PCBs-Unfiltered					
Aroclor-1254	Not Applicable	ND(0.00010)	NA	0.000072 J	NA
Aroclor-1260	Not Applicable	0.000045 J	NA	ND(0.00011)	NA
Total PCBs	Not Applicable	0.000045 J	NA	0.000072 J	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Aroclor-1260	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Total PCBs	0.0003	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Semivolatile Organics					
Acenaphthene	5	ND(0.010)	NA	ND(0.010)	NA
Dibenzofuran	Not Listed	ND(0.010)	NA	ND(0.010)	NA
Diethylphthalate	9	ND(0.010)	NA	ND(0.010)	NA
Fluoranthene	0.2	ND(0.010)	NA	ND(0.010)	NA
Fluorene	3	ND(0.010)	NA	ND(0.010)	NA
Naphthalene	20	ND(0.010)	NA	ND(0.010)	NA
Phenanthrene	0.05	ND(0.010)	NA	ND(0.010)	NA
Pyrene	0.02	ND(0.010)	NA	ND(0.010)	NA
Pyridine	Not Listed	ND(0.010) J	NA	R	NA
Organochlorine Pesticides					
Dieldrin	0.0005	ND(0.00030)	NA	ND(0.00030)	NA
Endrin Aldehyde	Not Listed	ND(0.00030)	NA	ND(0.00030)	NA
Herbicides					
None Detected	--	--	NA	--	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000012)	NA	ND(0.0000000011)	NA
TCDFs (total)	Not Listed	ND(0.0000000012)	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
PeCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
HxCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
HpCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
OCDF	Not Listed	ND(0.000000011)	NA	ND(0.000000011)	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	0.0000000014 J	NA	ND(0.0000000011)	NA
TCDDs (total)	Not Listed	0.0000000014 J	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
PeCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
HxCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
HpCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
OCDD	Not Listed	ND(0.000000013)	NA	0.000000012 J	NA
Total TEQs (WHO TEFs)	0.0000001	0.0000000076	NA	0.0000000069	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	Method 1 GW-3 Standards	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06
Inorganics-Unfiltered						
Arsenic		Not Applicable	0.0134 J	NA	ND(0.0100)	NA
Barium		Not Applicable	0.107 B	NA	ND(0.0500) J	NA
Beryllium		Not Applicable	0.000770 J	NA	ND(0.0100) J	NA
Cadmium		Not Applicable	0.00438 J	NA	ND(0.00500)	NA
Chromium		Not Applicable	0.00605 J	NA	ND(0.0100) J	NA
Cobalt		Not Applicable	0.00151 B	NA	ND(0.0100)	NA
Copper		Not Applicable	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide		Not Applicable	ND(0.0100)	NA	ND(0.0100)	NA
Lead		Not Applicable	0.00515 J	NA	ND(0.0100) J	NA
Nickel		Not Applicable	0.00754 B	NA	ND(0.0500) J	NA
Selenium		Not Applicable	0.00931 J	NA	ND(0.0200) J	NA
Silver		Not Applicable	0.00168 B	NA	ND(0.0100) J	NA
Thallium		Not Applicable	0.00815 J	NA	0.00662 J	NA
Vanadium		Not Applicable	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		Not Applicable	0.0311 J	NA	ND(0.0500) J	NA
Inorganics-Filtered						
Arsenic		0.9	ND(0.0100) J	NA	ND(0.0100)	NA
Barium		50	0.0938 B	NA	ND(0.0500) J	NA
Beryllium		0.05	ND(0.0100) J	NA	ND(0.0100) J	NA
Cadmium		0.004	0.00394 J	NA	ND(0.00500)	NA
Chromium		0.3	0.00449 J	NA	ND(0.0100) J	NA
Cobalt		Not Listed	0.00105 B	NA	ND(0.0100)	NA
Copper		Not Listed	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide		0.03	ND(0.0100)	NA	0.0140	NA
Lead		0.01	0.00227 J	NA	ND(0.0100) J	NA
Nickel		0.2	0.00756 B	NA	ND(0.0500) J	NA
Selenium		0.1	0.0132 J	NA	0.0145 J	NA
Silver		0.007	0.00170 B	NA	ND(0.0100) J	NA
Thallium		3	ND(0.0100) J	NA	ND(0.0100) J	NA
Vanadium		4	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		0.9	0.0139 J	NA	ND(0.0500) J	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	Method 1 GW-3 Standards	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06	GMA5-4 SGS 11/15/06	GMA5-4 NEA 11/15/06
Volatile Organics						
Benzene		10	ND(0.0010)	NA	ND(0.0010)	NA
Chlorobenzene		1	ND(0.0010)	NA	ND(0.0010)	NA
Tetrachloroethene		30	ND(0.0010)	NA	ND(0.0010)	NA
Trichloroethene		5	ND(0.0010)	NA	ND(0.0010)	NA
PCBs-Unfiltered						
Aroclor-1254		Not Applicable	0.000093 J	NA	ND(0.00010)	NA
Aroclor-1260		Not Applicable	ND(0.00010)	NA	0.000040 J	NA
Total PCBs		Not Applicable	0.000093 J	NA	0.000040 J	NA
PCBs-Filtered						
Aroclor-1254		Not Listed	ND(0.00011)	0.000024	ND(0.00011)	ND(0.000022)
Aroclor-1260		Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Total PCBs		0.0003	ND(0.00011)	0.000054	ND(0.00011)	ND(0.000022)
Semivolatile Organics						
Acenaphthene		5	0.0017 J	NA	ND(0.010)	NA
Dibenzofuran		Not Listed	ND(0.010)	NA	ND(0.010)	NA
Diethylphthalate		9	0.0018 J	NA	ND(0.010)	NA
Fluoranthene		0.2	0.0033 J	NA	ND(0.010)	NA
Fluorene		3	0.0027 J	NA	ND(0.010)	NA
Naphthalene		20	ND(0.010)	NA	ND(0.010)	NA
Phenanthrene		0.05	ND(0.010)	NA	ND(0.010)	NA
Pyrene		0.02	0.0028 J	NA	ND(0.010)	NA
Pyridine		Not Listed	R	NA	ND(0.010) J	NA
Organochlorine Pesticides						
Dieldrin		0.0005	ND(0.00030)	NA	ND(0.00030)	NA
Endrin Aldehyde		Not Listed	0.000044 J	NA	ND(0.00030)	NA
Herbicides						
None Detected		--	--	NA	--	NA
Furans						
2,3,7,8-TCDF		Not Listed	ND(0.0000000011)	NA	ND(0.0000000012) X	NA
TCDFs (total)		Not Listed	ND(0.0000000011)	NA	ND(0.0000000010)	NA
1,2,3,7,8-PeCDF		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
2,3,4,7,8-PeCDF		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
PeCDFs (total)		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,7,8-HxCDF		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,6,7,8-HxCDF		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDF		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
2,3,4,6,7,8-HxCDF		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
HxCDFs (total)		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,6,7,8-HpCDF		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,7,8,9-HpCDF		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
HpCDFs (total)		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
OCDF		Not Listed	ND(0.000000011)	NA	ND(0.000000010)	NA
Dioxins						
2,3,7,8-TCDD		Not Listed	ND(0.0000000011)	NA	ND(0.0000000014) X	NA
TCDDs (total)		Not Listed	ND(0.0000000011)	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDD		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
PeCDDs (total)		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,7,8-HxCDD		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,6,7,8-HxCDD		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDD		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
HxCDDs (total)		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,6,7,8-HpCDD		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
HpCDDs (total)		Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
OCDD		Not Listed	0.000000016 J	NA	ND(0.000000023)	NA
Total TEQs (WHO TEFs)		0.0000001	0.0000000066	NA	0.0000000067	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	Method 1 GW-3 Standards	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06	GMA5-4 SGS 11/15/06	GMA5-4 NEA 11/15/06
Inorganics-Unfiltered						
Arsenic		Not Applicable	ND(0.0100)	NA	ND(0.0100) J	NA
Barium		Not Applicable	ND(0.0500) J	NA	0.0197 B	NA
Beryllium		Not Applicable	ND(0.0100) J	NA	ND(0.0100)	NA
Cadmium		Not Applicable	ND(0.00500)	NA	ND(0.00500)	NA
Chromium		Not Applicable	ND(0.0100) J	NA	0.00149 B	NA
Cobalt		Not Applicable	ND(0.0100)	NA	0.00154 B	NA
Copper		Not Applicable	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide		Not Applicable	ND(0.0100)	NA	ND(0.0100)	NA
Lead		Not Applicable	ND(0.0100) J	NA	0.00148 J	NA
Nickel		Not Applicable	ND(0.0500) J	NA	ND(0.0500)	NA
Selenium		Not Applicable	0.00993 J	NA	ND(0.0200) J	NA
Silver		Not Applicable	ND(0.0100) J	NA	ND(0.0100)	NA
Thallium		Not Applicable	0.00764 J	NA	ND(0.0100) J	NA
Vanadium		Not Applicable	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		Not Applicable	ND(0.0500) J	NA	ND(0.0500) J	NA
Inorganics-Filtered						
Arsenic		0.9	ND(0.0100)	NA	ND(0.0100) J	NA
Barium		50	ND(0.0500) J	NA	0.0367 B	NA
Beryllium		0.05	ND(0.0100) J	NA	0.000280 J	NA
Cadmium		0.004	ND(0.00500)	NA	0.00411 J	NA
Chromium		0.3	ND(0.0100) J	NA	0.00361 J	NA
Cobalt		Not Listed	ND(0.0100)	NA	ND(0.0100)	NA
Copper		Not Listed	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide		0.03	ND(0.0100)	NA	ND(0.0100)	NA
Lead		0.01	ND(0.0100) J	NA	0.00305 J	NA
Nickel		0.2	ND(0.0500) J	NA	0.00294 B	NA
Selenium		0.1	ND(0.0200) J	NA	ND(0.0200) J	NA
Silver		0.007	ND(0.0100) J	NA	0.00151 B	NA
Thallium		3	ND(0.0100) J	NA	ND(0.0100) J	NA
Vanadium		4	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		0.9	ND(0.0500) J	NA	0.0418 J	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	Method 1 GW-3 Standards	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06
Volatile Organics					
Benzene	10	ND(0.0010)	NA	0.00023 J [0.00023 J]	NA
Chlorobenzene	1	ND(0.0010)	NA	0.00028 J [0.00032 J]	NA
Tetrachloroethene	30	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	NA
Trichloroethene	5	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	NA
PCBs-Unfiltered					
Aroclor-1254	Not Applicable	ND(0.00011) J	NA	ND(0.00011) [ND(0.00011)]	NA
Aroclor-1260	Not Applicable	ND(0.00011) J	NA	0.00011 [0.00012]	NA
Total PCBs	Not Applicable	ND(0.00011) J	NA	0.00011 [0.00012]	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011) [ND(0.00011)]	ND(0.000022)
Aroclor-1260	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011) [ND(0.00011)]	ND(0.000022)
Total PCBs	0.0003	ND(0.00011)	ND(0.000022)	ND(0.00011) [ND(0.00011)]	ND(0.000022)
Semivolatile Organics					
Acenaphthene	5	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Dibenzofuran	Not Listed	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Diethylphthalate	9	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Fluoranthene	0.2	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Fluorene	3	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Naphthalene	20	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Phenanthrene	0.05	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Pyrene	0.02	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Pyridine	Not Listed	ND(0.010) J	NA	R [R]	NA
Organochlorine Pesticides					
Dieldrin	0.0005	ND(0.00030)	NA	ND(0.00030) [ND(0.00030)]	NA
Endrin Aldehyde	Not Listed	ND(0.00030)	NA	ND(0.00030) [ND(0.00030)]	NA
Herbicides					
None Detected	--	--	NA	--	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011) [ND(0.0000000011)]	NA
TCDFs (total)	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011) [ND(0.0000000011)]	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
PeCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
HxCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
HpCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
OCDF	Not Listed	ND(0.000000011)	NA	ND(0.000000011) [ND(0.000000011)]	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011) [ND(0.0000000011)]	NA
TCDDs (total)	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011) [ND(0.0000000011)]	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
PeCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
HxCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
HpCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
OCDD	Not Listed	ND(0.000000011)	NA	ND(0.000000011) [ND(0.000000011)]	NA
Total TEQs (WHO TEFs)	0.0000001	0.0000000067	NA	0.0000000067 [0.0000000066]	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	Method 1 GW-3 Standards	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06
Inorganics-Unfiltered						
Arsenic		Not Applicable	ND(0.0100) J	NA	ND(0.0100) J [0.0112 J]	NA
Barium		Not Applicable	0.0189 B	NA	ND(0.500) J [ND(0.0500) J]	NA
Beryllium		Not Applicable	0.00206 B	NA	ND(0.0100) J [ND(0.0100) J]	NA
Cadmium		Not Applicable	ND(0.00500)	NA	ND(0.00815) J [ND(0.00777) J]	NA
Chromium		Not Applicable	0.00230 B	NA	ND(0.0106) J [ND(0.0108) J]	NA
Cobalt		Not Applicable	ND(0.0100)	NA	ND(0.0100) J [ND(0.0100) J]	NA
Copper		Not Applicable	ND(0.200) J	NA	0.0126 B [ND(0.200)]	NA
Cyanide		Not Applicable	ND(0.0100)	NA	ND(0.0100) [0.0110]	NA
Lead		Not Applicable	ND(0.0100) J	NA	ND(0.0100) [ND(0.0100)]	NA
Nickel		Not Applicable	ND(0.0500)	NA	ND(0.0500) J [ND(0.0500) J]	NA
Selenium		Not Applicable	ND(0.0200) J	NA	ND(0.0200) J [ND(0.0200) J]	NA
Silver		Not Applicable	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA
Thallium		Not Applicable	ND(0.0100) J	NA	ND(0.0100) J [ND(0.0100) J]	NA
Vanadium		Not Applicable	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]	NA
Zinc		Not Applicable	ND(0.0500) J	NA	0.306 [0.253]	NA
Inorganics-Filtered						
Arsenic		0.9	ND(0.0100) J	NA	ND(0.0100) J [ND(0.0100) J]	NA
Barium		50	0.0156 B	NA	ND(0.0500) J [ND(0.0500) J]	NA
Beryllium		0.05	0.00591 B	NA	ND(0.0100) J [ND(0.0100) J]	NA
Cadmium		0.004	ND(0.00500)	NA	ND(0.00669) J [ND(0.00717) J]	NA
Chromium		0.3	0.00104 B	NA	ND(0.0100) J [ND(0.0100) J]	NA
Cobalt		Not Listed	ND(0.0100)	NA	ND(0.0100) J [ND(0.0100) J]	NA
Copper		Not Listed	ND(0.200) J	NA	0.00973 B [0.00808 B]	NA
Cyanide		0.03	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA
Lead		0.01	0.00326 J	NA	ND(0.0100) [ND(0.0100)]	NA
Nickel		0.2	ND(0.0500)	NA	ND(0.0500) J [ND(0.0500) J]	NA
Selenium		0.1	ND(0.0200) J	NA	ND(0.0200) J [ND(0.0200) J]	NA
Silver		0.007	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA
Thallium		3	ND(0.0100) J	NA	ND(0.0100) J [ND(0.0100) J]	NA
Vanadium		4	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]	NA
Zinc		0.9	ND(0.0500) J	NA	0.257 [0.199]	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	Method 1 GW-3 Standards	GMA5-7 SGS 10/27/06	GMA5-7 SGS 11/20/06	GMA5-7 NEA 11/20/06	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Volatile Organics						
Benzene	10	ND(0.0010)	NA	NA	0.00024 J	NA
Chlorobenzene	1	ND(0.0010)	NA	NA	ND(0.0010)	NA
Tetrachloroethene	30	0.046	NA	NA	ND(0.0010)	NA
Trichloroethene	5	0.0023	NA	NA	ND(0.0010)	NA
PCBs-Unfiltered						
Aroclor-1254	Not Applicable	NA	0.00014	NA	0.00068	NA
Aroclor-1260	Not Applicable	NA	ND(0.00010)	NA	0.00011	NA
Total PCBs	Not Applicable	NA	0.00014	NA	0.00079	NA
PCBs-Filtered						
Aroclor-1254	Not Listed	NA	ND(0.00011)	0.000054	ND(0.00010)	ND(0.000022)
Aroclor-1260	Not Listed	NA	ND(0.00011)	ND(0.000022)	ND(0.00010)	ND(0.000022)
Total PCBs	0.0003	NA	ND(0.00011)	0.000024	ND(0.00010)	ND(0.000022)
Semivolatile Organics						
Acenaphthene	5	NA	ND(0.010)	NA	0.0041 J	NA
Dibenzofuran	Not Listed	NA	ND(0.010)	NA	0.0032 J	NA
Diethylphthalate	9	NA	ND(0.010)	NA	ND(0.010)	NA
Fluoranthene	0.2	NA	ND(0.010)	NA	ND(0.010)	NA
Fluorene	3	NA	ND(0.010)	NA	0.0049 J	NA
Naphthalene	20	ND(0.0010)	ND(0.010)	NA	0.0060 J	NA
Phenanthrene	0.05	NA	ND(0.010)	NA	0.0056 J	NA
Pyrene	0.02	NA	ND(0.010)	NA	ND(0.010)	NA
Pyridine	Not Listed	NA	R	NA	R	NA
Organochlorine Pesticides						
Dieldrin	0.0005	NA	0.000020 J	NA	ND(0.00030)	NA
Endrin Aldehyde	Not Listed	NA	ND(0.00030)	NA	ND(0.00030)	NA
Herbicides						
None Detected	--	NA	--	NA	--	NA
Furans						
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000011)	NA	ND(0.0000000022)	NA
TCDFs (total)	Not Listed	NA	ND(0.0000000011)	NA	0.0000000025 J	NA
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
PeCDFs (total)	Not Listed	NA	ND(0.0000000055)	NA	0.000000026 J	NA
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
HxCDFs (total)	Not Listed	NA	ND(0.0000000055)	NA	0.000000022 J	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000055)	NA	0.0000000069 J	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
HpCDFs (total)	Not Listed	NA	ND(0.0000000055)	NA	0.000000014 J	NA
OCDF	Not Listed	NA	ND(0.000000011)	NA	0.000000011 J	NA
Dioxins						
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000011)	NA	ND(0.0000000027)	NA
TCDDs (total)	Not Listed	NA	ND(0.0000000011)	NA	ND(0.0000000027)	NA
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000067) X	NA
PeCDDs (total)	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
HxCDDs (total)	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.0000000055)	NA	0.0000000056 J	NA
HpCDDs (total)	Not Listed	NA	ND(0.0000000055)	NA	0.0000000056 J	NA
OCDD	Not Listed	NA	0.000000057 J	NA	0.000000043 J	NA
Total TEQs (WHO TEFs)	0.0000001	NA	6.80E-09	NA	0.0000000081	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	Method 1 GW-3 Standards	GMA5-7 SGS 10/27/06	GMA5-7 SGS 11/20/06	GMA5-7 NEA 11/20/06	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Inorganics-Unfiltered							
Arsenic		Not Applicable	NA	ND(0.0100)	NA	ND(0.0100)	NA
Barium		Not Applicable	NA	ND(0.0500) J	NA	ND(0.0500)	NA
Beryllium		Not Applicable	NA	ND(0.0100) J	NA	ND(0.0100)	NA
Cadmium		Not Applicable	NA	ND(0.00500)	NA	ND(0.00500) J	NA
Chromium		Not Applicable	NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Cobalt		Not Applicable	NA	ND(0.0100)	NA	0.000800 J	NA
Copper		Not Applicable	NA	ND(0.200) J	NA	ND(0.200)	NA
Cyanide		Not Applicable	NA	ND(0.0100)	NA	ND(0.0100)	NA
Lead		Not Applicable	NA	ND(0.0100) J	NA	0.00591 B	NA
Nickel		Not Applicable	NA	ND(0.0500) J	NA	0.00223 J	NA
Selenium		Not Applicable	NA	0.0116 J	NA	ND(0.0200) J	NA
Silver		Not Applicable	NA	ND(0.0100) J	NA	ND(0.0100)	NA
Thallium		Not Applicable	NA	0.00660 J	NA	ND(0.0100) J	NA
Vanadium		Not Applicable	NA	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		Not Applicable	NA	ND(0.0500) J	NA	ND(0.0500) J	NA
Inorganics-Filtered							
Arsenic		0.9	NA	ND(0.0100)	NA	ND(0.0100)	NA
Barium		50	NA	ND(0.0500) J	NA	ND(0.0500)	NA
Beryllium		0.05	NA	ND(0.0100) J	NA	ND(0.0100)	NA
Cadmium		0.004	NA	ND(0.00500)	NA	ND(0.00500) J	NA
Chromium		0.3	NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Cobalt		Not Listed	NA	ND(0.0100)	NA	ND(0.0100) J	NA
Copper		Not Listed	NA	ND(0.200) J	NA	ND(0.200)	NA
Cyanide		0.03	NA	ND(0.0100)	NA	ND(0.0100)	NA
Lead		0.01	NA	ND(0.0100) J	NA	0.00454 B	NA
Nickel		0.2	NA	ND(0.0500) J	NA	ND(0.0500) J	NA
Selenium		0.1	NA	0.0116 J	NA	ND(0.0200) J	NA
Silver		0.007	NA	ND(0.0100) J	NA	ND(0.0100)	NA
Thallium		3	NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Vanadium		4	NA	ND(0.0500)	NA	0.00174 B	NA
Zinc		0.9	NA	ND(0.0500) J	NA	ND(0.0500) J	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. and Northeast Analytical, 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. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses 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. Shading indicates that value exceeds the GW-3 standard.
8. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

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

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

Inorganics

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

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	MCP UCL for GroundWater	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06
Volatile Organics					
Benzene	100	ND(0.0010)	NA	ND(0.0010)	NA
Chlorobenzene	10	ND(0.0010)	NA	ND(0.0010)	NA
Tetrachloroethene	100	ND(0.0010)	NA	ND(0.0010)	NA
Trichloroethene	50	ND(0.0010)	NA	ND(0.0010)	NA
PCBs-Unfiltered					
Aroclor-1254	Not Listed	ND(0.00010)	NA	0.000072 J	NA
Aroclor-1260	Not Listed	0.000045 J	NA	ND(0.00011)	NA
Total PCBs	0.005	0.000045 J	NA	0.000072 J	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Aroclor-1260	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Total PCBs	0.005	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Semivolatile Organics					
Acenaphthene	50	ND(0.010)	NA	ND(0.010)	NA
Dibenzofuran	Not Listed	ND(0.010)	NA	ND(0.010)	NA
Diethylphthalate	100	ND(0.010)	NA	ND(0.010)	NA
Fluoranthene	2	ND(0.010)	NA	ND(0.010)	NA
Fluorene	30	ND(0.010)	NA	ND(0.010)	NA
Naphthalene	100	ND(0.010)	NA	ND(0.010)	NA
Phenanthrene	0.4	ND(0.010)	NA	ND(0.010)	NA
Pyrene	0.8	ND(0.010)	NA	ND(0.010)	NA
Pyridine	Not Listed	ND(0.010) J	NA	R	NA
Organochlorine Pesticides					
Dieldrin	0.08	ND(0.00030)	NA	ND(0.00030)	NA
Endrin Aldehyde	Not Listed	ND(0.00030)	NA	ND(0.00030)	NA
Herbicides					
None Detected	--	--	NA	--	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000012)	NA	ND(0.0000000011)	NA
TCDFs (total)	Not Listed	ND(0.0000000012)	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
PeCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
HxCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
HpCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
OCDF	Not Listed	ND(0.000000011)	NA	ND(0.000000011)	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	0.0000000014 J	NA	ND(0.0000000011)	NA
TCDDs (total)	Not Listed	0.0000000014 J	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
PeCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
HxCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
HpCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000055)	NA
OCDD	Not Listed	ND(0.000000013)	NA	0.000000012 J	NA
Total TEQs (WHO TEFs)	0.000001	0.0000000076	NA	0.0000000069	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	MCP UCL for GroundWater	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06
Inorganics-Unfiltered					
Arsenic	9	0.0134 J	NA	ND(0.0100)	NA
Barium	100	0.107 B	NA	ND(0.0500) J	NA
Beryllium	0.5	0.000770 J	NA	ND(0.0100) J	NA
Cadmium	0.05	0.00438 J	NA	ND(0.00500)	NA
Chromium	3	0.00605 J	NA	ND(0.0100) J	NA
Cobalt	Not Listed	0.00151 B	NA	ND(0.0100)	NA
Copper	Not Listed	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide	2	ND(0.0100)	NA	ND(0.0100)	NA
Lead	0.15	0.00515 J	NA	ND(0.0100) J	NA
Nickel	2	0.00754 B	NA	ND(0.0500) J	NA
Selenium	1	0.00931 J	NA	ND(0.0200) J	NA
Silver	1	0.00168 B	NA	ND(0.0100) J	NA
Thallium	30	0.00815 J	NA	0.00662 J	NA
Vanadium	40	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	50	0.0311 J	NA	ND(0.0500) J	NA
Inorganics-Filtered					
Arsenic	9	ND(0.0100) J	NA	ND(0.0100)	NA
Barium	100	0.0938 B	NA	ND(0.0500) J	NA
Beryllium	0.5	ND(0.0100) J	NA	ND(0.0100) J	NA
Cadmium	0.05	0.00394 J	NA	ND(0.00500)	NA
Chromium	3	0.00449 J	NA	ND(0.0100) J	NA
Cobalt	Not Listed	0.00105 B	NA	ND(0.0100)	NA
Copper	Not Listed	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide	2	ND(0.0100)	NA	0.0140	NA
Lead	0.15	0.00227 J	NA	ND(0.0100) J	NA
Nickel	2	0.00756 B	NA	ND(0.0500) J	NA
Selenium	1	0.0132 J	NA	0.0145 J	NA
Silver	1	0.00170 B	NA	ND(0.0100) J	NA
Thallium	30	ND(0.0100) J	NA	ND(0.0100) J	NA
Vanadium	40	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	50	0.0139 J	NA	ND(0.0500) J	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	MCP UCL for GroundWater	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06	GMA5-4 SGS 11/15/06	GMA5-4 NEA 11/15/06
Volatile Organics					
Benzene	100	ND(0.0010)	NA	ND(0.0010)	NA
Chlorobenzene	10	ND(0.0010)	NA	ND(0.0010)	NA
Tetrachloroethene	100	ND(0.0010)	NA	ND(0.0010)	NA
Trichloroethene	50	ND(0.0010)	NA	ND(0.0010)	NA
PCBs-Unfiltered					
Aroclor-1254	Not Listed	0.000093 J	NA	ND(0.00010)	NA
Aroclor-1260	Not Listed	ND(0.00010)	NA	0.000040 J	NA
Total PCBs	0.005	0.000093 J	NA	0.000040 J	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.00011)	0.000024	ND(0.00011)	ND(0.000022)
Aroclor-1260	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Total PCBs	0.005	ND(0.00011)	0.000054	ND(0.00011)	ND(0.000022)
Semivolatile Organics					
Acenaphthene	50	0.0017 J	NA	ND(0.010)	NA
Dibenzofuran	Not Listed	ND(0.010)	NA	ND(0.010)	NA
Diethylphthalate	100	0.0018 J	NA	ND(0.010)	NA
Fluoranthene	2	0.0033 J	NA	ND(0.010)	NA
Fluorene	30	0.0027 J	NA	ND(0.010)	NA
Naphthalene	100	ND(0.010)	NA	ND(0.010)	NA
Phenanthrene	0.4	ND(0.010)	NA	ND(0.010)	NA
Pyrene	0.8	0.0028 J	NA	ND(0.010)	NA
Pyridine	Not Listed	R	NA	ND(0.010) J	NA
Organochlorine Pesticides					
Dieldrin	0.08	ND(0.00030)	NA	ND(0.00030)	NA
Endrin Aldehyde	Not Listed	0.000044 J	NA	ND(0.00030)	NA
Herbicides					
None Detected	--	--	NA	--	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000011)	NA	ND(0.0000000012) X	NA
TCDFs (total)	Not Listed	ND(0.0000000011)	NA	ND(0.0000000010)	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
PeCDFs (total)	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
HxCDFs (total)	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
HpCDFs (total)	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
OCDF	Not Listed	ND(0.000000011)	NA	ND(0.000000010)	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000011)	NA	ND(0.0000000014) X	NA
TCDDs (total)	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
PeCDDs (total)	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
HxCDDs (total)	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
HpCDDs (total)	Not Listed	ND(0.0000000052)	NA	ND(0.0000000052)	NA
OCDD	Not Listed	0.000000016 J	NA	ND(0.000000023)	NA
Total TEQs (WHO TEFs)	0.000001	0.0000000066	NA	0.0000000067	NA

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

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	MCP UCL for GroundWater	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06	GMA5-4 SGS 11/15/06	GMA5-4 NEA 11/15/06
Inorganics-Unfiltered					
Arsenic	9	ND(0.0100)	NA	ND(0.0100) J	NA
Barium	100	ND(0.0500) J	NA	0.0197 B	NA
Beryllium	0.5	ND(0.0100) J	NA	ND(0.0100)	NA
Cadmium	0.05	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	3	ND(0.0100) J	NA	0.00149 B	NA
Cobalt	Not Listed	ND(0.0100)	NA	0.00154 B	NA
Copper	Not Listed	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide	2	ND(0.0100)	NA	ND(0.0100)	NA
Lead	0.15	ND(0.0100) J	NA	0.00148 J	NA
Nickel	2	ND(0.0500) J	NA	ND(0.0500)	NA
Selenium	1	0.00993 J	NA	ND(0.0200) J	NA
Silver	1	ND(0.0100) J	NA	ND(0.0100)	NA
Thallium	30	0.00764 J	NA	ND(0.0100) J	NA
Vanadium	40	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	50	ND(0.0500) J	NA	ND(0.0500) J	NA
Inorganics-Filtered					
Arsenic	9	ND(0.0100)	NA	ND(0.0100) J	NA
Barium	100	ND(0.0500) J	NA	0.0367 B	NA
Beryllium	0.5	ND(0.0100) J	NA	0.000280 J	NA
Cadmium	0.05	ND(0.00500)	NA	0.00411 J	NA
Chromium	3	ND(0.0100) J	NA	0.00361 J	NA
Cobalt	Not Listed	ND(0.0100)	NA	ND(0.0100)	NA
Copper	Not Listed	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide	2	ND(0.0100)	NA	ND(0.0100)	NA
Lead	0.15	ND(0.0100) J	NA	0.00305 J	NA
Nickel	2	ND(0.0500) J	NA	0.00294 B	NA
Selenium	1	ND(0.0200) J	NA	ND(0.0200) J	NA
Silver	1	ND(0.0100) J	NA	0.00151 B	NA
Thallium	30	ND(0.0100) J	NA	ND(0.0100) J	NA
Vanadium	40	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	50	ND(0.0500) J	NA	0.0418 J	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	MCP UCL for GroundWater	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06
Volatile Organics					
Benzene	100	ND(0.0010)	NA	0.00023 J [0.00023 J]	NA
Chlorobenzene	10	ND(0.0010)	NA	0.00028 J [0.00032 J]	NA
Tetrachloroethene	100	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	NA
Trichloroethene	50	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	NA
PCBs-Unfiltered					
Aroclor-1254	Not Listed	ND(0.00011) J	NA	ND(0.00011) [ND(0.00011)]	NA
Aroclor-1260	Not Listed	ND(0.00011) J	NA	0.00011 [0.00012]	NA
Total PCBs	0.005	ND(0.00011) J	NA	0.00011 [0.00012]	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011) [ND(0.00011)]	ND(0.000022)
Aroclor-1260	Not Listed	ND(0.00011)	ND(0.000022)	ND(0.00011) [ND(0.00011)]	ND(0.000022)
Total PCBs	0.005	ND(0.00011)	ND(0.000022)	ND(0.00011) [ND(0.00011)]	ND(0.000022)
Semivolatile Organics					
Acenaphthene	50	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Dibenzofuran	Not Listed	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Diethylphthalate	100	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Fluoranthene	2	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Fluorene	30	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Naphthalene	100	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Phenanthrene	0.4	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Pyrene	0.8	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	NA
Pyridine	Not Listed	ND(0.010) J	NA	R [R]	NA
Organochlorine Pesticides					
Dieldrin	0.08	ND(0.00030)	NA	ND(0.00030) [ND(0.00030)]	NA
Endrin Aldehyde	Not Listed	ND(0.00030)	NA	ND(0.00030) [ND(0.00030)]	NA
Herbicides					
None Detected	--	--	NA	--	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011) [ND(0.0000000011)]	NA
TCDFs (total)	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011) [ND(0.0000000011)]	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
PeCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
HxCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
HpCDFs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
OCDF	Not Listed	ND(0.000000011)	NA	ND(0.000000011) [ND(0.000000011)]	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011) [ND(0.0000000011)]	NA
TCDDs (total)	Not Listed	ND(0.0000000011)	NA	ND(0.0000000011) [ND(0.0000000011)]	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
PeCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
HxCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
HpCDDs (total)	Not Listed	ND(0.0000000054)	NA	ND(0.0000000054) [ND(0.0000000053)]	NA
OCDD	Not Listed	ND(0.000000011)	NA	ND(0.000000011) [ND(0.000000011)]	NA
Total TEQs (WHO TEFs)	0.000001	0.0000000067	NA	0.0000000067 [0.0000000066]	NA

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

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General Electric Company - Pittsfield, Massachusetts
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Parameter / Sample ID: / Laboratory: / Date Collected:	MCP UCL for GroundWater	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06
Inorganics-Unfiltered					
Arsenic	9	ND(0.0100) J	NA	ND(0.0100) J [0.0112 J]	NA
Barium	100	0.0189 B	NA	ND(0.500) J [ND(0.0500) J]	NA
Beryllium	0.5	0.00206 B	NA	ND(0.0100) J [ND(0.0100) J]	NA
Cadmium	0.05	ND(0.00500)	NA	ND(0.00815) J [ND(0.00777) J]	NA
Chromium	3	0.00230 B	NA	ND(0.0106) J [ND(0.0108) J]	NA
Cobalt	Not Listed	ND(0.0100)	NA	ND(0.0100) J [ND(0.0100) J]	NA
Copper	Not Listed	ND(0.200) J	NA	0.0126 B [ND(0.200)]	NA
Cyanide	2	ND(0.0100)	NA	ND(0.0100) [0.0110]	NA
Lead	0.15	ND(0.0100) J	NA	ND(0.0100) [ND(0.0100)]	NA
Nickel	2	ND(0.0500)	NA	ND(0.0500) J [ND(0.0500) J]	NA
Selenium	1	ND(0.0200) J	NA	ND(0.0200) J [ND(0.0200) J]	NA
Silver	1	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA
Thallium	30	ND(0.0100) J	NA	ND(0.0100) J [ND(0.0100) J]	NA
Vanadium	40	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]	NA
Zinc	50	ND(0.0500) J	NA	0.306 [0.253]	NA
Inorganics-Filtered					
Arsenic	9	ND(0.0100) J	NA	ND(0.0100) J [ND(0.0100) J]	NA
Barium	100	0.0156 B	NA	ND(0.0500) J [ND(0.0500) J]	NA
Beryllium	0.5	0.00591 B	NA	ND(0.0100) J [ND(0.0100) J]	NA
Cadmium	0.05	ND(0.00500)	NA	ND(0.00669) J [ND(0.00717) J]	NA
Chromium	3	0.00104 B	NA	ND(0.0100) J [ND(0.0100) J]	NA
Cobalt	Not Listed	ND(0.0100)	NA	ND(0.0100) J [ND(0.0100) J]	NA
Copper	Not Listed	ND(0.200) J	NA	0.00973 B [0.00808 B]	NA
Cyanide	2	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA
Lead	0.15	0.00326 J	NA	ND(0.0100) [ND(0.0100)]	NA
Nickel	2	ND(0.0500)	NA	ND(0.0500) J [ND(0.0500) J]	NA
Selenium	1	ND(0.0200) J	NA	ND(0.0200) J [ND(0.0200) J]	NA
Silver	1	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA
Thallium	30	ND(0.0100) J	NA	ND(0.0100) J [ND(0.0100) J]	NA
Vanadium	40	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]	NA
Zinc	50	ND(0.0500) J	NA	0.257 [0.199]	NA

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

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Parameter / Sample ID: / Laboratory: / Date Collected:	MCP UCL for GroundWater	GMA5-7 SGS 10/27/06	GMA5-7 SGS 11/20/06	GMA5-7 NEA 11/20/06	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Volatile Organics						
Benzene	100	ND(0.0010)	NA	NA	0.00024 J	NA
Chlorobenzene	10	ND(0.0010)	NA	NA	ND(0.0010)	NA
Tetrachloroethene	100	0.046	NA	NA	ND(0.0010)	NA
Trichloroethene	50	0.0023	NA	NA	ND(0.0010)	NA
PCBs-Unfiltered						
Aroclor-1254	Not Listed	NA	0.00014	NA	0.00068	NA
Aroclor-1260	Not Listed	NA	ND(0.00010)	NA	0.00011	NA
Total PCBs	0.005	NA	0.00014	NA	0.00079	NA
PCBs-Filtered						
Aroclor-1254	Not Listed	NA	ND(0.00011)	0.000054	ND(0.00010)	ND(0.000022)
Aroclor-1260	Not Listed	NA	ND(0.00011)	ND(0.000022)	ND(0.00010)	ND(0.000022)
Total PCBs	0.005	NA	ND(0.00011)	0.000024	ND(0.00010)	ND(0.000022)
Semivolatile Organics						
Acenaphthene	50	NA	ND(0.010)	NA	0.0041 J	NA
Dibenzofuran	Not Listed	NA	ND(0.010)	NA	0.0032 J	NA
Diethylphthalate	100	NA	ND(0.010)	NA	ND(0.010)	NA
Fluoranthene	2	NA	ND(0.010)	NA	ND(0.010)	NA
Fluorene	30	NA	ND(0.010)	NA	0.0049 J	NA
Naphthalene	100	ND(0.0010)	ND(0.010)	NA	0.0060 J	NA
Phenanthrene	0.4	NA	ND(0.010)	NA	0.0056 J	NA
Pyrene	0.8	NA	ND(0.010)	NA	ND(0.010)	NA
Pyridine	Not Listed	NA	R	NA	R	NA
Organochlorine Pesticides						
Dieldrin	0.08	NA	0.000020 J	NA	ND(0.00030)	NA
Endrin Aldehyde	Not Listed	NA	ND(0.00030)	NA	ND(0.00030)	NA
Herbicides						
None Detected	--	NA	--	NA	--	NA
Furans						
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000011)	NA	ND(0.0000000022)	NA
TCDFs (total)	Not Listed	NA	ND(0.0000000011)	NA	0.0000000025 J	NA
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
PeCDFs (total)	Not Listed	NA	ND(0.0000000055)	NA	0.000000026 J	NA
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
HxCDFs (total)	Not Listed	NA	ND(0.0000000055)	NA	0.000000022 J	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000055)	NA	0.0000000069 J	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
HpCDFs (total)	Not Listed	NA	ND(0.0000000055)	NA	0.000000014 J	NA
OCDF	Not Listed	NA	ND(0.000000011)	NA	0.000000011 J	NA
Dioxins						
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000011)	NA	ND(0.0000000027)	NA
TCDDs (total)	Not Listed	NA	ND(0.0000000011)	NA	ND(0.0000000027)	NA
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000067) X	NA
PeCDDs (total)	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
HxCDDs (total)	Not Listed	NA	ND(0.0000000055)	NA	ND(0.0000000050)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.0000000055)	NA	0.0000000056 J	NA
HpCDDs (total)	Not Listed	NA	ND(0.0000000055)	NA	0.0000000056 J	NA
OCDD	Not Listed	NA	0.000000057 J	NA	0.000000043 J	NA
Total TEQs (WHO TEFs)	0.000001	NA	0.0000000068	NA	0.0000000081	NA

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

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(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Laboratory: / Date Collected:	MCP UCL for GroundWater	GMA5-7 SGS 10/27/06	GMA5-7 SGS 11/20/06	GMA5-7 NEA 11/20/06	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Inorganics-Unfiltered						
Arsenic	9	NA	ND(0.0100)	NA	ND(0.0100)	NA
Barium	100	NA	ND(0.0500) J	NA	ND(0.0500)	NA
Beryllium	0.5	NA	ND(0.0100) J	NA	ND(0.0100)	NA
Cadmium	0.05	NA	ND(0.00500)	NA	ND(0.00500) J	NA
Chromium	3	NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Cobalt	Not Listed	NA	ND(0.0100)	NA	0.000800 J	NA
Copper	Not Listed	NA	ND(0.200) J	NA	ND(0.200)	NA
Cyanide	2	NA	ND(0.0100)	NA	ND(0.0100)	NA
Lead	0.15	NA	ND(0.0100) J	NA	0.00591 B	NA
Nickel	2	NA	ND(0.0500) J	NA	0.00223 J	NA
Selenium	1	NA	0.0116 J	NA	ND(0.0200) J	NA
Silver	1	NA	ND(0.0100) J	NA	ND(0.0100)	NA
Thallium	30	NA	0.00660 J	NA	ND(0.0100) J	NA
Vanadium	40	NA	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	50	NA	ND(0.0500) J	NA	ND(0.0500) J	NA
Inorganics-Filtered						
Arsenic	9	NA	ND(0.0100)	NA	ND(0.0100)	NA
Barium	100	NA	ND(0.0500) J	NA	ND(0.0500)	NA
Beryllium	0.5	NA	ND(0.0100) J	NA	ND(0.0100)	NA
Cadmium	0.05	NA	ND(0.00500)	NA	ND(0.00500) J	NA
Chromium	3	NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Cobalt	Not Listed	NA	ND(0.0100)	NA	ND(0.0100) J	NA
Copper	Not Listed	NA	ND(0.200) J	NA	ND(0.200)	NA
Cyanide	2	NA	ND(0.0100)	NA	ND(0.0100)	NA
Lead	0.15	NA	ND(0.0100) J	NA	0.00454 B	NA
Nickel	2	NA	ND(0.0500) J	NA	ND(0.0500) J	NA
Selenium	1	NA	0.0116 J	NA	ND(0.0200) J	NA
Silver	1	NA	ND(0.0100) J	NA	ND(0.0100)	NA
Thallium	30	NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Vanadium	40	NA	ND(0.0500)	NA	0.00174 B	NA
Zinc	50	NA	ND(0.0500) J	NA	ND(0.0500) J	NA

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

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. and Northeast Analytical, 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. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses 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. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

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

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

Inorganics

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

Table 8
Proposed Long Term Groundwater Quality Monitoring Program

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company-Pittsfield, Massachusetts

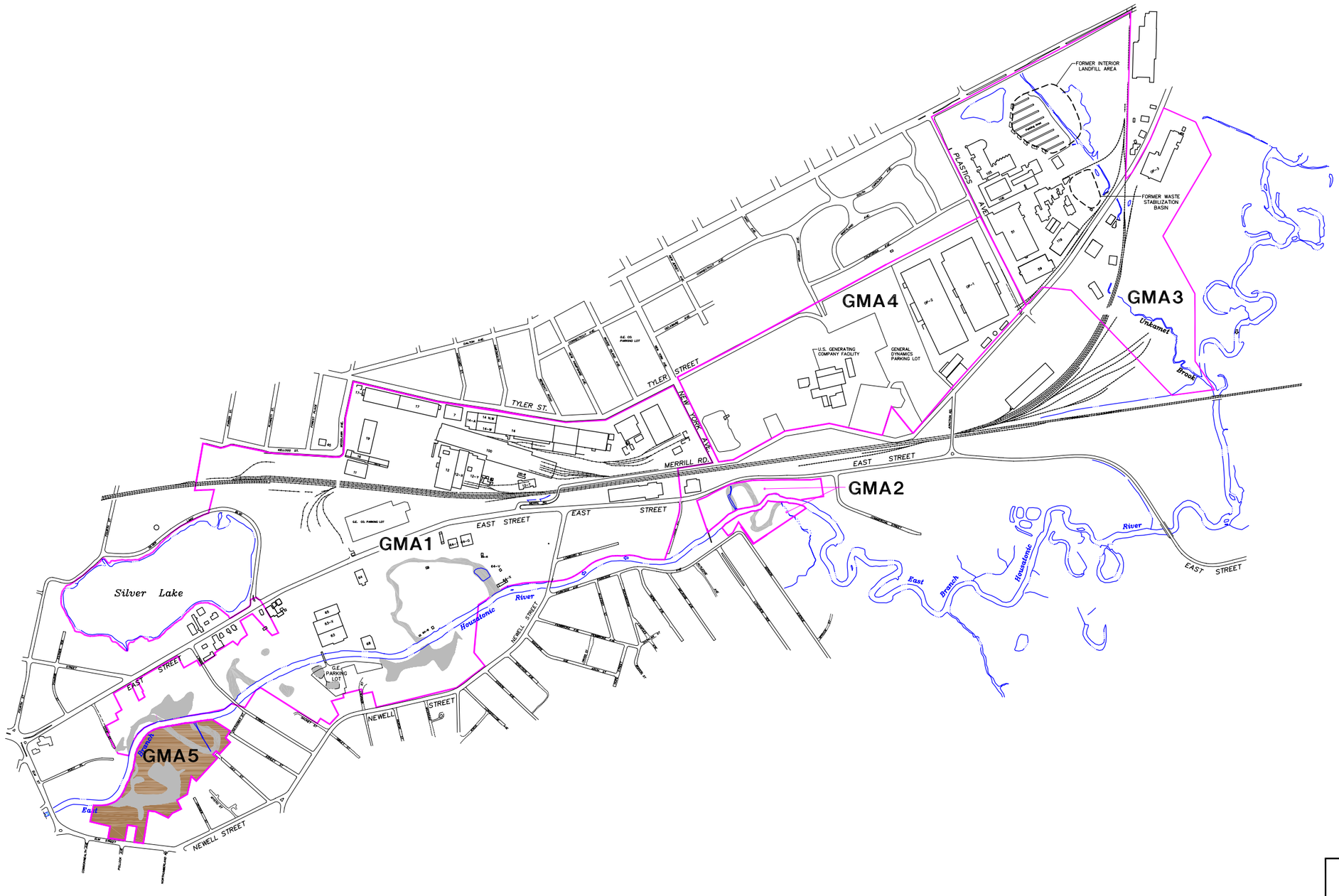
Well Number	Monitoring Well Usage	Proposed Sampling Schedule & Analyses		Comments
		Sampling Schedule	Proposed Analyses	
GMA5-4	GW-3 Perimeter (downgradient)	Semi-Annual	Cadmium	Long-term sampling proposed to verify attainment of GW-3 Performance Standards for cadmium.
GMA5-7	GW-2 Sentinel/GW-3 Perimeter (downgradient)	Semi-Annual	VOC	Long-term sampling proposed to verify attainment of GW-2 Performance Standards for vinyl chloride and PCE .

NOTE:

1. The wells proposed for long-term groundwater quality sampling will be sampled for the listed parameters during the spring and fall seasons, generally during the months of April and October. The next scheduled sampling round is proposed to be conducted in fall 2007.

ARCADIS BBL

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

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. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES/LIMITS ARE APPROXIMATE.

0 500' 1000'
APPROXIMATE SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD MASSACHUSETTS
GMA 5 GROUNDWATER QUALITY MONITORING PROGRAM

GROUNDWATER MANAGEMENT AREAS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
1

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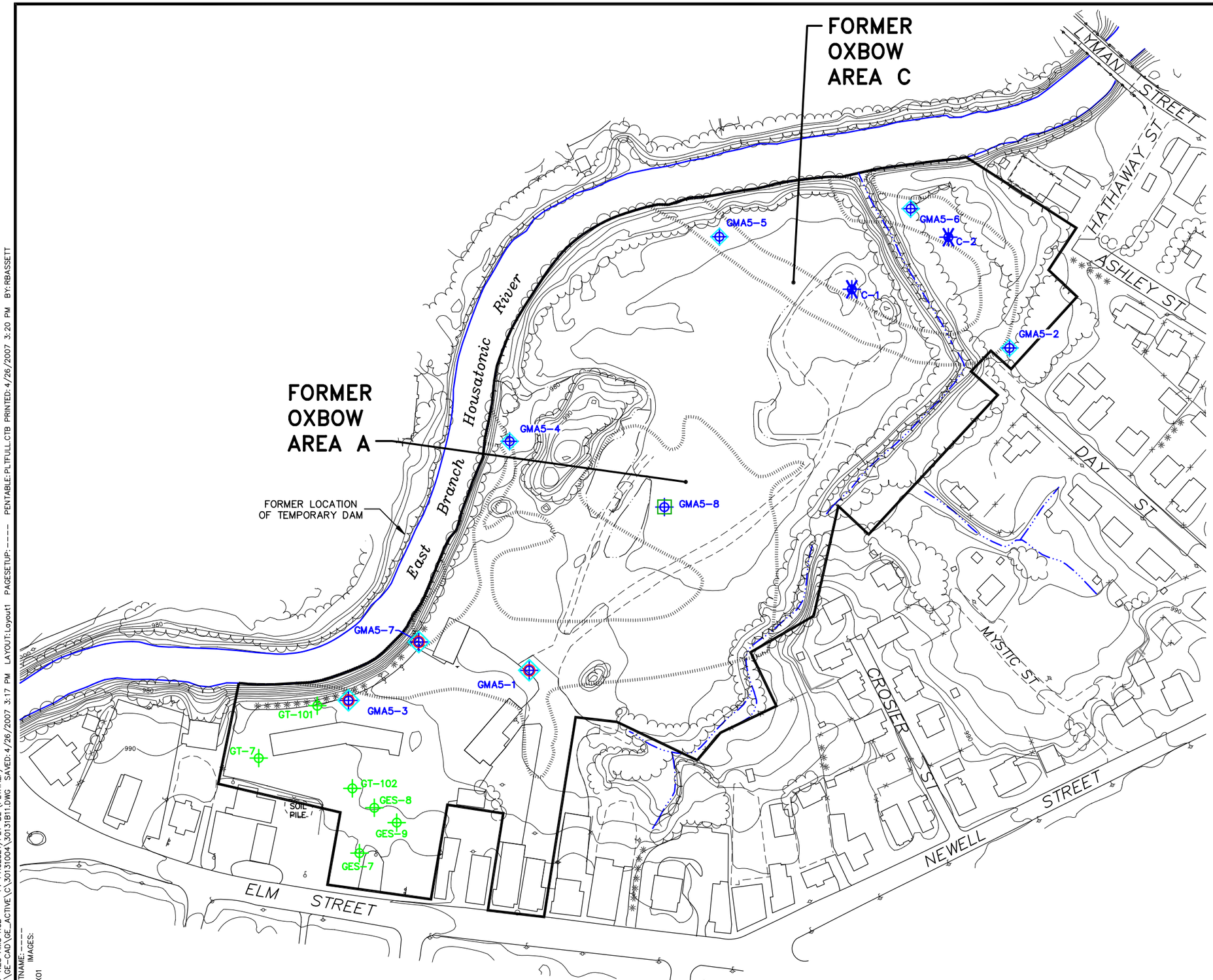

LEGEND:

- GMA 5 SITE BOUNDARY
- FORMER OXBOW/LOW-LYING AREA
- FENCE
- DITCHES/STREAMS WITH INTERMITTENT FLOW
- GMA5 MONITORING PROGRAM WELL
- GW-2 SENTINEL/ COMPLIANCE WELL
- GENERAL SOURCE AREA/SENTINEL WELL (GW-3)
- GW-3 PERIMETER WELL
- ADJACENT MCP DISPOSAL SITE MONITORING PROGRAM WELL
- DECOMMISSIONED MONITORING WELL

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 AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. FORMER RIVER CHANNEL AND LOWLAND AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. NOT ALL PHYSICAL FEATURES SHOWN.
4. SITE PROPERTY BOUNDARIES ARE APPROXIMATE.
5. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.

0 150' 300'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD MASSACHUSETTS
GMA 5 GROUNDWATER QUALITY MONITORING PROGRAM

MONITORING WELL LOCATIONS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE 2

SYR-85-NES AMS RCB P: PAGESET/PLT-BL (PLTHALF)
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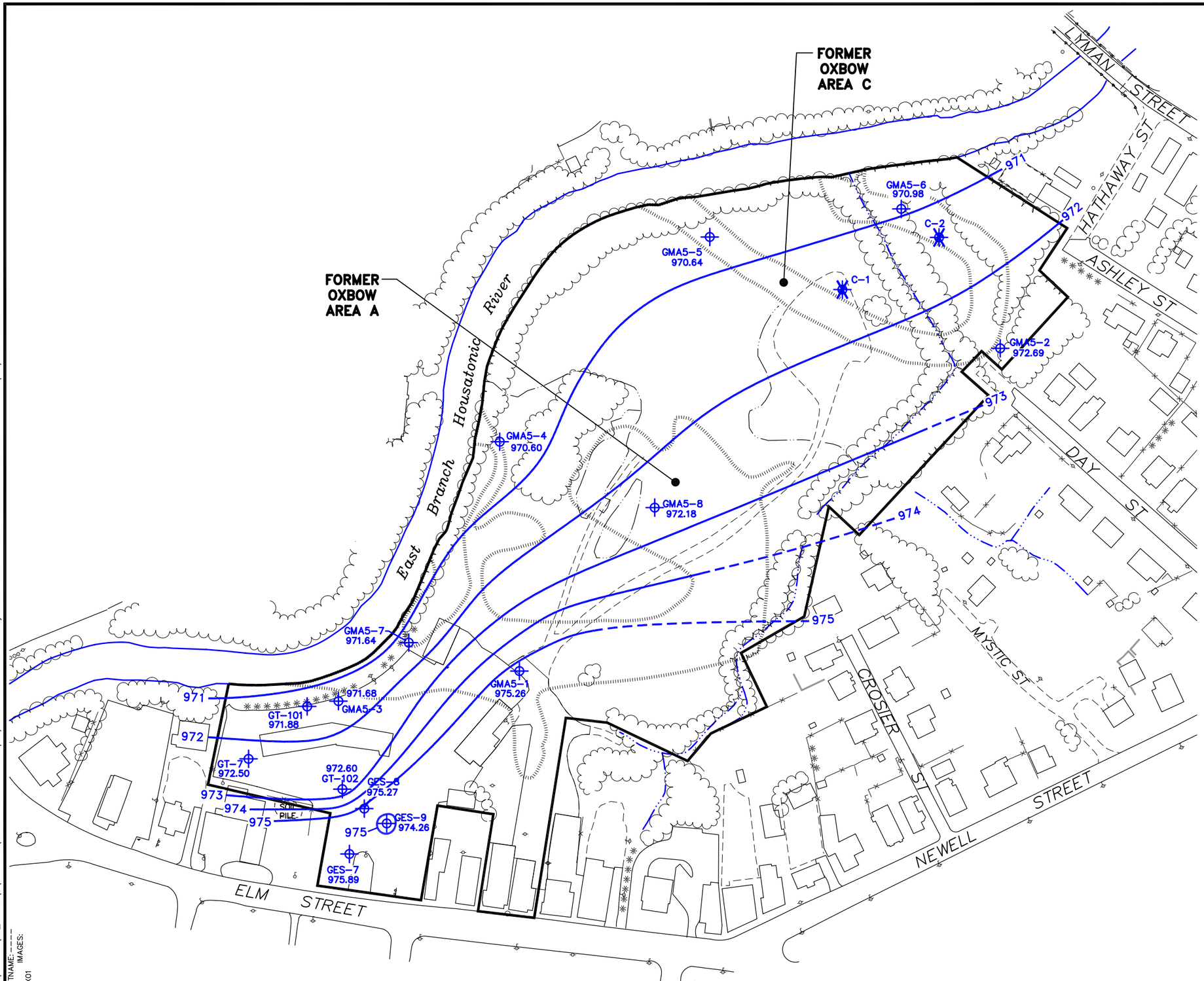

LEGEND:

- GMA 5 BOUNDARY
- FORMER OXBOW/LOW-LYING AREA
- FENCE
- STREAMS WITH INTERMITTENT FLOW
- GROUNDWATER MONITORING WELL LOCATION
- 974.26 GROUNDWATER ELEVATION
- 974 GROUNDWATER ELEVATION CONTOUR (FT AMSL), DASHED WHERE INFERRED
- DECOMMISSIONED MONITORING PROGRAM WELL

NOTE:

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 AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. FORMER RIVER CHANNEL AND LOWLAND AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940
3. NOT ALL PHYSICAL FEATURES SHOWN.
4. SITE PROPERTY BOUNDARIES ARE APPROXIMATE.
5. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
6. GROUNDWATER LEVEL MEASUREMENTS OBTAINED OCTOBER 27, 2006.
7. RIVER ELEVATION AT LYMAN STREET BRIDGE ON OCTOBER 31, 2006: 970.97 FT. AMSL.

0 150' 300'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD MASSACHUSETTS
GMA 5 GROUNDWATER QUALITY MONITORING PROGRAM

WATER TABLE CONTOUR MAP - FALL 2006

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE 3

SYR-85-NES DMW KLS P: PAGESET/PLT-BL
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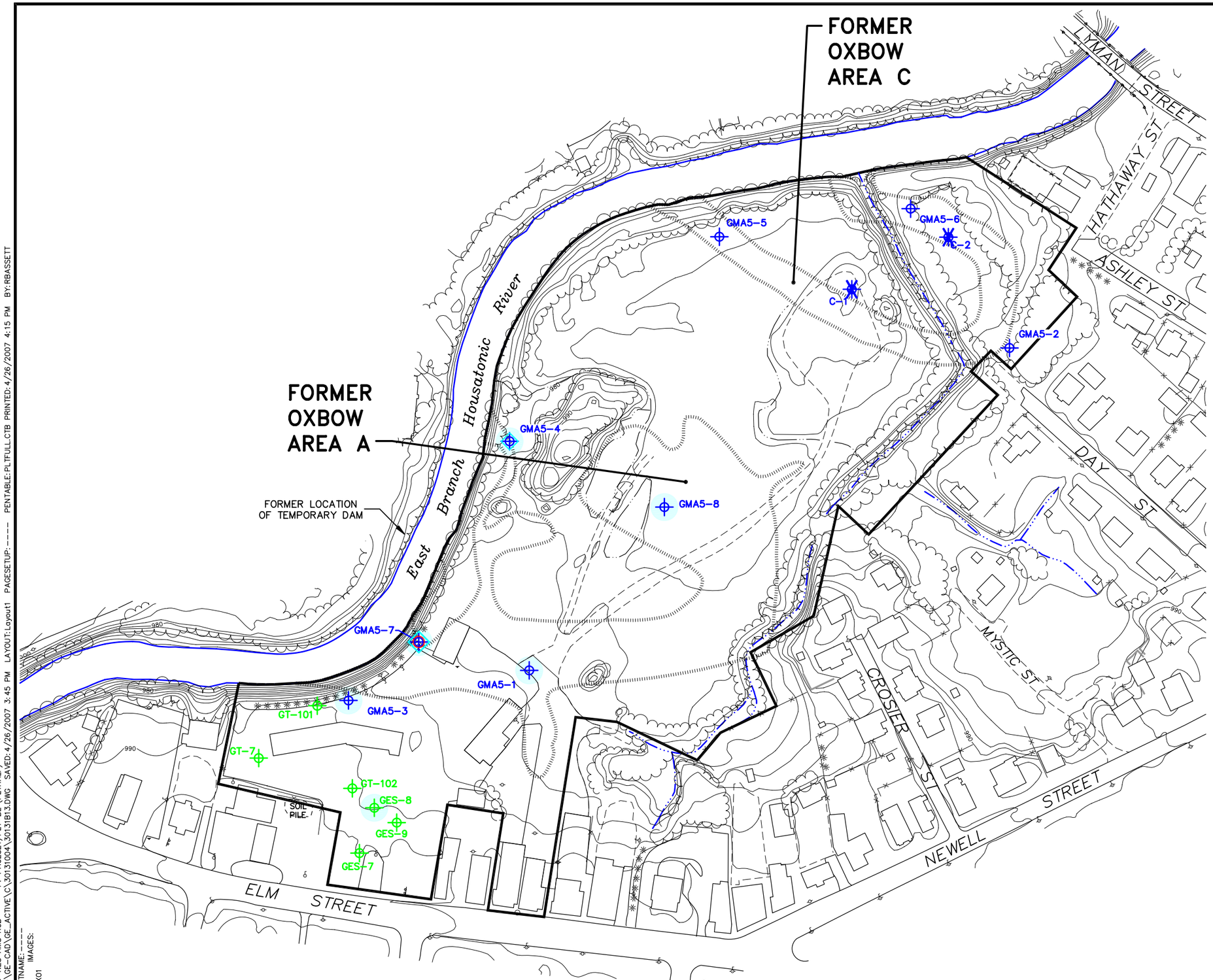

LEGEND:

- GMA 5 SITE BOUNDARY
- FORMER OXBOW/LOW-LYING AREA
- FENCE
- DITCHES/STREAMS WITH INTERMITTENT FLOW
- GMA5 MONITORING PROGRAM WELL
- GW-2 SENTINEL/ COMPLIANCE WELL
- GW-3 PERIMETER WELL
- ADJACENT MCP DISPOSAL SITE MONITORING PROGRAM WELL
- DECOMMISSIONED MONITORING PROGRAM WELL
- PROPOSED GROUDWATER ELEVATION MONITORING LOCATION

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 AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. FORMER RIVER CHANNEL AND LOWLAND AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. NOT ALL PHYSICAL FEATURES SHOWN.
4. SITE PROPERTY BOUNDARIES ARE APPROXIMATE.
5. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.

0 150' 300'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD MASSACHUSETTS
GMA 5 GROUNDWATER QUALITY MONITORING PROGRAM

PROPOSED LONG-TERM GROUNDWATER MONITORING PROGRAM

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE 4

SYR-85-NES AMS RCB P: PAGESET/PLT-BL (PLTHALF)
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ARCADIS BBL

Appendices

ARCADIS BBL

Appendix A

Field Sampling Data

GROUNDWATER SAMPLING LOG

Well No. GMA 5-1
Key No. ~~HA~~ FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-5
Sampling Personnel GAR, SWD
Date 11/15/06
Weather Cloudy, 55-60°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.30' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 5.72-15.72 Meas. From Ground
Water Table Depth 8.74' Meas. From TIC
Well Depth 15.50' Meas. From TIC
Length of Water Column 6.76'
Volume of Water in Well 1.10 gallons
Intake Depth of Pump/Tubing 12.1' 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 15:30
Sample ID GMA5-1
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)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) Total EPA Cyanide, Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 14:15
Pump Stop Time 17:20
Minutes of Pumping 185
Volume of Water Removed 4.9 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, 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]*
14:20	100	0.13	8.82	—	—	—	9	—	—
14:35	100	0.53	8.93	14.57	7.02	2.258	10	19.30	-32.4
14:40	100	0.66	8.96	14.49	6.84	2.060	7	2.24	-23.7
14:45	100	0.79	9.02	14.38	6.77	1.935	6	1.70	-13.7
14:50	100	0.92	9.08	14.30	6.73	1.852	6	1.50	-11.9
14:55	100	1.06	9.16	14.23	6.71	1.826	5	1.36	-9.9
15:00	100	1.19	9.22	14.11	6.69	1.813	4	1.24	-9.2
15:05	100	1.32	9.33	13.99	6.68	1.806	4	1.16	-10.0

*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, Odorless
Final Purge: Clear, Odorless

SAMPLE DESTINATION

Laboratory: SGS / NEA
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. GMA5-1

Site/GMA Name GE Pittsfield - GMA-5
Sampling Personnel GAR, SWD
Date 11/15/06
Weather Cloudy; 55-60°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
15:10	100	1.45	9.43	13.97	6.69	1.828	4	1.12	-14.4
15:15	100	1.58	9.51	13.99	6.70	1.882	3	1.08	-17.6
15:20	100	1.72	9.60	14.04	6.72	1.915	3	1.02	-20.8
15:25	100	1.85	9.66	14.02	6.76	1.918	4	1.00	-24.8

* 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

GROUNDWATER SAMPLING LOG

Well No. GMA5-2
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield / GMA 5
Sampling Personnel SAB
Date 11/20/06
Weather Cloudy Breezy 35°F

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 5.91'-20.91' Meas. From Ground
Water Table Depth 9.52 Meas. From TIC
Well Depth 20.67 Meas. From TIC
Length of Water Column 11.15
Volume of Water in Well 1.81
Intake Depth of Pump/Tubing 15.0 Meas. From TIC

Sample Time 1200
Sample ID GMA5-2
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)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)
X	Cyanide (Total)	X
X	Sulfide (Total)	X

EVACUATION INFORMATION

Pump Start Time 1040
Pump Stop Time 1300
Minutes of Pumping 140
Volume of Water Removed ~~3.5~~ 7.4 gallons
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 MPS 03C1461, 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]*
1045	200	0	9.55	—	—	—	108	—	—
1050	200	1000	9.56	—	—	—	86	—	—
1055	200	2000	9.56	—	—	—	73	—	—
1100	200	3000	9.57	—	—	—	52	—	—
1105	200	4000	9.57	10.95	6.72	1.028	45	1.13	8.0
1110	200	5000	9.57	10.97	6.75	1.024	42	1.02	2.5
1115	200	6000	9.57	10.95	6.77	1.020	33	0.89	-1.3
1120	200	7000	—	10.91	6.77	1.007	29	0.90	-4.4

* 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

SAMPLE DESTINATION

Laboratory: SGS / ~~[illegible]~~ NEA
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

C:\WORD\GE\[illegible]

GROUNDWATER SAMPLING LOG

Well No. GMA5-2

Site/GMA Name GE Pittsfield/GMA 5

Sampling Personnel SAB

Date 11/20/06

Weather Cloudy, Breezy 35°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1125	200	8000	9.57	10.86	6.72	0.988	26	0.78	-5.1
1130	200	9000	9.57	10.85	6.72	0.971	24	0.65	-7.3
1135	200	10000	9.57	10.86	6.75	0.967	26	0.56	-6.8
1140	200	11000	9.57	10.85	6.72	0.965	23	0.56	-7.1
1145	200	12000	9.57	10.84	6.72	0.964	23	0.56	-7.4
1150	200	13000	9.57	10.85	6.73	0.965	22	0.57	-7.5

* 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

GROUNDWATER SAMPLING LOG

Well No. GMA5-3
Key No. N/A
PID Background (ppm) 0.0
Well Headspace (ppm) 0.0

Site/GMA Name GE/GMA5
Sampling Personnel SWS/GAR
Date 11/21/06
Weather Clear, Cold

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point .29' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 10-25' Meas. From BGS
Water Table Depth 16.81' Meas. From TIC
Well Depth 24.72' Meas. From TIC
Length of Water Column 7.91
Volume of Water in Well 1.29 gallons
Intake Depth of Pump/Tubing 20.77 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 1205
Sample ID GMA5-3
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)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

Sulfide, Total EPA CN

EVACUATION INFORMATION

Pump Start Time 1116
Pump Stop Time 13:00
Minutes of Pumping 104
Volume of Water Removed 5.5 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Masterflex 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]*
1140	200	1.27	17.23	12.74	6.65	1.043	9	7.75	-44.9
1145	↓	1.53	17.23	12.83	6.72	1.048	6	7.38	-45.2
1150		1.79	17.23	12.90	6.73	1.058	3	7.43	-45.2
1155		2.05	17.31	13.03	6.72	1.067	3	7.48	-45.6
1200	↓	2.31	17.31	12.93	6.73	1.073	2	7.51	-45.9
~~1205~~									

*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: Sulfide odor; clear
Final: No change

SAMPLE DESTINATION

Laboratory: SGS/NEA
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

C:\WORK\GE\Groundwater\554199\Attachment\3-2

GROUNDWATER SAMPLING LOG

Well No. GMA5-4 | Site/GMA Name GMA-5, GE Pittsfield
Key No. Ex-37 | Sampling Personnel PF / SAB
PID Background (ppm) 0 | Date 11-15-06
Well Headspace (ppm) 0 | Weather Overcast 50°F Cloudy

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ___ Meas. From ___
Well Diameter 2 in
Screen Interval Depth 8.09-18.09 Meas. From Ground
Water Table Depth 7.43 Meas. From TOC
Well Depth 18.03 Meas. From TIC
Length of Water Column 10.60
Volume of Water in Well 1.73
Intake Depth of Pump/Tubing 13.0 Meas. From TOC

Sample Time 1350
Sample ID GMA5-4
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)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide, Cyanide (Total)	(X)

EVACUATION INFORMATION

Pump Start Time 1225
Pump Stop Time 1500
Minutes of Pumping 155
Volume of Water Removed ~~3.5 gal~~ 8 gallons
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 MPS 03C1461, Hach 2100P Turbidimeter

Time	Pump Rate ml (L/min.)	Total ml ~~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]*
1230	200ml	0	—	—	—	—	168	—	—
1235	200	1000	7.49	—	—	—	187	—	—
1240	200	2000	—	—	—	—	140	—	—
1245	200	3000	7.49	—	—	—	104	—	—
1250	200	4000	—	—	—	—	84	—	—
1255	200	5000	—	—	—	—	64	—	—
1300	200	6000	7.49	11.79	6.82	1.286	42	9.04	31.2
1305	200	7000	—	11.78	7.08	1.282	35	3.72	15.1

* 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

SAMPLE DESTINATION

Laboratory: SGS/NEA
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA 5-4

Site/GMA Name GMA-5, GE Pittsfield
Sampling Personnel PF/SAB
Date 11-15-06
Weather Overcast 50°F Cloudy

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1310	200	8000	7.49	11.47	7.35	1.286	23	1.39	-2.9
1315	200	9000	7.49	11.49	7.37	1.286	20	0.89	-7.6
1320	200	10000	—	11.52	7.36	1.286	16	0.75	-7.9
1325	200	11000	7.49	11.54	7.41	1.287	13	0.68	-6.8
1330	200	12000	-	11.50	7.44	1.287	15	0.57	-7.3
1335	200	13000	7.50	11.49	7.49	1.289	8	0.52	-7.0
1340	200	14000	7.50	11.48	7.48	1.288	7	0.51	-6.9
1345	200	15000	7.50	11.46	7.48	1.287	7	0.50	-6.5

* 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

GROUNDWATER SAMPLING LOG

Well No. GMA5-5
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield / GMA-5
Sampling Personnel PF / SATS
Date 11/16/06
Weather Cloudy, Overcast 55°F

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ______ Meas. From ______
Well Diameter 2"
Screen Interval Depth 6.77 - 21.77 Meas. From Ground
Water Table Depth 11.89 Meas. From TIC
Well Depth 24.80 Meas. From TIC
Length of Water Column 12.91'
Volume of Water in Well 2-11 gallons
Intake Depth of Pump/Tubing 16.4 Meas. From TIC

Sample Time 1050
Sample ID GMA5-5
Duplicate ID —
MS/MSD Collected
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)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(F)
(X)	Pesticides/Herbicides	(F)
( )	Natural Attenuation	( )
(X)	Other (Specify) ~~Exp~~ Cyanide (total) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 0940
Pump Stop Time 1430
Minutes of Pumping 290
Volume of Water Removed 15-25 gallons
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 MPS, Hach 2100P Turbidimeter

Time	Pump Rate (mL/min.)	Total ~~Gallons~~ mL 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]*
945	200	0	11.90	—	—	—	95	—	—
950	200	1000	11.90	—	—	—	100	—	—
955	200	2000	11.90	—	—	—	62	—	—
1000	200	3000	11.90	12.86	6.86	0.845	39	11.47	-37.1
1005	200	4000	11.90	12.55	6.80	0.845	29	6.21	-35.8
1010	200	5000	11.90	12.38	6.72	0.842	22	3.10	-38.5
1015	200	6000	11.90	12.27	6.73	0.842	20	2.35	-38.8
1020	200	7000	—	12.22	6.80	0.843	13	1.89	-38.9

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS/NEA
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

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GROUNDWATER SAMPLING LOG

Well No. GMA5-5

Site/GMA Name GE Pittsfield /GMA-5
Sampling Personnel PF/BAB
Date 11/16/06
Weather Cloudy, Overcast 50-55°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1025	200	8000	11.90	12.18	6.82	0.843	12	1.68	-38.2
1030	200	9000	-	12.19	6.85	0.846	7	1.58	-38.6
1035	200	10000	11.90	12.22	6.84	0.846	7	1.49	-38.6
1040	200	11000	11.90	12.21	6.85	0.846	6	1.48	-38.9

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

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GROUNDWATER SAMPLING LOG

Well No. GMA5-6
Site/GMA Name GE Pittsfield / GMA 5
Key No.
Sampling Personnel PF/SATS
PID Background (ppm) 0
Date 11/17/06
Well Headspace (ppm) 0
Weather Sunny, Partly Cloudy 50°F

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 5.42-15.42 Meas. From Ground
Water Table Depth 6.42 Meas. From TIC
Well Depth 15.31 Meas. From TIC
Length of Water Column 8.89'
Volume of Water in Well 1.45 gallons
Intake Depth of Pump/Tubing 11.7 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 1215
Sample ID GMA5-6
Duplicate ID Collected (GMA5-Dup1)
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)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) Cyanide (total) Sulfide (total)	(X)

EVACUATION INFORMATION

Pump Start Time 1055
Pump Stop Time ~~1345~~ 14:05
Minutes of Pumping 190
Volume of Water Removed 10 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, Hach 2100P Turbidimeter

Time	Pump Rate (mL/min.)	Total mL 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]*
1100	200	0	6.89	—	—	—	48	—	—
1105	200	1000	7.06	—	—	—	42	—	—
1110	200	2000	7.24	—	—	—	27	—	—
1115	200	3000	7.38	13.14	6.56	1.213	22	2.27	9.4
1120	200	4000	7.44	12.98	6.45	1.216	13	2.19	9.5
1125	200	5000	7.47	13.16	6.44	1.214	13	2.24	11.2
1130	200	6000	7.49	13.14	6.46	1.216	12	2.06	10.7
1135	200	7000	7.50	13.03	6.46	1.216	11	1.78	7.7

* 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

SAMPLE DESTINATION

Laboratory: SGS/NEA
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. GMA5-6

Site/GMA Name: GE Pittsfield/GMA5
Sampling Personnel: PF/SAB
Date: 11/17/06
Weather: Sunny, Partly Cloudy 50°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1140	200	8000	11.51	13.24	6.48	1.213	9	1.54	4.8
1145	200	9000	11.52	13.36	6.52	1.214	8	1.42	0.6
1150	200	10000	11.51	13.24	6.49	1.219	11	1.41	-0.5
1155	200	11000	11.60	13.09	6.49	1.217	8	1.36	-3.7
1200	200	12000	11.61	13.08	6.48	1.218	7	1.38	-3.4
1205	200	13000	11.63	13.09	6.47	1.218	7	1.37	-3.5
1210	200	14000	11.64	13.09	6.48	1.217	6	1.36	-3.6

* 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

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GROUNDWATER SAMPLING LOG

Well No. GMA5-7
Key No.
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield/GMA 5
Sampling Personnel SAB
Date 11/20/06
Weather Cloudy, Breezy 35°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 8'-28' Meas. From Ground
Water Table Depth 13.72 Meas. From TIC
Well Depth 27.78 Meas. From TIC
Length of Water Column 14.06
Volume of Water in Well 2.29
Intake Depth of Pump/Tubing 21.8 Meas. From TIC

Sample Time ~~1315~~ 15:15
Sample ID GMA5-7
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~~ SAB)	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	(~~X~~ SAB)
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) Cyanide (total) Sulfide (total)	(X)

EVACUATION INFORMATION

Pump Start Time 1340
Pump Stop Time 1630
Minutes of Pumping 170
Volume of Water Removed 9.0 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump (~~X~~ SAB) 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 (mL/min.)	Total ~~Gallons~~ mL 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	200	0	14.01	—	—	—	108	—	—
1350	200	1000	14.87	—	—	—	119	—	—
1355	200	2000	15.14	—	—	—	119	—	—
1400	200	3000	15.16	—	—	—	83	—	—
1405	200	4000	15.40	—	—	—	73	—	—
1410	200	5000	15.48	—	—	—	61	—	—
1415	200	6000	15.56	—	—	—	45	—	—
1420	200	7000	15.74	11.49	7.64	0.556	36	6.52	110.1

* 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

SAMPLE DESTINATION

Laboratory: SGS/NEA
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA5-7

Site/GMA Name GE Pittsfield / GMA 5

Sampling Personnel SAB

Date 11/20/06

Weather Cloudy, Breezy 35°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons ML 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	200	8000	15.91	11.96	7.32	0.553	23	5.81	81.2
1430	200	9000	15.93	12.10	7.18	0.552	21	5.76	50.1
1435	200	10000	15.99	12.09	7.09	0.551	24	5.76	36.7
1440	200	11000	16.00	12.03	7.08	0.552	25	5.76	30.4
1445	200	12000	15.99	11.94	7.05	0.551	23	5.72	25.1
1450	200	13000	15.99	11.89	7.01	0.551	20	5.69	19.9
1455	200	14000	16.00	11.91	7.00	0.551	19	5.66	18.3
1500	200	15000	16.01	11.92	6.99	0.551	18	5.65	17.1
1505	200	16000	16.00	11.91	6.98	0.552	16	5.64	16.8
1510	200	17000	15.98	11.91	6.99	0.551	16	5.65	16.4

* 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

GROUNDWATER SAMPLING LOG

Well No. GMA5-8
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield / GMA-5
Sampling Personnel PF/SAB
Date 11/28/06
Weather Cloudy 45°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 8'-18' Meas. From Ground
Water Table Depth 12.78 Meas. From TIC
Well Depth 17.78 Meas. From TIC
Length of Water Column 5.0'
Volume of Water in Well 0.82 gallons
Intake Depth of Pump/Tubing 15.5 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 1430
Sample ID GMA5-8
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)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)
X	Cyanide (Total)	X
X	Sulfide (Total)	X

EVACUATION INFORMATION

Pump Start Time 1320
Pump Stop Time 1530
Minutes of Pumping 130
Volume of Water Removed 6.9 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Mirschulk - 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 (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]*
1325	200	0	13.00	—	—	—	>999	—	—
1330	200	1000	12.94	—	—	—	>999	—	—
1335	200	2000	13.04	—	—	—	323	—	—
1340	200	3000	13.10	—	—	—	275	—	—
1345	200	4000	13.14	—	—	—	38	—	—
1350	200	5000	13.10	11.12	6.81	1.033	19	6.30	-69.9
1355	200	6000	13.10	10.97	6.87	1.029	18	2.22	-80.8
1400	200	7000	13.11	10.93	6.92	1.009	10	1.83	-76.5

*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 water extremely black with slight sheen

SAMPLE DESTINATION

Laboratory: SGS/NEA
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

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GROUNDWATER SAMPLING LOG

Well No. GMA5-8

Site/GMA Name GE Pittsfield / GMA-5

Sampling Personnel PF / SAB

Date 11/28/06

Weather Cloudy 45°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1405	200	8000	13.11	10.92	6.94	0.999	8	1.65	-74.1
1410	200	9000	13.20	10.89	6.92	0.988	7	1.55	-68.2
1415	200	10000	13.21	10.86	6.93	0.984	5	1.50	-69.0
1420	200	11000	13.21	10.87	6.93	0.985	4	1.51	-68.6
1425	200	12000	13.20	10.87	6.93	0.984	3	1.51	-68.3

* 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

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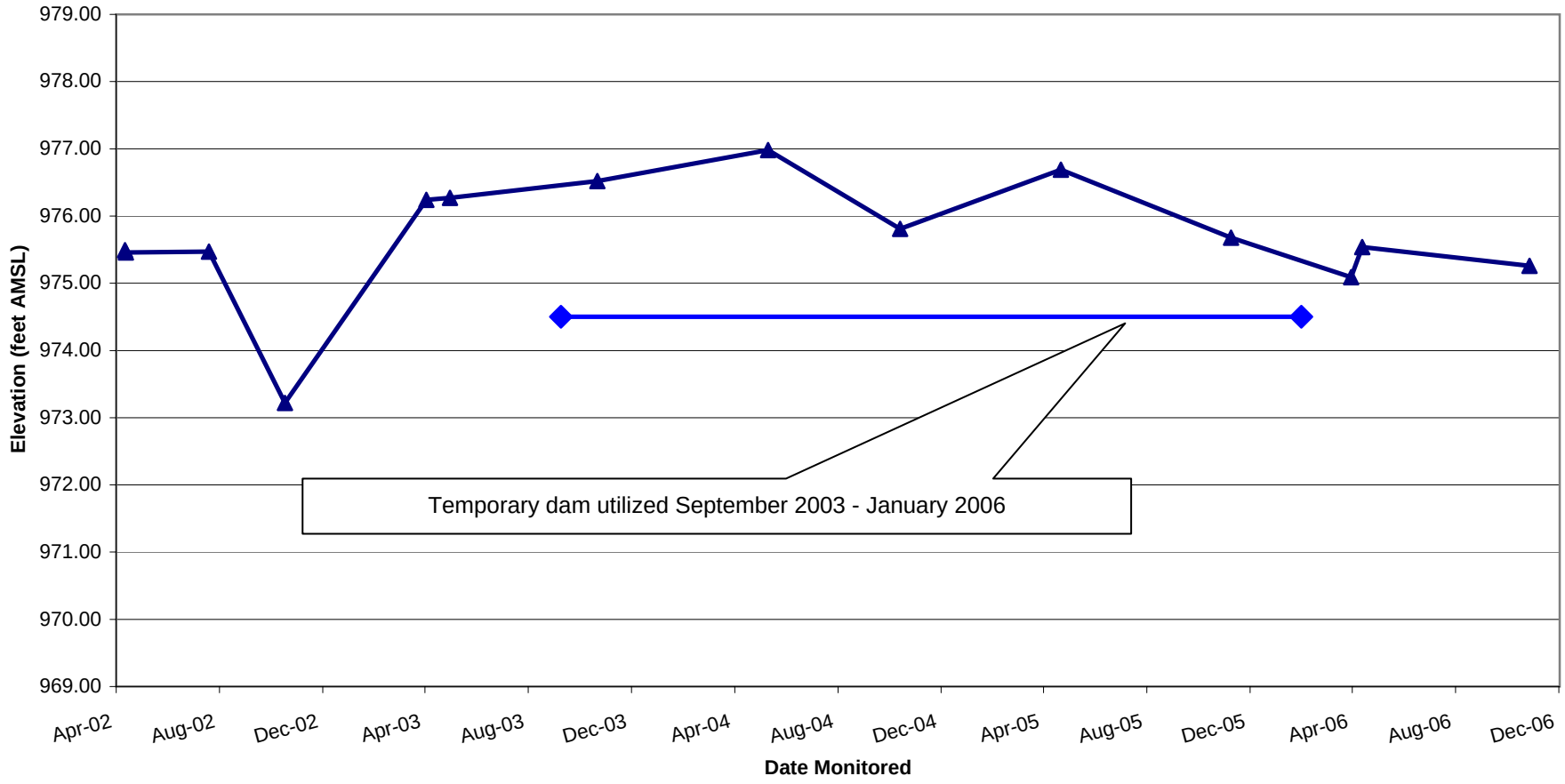
Appendix B

Historical Groundwater Elevations

Appendix B

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

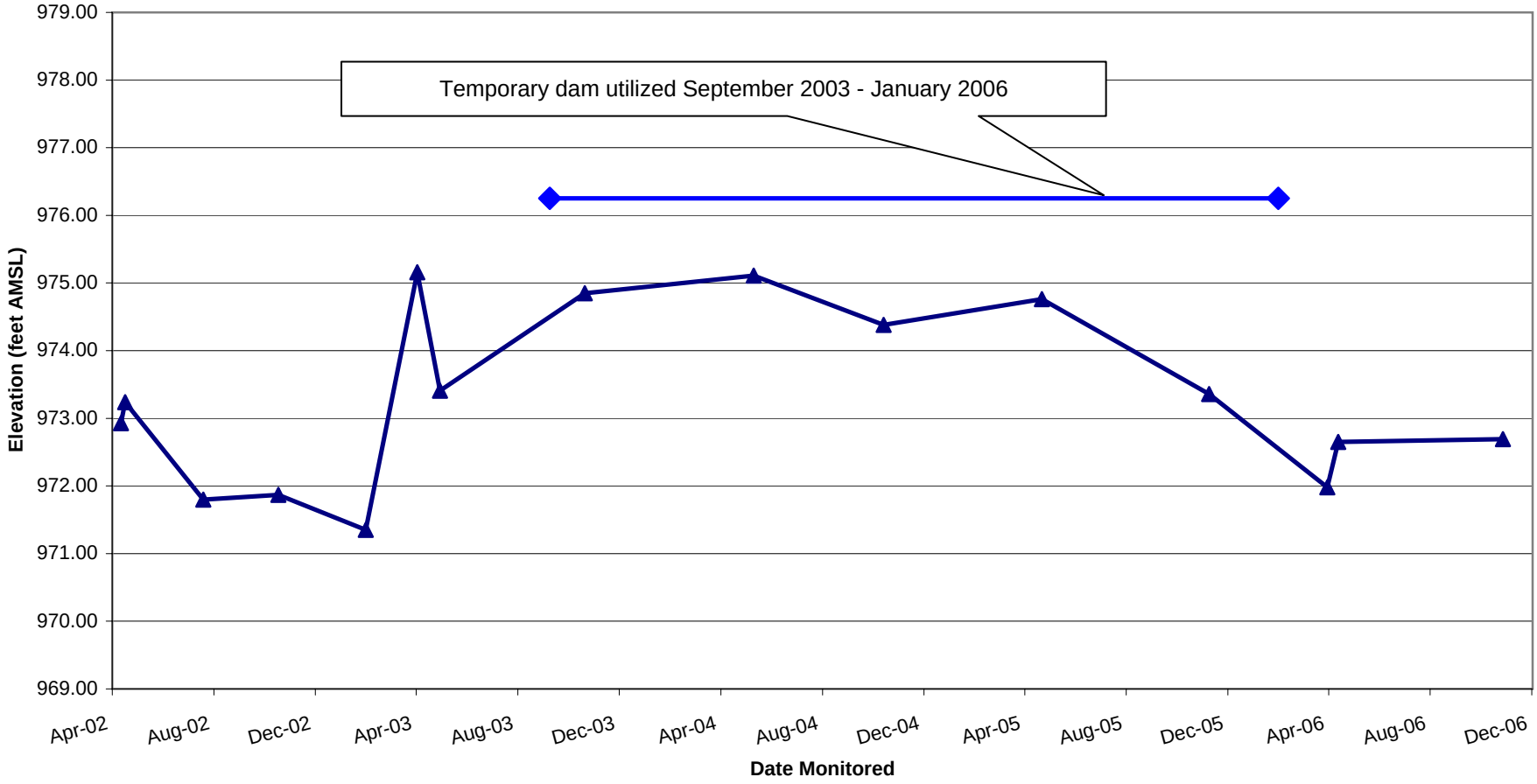
Historical Groundwater Elevations
Well GMA5-1



Appendix B

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

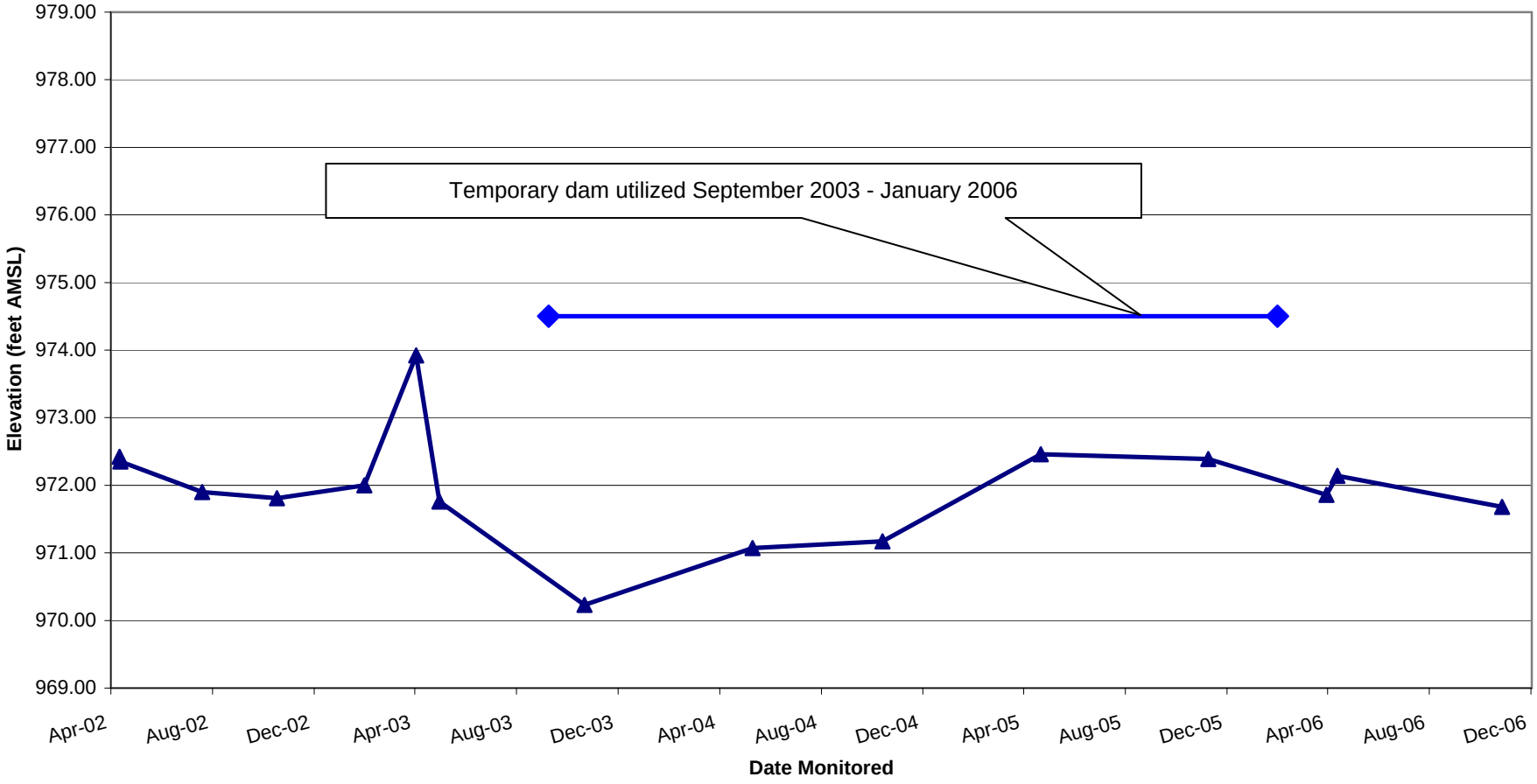
Historical Groundwater Elevations
Well GMA5-2



Appendix B

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

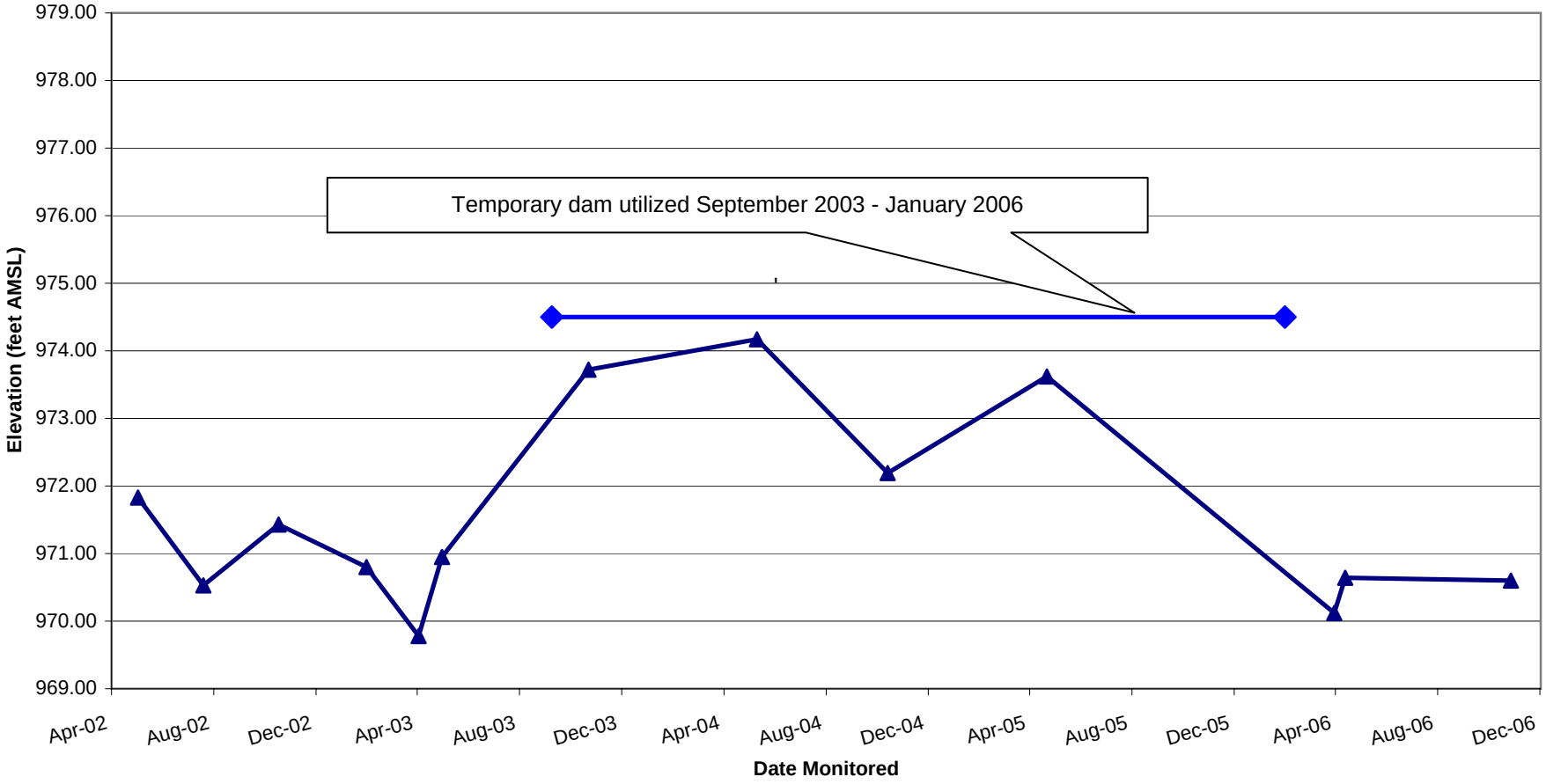
Historical Groundwater Elevations
Well GMA5-3



Appendix B

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

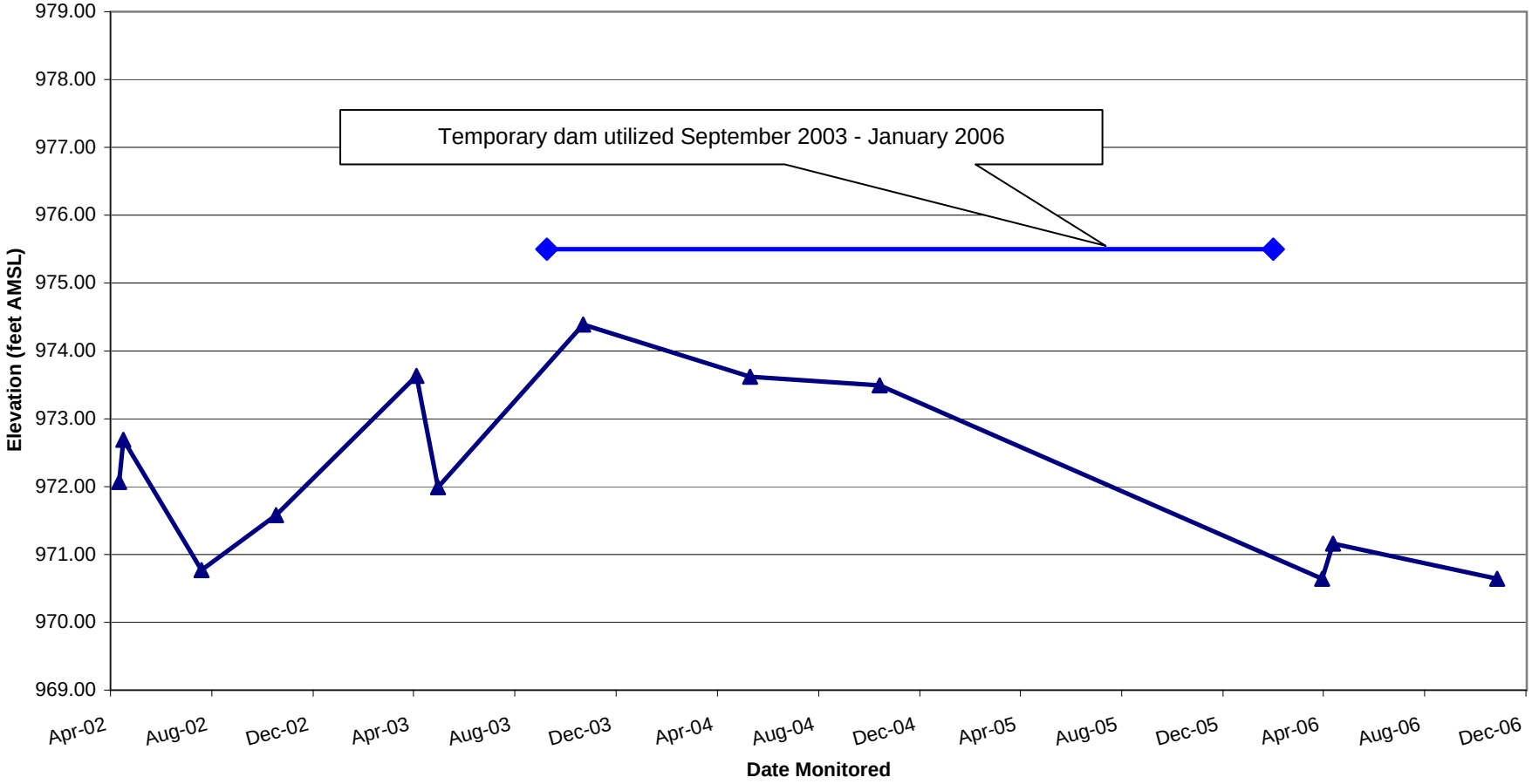
Historical Groundwater Elevations
Well GMA5-4



Appendix B

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

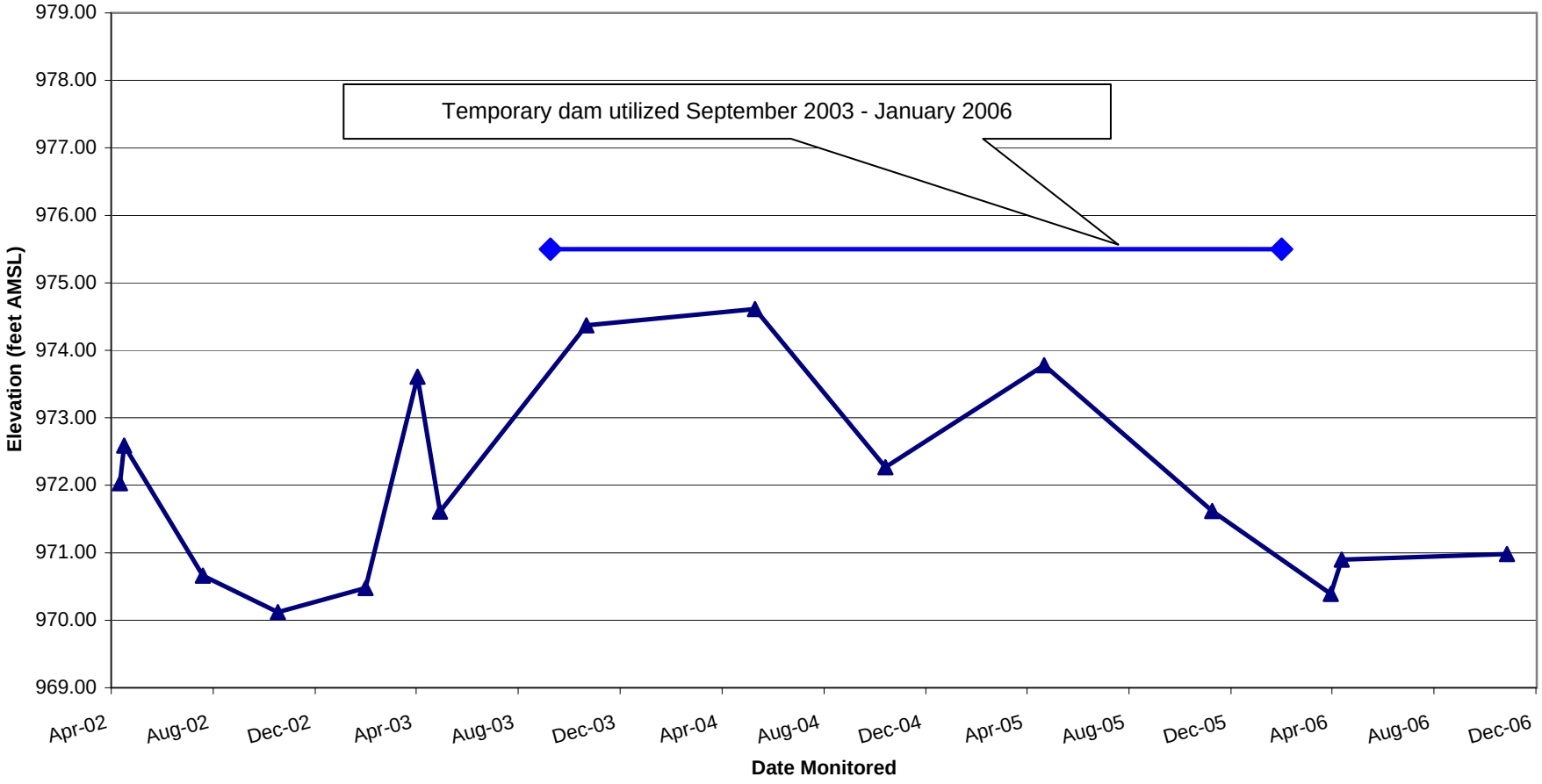
Historical Groundwater Elevations
Well GMA5-5



Appendix B

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

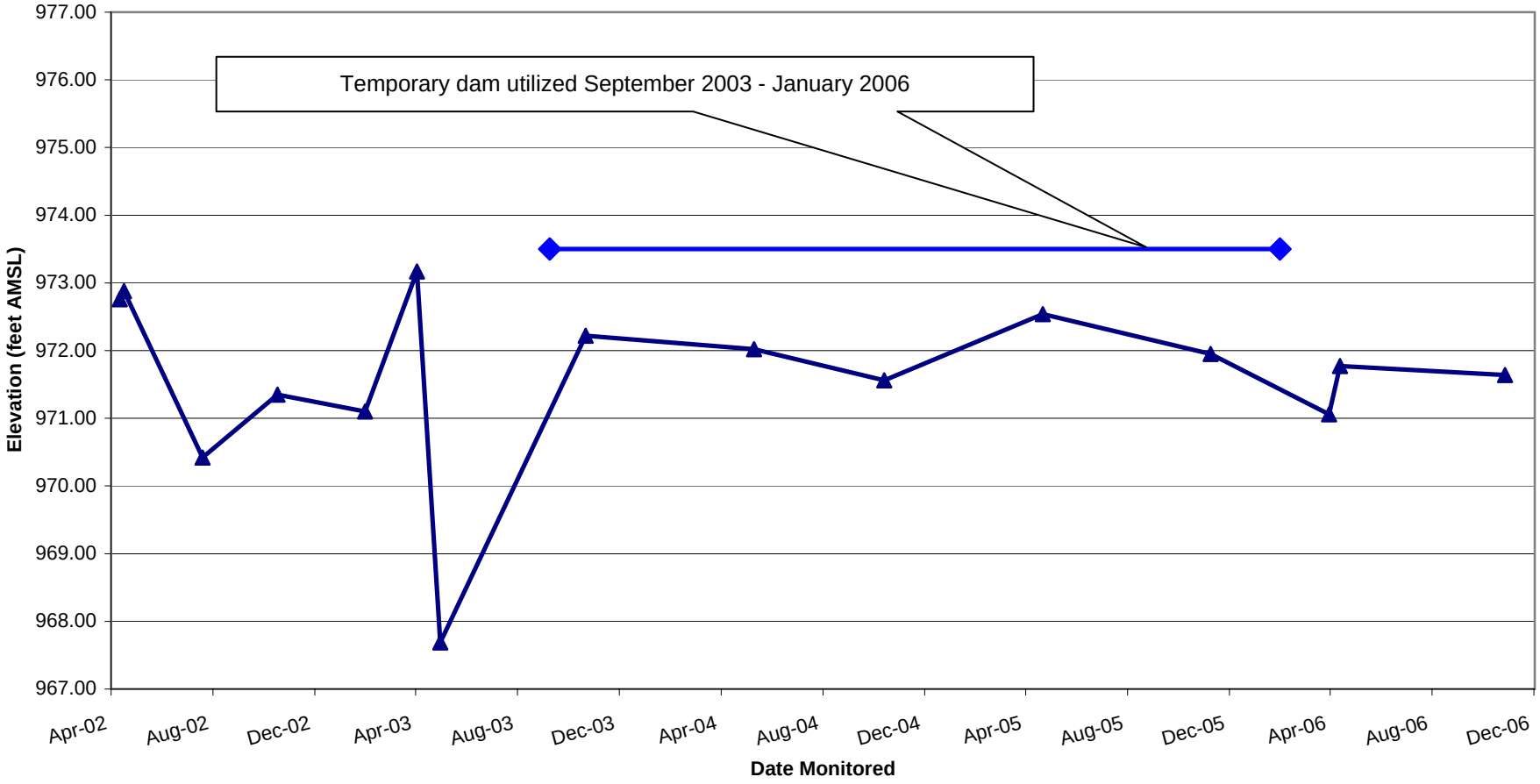
Historical Groundwater Elevations
Well GMA5-6



Appendix B

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

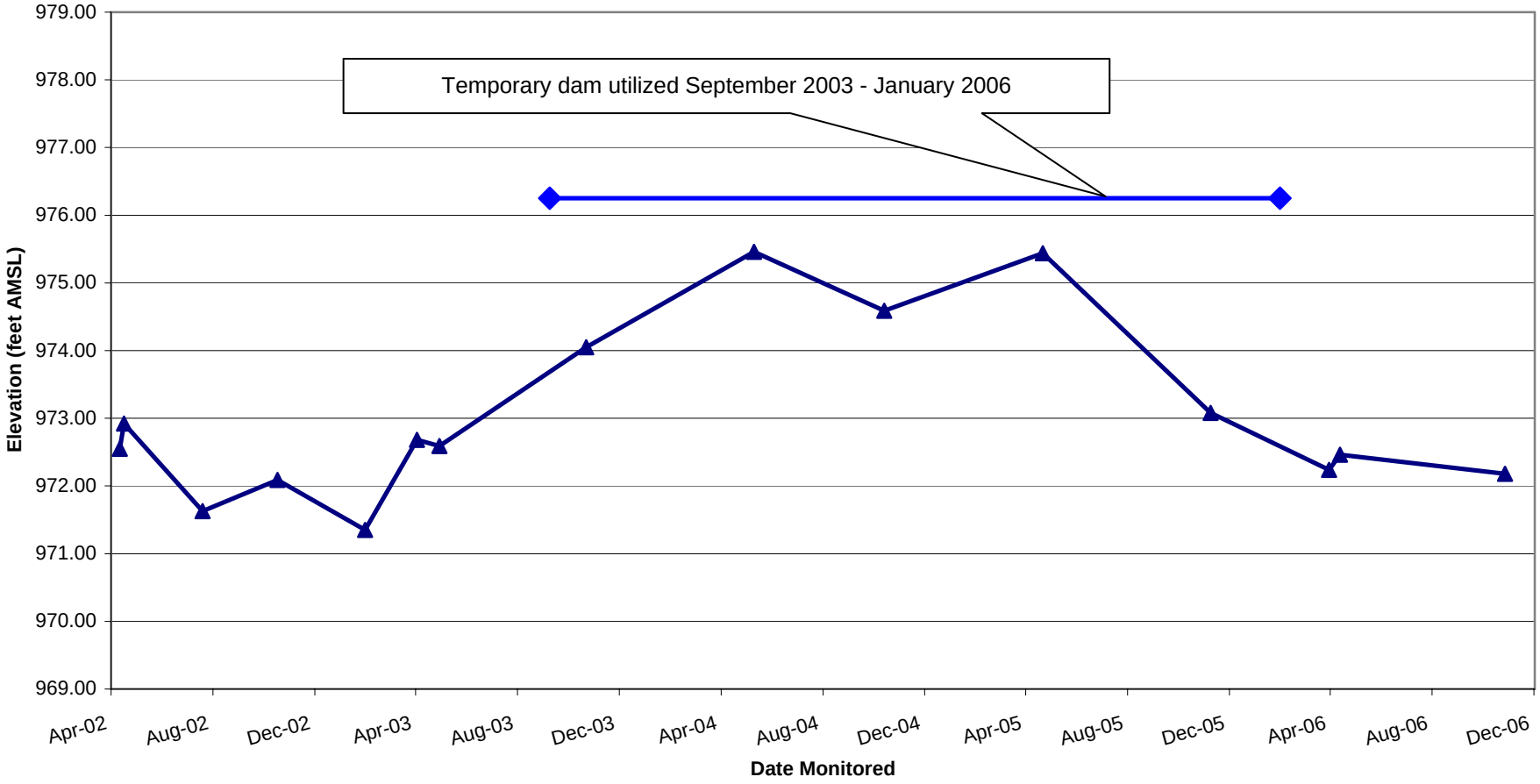
Historical Groundwater Elevations
Well GMA5-7



Appendix B

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Historical Groundwater Elevations
Well GMA5-8



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Appendix C

Validated Groundwater Analytical Results – Fall 2006

Table C-1
Validated Groundwater Analytical Results - Fall 2006

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06	GMA5-3 SGS 11/21/06
Volatile Organics						
1,1,1,2-Tetrachloroethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,1,1-Trichloroethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,1,2,2-Tetrachloroethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,1,2-Trichloroethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,2,3-Trichloropropane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane		ND(0.0050) J	NA	ND(0.0050) J	NA	ND(0.0050) J
1,2-Dibromoethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloroethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloropropane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,4-Dioxane		ND(0.10) J	NA	ND(0.10) J	NA	ND(0.10) J
2-Butanone		ND(0.0050)	NA	ND(0.0050) J	NA	ND(0.0050) J
2-Chloro-1,3-butadiene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
2-Chloroethylvinylether		ND(0.013) J	NA	ND(0.013) J	NA	ND(0.013) J
2-Hexanone		ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)
3-Chloropropene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
4-Methyl-2-pentanone		ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)
Acetone		ND(0.0050) J	NA	ND(0.0050) J	NA	ND(0.0050) J
Acetonitrile		ND(0.020) J	NA	ND(0.020) J	NA	ND(0.020) J
Acrolein		ND(0.025) J	NA	ND(0.025) J	NA	ND(0.025) J
Acrylonitrile		ND(0.025) J	NA	ND(0.025) J	NA	ND(0.025) J
Benzene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Bromodichloromethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Bromoform		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Bromomethane		ND(0.0010)	NA	ND(0.0010) J	NA	ND(0.0010) J
Carbon Disulfide		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Carbon Tetrachloride		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Chlorobenzene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Chloroethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Chloroform		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Chloromethane		ND(0.0034)	NA	ND(0.0010)	NA	ND(0.0010)
cis-1,3-Dichloropropene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Dibromochloromethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Dibromomethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Dichlorodifluoromethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Ethyl Methacrylate		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Iodomethane		ND(0.0010) J	NA	ND(0.0010) J	NA	ND(0.0010) J
Isobutanol		ND(0.050) J	NA	ND(0.050) J	NA	ND(0.050) J
Methacrylonitrile		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Methyl Methacrylate		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Methylene Chloride		ND(0.0050)	NA	ND(0.0050) J	NA	ND(0.0050)
Propionitrile		ND(0.020) J	NA	ND(0.020) J	NA	ND(0.020) J
Styrene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Tetrachloroethene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Toluene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
trans-1,2-Dichloroethene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
trans-1,3-Dichloropropene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
trans-1,4-Dichloro-2-butene		ND(0.0050) J	NA	ND(0.0050) J	NA	ND(0.0050) J
Trichloroethene		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Trichlorofluoromethane		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Vinyl Acetate		ND(0.0025) J	NA	ND(0.0025) J	NA	ND(0.0025) J
Vinyl Chloride		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Xylenes (total)		ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Total VOCs		ND(0.10)	NA	ND(0.10)	NA	ND(0.10)

Table C-1
Validated Groundwater Analytical Results - Fall 2006

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06	GMA5-3 SGS 11/21/06
PCBs-Unfiltered						
Aroclor-1016		ND(0.00010)	NA	ND(0.00011)	NA	ND(0.00010)
Aroclor-1221		ND(0.00010)	NA	ND(0.00011)	NA	ND(0.00010)
Aroclor-1232		ND(0.00010)	NA	ND(0.00011)	NA	ND(0.00010)
Aroclor-1242		ND(0.00010)	NA	ND(0.00011)	NA	ND(0.00010)
Aroclor-1248		ND(0.00010)	NA	ND(0.00011)	NA	ND(0.00010)
Aroclor-1254		ND(0.00010)	NA	0.000072 J	NA	0.000093 J
Aroclor-1260		0.000045 J	NA	ND(0.00011)	NA	ND(0.00010)
Total PCBs		0.000045 J	NA	0.000072 J	NA	0.000093 J
PCBs-Filtered						
Aroclor-1016		ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)
Aroclor-1221		ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)
Aroclor-1232		ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)
Aroclor-1242		ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)
Aroclor-1248		ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)
Aroclor-1254		ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)
Aroclor-1260		ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)
Total PCBs		ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
1,2,4-Trichlorobenzene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
1,2-Dichlorobenzene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
1,2-Diphenylhydrazine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
1,3,5-Trinitrobenzene		ND(0.050)	NA	ND(0.050)	NA	ND(0.050)
1,3-Dichlorobenzene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
1,3-Dinitrobenzene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
1,4-Dichlorobenzene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
1,4-Naphthoquinone		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
1-Naphthylamine		ND(0.050)	NA	ND(0.050)	NA	ND(0.050)
2,3,4,6-Tetrachlorophenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2,4,5-Trichlorophenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2,4,6-Trichlorophenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2,4-Dichlorophenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2,4-Dimethylphenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2,4-Dinitrophenol		ND(0.050)	NA	ND(0.050)	NA	ND(0.050)
2,4-Dinitrotoluene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2,6-Dichlorophenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2,6-Dinitrotoluene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2-Acetylaminofluorene		ND(0.020)	NA	ND(0.020)	NA	ND(0.020)
2-Chloronaphthalene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2-Chlorophenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2-Methylnaphthalene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2-Methylphenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2-Naphthylamine		ND(0.050)	NA	ND(0.050)	NA	ND(0.050)
2-Nitroaniline		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2-Nitrophenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
2-Picoline		ND(0.010) J	NA	ND(0.010)	NA	ND(0.010)
3&4-Methylphenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
3,3'-Dichlorobenzidine		ND(0.020)	NA	ND(0.020)	NA	ND(0.020)
3,3'-Dimethylbenzidine		ND(0.050)	NA	ND(0.050)	NA	ND(0.050)
3-Methylcholanthrene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
3-Nitroaniline		ND(0.050)	NA	ND(0.050)	NA	ND(0.050)
4,6-Dinitro-2-methylphenol		ND(0.050)	NA	ND(0.050)	NA	ND(0.050)
4-Aminobiphenyl		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
4-Bromophenyl-phenylether		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
4-Chloro-3-Methylphenol		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
4-Chloroaniline		ND(0.050)	NA	ND(0.050) J	NA	ND(0.050) J
4-Chlorobenzilate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
4-Chlorophenyl-phenylether		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
4-Nitroaniline		R	NA	ND(0.050)	NA	ND(0.050)
4-Nitrophenol		ND(0.050)	NA	ND(0.050)	NA	ND(0.050)

Table C-1
Validated Groundwater Analytical Results - Fall 2006

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06	GMA5-3 SGS 11/21/06
Semivolatile Organics (continued)						
4-Nitroquinoline-1-oxide		ND(0.050) J	NA	ND(0.050) J	NA	ND(0.050) J
4-Phenylenediamine		ND(0.020) J	NA	ND(0.020) J	NA	ND(0.020) J
5-Nitro-o-toluidine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
7,12-Dimethylbenz(a)anthracene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
a,a'-Dimethylphenethylamine		ND(0.050) J	NA	ND(0.050) J	NA	ND(0.050) J
Acenaphthene		ND(0.010)	NA	ND(0.010)	NA	0.0017 J
Acenaphthylene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Acetophenone		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Aniline		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Anthracene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Aramite		ND(0.010) J	NA	ND(0.010) J	NA	ND(0.010) J
Benzidine		ND(0.020) J	NA	ND(0.020) J	NA	ND(0.020) J
Benzo(a)anthracene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Benzo(a)pyrene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Benzo(b)fluoranthene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Benzo(g,h,i)perylene		R	NA	ND(0.010)	NA	ND(0.010)
Benzo(k)fluoranthene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Benzyl Alcohol		ND(0.020)	NA	ND(0.020)	NA	ND(0.020)
bis(2-Chloroethoxy)methane		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
bis(2-Chloroethyl)ether		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
bis(2-Chloroisopropyl)ether		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
bis(2-Ethylhexyl)phthalate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Butylbenzylphthalate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Chrysene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Diallate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Dibenzo(a,h)anthracene		R	NA	ND(0.010)	NA	ND(0.010)
Dibenzofuran		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Diethylphthalate		ND(0.010)	NA	ND(0.010)	NA	0.0018 J
Dimethylphthalate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Di-n-Butylphthalate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Di-n-Octylphthalate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Diphenylamine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Ethyl Methanesulfonate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Fluoranthene		ND(0.010)	NA	ND(0.010)	NA	0.0033 J
Fluorene		ND(0.010)	NA	ND(0.010)	NA	0.0027 J
Hexachlorobenzene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Hexachlorobutadiene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Hexachlorocyclopentadiene		ND(0.020)	NA	ND(0.020)	NA	ND(0.020)
Hexachloroethane		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Hexachlorophene		ND(0.010) J	NA	ND(0.010)	NA	ND(0.010)
Hexachloropropene		ND(0.020)	NA	ND(0.020)	NA	ND(0.020)
Indeno(1,2,3-cd)pyrene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Isodrin		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Isophorone		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Isosafrole		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Methapyrilene		ND(0.010) J	NA	ND(0.010)	NA	ND(0.010)
Methyl Methanesulfonate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Naphthalene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Nitrobenzene		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosodiethylamine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosodimethylamine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitroso-di-n-butylamine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitroso-di-n-propylamine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosodiphenylamine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosomethylethylamine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosomorpholine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosopiperidine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
N-Nitrosopyrrolidine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
o,o,o-Triethylphosphorothioate		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
o-Toluidine		ND(0.010)	NA	ND(0.010)	NA	ND(0.010)

Table C-1
Validated Groundwater Analytical Results - Fall 2006

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID:	GMA5-1	GMA5-1	GMA5-2	GMA5-2	GMA5-3
Laboratory:	SGS	NEA	SGS	NEA	SGS
Date Collected:	11/15/06	11/15/06	11/20/06	11/20/06	11/21/06
Semivolatile Organics (continued)					
p-Dimethylaminoazobenzene	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Pentachlorobenzene	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Pentachloroethane	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Pentachlorophenol	ND(0.050)	NA	ND(0.050)	NA	ND(0.050)
Phenacetin	ND(0.010)	NA	ND(0.010) J	NA	ND(0.010) J
Phenanthrene	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Phenol	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Pronamide	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Pyrene	ND(0.010)	NA	ND(0.010)	NA	0.0028 J
Pyridine	ND(0.010) J	NA	R	NA	R
Safrole	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Thionazin	ND(0.020)	NA	ND(0.020)	NA	ND(0.020)
Organochlorine Pesticides					
4,4'-DDD	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
4,4'-DDE	ND(0.00030) J	NA	ND(0.00030) J	NA	ND(0.00030) J
4,4'-DDT	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Aldrin	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Alpha-BHC	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Alpha-Chlordane	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Beta-BHC	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Delta-BHC	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Dieldrin	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Endosulfan I	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Endosulfan II	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Endosulfan Sulfate	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Endrin	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Endrin Aldehyde	ND(0.00030)	NA	ND(0.00030)	NA	0.000044 J
Endrin Ketone	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Gamma-BHC (Lindane)	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Gamma-Chlordane	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Heptachlor	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Heptachlor Epoxide	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Kepone	ND(0.010)	NA	ND(0.010) J	NA	ND(0.010) J
Methoxychlor	ND(0.00030)	NA	ND(0.00030)	NA	ND(0.00030)
Technical Chlordane	ND(0.00050)	NA	ND(0.00050)	NA	ND(0.00050)
Toxaphene	ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Herbicides					
2,4,5-T	ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
2,4,5-TP	ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
2,4-D	ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
Dinoseb	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)
Furans					
2,3,7,8-TCDF	ND(0.0000000012)	NA	ND(0.0000000011)	NA	ND(0.0000000011)
TCDFs (total)	ND(0.0000000012)	NA	ND(0.0000000011)	NA	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
PeCDFs (total)	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
HpCDFs (total)	ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
OCDF	ND(0.000000011)	NA	ND(0.000000011)	NA	ND(0.000000011)

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06	GMA5-3 SGS 11/21/06
Dioxins						
2,3,7,8-TCDD		0.0000000014 J	NA	ND(0.0000000011)	NA	ND(0.0000000011)
TCDDs (total)		0.0000000014 J	NA	ND(0.0000000011)	NA	ND(0.0000000011)
1,2,3,7,8-PeCDD		ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
PeCDDs (total)		ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,4,7,8-HxCDD		ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,6,7,8-HxCDD		ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,7,8,9-HxCDD		ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
HxCDDs (total)		ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
HpCDDs (total)		ND(0.0000000054)	NA	ND(0.0000000055)	NA	ND(0.0000000052)
OCDD		ND(0.000000013)	NA	0.000000012 J	NA	0.000000016 J
Total TEQs (WHO TEFs)		0.0000000076	NA	0.0000000069	NA	0.0000000066
Inorganics-Unfiltered						
Antimony		ND(0.0400)	NA	ND(0.0400)	NA	ND(0.0400)
Arsenic		0.0134 J	NA	ND(0.0100)	NA	ND(0.0100)
Barium		0.107 B	NA	ND(0.0500) J	NA	ND(0.0500) J
Beryllium		0.000770 J	NA	ND(0.0100) J	NA	ND(0.0100) J
Cadmium		0.00438 J	NA	ND(0.00500)	NA	ND(0.00500)
Chromium		0.00605 J	NA	ND(0.0100) J	NA	ND(0.0100) J
Cobalt		0.00151 B	NA	ND(0.0100)	NA	ND(0.0100)
Copper		ND(0.200) J	NA	ND(0.200) J	NA	ND(0.200) J
Cyanide		ND(0.0100)	NA	ND(0.0100)	NA	ND(0.0100)
Lead		0.00515 J	NA	ND(0.0100) J	NA	ND(0.0100) J
Mercury		ND(0.000285)	NA	ND(0.000285)	NA	ND(0.000285)
Nickel		0.00754 B	NA	ND(0.0500) J	NA	ND(0.0500) J
Selenium		0.00931 J	NA	ND(0.0200) J	NA	0.00993 J
Silver		0.00168 B	NA	ND(0.0100) J	NA	ND(0.0100) J
Sulfide		ND(1.00)	NA	ND(1.00)	NA	ND(1.00)
Thallium		0.00815 J	NA	0.00662 J	NA	0.00764 J
Tin		ND(0.100)	NA	ND(0.100)	NA	ND(0.100)
Vanadium		ND(0.0500)	NA	ND(0.0500)	NA	ND(0.0500)
Zinc		0.0311 J	NA	ND(0.0500) J	NA	ND(0.0500) J
Inorganics-Filtered						
Antimony		ND(0.0400)	NA	ND(0.0400)	NA	ND(0.0400)
Arsenic		ND(0.0100) J	NA	ND(0.0100)	NA	ND(0.0100)
Barium		0.0938 B	NA	ND(0.0500) J	NA	ND(0.0500) J
Beryllium		ND(0.0100) J	NA	ND(0.0100) J	NA	ND(0.0100) J
Cadmium		0.00394 J	NA	ND(0.00500)	NA	ND(0.00500)
Chromium		0.00449 J	NA	ND(0.0100) J	NA	ND(0.0100) J
Cobalt		0.00105 B	NA	ND(0.0100)	NA	ND(0.0100)
Copper		ND(0.200) J	NA	ND(0.200) J	NA	ND(0.200) J
Cyanide		ND(0.0100)	NA	0.0140	NA	ND(0.0100)
Cyanide-MADEP (PAC)		ND(0.0100)	NA	ND(0.0100)	NA	ND(0.0100)
Lead		0.00227 J	NA	ND(0.0100) J	NA	ND(0.0100) J
Mercury		ND(0.000285)	NA	ND(0.000285)	NA	ND(0.000285)
Nickel		0.00756 B	NA	ND(0.0500) J	NA	ND(0.0500) J
Selenium		0.0132 J	NA	0.0145 J	NA	ND(0.0200) J
Silver		0.00170 B	NA	ND(0.0100) J	NA	ND(0.0100) J
Thallium		ND(0.0100) J	NA	ND(0.0100) J	NA	ND(0.0100) J
Tin		ND(0.100)	NA	ND(0.100)	NA	ND(0.100)
Vanadium		ND(0.0500)	NA	ND(0.0500)	NA	ND(0.0500)
Zinc		0.0139 J	NA	ND(0.0500) J	NA	ND(0.0500) J

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Volatile Organics						
1,1,1,2-Tetrachloroethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,1,1-Trichloroethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,1,2-Trichloroethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,1-Dichloroethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,1-Dichloroethene		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,2,3-Trichloropropane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane		NA	ND(0.0050) J	NA	ND(0.0050) J	NA
1,2-Dibromoethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,2-Dichloroethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,2-Dichloropropane		NA	ND(0.0010)	NA	ND(0.0010)	NA
1,4-Dioxane		NA	ND(0.10) J	NA	ND(0.10) J	NA
2-Butanone		NA	ND(0.0050)	NA	ND(0.0050)	NA
2-Chloro-1,3-butadiene		NA	ND(0.0010)	NA	ND(0.0010)	NA
2-Chloroethylvinylether		NA	ND(0.013) J	NA	R	NA
2-Hexanone		NA	ND(0.0050)	NA	ND(0.0050)	NA
3-Chloropropene		NA	ND(0.0010)	NA	ND(0.0010)	NA
4-Methyl-2-pentanone		NA	ND(0.0050)	NA	ND(0.0050)	NA
Acetone		NA	ND(0.0050) J	NA	ND(0.0050) J	NA
Acetonitrile		NA	ND(0.020) J	NA	ND(0.020) J	NA
Acrolein		NA	ND(0.025) J	NA	ND(0.025) J	NA
Acrylonitrile		NA	ND(0.025) J	NA	ND(0.025) J	NA
Benzene		NA	ND(0.0010)	NA	ND(0.0010)	NA
Bromodichloromethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
Bromoform		NA	ND(0.0010)	NA	ND(0.0010)	NA
Bromomethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
Carbon Disulfide		NA	ND(0.0010)	NA	ND(0.0010)	NA
Carbon Tetrachloride		NA	ND(0.0010)	NA	ND(0.0010)	NA
Chlorobenzene		NA	ND(0.0010)	NA	ND(0.0010)	NA
Chloroethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
Chloroform		NA	ND(0.0010)	NA	ND(0.0010)	NA
Chloromethane		NA	ND(0.0034)	NA	ND(0.0010)	NA
cis-1,3-Dichloropropene		NA	ND(0.0010)	NA	ND(0.0010)	NA
Dibromochloromethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
Dibromomethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
Dichlorodifluoromethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
Ethyl Methacrylate		NA	ND(0.0010)	NA	ND(0.0010)	NA
Ethylbenzene		NA	ND(0.0010)	NA	ND(0.0010)	NA
Iodomethane		NA	ND(0.0010) J	NA	ND(0.0010) J	NA
Isobutanol		NA	ND(0.050) J	NA	ND(0.050) J	NA
Methacrylonitrile		NA	ND(0.010)	NA	ND(0.010)	NA
Methyl Methacrylate		NA	ND(0.0010)	NA	ND(0.0010)	NA
Methylene Chloride		NA	ND(0.0050)	NA	ND(0.0050)	NA
Propionitrile		NA	ND(0.020) J	NA	ND(0.020) J	NA
Styrene		NA	ND(0.0010)	NA	ND(0.0010)	NA
Tetrachloroethene		NA	ND(0.0010)	NA	ND(0.0010)	NA
Toluene		NA	ND(0.0010)	NA	ND(0.0010)	NA
trans-1,2-Dichloroethene		NA	ND(0.0010)	NA	ND(0.0010)	NA
trans-1,3-Dichloropropene		NA	ND(0.0010)	NA	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene		NA	ND(0.0050) J	NA	ND(0.0050) J	NA
Trichloroethene		NA	ND(0.0010)	NA	ND(0.0010)	NA
Trichlorofluoromethane		NA	ND(0.0010)	NA	ND(0.0010)	NA
Vinyl Acetate		NA	ND(0.0025) J	NA	ND(0.0025) J	NA
Vinyl Chloride		NA	ND(0.0010)	NA	ND(0.0010)	NA
Xylenes (total)		NA	ND(0.0010)	NA	ND(0.0010)	NA
Total VOCs		NA	ND(0.10)	NA	ND(0.10)	NA

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PCBs-Unfiltered						
Aroclor-1016		NA	ND(0.00010)	NA	ND(0.00011) J	NA
Aroclor-1221		NA	ND(0.00010)	NA	ND(0.00011) J	NA
Aroclor-1232		NA	ND(0.00010)	NA	ND(0.00011) J	NA
Aroclor-1242		NA	ND(0.00010)	NA	ND(0.00011) J	NA
Aroclor-1248		NA	ND(0.00010)	NA	ND(0.00011) J	NA
Aroclor-1254		NA	ND(0.00010)	NA	ND(0.00011) J	NA
Aroclor-1260		NA	0.000040 J	NA	ND(0.00011) J	NA
Total PCBs		NA	0.000040 J	NA	ND(0.00011) J	NA
PCBs-Filtered						
Aroclor-1016		ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Aroclor-1221		ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Aroclor-1232		ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Aroclor-1242		ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Aroclor-1248		ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Aroclor-1254		0.000024	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Aroclor-1260		ND(0.000022)	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
Total PCBs		0.000054	ND(0.00011)	ND(0.000022)	ND(0.00011)	ND(0.000022)
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	ND(0.010) J	NA
1,2-Dichlorobenzene		NA	ND(0.010)	NA	ND(0.010) J	NA
1,2-Diphenylhydrazine		NA	ND(0.010)	NA	ND(0.010)	NA
1,3,5-Trinitrobenzene		NA	ND(0.050)	NA	ND(0.050)	NA
1,3-Dichlorobenzene		NA	ND(0.010)	NA	ND(0.010)	NA
1,3-Dinitrobenzene		NA	ND(0.010)	NA	ND(0.010) J	NA
1,4-Dichlorobenzene		NA	ND(0.010)	NA	ND(0.010) J	NA
1,4-Naphthoquinone		NA	ND(0.010)	NA	ND(0.010)	NA
1-Naphthylamine		NA	ND(0.050)	NA	ND(0.050)	NA
2,3,4,6-Tetrachlorophenol		NA	ND(0.010)	NA	ND(0.010)	NA
2,4,5-Trichlorophenol		NA	ND(0.010) J	NA	ND(0.010) J	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) J	NA
2,4-Dimethylphenol		NA	ND(0.010) J	NA	ND(0.010) J	NA
2,4-Dinitrophenol		NA	ND(0.050)	NA	ND(0.050) J	NA
2,4-Dinitrotoluene		NA	ND(0.010)	NA	ND(0.010) J	NA
2,6-Dichlorophenol		NA	ND(0.010)	NA	ND(0.010)	NA
2,6-Dinitrotoluene		NA	ND(0.010)	NA	ND(0.010) J	NA
2-Acetylaminofluorene		NA	ND(0.020)	NA	ND(0.020)	NA
2-Chloronaphthalene		NA	ND(0.010)	NA	ND(0.010) J	NA
2-Chlorophenol		NA	ND(0.010)	NA	ND(0.010) J	NA
2-Methylnaphthalene		NA	ND(0.010)	NA	ND(0.010) J	NA
2-Methylphenol		NA	ND(0.010)	NA	ND(0.010) J	NA
2-Naphthylamine		NA	ND(0.050)	NA	ND(0.050)	NA
2-Nitroaniline		NA	ND(0.010)	NA	ND(0.010) J	NA
2-Nitrophenol		NA	ND(0.010)	NA	ND(0.010) J	NA
2-Picoline		NA	ND(0.010)	NA	ND(0.010) J	NA
3&4-Methylphenol		NA	ND(0.010)	NA	ND(0.010) J	NA
3,3'-Dichlorobenzidine		NA	ND(0.020) J	NA	ND(0.020) J	NA
3,3'-Dimethylbenzidine		NA	ND(0.050)	NA	ND(0.050)	NA
3-Methylcholanthrene		NA	ND(0.010)	NA	ND(0.010)	NA
3-Nitroaniline		NA	ND(0.050) J	NA	ND(0.050) J	NA
4,6-Dinitro-2-methylphenol		NA	ND(0.050)	NA	ND(0.050) J	NA
4-Aminobiphenyl		NA	ND(0.010)	NA	ND(0.010)	NA
4-Bromophenyl-phenylether		NA	ND(0.010)	NA	ND(0.010) J	NA
4-Chloro-3-Methylphenol		NA	ND(0.010)	NA	ND(0.010) J	NA
4-Chloroaniline		NA	ND(0.050) J	NA	ND(0.050) J	NA
4-Chlorobenzilate		NA	ND(0.010)	NA	ND(0.010)	NA
4-Chlorophenyl-phenylether		NA	ND(0.010)	NA	ND(0.010) J	NA
4-Nitroaniline		NA	R	NA	R	NA
4-Nitrophenol		NA	ND(0.050) J	NA	ND(0.050) J	NA

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Semivolatile Organics (continued)						
4-Nitroquinoline-1-oxide		NA	ND(0.050) J	NA	ND(0.050) J	NA
4-Phenylenediamine		NA	ND(0.020) J	NA	ND(0.020) J	NA
5-Nitro-o-toluidine		NA	ND(0.010) J	NA	ND(0.010)	NA
7,12-Dimethylbenz(a)anthracene		NA	ND(0.010)	NA	ND(0.010)	NA
a,a'-Dimethylphenethylamine		NA	ND(0.050) J	NA	ND(0.050) J	NA
Acenaphthene		NA	ND(0.010)	NA	ND(0.010) J	NA
Acenaphthylene		NA	ND(0.010)	NA	ND(0.010) J	NA
Acetophenone		NA	ND(0.010)	NA	ND(0.010)	NA
Aniline		NA	ND(0.010) J	NA	ND(0.010)	NA
Anthracene		NA	ND(0.010)	NA	ND(0.010) J	NA
Aramite		NA	ND(0.010) J	NA	ND(0.010) J	NA
Benzidine		NA	ND(0.020) J	NA	ND(0.020) J	NA
Benzo(a)anthracene		NA	ND(0.010)	NA	ND(0.010) J	NA
Benzo(a)pyrene		NA	ND(0.010)	NA	ND(0.010) J	NA
Benzo(b)fluoranthene		NA	ND(0.010)	NA	ND(0.010) J	NA
Benzo(g,h,i)perylene		NA	R	NA	R	NA
Benzo(k)fluoranthene		NA	ND(0.010)	NA	ND(0.010) J	NA
Benzyl Alcohol		NA	ND(0.020)	NA	ND(0.020) J	NA
bis(2-Chloroethoxy)methane		NA	ND(0.010)	NA	ND(0.010) J	NA
bis(2-Chloroethyl)ether		NA	ND(0.010)	NA	ND(0.010) J	NA
bis(2-Chloroisopropyl)ether		NA	ND(0.010)	NA	ND(0.010) J	NA
bis(2-Ethylhexyl)phthalate		NA	ND(0.010) J	NA	ND(0.010) J	NA
Butylbenzylphthalate		NA	ND(0.010)	NA	ND(0.010) J	NA
Chrysene		NA	ND(0.010)	NA	ND(0.010) J	NA
Diallate		NA	ND(0.010)	NA	ND(0.010)	NA
Dibenzo(a,h)anthracene		NA	R	NA	R	NA
Dibenzofuran		NA	ND(0.010)	NA	ND(0.010) J	NA
Diethylphthalate		NA	ND(0.010)	NA	ND(0.010) J	NA
Dimethylphthalate		NA	ND(0.010)	NA	ND(0.010) J	NA
Di-n-Butylphthalate		NA	ND(0.010)	NA	ND(0.010) J	NA
Di-n-Octylphthalate		NA	ND(0.010) J	NA	ND(0.010) J	NA
Diphenylamine		NA	ND(0.010)	NA	ND(0.010) J	NA
Ethyl Methanesulfonate		NA	ND(0.010)	NA	ND(0.010)	NA
Fluoranthene		NA	ND(0.010)	NA	ND(0.010) J	NA
Fluorene		NA	ND(0.010)	NA	ND(0.010) J	NA
Hexachlorobenzene		NA	ND(0.010)	NA	ND(0.010) J	NA
Hexachlorobutadiene		NA	ND(0.010)	NA	ND(0.010) J	NA
Hexachlorocyclopentadiene		NA	ND(0.020) J	NA	ND(0.020) J	NA
Hexachloroethane		NA	ND(0.010)	NA	ND(0.010) J	NA
Hexachlorophene		NA	ND(0.010)	NA	ND(0.010) J	NA
Hexachloropropene		NA	ND(0.020) J	NA	ND(0.020)	NA
Indeno(1,2,3-cd)pyrene		NA	ND(0.010)	NA	ND(0.010) J	NA
Isodrin		NA	ND(0.010)	NA	ND(0.010)	NA
Isophorone		NA	ND(0.010)	NA	ND(0.010) J	NA
Isosafrole		NA	ND(0.010)	NA	ND(0.010)	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) J	NA
Nitrobenzene		NA	ND(0.010)	NA	ND(0.010) J	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) J	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
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) J	NA	ND(0.010)	NA

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 NEA 11/21/06	GMA5-4 SGS 11/15/06	GMA5-4 NEA 11/15/06	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06
Semivolatile Organics (continued)						
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) J	NA
Phenacetin		NA	ND(0.010)	NA	ND(0.010)	NA
Phenanthrene		NA	ND(0.010)	NA	ND(0.010) J	NA
Phenol		NA	ND(0.010)	NA	ND(0.010) J	NA
Pronamide		NA	ND(0.010)	NA	ND(0.010)	NA
Pyrene		NA	ND(0.010)	NA	ND(0.010) J	NA
Pyridine		NA	ND(0.010) J	NA	ND(0.010) J	NA
Safrole		NA	ND(0.010)	NA	ND(0.010)	NA
Thionazin		NA	ND(0.020)	NA	ND(0.020)	NA
Organochlorine Pesticides						
4,4'-DDD		NA	ND(0.00030)	NA	ND(0.00030)	NA
4,4'-DDE		NA	ND(0.00030) J	NA	ND(0.00030) J	NA
4,4'-DDT		NA	ND(0.00030)	NA	ND(0.00030)	NA
Aldrin		NA	ND(0.00030)	NA	ND(0.00030)	NA
Alpha-BHC		NA	ND(0.00030)	NA	ND(0.00030)	NA
Alpha-Chlordane		NA	ND(0.00030)	NA	ND(0.00030)	NA
Beta-BHC		NA	ND(0.00030)	NA	ND(0.00030)	NA
Delta-BHC		NA	ND(0.00030)	NA	ND(0.00030)	NA
Dieldrin		NA	ND(0.00030)	NA	ND(0.00030)	NA
Endosulfan I		NA	ND(0.00030)	NA	ND(0.00030)	NA
Endosulfan II		NA	ND(0.00030)	NA	ND(0.00030)	NA
Endosulfan Sulfate		NA	ND(0.00030)	NA	ND(0.00030)	NA
Endrin		NA	ND(0.00030)	NA	ND(0.00030)	NA
Endrin Aldehyde		NA	ND(0.00030)	NA	ND(0.00030)	NA
Endrin Ketone		NA	ND(0.00030)	NA	ND(0.00030)	NA
Gamma-BHC (Lindane)		NA	ND(0.00030)	NA	ND(0.00030)	NA
Gamma-Chlordane		NA	ND(0.00030)	NA	ND(0.00030)	NA
Heptachlor		NA	ND(0.00030)	NA	ND(0.00030)	NA
Heptachlor Epoxide		NA	ND(0.00030)	NA	ND(0.00030)	NA
Kepone		NA	ND(0.010)	NA	ND(0.010)	NA
Methoxychlor		NA	ND(0.00030)	NA	ND(0.00030)	NA
Technical Chlordane		NA	ND(0.00050)	NA	ND(0.00050)	NA
Toxaphene		NA	ND(0.0010)	NA	ND(0.0010)	NA
Herbicides						
2,4,5-T		NA	ND(0.0010)	NA	ND(0.0010)	NA
2,4,5-TP		NA	ND(0.0010)	NA	ND(0.0010)	NA
2,4-D		NA	ND(0.0010)	NA	ND(0.0010)	NA
Dinoseb		NA	ND(0.010)	NA	ND(0.010)	NA
Furans						
2,3,7,8-TCDF		NA	ND(0.0000000012) X	NA	ND(0.0000000011)	NA
TCDFs (total)		NA	ND(0.0000000010)	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDF		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
2,3,4,7,8-PeCDF		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
PeCDFs (total)		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,4,7,8-HxCDF		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,6,7,8-HxCDF		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,7,8,9-HxCDF		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
2,3,4,6,7,8-HxCDF		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
HxCDFs (total)		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,4,6,7,8-HpCDF		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,4,7,8,9-HpCDF		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
HpCDFs (total)		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
OCDF		NA	ND(0.000000010)	NA	ND(0.000000011)	NA

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Dioxins						
2,3,7,8-TCDD		NA	ND(0.0000000014) X	NA	ND(0.0000000011)	NA
TCDDs (total)		NA	ND(0.0000000011)	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDD		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
PeCDDs (total)		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,4,7,8-HxCDD		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,6,7,8-HxCDD		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,7,8,9-HxCDD		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
HxCDDs (total)		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
1,2,3,4,6,7,8-HpCDD		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
HpCDDs (total)		NA	ND(0.0000000052)	NA	ND(0.0000000054)	NA
OCDD		NA	ND(0.000000023)	NA	ND(0.000000011)	NA
Total TEQs (WHO TEFs)		NA	0.0000000067	NA	0.0000000067	NA
Inorganics-Unfiltered						
Antimony		NA	ND(0.0400)	NA	ND(0.0400)	NA
Arsenic		NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Barium		NA	0.0197 B	NA	0.0189 B	NA
Beryllium		NA	ND(0.0100)	NA	0.00206 B	NA
Cadmium		NA	ND(0.00500)	NA	ND(0.00500)	NA
Chromium		NA	0.00149 B	NA	0.00230 B	NA
Cobalt		NA	0.00154 B	NA	ND(0.0100)	NA
Copper		NA	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide		NA	ND(0.0100)	NA	ND(0.0100)	NA
Lead		NA	0.00148 J	NA	ND(0.0100) J	NA
Mercury		NA	ND(0.000285)	NA	ND(0.000285)	NA
Nickel		NA	ND(0.0500)	NA	ND(0.0500)	NA
Selenium		NA	ND(0.0200) J	NA	ND(0.0200) J	NA
Silver		NA	ND(0.0100)	NA	ND(0.0100)	NA
Sulfide		NA	ND(1.00)	NA	ND(1.00)	NA
Thallium		NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Tin		NA	ND(0.100)	NA	ND(0.100)	NA
Vanadium		NA	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		NA	ND(0.0500) J	NA	ND(0.0500) J	NA
Inorganics-Filtered						
Antimony		NA	ND(0.0400)	NA	ND(0.0400)	NA
Arsenic		NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Barium		NA	0.0367 B	NA	0.0156 B	NA
Beryllium		NA	0.000280 J	NA	0.00591 B	NA
Cadmium		NA	0.00411 J	NA	ND(0.00500)	NA
Chromium		NA	0.00361 J	NA	0.00104 B	NA
Cobalt		NA	ND(0.0100)	NA	ND(0.0100)	NA
Copper		NA	ND(0.200) J	NA	ND(0.200) J	NA
Cyanide		NA	ND(0.0100)	NA	ND(0.0100)	NA
Cyanide-MADEP (PAC)		NA	ND(0.0100)	NA	ND(0.0100)	NA
Lead		NA	0.00305 J	NA	0.00326 J	NA
Mercury		NA	ND(0.000285)	NA	ND(0.000285)	NA
Nickel		NA	0.00294 B	NA	ND(0.0500)	NA
Selenium		NA	ND(0.0200) J	NA	ND(0.0200) J	NA
Silver		NA	0.00151 B	NA	ND(0.0100)	NA
Thallium		NA	ND(0.0100) J	NA	ND(0.0100) J	NA
Tin		NA	ND(0.100)	NA	ND(0.100)	NA
Vanadium		NA	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		NA	0.0418 J	NA	ND(0.0500) J	NA

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Volatile Organics					
1,1,1,2-Tetrachloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,1,1-Trichloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,1,2-Trichloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,1-Dichloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,1-Dichloroethene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,2,3-Trichloropropane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane		ND(0.0050) J [ND(0.0050) J]	NA	ND(0.0050) J	NA
1,2-Dibromoethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,2-Dichloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,2-Dichloropropane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
1,4-Dioxane		ND(0.10) J [ND(0.10) J]	NA	ND(0.10)	NA
2-Butanone		ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA
2-Chloro-1,3-butadiene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
2-Chloroethylvinylether		ND(0.013) J [ND(0.013) J]	NA	ND(0.013)	NA
2-Hexanone		ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA
3-Chloropropene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
4-Methyl-2-pentanone		ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA
Acetone		ND(0.0050) J [ND(0.0050) J]	NA	ND(0.0050)	NA
Acetonitrile		ND(0.020) J [ND(0.020) J]	NA	ND(0.020)	NA
Acrolein		ND(0.025) J [ND(0.025) J]	NA	ND(0.025) J	NA
Acrylonitrile		ND(0.025) J [ND(0.025) J]	NA	ND(0.025)	NA
Benzene		0.00023 J [0.00023 J]	NA	ND(0.0010)	NA
Bromodichloromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Bromoform		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Bromomethane		ND(0.0010) J [ND(0.0010) J]	NA	ND(0.0010)	NA
Carbon Disulfide		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Carbon Tetrachloride		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Chlorobenzene		0.00028 J [0.00032 J]	NA	ND(0.0010)	NA
Chloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Chloroform		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Chloromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
cis-1,3-Dichloropropene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Dibromochloromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Dibromomethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Dichlorodifluoromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Ethyl Methacrylate		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Ethylbenzene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Iodomethane		ND(0.0010) J [ND(0.0010) J]	NA	ND(0.0010)	NA
Isobutanol		ND(0.050) J [ND(0.050) J]	NA	ND(0.050)	NA
Methacrylonitrile		ND(0.010) [ND(0.010)]	NA	ND(0.0050)	NA
Methyl Methacrylate		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Methylene Chloride		ND(0.0050) [ND(0.0050)]	NA	ND(0.0010)	NA
Propionitrile		ND(0.020) J [ND(0.020) J]	NA	ND(0.020)	NA
Styrene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Tetrachloroethene		ND(0.0010) [ND(0.0010)]	NA	0.046	NA
Toluene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
trans-1,2-Dichloroethene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
trans-1,3-Dichloropropene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene		ND(0.0050) J [ND(0.0050) J]	NA	ND(0.0050)	NA
Trichloroethene		ND(0.0010) [ND(0.0010)]	NA	0.0023	NA
Trichlorofluoromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Vinyl Acetate		ND(0.0025) J [ND(0.0025) J]	NA	ND(0.0025)	NA
Vinyl Chloride		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Xylenes (total)		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Total VOCs		0.00051 J [0.00055 J]	NA	0.048	NA

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PCBs-Unfiltered					
Aroclor-1016		ND(0.00011) [ND(0.00011)]	NA	NA	ND(0.00010)
Aroclor-1221		ND(0.00011) [ND(0.00011)]	NA	NA	ND(0.00010)
Aroclor-1232		ND(0.00011) [ND(0.00011)]	NA	NA	ND(0.00010)
Aroclor-1242		ND(0.00011) [ND(0.00011)]	NA	NA	ND(0.00010)
Aroclor-1248		ND(0.00011) [ND(0.00011)]	NA	NA	ND(0.00010)
Aroclor-1254		ND(0.00011) [ND(0.00011)]	NA	NA	0.00014
Aroclor-1260		0.00011 [0.00012]	NA	NA	ND(0.00010)
Total PCBs		0.00011 [0.00012]	NA	NA	0.00014
PCBs-Filtered					
Aroclor-1016		ND(0.00011) [ND(0.00011)]	ND(0.000022)	NA	ND(0.00011)
Aroclor-1221		ND(0.00011) [ND(0.00011)]	ND(0.000022)	NA	ND(0.00011)
Aroclor-1232		ND(0.00011) [ND(0.00011)]	ND(0.000022)	NA	ND(0.00011)
Aroclor-1242		ND(0.00011) [ND(0.00011)]	ND(0.000022)	NA	ND(0.00011)
Aroclor-1248		ND(0.00011) [ND(0.00011)]	ND(0.000022)	NA	ND(0.00011)
Aroclor-1254		ND(0.00011) [ND(0.00011)]	ND(0.000022)	NA	ND(0.00011)
Aroclor-1260		ND(0.00011) [ND(0.00011)]	ND(0.000022)	NA	ND(0.00011)
Total PCBs		ND(0.00011) [ND(0.00011)]	ND(0.000022)	NA	ND(0.00011)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
1,2,4-Trichlorobenzene		ND(0.010) [ND(0.010)]	NA	ND(0.0010)	ND(0.010)
1,2-Dichlorobenzene		ND(0.010) [ND(0.010)]	NA	ND(0.0010)	ND(0.010)
1,2-Diphenylhydrazine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
1,3,5-Trinitrobenzene		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
1,3-Dichlorobenzene		ND(0.010) [ND(0.010)]	NA	ND(0.0010)	ND(0.010)
1,3-Dinitrobenzene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
1,4-Dichlorobenzene		ND(0.010) [ND(0.010)]	NA	ND(0.0010)	ND(0.010)
1,4-Naphthoquinone		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
1-Naphthylamine		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
2,3,4,6-Tetrachlorophenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2,4,5-Trichlorophenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2,4,6-Trichlorophenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2,4-Dichlorophenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2,4-Dimethylphenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2,4-Dinitrophenol		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
2,4-Dinitrotoluene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2,6-Dichlorophenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2,6-Dinitrotoluene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2-Acetylaminofluorene		ND(0.020) [ND(0.020)]	NA	NA	ND(0.020)
2-Chloronaphthalene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2-Chlorophenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2-Methylnaphthalene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2-Methylphenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2-Naphthylamine		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
2-Nitroaniline		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2-Nitrophenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
2-Picoline		ND(0.010) J [ND(0.010) J]	NA	NA	ND(0.010)
3&4-Methylphenol		ND(0.010) J [ND(0.010) J]	NA	NA	ND(0.010)
3,3'-Dichlorobenzidine		ND(0.020) [ND(0.020)]	NA	NA	ND(0.020)
3,3'-Dimethylbenzidine		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
3-Methylcholanthrene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
3-Nitroaniline		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
4,6-Dinitro-2-methylphenol		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
4-Aminobiphenyl		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
4-Bromophenyl-phenylether		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
4-Chloro-3-Methylphenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
4-Chloroaniline		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050) J
4-Chlorobenzilate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
4-Chlorophenyl-phenylether		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
4-Nitroaniline		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
4-Nitrophenol		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06	GMA5-7 SGS 10/27/06	GMA5-7 SGS 11/20/06
Semivolatile Organics (continued)					
4-Nitroquinoline-1-oxide		ND(0.050) J [ND(0.050) J]	NA	NA	ND(0.050) J
4-Phenylenediamine		ND(0.020) J [ND(0.020) J]	NA	NA	ND(0.020) J
5-Nitro-o-toluidine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
7,12-Dimethylbenz(a)anthracene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
a,a'-Dimethylphenethylamine		ND(0.050) J [ND(0.050) J]	NA	NA	ND(0.050) J
Acenaphthene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Acenaphthylene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Acetophenone		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Aniline		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Anthracene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Aramite		ND(0.010) J [ND(0.010) J]	NA	NA	ND(0.010) J
Benzidine		ND(0.020) J [ND(0.020) J]	NA	NA	ND(0.020) J
Benzo(a)anthracene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Benzo(a)pyrene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Benzo(b)fluoranthene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Benzo(g,h,i)perylene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Benzo(k)fluoranthene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Benzyl Alcohol		ND(0.020) [ND(0.020)]	NA	NA	ND(0.020)
bis(2-Chloroethoxy)methane		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
bis(2-Chloroethyl)ether		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
bis(2-Chloroisopropyl)ether		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
bis(2-Ethylhexyl)phthalate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Butylbenzylphthalate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Chrysene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Diallate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Dibenzo(a,h)anthracene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Dibenzofuran		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Diethylphthalate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Dimethylphthalate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Di-n-Butylphthalate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Di-n-Octylphthalate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Diphenylamine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Ethyl Methanesulfonate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Fluoranthene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Fluorene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Hexachlorobenzene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Hexachlorobutadiene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Hexachlorocyclopentadiene		ND(0.020) [ND(0.020)]	NA	NA	ND(0.020)
Hexachloroethane		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Hexachlorophene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Hexachloropropene		ND(0.020) [ND(0.020)]	NA	NA	ND(0.020)
Indeno(1,2,3-cd)pyrene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Isodrin		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Isophorone		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Isosafrole		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Methapyrilene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Methyl Methanesulfonate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Naphthalene		ND(0.010) [ND(0.010)]	NA	ND(0.0010)	ND(0.010)
Nitrobenzene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitrosodiethylamine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitrosodimethylamine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitroso-di-n-butylamine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitroso-di-n-propylamine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitrosodiphenylamine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitrosomethylethylamine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitrosomorpholine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitrosopiperidine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
N-Nitrosopyrrolidine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
o,o,o-Triethylphosphorothioate		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
o-Toluidine		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)

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Semivolatile Organics (continued)					
p-Dimethylaminoazobenzene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Pentachlorobenzene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Pentachloroethane		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Pentachloronitrobenzene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Pentachlorophenol		ND(0.050) [ND(0.050)]	NA	NA	ND(0.050)
Phenacetin		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010) J
Phenanthrene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Phenol		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Pronamide		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Pyrene		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Pyridine		R [R]	NA	NA	R
Safrole		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Thionazin		ND(0.020) [ND(0.020)]	NA	NA	ND(0.020)
Organochlorine Pesticides					
4,4'-DDD		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
4,4'-DDE		ND(0.00030) J [ND(0.00030) J]	NA	NA	ND(0.00030) J
4,4'-DDT		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Aldrin		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Alpha-BHC		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Alpha-Chlordane		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Beta-BHC		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Delta-BHC		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Dieldrin		ND(0.00030) [ND(0.00030)]	NA	NA	0.000020 J
Endosulfan I		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Endosulfan II		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Endosulfan Sulfate		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Endrin		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Endrin Aldehyde		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Endrin Ketone		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Gamma-BHC (Lindane)		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Gamma-Chlordane		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Heptachlor		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Heptachlor Epoxide		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Kepone		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010) J
Methoxychlor		ND(0.00030) [ND(0.00030)]	NA	NA	ND(0.00030)
Technical Chlordane		ND(0.00050) [ND(0.00050)]	NA	NA	ND(0.00050)
Toxaphene		ND(0.0010) [ND(0.0010)]	NA	NA	ND(0.0010)
Herbicides					
2,4,5-T		ND(0.0010) [ND(0.0010)]	NA	NA	ND(0.0010)
2,4,5-TP		ND(0.0010) [ND(0.0010)]	NA	NA	ND(0.0010)
2,4-D		ND(0.0010) [ND(0.0010)]	NA	NA	ND(0.0010)
Dinoseb		ND(0.010) [ND(0.010)]	NA	NA	ND(0.010)
Furans					
2,3,7,8-TCDF		ND(0.0000000011) [ND(0.0000000011)]	NA	NA	ND(0.0000000011)
TCDFs (total)		ND(0.0000000011) [ND(0.0000000011)]	NA	NA	ND(0.0000000011)
1,2,3,7,8-PeCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
2,3,4,7,8-PeCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
PeCDFs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,4,7,8-HxCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,6,7,8-HxCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,7,8,9-HxCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
2,3,4,6,7,8-HxCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
HxCDFs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,4,7,8,9-HpCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
HpCDFs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
OCDF		ND(0.000000011) [ND(0.000000011)]	NA	NA	ND(0.000000011)

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Dioxins					
2,3,7,8-TCDD		ND(0.0000000011) [ND(0.0000000011)]	NA	NA	ND(0.0000000011)
TCDDs (total)		ND(0.0000000011) [ND(0.0000000011)]	NA	NA	ND(0.0000000011)
1,2,3,7,8-PeCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
PeCDDs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,4,7,8-HxCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,6,7,8-HxCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,7,8,9-HxCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
HxCDDs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
HpCDDs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	NA	ND(0.0000000055)
OCDD		ND(0.000000011) [ND(0.000000011)]	NA	NA	0.000000057 J
Total TEQs (WHO TEFs)		0.0000000067 [0.0000000066]	NA	NA	0.0000000068
Inorganics-Unfiltered					
Antimony		ND(0.0400) [ND(0.0400)]	NA	NA	ND(0.0400)
Arsenic		ND(0.0100) J [0.0112 J]	NA	NA	ND(0.0100)
Barium		ND(0.500) J [ND(0.0500) J]	NA	NA	ND(0.0500) J
Beryllium		ND(0.0100) J [ND(0.0100) J]	NA	NA	ND(0.0100) J
Cadmium		ND(0.00815) J [ND(0.00777) J]	NA	NA	ND(0.00500)
Chromium		ND(0.0106) J [ND(0.0108) J]	NA	NA	ND(0.0100) J
Cobalt		ND(0.0100) J [ND(0.0100) J]	NA	NA	ND(0.0100)
Copper		0.0126 B [ND(0.200)]	NA	NA	ND(0.200) J
Cyanide		ND(0.0100) [0.0110]	NA	NA	ND(0.0100)
Lead		ND(0.0100) [ND(0.0100)]	NA	NA	ND(0.0100) J
Mercury		ND(0.000285) [ND(0.000285)]	NA	NA	ND(0.000285)
Nickel		ND(0.0500) J [ND(0.0500) J]	NA	NA	ND(0.0500) J
Selenium		ND(0.0200) J [ND(0.0200) J]	NA	NA	0.0116 J
Silver		ND(0.0100) [ND(0.0100)]	NA	NA	ND(0.0100) J
Sulfide		ND(1.00) [ND(1.00)]	NA	NA	ND(1.00)
Thallium		ND(0.0100) J [ND(0.0100) J]	NA	NA	0.00660 J
Tin		ND(0.100) [ND(0.100)]	NA	NA	ND(0.100)
Vanadium		ND(0.0500) [ND(0.0500)]	NA	NA	ND(0.0500)
Zinc		0.306 [0.253]	NA	NA	ND(0.0500) J
Inorganics-Filtered					
Antimony		ND(0.0400) [ND(0.0400)]	NA	NA	ND(0.0400)
Arsenic		ND(0.0100) J [ND(0.0100) J]	NA	NA	ND(0.0100)
Barium		ND(0.0500) J [ND(0.0500) J]	NA	NA	ND(0.0500) J
Beryllium		ND(0.0100) J [ND(0.0100) J]	NA	NA	ND(0.0100) J
Cadmium		ND(0.00669) J [ND(0.00717) J]	NA	NA	ND(0.00500)
Chromium		ND(0.0100) J [ND(0.0100) J]	NA	NA	ND(0.0100) J
Cobalt		ND(0.0100) J [ND(0.0100) J]	NA	NA	ND(0.0100)
Copper		0.00973 B [0.00808 B]	NA	NA	ND(0.200) J
Cyanide		ND(0.0100) [ND(0.0100)]	NA	NA	ND(0.0100)
Cyanide-MADEP (PAC)		ND(0.0100) [ND(0.0100)]	NA	NA	ND(0.0100)
Lead		ND(0.0100) [ND(0.0100)]	NA	NA	ND(0.0100) J
Mercury		ND(0.000285) [ND(0.000285)]	NA	NA	ND(0.000285)
Nickel		ND(0.0500) J [ND(0.0500) J]	NA	NA	ND(0.0500) J
Selenium		ND(0.0200) J [ND(0.0200) J]	NA	NA	0.0116 J
Silver		ND(0.0100) [ND(0.0100)]	NA	NA	ND(0.0100) J
Thallium		ND(0.0100) J [ND(0.0100) J]	NA	NA	ND(0.0100) J
Tin		ND(0.100) [ND(0.100)]	NA	NA	ND(0.100)
Vanadium		ND(0.0500) [ND(0.0500)]	NA	NA	ND(0.0500)
Zinc		0.257 [0.199]	NA	NA	ND(0.0500) J

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 NEA 11/20/06	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Volatile Organics				
1,1,1,2-Tetrachloroethane		NA	ND(0.0010)	NA
1,1,1-Trichloroethane		NA	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane		NA	ND(0.0010)	NA
1,1,2-Trichloroethane		NA	ND(0.0010)	NA
1,1-Dichloroethane		NA	ND(0.0010)	NA
1,1-Dichloroethene		NA	ND(0.0010)	NA
1,2,3-Trichloropropane		NA	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane		NA	ND(0.0050) J	NA
1,2-Dibromoethane		NA	ND(0.0010)	NA
1,2-Dichloroethane		NA	ND(0.0010)	NA
1,2-Dichloropropane		NA	ND(0.0010)	NA
1,4-Dioxane		NA	ND(0.10) J	NA
2-Butanone		NA	ND(0.0050)	NA
2-Chloro-1,3-butadiene		NA	ND(0.0010)	NA
2-Chloroethylvinylether		NA	ND(0.013) J	NA
2-Hexanone		NA	ND(0.0050)	NA
3-Chloropropene		NA	ND(0.0010)	NA
4-Methyl-2-pentanone		NA	ND(0.0050)	NA
Acetone		NA	ND(0.0050) J	NA
Acetonitrile		NA	ND(0.020) J	NA
Acrolein		NA	ND(0.025) J	NA
Acrylonitrile		NA	ND(0.025) J	NA
Benzene		NA	0.00024 J	NA
Bromodichloromethane		NA	ND(0.0010)	NA
Bromoform		NA	ND(0.0010)	NA
Bromomethane		NA	ND(0.0010)	NA
Carbon Disulfide		NA	ND(0.0010)	NA
Carbon Tetrachloride		NA	ND(0.0010)	NA
Chlorobenzene		NA	ND(0.0010)	NA
Chloroethane		NA	ND(0.0010)	NA
Chloroform		NA	ND(0.0010)	NA
Chloromethane		NA	ND(0.0010)	NA
cis-1,3-Dichloropropene		NA	ND(0.0010)	NA
Dibromochloromethane		NA	ND(0.0010)	NA
Dibromomethane		NA	ND(0.0010)	NA
Dichlorodifluoromethane		NA	ND(0.0010)	NA
Ethyl Methacrylate		NA	ND(0.0010)	NA
Ethylbenzene		NA	ND(0.0010)	NA
Iodomethane		NA	ND(0.0010)	NA
Isobutanol		NA	ND(0.050) J	NA
Methacrylonitrile		NA	ND(0.010)	NA
Methyl Methacrylate		NA	ND(0.0010)	NA
Methylene Chloride		NA	ND(0.0050)	NA
Propionitrile		NA	ND(0.020) J	NA
Styrene		NA	ND(0.0010)	NA
Tetrachloroethene		NA	ND(0.0010)	NA
Toluene		NA	ND(0.0010)	NA
trans-1,2-Dichloroethene		NA	ND(0.0010)	NA
trans-1,3-Dichloropropene		NA	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene		NA	ND(0.0050) J	NA
Trichloroethene		NA	ND(0.0010)	NA
Trichlorofluoromethane		NA	ND(0.0010)	NA
Vinyl Acetate		NA	ND(0.0025) J	NA
Vinyl Chloride		NA	ND(0.0010)	NA
Xylenes (total)		NA	ND(0.0010)	NA
Total VOCs		NA	0.00024 J	NA

Table C-1
Validated Groundwater Analytical Results - Fall 2006

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 / NEA / 11/20/06	GMA5-8 / SGS / 11/28/06	GMA5-8 / NEA / 11/28/06
PCBs-Unfiltered				
Aroclor-1016		NA	ND(0.00010)	NA
Aroclor-1221		NA	ND(0.00010)	NA
Aroclor-1232		NA	ND(0.00010)	NA
Aroclor-1242		NA	ND(0.00010)	NA
Aroclor-1248		NA	ND(0.00010)	NA
Aroclor-1254		NA	0.00068	NA
Aroclor-1260		NA	0.00011	NA
Total PCBs		NA	0.00079	NA
PCBs-Filtered				
Aroclor-1016		ND(0.000022)	ND(0.00010)	ND(0.000022)
Aroclor-1221		ND(0.000022)	ND(0.00010)	ND(0.000022)
Aroclor-1232		ND(0.000022)	ND(0.00010)	ND(0.000022)
Aroclor-1242		ND(0.000022)	ND(0.00010)	ND(0.000022)
Aroclor-1248		ND(0.000022)	ND(0.00010)	ND(0.000022)
Aroclor-1254		0.000054	ND(0.00010)	ND(0.000022)
Aroclor-1260		ND(0.000022)	ND(0.00010)	ND(0.000022)
Total PCBs		0.000024	ND(0.00010)	ND(0.000022)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene		NA	ND(0.010)	NA
1,2,4-Trichlorobenzene		NA	ND(0.010)	NA
1,2-Dichlorobenzene		NA	ND(0.010)	NA
1,2-Diphenylhydrazine		NA	ND(0.010)	NA
1,3,5-Trinitrobenzene		NA	ND(0.050)	NA
1,3-Dichlorobenzene		NA	ND(0.010)	NA
1,3-Dinitrobenzene		NA	ND(0.010)	NA
1,4-Dichlorobenzene		NA	ND(0.010)	NA
1,4-Naphthoquinone		NA	ND(0.010)	NA
1-Naphthylamine		NA	ND(0.050)	NA
2,3,4,6-Tetrachlorophenol		NA	ND(0.010)	NA
2,4,5-Trichlorophenol		NA	ND(0.010)	NA
2,4,6-Trichlorophenol		NA	ND(0.010)	NA
2,4-Dichlorophenol		NA	ND(0.010)	NA
2,4-Dimethylphenol		NA	ND(0.010)	NA
2,4-Dinitrophenol		NA	ND(0.050)	NA
2,4-Dinitrotoluene		NA	ND(0.010)	NA
2,6-Dichlorophenol		NA	ND(0.010)	NA
2,6-Dinitrotoluene		NA	ND(0.010)	NA
2-Acetylaminofluorene		NA	ND(0.020) J	NA
2-Chloronaphthalene		NA	ND(0.010)	NA
2-Chlorophenol		NA	ND(0.010)	NA
2-Methylnaphthalene		NA	ND(0.010)	NA
2-Methylphenol		NA	ND(0.010)	NA
2-Naphthylamine		NA	ND(0.050)	NA
2-Nitroaniline		NA	ND(0.010)	NA
2-Nitrophenol		NA	ND(0.010)	NA
2-Picoline		NA	ND(0.010) J	NA
3&4-Methylphenol		NA	ND(0.010)	NA
3,3'-Dichlorobenzidine		NA	ND(0.020)	NA
3,3'-Dimethylbenzidine		NA	ND(0.050)	NA
3-Methylcholanthrene		NA	ND(0.010)	NA
3-Nitroaniline		NA	ND(0.050) J	NA
4,6-Dinitro-2-methylphenol		NA	ND(0.050)	NA
4-Aminobiphenyl		NA	ND(0.010)	NA
4-Bromophenyl-phenylether		NA	ND(0.010)	NA
4-Chloro-3-Methylphenol		NA	ND(0.010)	NA
4-Chloroaniline		NA	ND(0.050)	NA
4-Chlorobenzilate		NA	ND(0.010)	NA
4-Chlorophenyl-phenylether		NA	ND(0.010)	NA
4-Nitroaniline		NA	ND(0.050)	NA
4-Nitrophenol		NA	ND(0.050)	NA

Table C-1
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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 NEA 11/20/06	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Semivolatile Organics (continued)				
4-Nitroquinoline-1-oxide		NA	ND(0.050) J	NA
4-Phenylenediamine		NA	ND(0.020) J	NA
5-Nitro-o-toluidine		NA	ND(0.010)	NA
7,12-Dimethylbenz(a)anthracene		NA	ND(0.010)	NA
a,a'-Dimethylphenethylamine		NA	ND(0.050) J	NA
Acenaphthene		NA	0.0041 J	NA
Acenaphthylene		NA	ND(0.010)	NA
Acetophenone		NA	ND(0.010)	NA
Aniline		NA	ND(0.010)	NA
Anthracene		NA	ND(0.010)	NA
Aramite		NA	ND(0.010) J	NA
Benzidine		NA	ND(0.020) J	NA
Benzo(a)anthracene		NA	ND(0.010)	NA
Benzo(a)pyrene		NA	ND(0.010)	NA
Benzo(b)fluoranthene		NA	ND(0.010)	NA
Benzo(g,h,i)perylene		NA	ND(0.010)	NA
Benzo(k)fluoranthene		NA	ND(0.010)	NA
Benzyl Alcohol		NA	ND(0.020)	NA
bis(2-Chloroethoxy)methane		NA	ND(0.010)	NA
bis(2-Chloroethyl)ether		NA	ND(0.010)	NA
bis(2-Chloroisopropyl)ether		NA	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate		NA	ND(0.010)	NA
Butylbenzylphthalate		NA	ND(0.010)	NA
Chrysene		NA	ND(0.010)	NA
Diallate		NA	ND(0.010)	NA
Dibenzo(a,h)anthracene		NA	ND(0.010) J	NA
Dibenzofuran		NA	0.0032 J	NA
Diethylphthalate		NA	ND(0.010)	NA
Dimethylphthalate		NA	ND(0.010)	NA
Di-n-Butylphthalate		NA	ND(0.010)	NA
Di-n-Octylphthalate		NA	ND(0.010)	NA
Diphenylamine		NA	ND(0.010)	NA
Ethyl Methanesulfonate		NA	ND(0.010)	NA
Fluoranthene		NA	ND(0.010)	NA
Fluorene		NA	0.0049 J	NA
Hexachlorobenzene		NA	ND(0.010)	NA
Hexachlorobutadiene		NA	ND(0.010)	NA
Hexachlorocyclopentadiene		NA	ND(0.020)	NA
Hexachloroethane		NA	ND(0.010)	NA
Hexachlorophene		NA	ND(0.010) J	NA
Hexachloropropene		NA	ND(0.020)	NA
Indeno(1,2,3-cd)pyrene		NA	ND(0.010) J	NA
Isodrin		NA	ND(0.010)	NA
Isophorone		NA	ND(0.010)	NA
Isosafrole		NA	ND(0.010)	NA
Methapyrilene		NA	ND(0.010)	NA
Methyl Methanesulfonate		NA	ND(0.010)	NA
Naphthalene		NA	0.0060 J	NA
Nitrobenzene		NA	ND(0.010)	NA
N-Nitrosodiethylamine		NA	ND(0.010)	NA
N-Nitrosodimethylamine		NA	ND(0.010)	NA
N-Nitroso-di-n-butylamine		NA	ND(0.010)	NA
N-Nitroso-di-n-propylamine		NA	ND(0.010)	NA
N-Nitrosodiphenylamine		NA	ND(0.010)	NA
N-Nitrosomethylethylamine		NA	ND(0.010)	NA
N-Nitrosomorpholine		NA	ND(0.010)	NA
N-Nitrosopiperidine		NA	ND(0.010)	NA
N-Nitrosopyrrolidine		NA	ND(0.010)	NA
o,o,o-Triethylphosphorothioate		NA	ND(0.010)	NA
o-Toluidine		NA	ND(0.010)	NA

Table C-1
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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 / NEA / 11/20/06	GMA5-8 / SGS / 11/28/06	GMA5-8 / NEA / 11/28/06
Semivolatile Organics (continued)				
p-Dimethylaminoazobenzene		NA	ND(0.010)	NA
Pentachlorobenzene		NA	ND(0.010)	NA
Pentachloroethane		NA	ND(0.010)	NA
Pentachloronitrobenzene		NA	ND(0.010)	NA
Pentachlorophenol		NA	ND(0.050)	NA
Phenacetin		NA	ND(0.010) J	NA
Phenanthrene		NA	0.0056 J	NA
Phenol		NA	ND(0.010)	NA
Pronamide		NA	ND(0.010)	NA
Pyrene		NA	ND(0.010)	NA
Pyridine		NA	R	NA
Safrole		NA	ND(0.010)	NA
Thionazin		NA	ND(0.020)	NA
Organochlorine Pesticides				
4,4'-DDD		NA	ND(0.00030)	NA
4,4'-DDE		NA	ND(0.00030)	NA
4,4'-DDT		NA	ND(0.00030)	NA
Aldrin		NA	ND(0.00030)	NA
Alpha-BHC		NA	ND(0.00030)	NA
Alpha-Chlordane		NA	ND(0.00030)	NA
Beta-BHC		NA	ND(0.00030)	NA
Delta-BHC		NA	ND(0.00030)	NA
Dieldrin		NA	ND(0.00030)	NA
Endosulfan I		NA	ND(0.00030)	NA
Endosulfan II		NA	ND(0.00030)	NA
Endosulfan Sulfate		NA	ND(0.00030)	NA
Endrin		NA	ND(0.00030)	NA
Endrin Aldehyde		NA	ND(0.00030)	NA
Endrin Ketone		NA	ND(0.00030)	NA
Gamma-BHC (Lindane)		NA	ND(0.00030)	NA
Gamma-Chlordane		NA	ND(0.00030)	NA
Heptachlor		NA	ND(0.00030)	NA
Heptachlor Epoxide		NA	ND(0.00030)	NA
Kepone		NA	ND(0.010)	NA
Methoxychlor		NA	ND(0.00030)	NA
Technical Chlordane		NA	ND(0.00050)	NA
Toxaphene		NA	ND(0.0010)	NA
Herbicides				
2,4,5-T		NA	ND(0.0010)	NA
2,4,5-TP		NA	ND(0.0010)	NA
2,4-D		NA	ND(0.0010)	NA
Dinoseb		NA	ND(0.010)	NA
Furans				
2,3,7,8-TCDF		NA	ND(0.0000000022)	NA
TCDFs (total)		NA	0.0000000025 J	NA
1,2,3,7,8-PeCDF		NA	ND(0.0000000050)	NA
2,3,4,7,8-PeCDF		NA	ND(0.0000000050)	NA
PeCDFs (total)		NA	0.000000026 J	NA
1,2,3,4,7,8-HxCDF		NA	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDF		NA	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDF		NA	ND(0.0000000050)	NA
2,3,4,6,7,8-HxCDF		NA	ND(0.0000000050)	NA
HxCDFs (total)		NA	0.000000022 J	NA
1,2,3,4,6,7,8-HpCDF		NA	0.0000000069 J	NA
1,2,3,4,7,8,9-HpCDF		NA	ND(0.0000000050)	NA
HpCDFs (total)		NA	0.000000014 J	NA
OCDF		NA	0.000000011 J	NA

Table C-1
Validated Groundwater Analytical Results - Fall 2006

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 NEA 11/20/06	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Dioxins				
2,3,7,8-TCDD		NA	ND(0.0000000027)	NA
TCDDs (total)		NA	ND(0.0000000027)	NA
1,2,3,7,8-PeCDD		NA	ND(0.0000000067) X	NA
PeCDDs (total)		NA	ND(0.0000000050)	NA
1,2,3,4,7,8-HxCDD		NA	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDD		NA	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDD		NA	ND(0.0000000050)	NA
HxCDDs (total)		NA	ND(0.0000000050)	NA
1,2,3,4,6,7,8-HpCDD		NA	0.0000000056 J	NA
HpCDDs (total)		NA	0.0000000056 J	NA
OCDD		NA	0.000000043 J	NA
Total TEQs (WHO TEFs)		NA	0.0000000081	NA
Inorganics-Unfiltered				
Antimony		NA	ND(0.0400)	NA
Arsenic		NA	ND(0.0100)	NA
Barium		NA	ND(0.0500)	NA
Beryllium		NA	ND(0.0100)	NA
Cadmium		NA	ND(0.00500) J	NA
Chromium		NA	ND(0.0100) J	NA
Cobalt		NA	0.000800 J	NA
Copper		NA	ND(0.200)	NA
Cyanide		NA	ND(0.0100)	NA
Lead		NA	0.00591 B	NA
Mercury		NA	ND(0.000285)	NA
Nickel		NA	0.00223 J	NA
Selenium		NA	ND(0.0200) J	NA
Silver		NA	ND(0.0100)	NA
Sulfide		NA	ND(1.00)	NA
Thallium		NA	ND(0.0100) J	NA
Tin		NA	ND(0.100)	NA
Vanadium		NA	ND(0.0500)	NA
Zinc		NA	ND(0.0500) J	NA
Inorganics-Filtered				
Antimony		NA	ND(0.0400)	NA
Arsenic		NA	ND(0.0100)	NA
Barium		NA	ND(0.0500)	NA
Beryllium		NA	ND(0.0100)	NA
Cadmium		NA	ND(0.00500) J	NA
Chromium		NA	ND(0.0100) J	NA
Cobalt		NA	ND(0.0100) J	NA
Copper		NA	ND(0.200)	NA
Cyanide		NA	ND(0.0100)	NA
Cyanide-MADEP (PAC)		NA	ND(0.0100)	NA
Lead		NA	0.00454 B	NA
Mercury		NA	ND(0.000285)	NA
Nickel		NA	ND(0.0500) J	NA
Selenium		NA	ND(0.0200) J	NA
Silver		NA	ND(0.0100)	NA
Thallium		NA	ND(0.0100) J	NA
Tin		NA	ND(0.100)	NA
Vanadium		NA	0.00174 B	NA
Zinc		NA	ND(0.0500) J	NA

TableC-1
Validated Groundwater Analytical Results - Fall 2006

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. and Northeast Analytical, 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. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses 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. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

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

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

Inorganics

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

ARCADIS BBL

Appendix D

Historical Groundwater Data

ARCADIS BBL

Summary of Historical Groundwater Analytical Results

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 04/12/02	GMA5-1 SGS 10/18/02	GMA5-1 SGS 04/30/03	GMA5-1 SGS 10/21/03
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)	ND(0.20)	ND(0.20) J
2-Butanone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
2-Chloro-1,3-butadiene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether		ND (0.0050) J	ND(0.0050)	ND(0.0050) J	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)	ND(0.010)	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)
Acrylonitrile		ND (0.0050) J	ND(0.0050) J	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)	ND(0.0050)	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)	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) J	ND(0.010)	ND(0.010) J	ND(0.010) J
Styrene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0020)	ND(0.0020) J	ND(0.0020)	ND(0.0020)
Toluene		ND(0.0050)	0.0048 J	ND(0.0050)	0.0014 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)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate		ND (0.0050) J	ND(0.0050)	ND(0.0050)	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)	0.0048 J	ND(0.20)	0.0014 J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 04/12/02	GMA5-1 SGS 10/18/02	GMA5-1 SGS 04/30/03	GMA5-1 SGS 10/21/03
PCBs-Unfiltered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254		0.000045 J	0.000040 J	0.00035	0.00058
Aroclor-1260		ND(0.000065)	ND(0.000065)	0.00013	ND(0.000065)
Total PCBs		0.000045 J	0.000040 J	0.00048	0.00058
PCBs-Filtered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254		0.000084	ND(0.000065)	0.000030 J	0.000086
Aroclor-1260		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs		0.000084	ND(0.000065)	0.000030 J	0.000086
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
1,2,4-Trichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,2-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,2-Diphenylhydrazine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,3,5-Trinitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
1,3-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,3-Dinitrobenzene		ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.040)
1,4-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,4-Naphthoquinone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1-Naphthylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,3,4,6-Tetrachlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4,5-Trichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4,6-Trichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dimethylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dinitrophenol		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
2,4-Dinitrotoluene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
2,6-Dichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,6-Dinitrotoluene		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.040)
2-Acetylaminofluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Chloronaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Chlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Methylnaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Naphthylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
2-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
2-Nitrophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Picoline		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3&4-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3,3'-Dichlorobenzidine		ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.080)
3,3'-Dimethylbenzidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3-Methylcholanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
3-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
4,6-Dinitro-2-methylphenol		ND(0.050) J	ND(0.050)	ND(0.050) J	ND(0.050) J
4-Aminobiphenyl		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Bromophenyl-phenylether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Chloro-3-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Chloroaniline		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
4-Chlorobenzilate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
4-Chlorophenyl-phenylether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 04/12/02	GMA5-1 SGS 10/18/02	GMA5-1 SGS 04/30/03	GMA5-1 SGS 10/21/03
Semivolatile Organics (continued)					
4-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.050)
4-Nitrophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)
4-Nitroquinoline-1-oxide		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Phenylenediamine		ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.040) J
5-Nitro-o-toluidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
7,12-Dimethylbenz(a)anthracene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
a,a'-Dimethylphenethylamine		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.040)
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Acenaphthylene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Acetophenone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Aniline		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Aramite		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
Benzidine		ND(0.020)	ND(0.020) J	ND(0.020)	ND(0.080)
Benzo(a)anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(a)pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(b)fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(g,h,i)perylene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(k)fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzyl Alcohol		ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.080)
bis(2-Chloroethoxy)methane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
bis(2-Chloroethyl)ether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
bis(2-Chloroisopropyl)ether		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
bis(2-Ethylhexyl)phthalate		ND(0.0060)	ND(0.0060)	ND(0.0060) J	ND(0.020)
Butylbenzylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Chrysene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diallate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dibenzo(a,h)anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dibenzofuran		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diethylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dimethylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Di-n-Butylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Di-n-Octylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diphenylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Ethyl Methanesulfonate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Fluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorobutadiene		ND(0.0010)	ND(0.0010) J	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
Hexachloroethane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorophene		ND(0.020)	ND(0.020) J	ND(0.020)	ND(0.080) J
Hexachloropropene		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.040) J
Indeno(1,2,3-cd)pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isodrin		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isophorone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isosafrole		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Methapyrilene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Methyl Methanesulfonate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Naphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Nitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodiethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodimethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitroso-di-n-butylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitroso-di-n-propylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodiphenylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosomethylethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosomorpholine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
N-Nitrosopiperidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)

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Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
o,o,o-Triethylphosphorothioate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
o-Toluidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
p-Dimethylaminoazobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pentachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Pentachloroethane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pentachloronitrobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
Pentachlorophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)
Phenacetin		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Phenanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Phenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pronamide		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pyridine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Safrole		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Thionazin		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
Organochlorine Pesticides					
4,4'-DDD		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
4,4'-DDE		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
4,4'-DDT		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Aldrin		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Alpha-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Alpha-Chlordane		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Beta-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Delta-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Dieldrin		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan I		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan II		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan Sulfate		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin Aldehyde		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin Ketone		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Gamma-BHC (Lindane)		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Gamma-Chlordane		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Heptachlor		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Heptachlor Epoxide		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Kepone		ND(0.050)	ND(0.050)	ND(0.050)	NA
Methoxychlor		ND(0.00050)	ND(0.00050)	ND(0.00050)	NA
Technical Chlordane		ND(0.00050)	ND(0.00050)	ND(0.00050)	NA
Toxaphene		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Organophosphate Pesticides					
Dimethoate		ND(0.050)	ND(0.050)	ND(0.050)	NA
Disulfoton		ND(0.010)	ND(0.010)	ND(0.010)	NA
Ethyl Parathion		ND(0.010)	ND(0.010)	ND(0.010)	NA
Famphur		ND(0.050)	ND(0.050)	ND(0.050)	NA
Methyl Parathion		ND(0.010)	ND(0.010)	ND(0.010)	NA
Phorate		ND(0.010)	ND(0.010)	ND(0.010)	NA
Sulfotep		ND(0.010)	ND(0.010)	ND(0.010)	NA
Herbicides					
2,4,5-T		ND(0.0020)	ND(2.0) J	ND(0.0020)	NA
2,4,5-TP		ND(0.0020)	ND(2.0) J	ND(0.0020)	NA
2,4-D		ND(0.010)	ND(10.0) J	ND(0.010)	NA
Dinoseb		ND(0.0010)	ND(1.0) J	ND(0.0010)	NA

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Furans					
2,3,7,8-TCDF		ND(0.000000011)	ND(0.0000000022)	ND(0.0000000060)	ND(0.0000000015)
TCDFs (total)		ND(0.000000011)	ND(0.0000000022)	ND(0.0000000060)	ND(0.0000000015)
1,2,3,7,8-PeCDF		ND(0.000000013)	ND(0.0000000025)	ND(0.0000000047)	ND(0.0000000012)
2,3,4,7,8-PeCDF		ND(0.000000012)	0.0000000030 J	ND(0.0000000047)	ND(0.0000000013)
PeCDFs (total)		ND(0.000000012)	0.000000027	ND(0.0000000047)	ND(0.0000000012)
1,2,3,4,7,8-HxCDF		ND(0.000000012)	ND(0.0000000029)	ND(0.0000000049)	ND(0.0000000053) X
1,2,3,6,7,8-HxCDF		ND(0.000000012)	ND(0.0000000025)	ND(0.0000000044)	ND(0.00000000076)
1,2,3,7,8,9-HxCDF		ND(0.000000014)	ND(0.0000000032)	ND(0.0000000058)	ND(0.00000000099)
2,3,4,6,7,8-HxCDF		ND(0.000000010)	ND(0.0000000029)	ND(0.0000000048)	ND(0.00000000085)
HxCDFs (total)		ND(0.000000012)	0.000000037	ND(0.0000000049)	ND(0.00000000076)
1,2,3,4,6,7,8-HpCDF		ND(0.000000014)	0.000000015 J	ND(0.0000000061)	ND(0.0000000013)
1,2,3,4,7,8,9-HpCDF		ND(0.000000017)	ND(0.0000000052)	ND(0.0000000082)	ND(0.0000000016)
HpCDFs (total)		ND(0.000000015)	0.000000029	ND(0.0000000070)	ND(0.0000000013)
OCDF		ND(0.000000032)	0.000000011 J	ND(0.000000020)	ND(0.0000000084)
Dioxins					
2,3,7,8-TCDD		ND(0.000000015)	ND(0.0000000033)	ND(0.0000000090)	ND(0.0000000019)
TCDDs (total)		ND(0.000000015)	ND(0.0000000033)	ND(0.0000000090)	ND(0.0000000019)
1,2,3,7,8-PeCDD		ND(0.000000014)	ND(0.0000000032)	ND(0.0000000046)	ND(0.0000000021)
PeCDDs (total)		ND(0.000000014)	ND(0.0000000032)	ND(0.0000000046)	ND(0.0000000021)
1,2,3,4,7,8-HxCDD		ND(0.000000017)	ND(0.0000000038)	ND(0.0000000071)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD		ND(0.000000017)	ND(0.0000000033)	ND(0.0000000063)	ND(0.0000000011)
1,2,3,7,8,9-HxCDD		ND(0.000000017)	ND(0.0000000034)	ND(0.0000000070)	ND(0.0000000011)
HxCDDs (total)		ND(0.000000017)	ND(0.0000000038)	ND(0.0000000068)	ND(0.0000000011)
1,2,3,4,6,7,8-HpCDD		ND(0.000000026)	0.000000011 J	ND(0.000000010)	ND(0.00000000084)
HpCDDs (total)		ND(0.000000026)	0.000000019	ND(0.000000010)	ND(0.00000000084)
OCDD		ND(0.000000039)	0.00000015	ND(0.000000025)	ND(0.000000027)
Total TEQs (WHO TEFs)		0.000000024	0.0000000063	0.000000011	0.0000000030
Inorganics-Unfiltered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic		0.0110	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Barium		ND(0.200)	0.150 B	0.0950 B	0.0770 B
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		0.00430 B	0.00670 B	0.00230 B	ND(0.0100)
Cobalt		0.00360 B	ND(0.0500)	0.00350 B	0.00200 B
Copper		ND(0.0250)	0.0160 B	ND(0.025)	0.00850 B
Cyanide		0.00520 B	ND(0.0100)	0.00280 B	0.00230 B
Lead		0.0130	0.0240	0.00400 J	0.0600
Mercury		ND(0.000200)	ND(0.000200)	ND(0.00020)	ND(0.000200)
Nickel		ND(0.0400)	ND(0.0400)	0.0120 B	0.00420 B
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	0.00120 B
Sulfide		ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium		ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Tin		ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		0.0170 B	0.0510 J	ND(0.42)	0.120

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 04/12/02	GMA5-1 SGS 10/18/02	GMA5-1 SGS 04/30/03	GMA5-1 SGS 10/21/03
Inorganics-Filtered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Barium		ND(0.200)	0.130 B	0.0850 B	0.0810 B
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.0100)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		ND(0.0250)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt		ND(0.0500)	ND(0.0500)	0.00430 B	0.00210 B
Copper		ND(0.100)	0.00360 B	ND(0.025)	0.00650 B
Cyanide		NA	0.00260 B	ND(0.0100)	ND(0.0100)
Cyanide-MADEP (PAC)		NA	NA	NA	NA
Lead		ND(0.00300)	ND(0.00300)	0.00400 J	ND(0.00300)
Mercury		ND(0.000200)	ND(0.000200)	ND(0.00020)	ND(0.000200)
Nickel		ND(0.0400)	ND(0.0400)	0.0110 B	0.00550 B
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	0.00120 B
Thallium		ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Tin		ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		0.00580 B	ND(0.0200) J	ND(0.42)	0.110

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 04/16/02	GMA5-2 SGS 10/17/02
Volatile Organics					
1,1,1,2-Tetrachloroethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,1,1-Trichloroethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,1,2,2-Tetrachloroethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,1,2-Trichloroethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,1-Dichloroethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,1-Dichloroethene		ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2,3-Trichloropropane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,2-Dibromo-3-chloropropane		ND(0.0050) J	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,2-Dibromoethane		ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,2-Dichloropropane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,4-Dioxane		ND(0.10) J	NA	ND(0.20) J [ND(0.20) J]	ND(0.20)
2-Butanone		ND(0.0050)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2-Chloro-1,3-butadiene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2-Chloroethylvinylether		ND(0.013) J	NA	ND (0.0050) J [ND (0.0050) J]	ND(0.0050)
2-Hexanone		ND(0.0050)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
3-Chloropropene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
4-Methyl-2-pentanone		ND(0.0050)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Acetone		ND(0.0050) J	NA	ND (0.010) J [ND (0.010) J]	ND(0.010)
Acetonitrile		ND(0.020) J	NA	ND (0.10) J [ND (0.10) J]	ND(0.10) J
Acrolein		ND(0.025) J	NA	ND (0.10) J [ND (0.10) J]	ND(0.10) J
Acrylonitrile		ND(0.025) J	NA	ND (0.0050) J [ND (0.0050) J]	ND(0.0050) J
Benzene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Bromodichloromethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Bromoform		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Bromomethane		ND(0.0010)	NA	ND(0.0020) [ND(0.0020)]	ND(0.0020)
Carbon Disulfide		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Carbon Tetrachloride		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chlorobenzene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chloroethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chloroform		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chloromethane		ND(0.0034)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
cis-1,3-Dichloropropene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Dibromochloromethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Dibromomethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Dichlorodifluoromethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Ethyl Methacrylate		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Ethylbenzene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Iodomethane		ND(0.0010) J	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Isobutanol		ND(0.050) J	NA	ND (0.10) J [ND (0.10) J]	ND(0.10)
Methacrylonitrile		ND(0.010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methyl Methacrylate		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methylene Chloride		ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Propionitrile		ND(0.020) J	NA	ND (0.010) J [ND (0.010) J]	ND(0.010)
Styrene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Tetrachloroethene		ND(0.0010)	NA	0.0025 [0.0024]	ND(0.0020)
Toluene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
trans-1,2-Dichloroethene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
trans-1,3-Dichloropropene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
trans-1,4-Dichloro-2-butene		ND(0.0050) J	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichlorofluoromethane		ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Vinyl Acetate		ND(0.0025) J	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Vinyl Chloride		ND(0.0010)	NA	ND(0.0020) [ND(0.0020)]	ND(0.0020)
Xylenes (total)		ND(0.0010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Total VOCs		ND(0.10)	NA	0.0025 [0.0024]	ND(0.20)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID:	GMA5-1	GMA5-1	GMA5-2	GMA5-2
Laboratory:	SGS	NEA	SGS	SGS
Date Collected:	11/15/06	11/15/06	04/16/02	10/17/02
PCBs-Unfiltered				
Aroclor-1016	ND(0.00010)	NA	ND(0.000065) J [ND(0.000065) J]	ND(0.000065)
Aroclor-1221	ND(0.00010)	NA	ND(0.000065) J [ND(0.000065) J]	ND(0.000065)
Aroclor-1232	ND(0.00010)	NA	ND(0.000065) J [ND(0.000065) J]	ND(0.000065)
Aroclor-1242	ND(0.00010)	NA	ND(0.000065) J [ND(0.000065) J]	ND(0.000065)
Aroclor-1248	ND(0.00010)	NA	ND(0.000065) J [ND(0.000065) J]	ND(0.000065)
Aroclor-1254	ND(0.00010)	NA	0.000060 J [0.000056 J]	0.000045 J
Aroclor-1260	0.000045 J	NA	ND(0.000065) J [ND(0.000065) J]	ND(0.000065)
Total PCBs	0.000045 J	NA	ND(0.000065) J [0.000056 J]	0.000045 J
PCBs-Filtered				
Aroclor-1016	ND(0.00011)	ND(0.000022)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1221	ND(0.00011)	ND(0.000022)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1232	ND(0.00011)	ND(0.000022)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1242	ND(0.00011)	ND(0.000022)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1248	ND(0.00011)	ND(0.000022)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1254	ND(0.00011)	ND(0.000022)	ND(0.000065) [ND(0.000065)]	0.000068
Aroclor-1260	ND(0.00011)	ND(0.000022)	ND(0.000065) [0.000050 J]	ND(0.000065)
Total PCBs	ND(0.00011)	ND(0.000022)	ND(0.000065) [0.000050 J]	0.000068
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.050)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1,3-Dichlorobenzene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1,3-Dinitrobenzene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1,4-Naphthoquinone	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
1-Naphthylamine	ND(0.050)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2,3,4,6-Tetrachlorophenol	ND(0.010)	NA	ND(0.010) J [ND(0.010) J]	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2,4-Dichlorophenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2,4-Dinitrophenol	ND(0.050)	NA	ND(0.050) [ND(0.050)]	ND(0.050)
2,4-Dinitrotoluene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2,6-Dinitrotoluene	ND(0.010)	NA	ND(0.010) J [ND(0.010) J]	ND(0.010)
2-Acetylaminofluorene	ND(0.020)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2-Chloronaphthalene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2-Chlorophenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2-Methylnaphthalene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2-Methylphenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2-Naphthylamine	ND(0.050)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2-Nitroaniline	ND(0.010)	NA	ND(0.050) [ND(0.050)]	ND(0.050)
2-Nitrophenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
2-Picoline	ND(0.010) J	NA	ND(0.010) [ND(0.010)]	ND(0.010)
3&4-Methylphenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
3,3'-Dichlorobenzidine	ND(0.020)	NA	ND(0.020) [ND(0.020)]	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.050)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
3-Methylcholanthrene	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
3-Nitroaniline	ND(0.050)	NA	ND(0.050) [ND(0.050)]	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	NA	ND(0.050) [ND(0.050)]	ND(0.050)
4-Aminobiphenyl	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
4-Chloroaniline	ND(0.050)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
4-Chlorobenzilate	ND(0.010)	NA	ND(0.010) J [ND(0.010) J]	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 04/16/02	GMA5-2 SGS 10/17/02
Semivolatile Organics (continued)					
4-Nitroaniline		R	NA	ND(0.050) [ND(0.050)]	ND(0.050)
4-Nitrophenol		ND(0.050)	NA	ND(0.050) [ND(0.050)]	ND(0.050)
4-Nitroquinoline-1-oxide		ND(0.050) J	NA	ND(0.010) J [ND(0.010) J]	ND(0.010)
4-Phenylenediamine		ND(0.020) J	NA	ND(0.010) J [ND(0.010) J]	ND(0.010) J
5-Nitro-o-toluidine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
7,12-Dimethylbenz(a)anthracene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
a,a'-Dimethylphenethylamine		ND(0.050) J	NA	ND(0.010) J [ND(0.010) J]	ND(0.010)
Acenaphthene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Acenaphthylene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Acetophenone		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Aniline		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Anthracene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Aramite		ND(0.010) J	NA	ND(0.010) J [ND(0.010) J]	ND(0.010)
Benzidine		ND(0.020) J	NA	ND(0.020) [ND(0.020)]	ND(0.020)
Benzo(a)anthracene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Benzo(a)pyrene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Benzo(b)fluoranthene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Benzo(g,h,i)perylene		R	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Benzo(k)fluoranthene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Benzyl Alcohol		ND(0.020)	NA	ND(0.020) [ND(0.020)]	ND(0.020)
bis(2-Chloroethoxy)methane		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Chloroethyl)ether		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Chloroisopropyl)ether		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Ethylhexyl)phthalate		ND(0.010)	NA	ND(0.0060) [ND(0.0060)]	ND(0.0060)
Butylbenzylphthalate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Chrysene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Diallate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Dibenzo(a,h)anthracene		R	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Dibenzofuran		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Diethylphthalate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Dimethylphthalate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Di-n-Butylphthalate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Di-n-Octylphthalate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Diphenylamine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Ethyl Methanesulfonate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Fluoranthene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Fluorene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Hexachlorobenzene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Hexachlorobutadiene		ND(0.010)	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Hexachlorocyclopentadiene		ND(0.020)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Hexachloroethane		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Hexachlorophene		ND(0.010) J	NA	ND(0.020) [ND(0.020)]	ND(0.020) J
Hexachloropropene		ND(0.020)	NA	ND(0.010) J [ND(0.010) J]	ND(0.010)
Indeno(1,2,3-cd)pyrene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Isodrin		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Isophorone		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Isosafrole		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Methapyrilene		ND(0.010) J	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Methyl Methanesulfonate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Naphthalene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Nitrobenzene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitrosodiethylamine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitrosodimethylamine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitroso-di-n-butylamine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitroso-di-n-propylamine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitrosodiphenylamine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitrosomethylethylamine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitrosomorpholine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitrosopiperidine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 / SGS / 11/15/06	GMA5-1 / NEA / 11/15/06	GMA5-2 / SGS / 04/16/02	GMA5-2 / SGS / 10/17/02
Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
o,o,o-Triethylphosphorothioate		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
o-Toluidine		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
p-Dimethylaminoazobenzene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Pentachlorobenzene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Pentachloroethane		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Pentachloronitrobenzene		ND(0.010)	NA	ND(0.010) J [ND(0.010) J]	ND(0.010)
Pentachlorophenol		ND(0.050)	NA	ND(0.050) [ND(0.050)]	ND(0.050)
Phenacetin		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Phenanthrene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Phenol		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Pronamide		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Pyrene		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Pyridine		ND(0.010) J	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Safrole		ND(0.010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Thionazin		ND(0.020)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Organochlorine Pesticides					
4,4'-DDD		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
4,4'-DDE		ND(0.00030) J	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
4,4'-DDT		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
Aldrin		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Alpha-BHC		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Alpha-Chlordane		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Beta-BHC		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Delta-BHC		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Dieldrin		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
Endosulfan I		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
Endosulfan II		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
Endosulfan Sulfate		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
Endrin		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
Endrin Aldehyde		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
Endrin Ketone		ND(0.00030)	NA	ND(0.00010) [ND(0.00010)]	ND(0.00010)
Gamma-BHC (Lindane)		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Gamma-Chlordane		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Heptachlor		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Heptachlor Epoxide		ND(0.00030)	NA	ND(0.000050) [ND(0.000050)]	ND(0.000050)
Kepone		ND(0.010)	NA	ND(0.050) [ND(0.050)]	ND(0.050)
Methoxychlor		ND(0.00030)	NA	ND(0.00050) [ND(0.00050)]	ND(0.00050)
Technical Chlordane		ND(0.00050)	NA	ND(0.00050) [ND(0.00050)]	ND(0.00050)
Toxaphene		ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Organophosphate Pesticides					
Dimethoate		NA	NA	ND(0.050) [ND(0.050)]	ND(0.050)
Disulfoton		NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Ethyl Parathion		NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Famphur		NA	NA	ND(0.050) [ND(0.050)]	ND(0.050)
Methyl Parathion		NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Phorate		NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Sulfotep		NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Herbicides					
2,4,5-T		ND(0.0010)	NA	ND(0.0020) [ND(0.0020)]	ND(0.0020)
2,4,5-TP		ND(0.0010)	NA	ND(0.0020) [ND(0.0020)]	ND(0.0020)
2,4-D		ND(0.0010)	NA	ND(0.010) [ND(0.010)]	ND(0.010)
Dinoseb		ND(0.010)	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)

Table D-1
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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 / SGS / 11/15/06	GMA5-1 / NEA / 11/15/06	GMA5-2 / SGS / 04/16/02	GMA5-2 / SGS / 10/17/02
Furans					
2,3,7,8-TCDF		ND(0.0000000012)	NA	0.0000000014 J [ND(0.0000000021)]	ND(0.0000000026)
TCDFs (total)		ND(0.0000000012)	NA	0.0000000014 [ND(0.0000000021)]	ND(0.0000000026)
1,2,3,7,8-PeCDF		ND(0.0000000054)	NA	ND(0.0000000038) [ND(0.0000000025)]	ND(0.0000000024)
2,3,4,7,8-PeCDF		ND(0.0000000054)	NA	0.0000000035 J [ND(0.0000000023)]	ND(0.0000000024)
PeCDFs (total)		ND(0.0000000054)	NA	ND(0.0000000074) [ND(0.0000000024)]	ND(0.0000000024)
1,2,3,4,7,8-HxCDF		ND(0.0000000054)	NA	ND(0.00000000060) [ND(0.0000000017)]	ND(0.0000000024)
1,2,3,6,7,8-HxCDF		ND(0.0000000054)	NA	ND(0.00000000060) [ND(0.0000000017)]	ND(0.0000000024)
1,2,3,7,8,9-HxCDF		ND(0.0000000054)	NA	ND(0.00000000070) [ND(0.0000000020)]	ND(0.0000000024)
2,3,4,6,7,8-HxCDF		ND(0.0000000054)	NA	ND(0.00000000060) [ND(0.0000000018)]	ND(0.0000000024)
HxCDFs (total)		ND(0.0000000054)	NA	ND(0.00000000060) [ND(0.0000000018)]	ND(0.0000000024)
1,2,3,4,6,7,8-HpCDF		ND(0.0000000054)	NA	ND(0.00000000070) [ND(0.0000000021)]	ND(0.0000000028)
1,2,3,4,7,8,9-HpCDF		ND(0.0000000054)	NA	ND(0.00000000090) [ND(0.0000000026)]	ND(0.0000000033)
HpCDFs (total)		ND(0.0000000054)	NA	ND(0.00000000080) [ND(0.0000000023)]	ND(0.0000000030)
OCDF		ND(0.000000011)	NA	0.0000000069 J [ND(0.0000000086)]	ND(0.0000000062)
Dioxins					
2,3,7,8-TCDD		0.0000000014 J	NA	ND(0.0000000010) X [ND(0.0000000029)]	ND(0.0000000040)
TCDDs (total)		0.0000000014 J	NA	ND(0.0000000010) X [ND(0.0000000032) X]	ND(0.0000000040)
1,2,3,7,8-PeCDD		ND(0.0000000054)	NA	0.0000000031 J [ND(0.0000000030)]	ND(0.0000000024)
PeCDDs (total)		ND(0.0000000054)	NA	0.0000000031 [ND(0.0000000030)]	ND(0.0000000031)
1,2,3,4,7,8-HxCDD		ND(0.0000000054)	NA	0.0000000038 J [ND(0.0000000024)]	ND(0.0000000043)
1,2,3,6,7,8-HxCDD		ND(0.0000000054)	NA	ND(0.00000000090) [ND(0.0000000024)]	ND(0.0000000038)
1,2,3,7,8,9-HxCDD		ND(0.0000000054)	NA	ND(0.00000000090) [ND(0.0000000027)]	ND(0.0000000039)
HxCDDs (total)		ND(0.0000000054)	NA	0.0000000038 [ND(0.0000000025)]	ND(0.0000000040)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000054)	NA	ND(0.0000000013) [ND(0.0000000038)]	ND(0.0000000047)
HpCDDs (total)		ND(0.0000000054)	NA	ND(0.0000000013) [ND(0.0000000038)]	ND(0.0000000047)
OCDD		ND(0.000000013)	NA	0.000000010 J [ND(0.000000011)]	0.000000024 J
Total TEQs (WHO TEFs)		0.0000000076	NA	0.0000000062 [0.0000000045]	0.0000000051
Inorganics-Unfiltered					
Antimony		ND(0.0400)	NA	ND(0.0600) [ND(0.0600)]	ND(0.0600)
Arsenic		0.0134 J	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Barium		0.107 B	NA	ND(0.200) [ND(0.200)]	0.0540 B
Beryllium		0.000770 J	NA	ND(0.00100) [ND(0.00100)]	ND(0.00100)
Cadmium		0.00438 J	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Chromium		0.00605 J	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Cobalt		0.00151 B	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Copper		ND(0.200) J	NA	ND(0.0250) [ND(0.0250)]	0.00440 B
Cyanide		ND(0.0100)	NA	0.00390 B [0.00290 B]	0.00950 B
Lead		0.00515 J	NA	ND (0.0030) J [ND (0.0030) J]	ND(0.00300)
Mercury		ND(0.000285)	NA	ND(0.000200) [ND(0.000200)]	0.000870
Nickel		0.00754 B	NA	ND(0.0400) [ND(0.0400)]	ND(0.0400)
Selenium		0.00931 J	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Silver		0.00168 B	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Sulfide		ND(1.00)	NA	ND(5.00) [ND(5.00)]	ND(5.00)
Thallium		0.00815 J	NA	ND (0.010) J [ND (0.010) J]	ND(0.0100)
Tin		ND(0.100)	NA	ND(0.0300) [ND(0.0300)]	ND(0.0300)
Vanadium		ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc		0.0311 J	NA	0.0110 B [0.00780 B]	0.0160 J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-1 SGS 11/15/06	GMA5-1 NEA 11/15/06	GMA5-2 SGS 04/16/02	GMA5-2 SGS 10/17/02
Inorganics-Filtered					
Antimony		ND(0.0400)	NA	ND(0.0600) [ND(0.0600)]	ND(0.0600)
Arsenic		ND(0.0100) J	NA	ND(0.100) [ND(0.100)]	ND(0.0100)
Barium		0.0938 B	NA	ND(0.200) [ND(0.200)]	0.0550 B
Beryllium		ND(0.0100) J	NA	ND(0.00100) [ND(0.00100)]	ND(0.00100)
Cadmium		0.00394 J	NA	ND(0.0100) [ND(0.0100)]	ND(0.00500)
Chromium		0.00449 J	NA	ND(0.0250) [ND(0.0250)]	ND(0.0100)
Cobalt		0.00105 B	NA	ND(0.0500) [ND(0.0500)]	0.00180 B
Copper		ND(0.200) J	NA	ND(0.100) [ND(0.100)]	0.00340 B
Cyanide		ND(0.0100)	NA	NA	0.00470 B
Cyanide-MADEP (PAC)		ND(0.0100)	NA	NA	NA
Lead		0.00227 J	NA	ND (0.0030) J [ND (0.0030) J]	ND(0.00300)
Mercury		ND(0.000285)	NA	ND(0.000200) [ND(0.000200)]	0.000840
Nickel		0.00756 B	NA	ND(0.0400) [ND(0.0400)]	ND(0.0400)
Selenium		0.0132 J	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Silver		0.00170 B	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Thallium		ND(0.0100) J	NA	ND (0.010) J [ND (0.010) J]	ND(0.0100)
Tin		ND(0.100)	NA	ND(0.0300) [ND(0.0300)]	ND(0.0300)
Vanadium		ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc		0.0139 J	NA	ND(0.0200) [0.0180 B]	ND(0.0200) J

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-2 SGS 04/29/03	GMA5-2 SGS 10/20/03	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06
Volatile Organics					
1,1,1,2-Tetrachloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1,1-Trichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1,2-Trichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1-Dichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1-Dichloroethene		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2,3-Trichloropropane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane		ND(0.0050)	ND(0.0050)	ND(0.0050) J	NA
1,2-Dibromoethane		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,2-Dichloropropane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,4-Dioxane		ND(0.20)	ND(0.20) J	ND(0.10) J	NA
2-Butanone		ND(0.010)	ND(0.010) J	ND(0.0050) J	NA
2-Chloro-1,3-butadiene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
2-Chloroethylvinylether		ND(0.0050) J	ND(0.0050)	ND(0.013) J	NA
2-Hexanone		ND(0.010)	ND(0.010)	ND(0.0050)	NA
3-Chloropropene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
4-Methyl-2-pentanone		ND(0.010)	ND(0.010)	ND(0.0050)	NA
Acetone		ND(0.010)	ND(0.010)	ND(0.0050) J	NA
Acetonitrile		ND(0.10) J	ND(0.10) J	ND(0.020) J	NA
Acrolein		ND(0.10) J	ND(0.10)	ND(0.025) J	NA
Acrylonitrile		ND(0.0050)	ND(0.0050)	ND(0.025) J	NA
Benzene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Bromodichloromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Bromoform		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Bromomethane		ND(0.0020)	ND(0.0020)	ND(0.0010) J	NA
Carbon Disulfide		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Carbon Tetrachloride		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Chlorobenzene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Chloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Chloromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
cis-1,3-Dichloropropene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Dibromochloromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Dibromomethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Dichlorodifluoromethane		ND(0.0050) J	ND(0.0050)	ND(0.0010)	NA
Ethyl Methacrylate		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Ethylbenzene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Iodomethane		ND(0.0050)	ND(0.0050)	ND(0.0010) J	NA
Isobutanol		ND(0.10) J	ND(0.10) J	ND(0.050) J	NA
Methacrylonitrile		ND(0.0050)	ND(0.0050)	ND(0.010)	NA
Methyl Methacrylate		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Methylene Chloride		ND(0.0050)	ND(0.0050)	ND(0.0050) J	NA
Propionitrile		ND(0.010) J	ND(0.010) J	ND(0.020) J	NA
Styrene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Tetrachloroethene		ND(0.0020)	ND(0.0020)	ND(0.0010)	NA
Toluene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
trans-1,2-Dichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
trans-1,3-Dichloropropene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene		ND(0.0050)	ND(0.0050)	ND(0.0050) J	NA
Trichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Trichlorofluoromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Vinyl Acetate		ND(0.0050)	ND(0.0050)	ND(0.0025) J	NA
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0010)	NA
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.0010)	NA
Total VOCs		ND(0.20)	ND(0.20)	ND(0.10)	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-2 SGS 04/29/03	GMA5-2 SGS 10/20/03	GMA5-2 SGS 11/20/06	GMA5-2 NEA 11/20/06
PCBs-Unfiltered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.00011)	NA
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.00011)	NA
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.00011)	NA
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.00011)	NA
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.00011)	NA
Aroclor-1254		0.000086	ND(0.000065)	0.000072 J	NA
Aroclor-1260		ND(0.000065)	ND(0.000065)	ND(0.00011)	NA
Total PCBs		0.000086	ND(0.000065)	0.000072 J	NA
PCBs-Filtered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1254		ND(0.000065)	0.000030 J	ND(0.00011)	ND(0.000022)
Aroclor-1260		ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Total PCBs		ND(0.000065)	0.000030 J	ND(0.00011)	ND(0.000022)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
1,2,4-Trichlorobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
1,2-Dichlorobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
1,2-Diphenylhydrazine		ND(0.010)	ND(0.027)	ND(0.010)	NA
1,3,5-Trinitrobenzene		ND(0.010)	ND(0.027) J	ND(0.050)	NA
1,3-Dichlorobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
1,3-Dinitrobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
1,4-Dichlorobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
1,4-Naphthoquinone		ND(0.010)	ND(0.027)	ND(0.010)	NA
1-Naphthylamine		ND(0.010)	ND(0.027)	ND(0.050)	NA
2,3,4,6-Tetrachlorophenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2,4,5-Trichlorophenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2,4,6-Trichlorophenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2,4-Dichlorophenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2,4-Dimethylphenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2,4-Dinitrophenol		ND(0.050) J	ND(0.13)	ND(0.050)	NA
2,4-Dinitrotoluene		ND(0.010)	ND(0.027)	ND(0.010)	NA
2,6-Dichlorophenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2,6-Dinitrotoluene		ND(0.010)	ND(0.027)	ND(0.010)	NA
2-Acetylaminofluorene		ND(0.010)	ND(0.027)	ND(0.020)	NA
2-Chloronaphthalene		ND(0.010)	ND(0.027)	ND(0.010)	NA
2-Chlorophenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2-Methylnaphthalene		ND(0.010)	ND(0.027)	ND(0.010)	NA
2-Methylphenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2-Naphthylamine		ND(0.010)	ND(0.027) J	ND(0.050)	NA
2-Nitroaniline		ND(0.050)	ND(0.13)	ND(0.010)	NA
2-Nitrophenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
2-Picoline		ND(0.010)	ND(0.027)	ND(0.010)	NA
3&4-Methylphenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
3,3'-Dichlorobenzidine		ND(0.020)	ND(0.053)	ND(0.020)	NA
3,3'-Dimethylbenzidine		ND(0.010)	ND(0.027)	ND(0.050)	NA
3-Methylcholanthrene		ND(0.010)	ND(0.027) J	ND(0.010)	NA
3-Nitroaniline		ND(0.050)	ND(0.13)	ND(0.050)	NA
4,6-Dinitro-2-methylphenol		ND(0.050) J	ND(0.050) J	ND(0.050)	NA
4-Aminobiphenyl		ND(0.010)	ND(0.027)	ND(0.010)	NA
4-Bromophenyl-phenylether		ND(0.010)	ND(0.027)	ND(0.010)	NA
4-Chloro-3-Methylphenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
4-Chloroaniline		ND(0.010)	ND(0.027)	ND(0.050) J	NA
4-Chlorobenzilate		ND(0.010)	ND(0.027) J	ND(0.010)	NA
4-Chlorophenyl-phenylether		ND(0.010)	ND(0.027)	ND(0.010)	NA

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Semivolatile Organics (continued)					
4-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050)	NA
4-Nitrophenol		ND(0.050) J	ND(0.13)	ND(0.050)	NA
4-Nitroquinoline-1-oxide		ND(0.010)	ND(0.027)	ND(0.050) J	NA
4-Phenylenediamine		ND(0.010)	ND(0.027) J	ND(0.020) J	NA
5-Nitro-o-toluidine		ND(0.010)	ND(0.027)	ND(0.010)	NA
7,12-Dimethylbenz(a)anthracene		ND(0.010)	ND(0.027)	ND(0.010)	NA
a,a'-Dimethylphenethylamine		ND(0.010) J	ND(0.027)	ND(0.050) J	NA
Acenaphthene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Acenaphthylene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Acetophenone		ND(0.010)	ND(0.027)	ND(0.010)	NA
Aniline		ND(0.010)	ND(0.027)	ND(0.010)	NA
Anthracene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Aramite		ND(0.010)	ND(0.027) J	ND(0.010) J	NA
Benzidine		ND(0.020)	ND(0.053)	ND(0.020) J	NA
Benzo(a)anthracene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Benzo(a)pyrene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Benzo(b)fluoranthene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Benzo(g,h,i)perylene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Benzo(k)fluoranthene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Benzyl Alcohol		ND(0.020)	ND(0.053)	ND(0.020)	NA
bis(2-Chloroethoxy)methane		ND(0.010)	ND(0.027)	ND(0.010)	NA
bis(2-Chloroethyl)ether		ND(0.010)	ND(0.027)	ND(0.010)	NA
bis(2-Chloroisopropyl)ether		ND(0.010)	ND(0.027)	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate		ND(0.0060)	ND(0.013)	ND(0.010)	NA
Butylbenzylphthalate		ND(0.010)	ND(0.027)	ND(0.010)	NA
Chrysene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Diallate		ND(0.010)	ND(0.027)	ND(0.010)	NA
Dibenzo(a,h)anthracene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Dibenzofuran		ND(0.010)	ND(0.027)	ND(0.010)	NA
Diethylphthalate		ND(0.010)	ND(0.027)	ND(0.010)	NA
Dimethylphthalate		ND(0.010)	ND(0.027)	ND(0.010)	NA
Di-n-Butylphthalate		ND(0.010)	ND(0.027)	ND(0.010)	NA
Di-n-Octylphthalate		ND(0.010)	ND(0.027)	ND(0.010)	NA
Diphenylamine		ND(0.010)	ND(0.027)	ND(0.010)	NA
Ethyl Methanesulfonate		ND(0.010) J	ND(0.027)	ND(0.010)	NA
Fluoranthene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Fluorene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Hexachlorobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Hexachlorobutadiene		ND(0.0010)	ND(0.0010)	ND(0.010)	NA
Hexachlorocyclopentadiene		ND(0.010) J	ND(0.027) J	ND(0.020)	NA
Hexachloroethane		ND(0.010)	ND(0.027)	ND(0.010)	NA
Hexachlorophene		ND(0.020) J	ND(0.053) J	ND(0.010)	NA
Hexachloropropene		ND(0.010)	ND(0.027) J	ND(0.020)	NA
Indeno(1,2,3-cd)pyrene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Isodrin		ND(0.010)	ND(0.027)	ND(0.010)	NA
Isophorone		ND(0.010)	ND(0.027)	ND(0.010)	NA
Isosafrole		ND(0.010)	ND(0.027)	ND(0.010)	NA
Methapyrilene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Methyl Methanesulfonate		ND(0.010)	ND(0.027)	ND(0.010)	NA
Naphthalene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Nitrobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
N-Nitrosodiethylamine		ND(0.010)	ND(0.027)	ND(0.010)	NA
N-Nitrosodimethylamine		ND(0.010)	ND(0.027)	ND(0.010)	NA
N-Nitroso-di-n-butylamine		ND(0.010) J	ND(0.027)	ND(0.010)	NA
N-Nitroso-di-n-propylamine		ND(0.010)	ND(0.027)	ND(0.010)	NA
N-Nitrosodiphenylamine		ND(0.010)	ND(0.027)	ND(0.010)	NA
N-Nitrosomethylethylamine		ND(0.010)	ND(0.027)	ND(0.010)	NA
N-Nitrosomorpholine		ND(0.010)	ND(0.027) J	ND(0.010)	NA
N-Nitrosopiperidine		ND(0.010)	ND(0.027)	ND(0.010)	NA

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Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		ND(0.010)	ND(0.027) J	ND(0.010)	NA
o,o,o-Triethylphosphorothioate		ND(0.010)	ND(0.027)	ND(0.010)	NA
o-Toluidine		ND(0.010)	ND(0.027)	ND(0.010)	NA
p-Dimethylaminoazobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Pentachlorobenzene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Pentachloroethane		ND(0.010)	ND(0.027)	ND(0.010)	NA
Pentachloronitrobenzene		ND(0.010)	ND(0.027) J	ND(0.010)	NA
Pentachlorophenol		ND(0.050)	ND(0.13)	ND(0.050)	NA
Phenacetin		ND(0.010)	ND(0.027)	ND(0.010) J	NA
Phenanthrene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Phenol		ND(0.010)	ND(0.027)	ND(0.010)	NA
Pronamide		ND(0.010)	ND(0.027)	ND(0.010)	NA
Pyrene		ND(0.010)	ND(0.027)	ND(0.010)	NA
Pyridine		ND(0.010)	ND(0.027)	R	NA
Safrole		ND(0.010)	ND(0.027)	ND(0.010)	NA
Thionazin		ND(0.010)	ND(0.027) J	ND(0.020)	NA
Organochlorine Pesticides					
4,4'-DDD		ND(0.00010)	NA	ND(0.00030)	NA
4,4'-DDE		ND(0.00010)	NA	ND(0.00030) J	NA
4,4'-DDT		ND(0.00010)	NA	ND(0.00030)	NA
Aldrin		ND(0.000050)	NA	ND(0.00030)	NA
Alpha-BHC		ND(0.000050)	NA	ND(0.00030)	NA
Alpha-Chlordane		ND(0.000050)	NA	ND(0.00030)	NA
Beta-BHC		ND(0.000050)	NA	ND(0.00030)	NA
Delta-BHC		ND(0.000050)	NA	ND(0.00030)	NA
Dieldrin		ND(0.00010)	NA	ND(0.00030)	NA
Endosulfan I		ND(0.00010)	NA	ND(0.00030)	NA
Endosulfan II		ND(0.00010)	NA	ND(0.00030)	NA
Endosulfan Sulfate		ND(0.00010)	NA	ND(0.00030)	NA
Endrin		ND(0.00010)	NA	ND(0.00030)	NA
Endrin Aldehyde		ND(0.00010)	NA	ND(0.00030)	NA
Endrin Ketone		ND(0.00010)	NA	ND(0.00030)	NA
Gamma-BHC (Lindane)		ND(0.000050)	NA	ND(0.00030)	NA
Gamma-Chlordane		ND(0.000050)	NA	ND(0.00030)	NA
Heptachlor		ND(0.000050)	NA	ND(0.00030)	NA
Heptachlor Epoxide		ND(0.000050)	NA	ND(0.00030)	NA
Kepone		ND(0.050)	NA	ND(0.010) J	NA
Methoxychlor		ND(0.00050)	NA	ND(0.00030)	NA
Technical Chlordane		ND(0.00050)	NA	ND(0.00050)	NA
Toxaphene		ND(0.0010)	NA	ND(0.0010)	NA
Organophosphate Pesticides					
Dimethoate		ND(0.050)	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	ND(0.0010)	NA
2,4,5-TP		ND(0.0020)	NA	ND(0.0010)	NA
2,4-D		ND(0.010)	NA	ND(0.0010)	NA
Dinoseb		ND(0.0010)	NA	ND(0.010)	NA

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Furans					
2,3,7,8-TCDF		ND(0.0000000021)	ND(0.0000000017)	ND(0.0000000011)	NA
TCDFs (total)		ND(0.0000000021)	ND(0.0000000017)	ND(0.0000000011)	NA
1,2,3,7,8-PeCDF		ND(0.0000000024)	ND(0.0000000012)	ND(0.0000000055)	NA
2,3,4,7,8-PeCDF		ND(0.0000000024)	ND(0.0000000013)	ND(0.0000000055)	NA
PeCDFs (total)		ND(0.0000000024)	ND(0.0000000012)	ND(0.0000000055)	NA
1,2,3,4,7,8-HxCDF		ND(0.0000000024)	0.0000000035 I	ND(0.0000000055)	NA
1,2,3,6,7,8-HxCDF		ND(0.0000000024)	ND(0.000000000099)	ND(0.0000000055)	NA
1,2,3,7,8,9-HxCDF		ND(0.0000000024)	ND(0.0000000013)	ND(0.0000000055)	NA
2,3,4,6,7,8-HxCDF		ND(0.0000000024)	ND(0.0000000011)	ND(0.0000000055)	NA
HxCDFs (total)		ND(0.0000000024)	0.0000000035	ND(0.0000000055)	NA
1,2,3,4,6,7,8-HpCDF		ND(0.0000000024)	ND(0.0000000032)	ND(0.0000000055)	NA
1,2,3,4,7,8,9-HpCDF		ND(0.0000000024)	ND(0.0000000013)	ND(0.0000000055)	NA
HpCDFs (total)		ND(0.0000000024)	ND(0.0000000010)	ND(0.0000000055)	NA
OCDF		ND(0.0000000059)	ND(0.000000011)	ND(0.000000011)	NA
Dioxins					
2,3,7,8-TCDD		ND(0.0000000032)	ND(0.0000000023)	ND(0.0000000011)	NA
TCDDs (total)		ND(0.0000000032)	ND(0.0000000023)	ND(0.0000000011)	NA
1,2,3,7,8-PeCDD		ND(0.0000000024)	ND(0.0000000023)	ND(0.0000000055)	NA
PeCDDs (total)		ND(0.0000000039)	ND(0.0000000023)	ND(0.0000000055)	NA
1,2,3,4,7,8-HxCDD		ND(0.0000000024)	ND(0.0000000016)	ND(0.0000000055)	NA
1,2,3,6,7,8-HxCDD		ND(0.0000000024)	ND(0.0000000014)	ND(0.0000000055)	NA
1,2,3,7,8,9-HxCDD		ND(0.0000000024)	ND(0.0000000015)	ND(0.0000000055)	NA
HxCDDs (total)		ND(0.0000000041)	ND(0.0000000014)	ND(0.0000000055)	NA
1,2,3,4,6,7,8-HpCDD		ND(0.0000000025)	ND(0.0000000015)	ND(0.0000000055)	NA
HpCDDs (total)		ND(0.0000000025)	ND(0.0000000015)	ND(0.0000000055)	NA
OCDD		ND(0.0000000075) X	ND(0.000000027)	0.000000012 J	NA
Total TEQs (WHO TEFs)		0.0000000044	0.0000000035	0.0000000069	NA
Inorganics-Unfiltered					
Antimony		ND(0.0600)	0.0160 B	ND(0.0400)	NA
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Barium		0.0470 B	0.0870 B	ND(0.0500) J	NA
Beryllium		ND(0.00100)	0.000630 B	ND(0.0100) J	NA
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Chromium		ND(0.0100)	0.00170 B	ND(0.0100) J	NA
Cobalt		ND(0.0500)	0.00420 B	ND(0.0100)	NA
Copper		0.00360 B	ND(0.0250)	ND(0.200) J	NA
Cyanide		0.00230 B	0.00290 B	ND(0.0100)	NA
Lead		ND(0.00300) J	ND(0.00300)	ND(0.0100) J	NA
Mercury		ND(0.000200)	ND(0.000200)	ND(0.000285)	NA
Nickel		ND(0.0400)	0.00200 B	ND(0.0500) J	NA
Selenium		ND(0.00500) J	ND(0.00500) J	ND(0.0200) J	NA
Silver		ND(0.00500)	ND(0.0050)	ND(0.0100) J	NA
Sulfide		ND(5.00)	ND(5.00)	ND(1.00)	NA
Thallium		ND(0.0100) J	ND(0.0100) J	0.00662 J	NA
Tin		ND(0.0300)	ND(0.0300)	ND(0.100)	NA
Vanadium		ND(0.0500)	ND(0.050)	ND(0.0500)	NA
Zinc		ND(0.41)	0.0400	ND(0.0500) J	NA

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Inorganics-Filtered					
Antimony		ND(0.0600)	0.0110 B	ND(0.0400)	NA
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Barium		0.0440 B	0.0990 B	ND(0.0500) J	NA
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.0100) J	NA
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Chromium		ND(0.0100)	ND(0.0100)	ND(0.0100) J	NA
Cobalt		0.00150 B	0.00200 B	ND(0.0100)	NA
Copper		ND(0.0250)	0.00420 B	ND(0.200) J	NA
Cyanide		ND(0.0100)	0.00240 B	0.0140	NA
Cyanide-MADEP (PAC)		NA	NA	ND(0.0100)	NA
Lead		ND(0.00300) J	ND(0.00300)	ND(0.0100) J	NA
Mercury		ND(0.000200)	ND(0.000200)	ND(0.000285)	NA
Nickel		ND(0.0400)	ND(0.0400)	ND(0.0500) J	NA
Selenium		ND(0.00500) J	ND(0.00500) J	0.0145 J	NA
Silver		ND(0.00500)	ND(0.00500)	ND(0.0100) J	NA
Thallium		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	NA
Tin		ND(0.0300)	ND(0.0300)	ND(0.100)	NA
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Zinc		ND(0.41)	0.0580	ND(0.0500) J	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 04/12/02	GMA5-3 SGS 10/17/02	GMA5-3 SGS 04/30/03	GMA5-3 SGS 10/21/03
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)	ND(0.20)	ND(0.20) J
2-Butanone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
2-Chloro-1,3-butadiene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether		ND (0.0050) J	ND(0.0050)	ND(0.0050) J	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)	ND(0.010)	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)
Acrylonitrile		ND (0.0050) J	ND(0.0050) J	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)	ND(0.0050)	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)	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) J	ND(0.010)	ND(0.010) J	ND(0.010) J
Styrene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		0.012	0.0093 J	ND(0.0020)	ND(0.0020)
Toluene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
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)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate		ND (0.0050) J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0020)	0.0016 J	0.0012 J	0.00080 J
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs		0.012	0.011 J	0.0012 J	0.00080 J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 04/12/02	GMA5-3 SGS 10/17/02	GMA5-3 SGS 04/30/03	GMA5-3 SGS 10/21/03
PCBs-Unfiltered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254		0.000042 J	0.000031 J	ND(0.000065)	ND(0.000065)
Aroclor-1260		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs		0.000042 J	0.000031 J	ND(0.000065)	ND(0.000065)
PCBs-Filtered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254		0.000056 J	0.000027 J	ND(0.000065)	ND(0.000065)
Aroclor-1260		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs		0.000056 J	0.000027 J	ND(0.000065)	ND(0.000065)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013)
1,2,4-Trichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
1,2-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
1,2-Diphenylhydrazine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
1,3,5-Trinitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013) J
1,3-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
1,3-Dinitrobenzene		ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.013)
1,4-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
1,4-Naphthoquinone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
1-Naphthylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2,3,4,6-Tetrachlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2,4,5-Trichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2,4,6-Trichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2,4-Dichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2,4-Dimethylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2,4-Dinitrophenol		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.067)
2,4-Dinitrotoluene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013)
2,6-Dichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2,6-Dinitrotoluene		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.013)
2-Acetylaminofluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2-Chloronaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2-Chlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2-Methylnaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2-Naphthylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013) J
2-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.067)
2-Nitrophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
2-Picoline		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
3&4-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
3,3'-Dichlorobenzidine		ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.027)
3,3'-Dimethylbenzidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
3-Methylcholanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013) J
3-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.067)
4,6-Dinitro-2-methylphenol		ND(0.050) J	ND(0.050)	ND(0.050) J	ND(0.050) J
4-Aminobiphenyl		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
4-Bromophenyl-phenylether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
4-Chloro-3-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
4-Chloroaniline		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013)
4-Chlorobenzilate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013) J
4-Chlorophenyl-phenylether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 04/12/02	GMA5-3 SGS 10/17/02	GMA5-3 SGS 04/30/03	GMA5-3 SGS 10/21/03
Semivolatile Organics (continued)					
4-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.050)
4-Nitrophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.067)
4-Nitroquinoline-1-oxide		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
4-Phenylenediamine		ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.013) J
5-Nitro-o-toluidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
7,12-Dimethylbenz(a)anthracene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013)
a,a'-Dimethylphenethylamine		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.013)
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Acenaphthylene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Acetophenone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Aniline		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Aramite		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013) J
Benzidine		ND(0.020)	ND(0.020) J	ND(0.020)	ND(0.027)
Benzo(a)anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Benzo(a)pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Benzo(b)fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Benzo(g,h,i)perylene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Benzo(k)fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Benzyl Alcohol		ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.027)
bis(2-Chloroethoxy)methane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
bis(2-Chloroethyl)ether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
bis(2-Chloroisopropyl)ether		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013)
bis(2-Ethylhexyl)phthalate		ND(0.0060)	ND(0.0060)	ND(0.0060) J	ND(0.0067)
Butylbenzylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Chrysene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Diallate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Dibenzo(a,h)anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Dibenzofuran		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Diethylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Dimethylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Di-n-Butylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Di-n-Octylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Diphenylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Ethyl Methanesulfonate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Fluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Hexachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Hexachlorobutadiene		ND(0.0010)	ND(0.0010) J	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013) J
Hexachloroethane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Hexachlorophene		ND(0.020)	ND(0.020) J	ND(0.020)	ND(0.027) J
Hexachloropropene		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.013) J
Indeno(1,2,3-cd)pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Isodrin		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Isophorone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Isosafrole		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Methapyrilene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013)
Methyl Methanesulfonate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Naphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Nitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
N-Nitrosodiethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
N-Nitrosodimethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
N-Nitroso-di-n-butylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
N-Nitroso-di-n-propylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
N-Nitrosodiphenylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
N-Nitrosomethylethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
N-Nitrosomorpholine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013) J
N-Nitrosopiperidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)

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General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 04/12/02	GMA5-3 SGS 10/17/02	GMA5-3 SGS 04/30/03	GMA5-3 SGS 10/21/03
Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013) J
o,o,o-Triethylphosphorothioate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
o-Toluidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
p-Dimethylaminoazobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Pentachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013)
Pentachloroethane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Pentachloronitrobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013) J
Pentachlorophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.067)
Phenacetin		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013)
Phenanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Phenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Pronamide		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Pyridine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Safrole		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.013)
Thionazin		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.013) J
Organochlorine Pesticides					
4,4'-DDD		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
4,4'-DDE		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
4,4'-DDT		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Aldrin		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Alpha-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Alpha-Chlordane		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Beta-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Delta-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Dieldrin		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan I		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan II		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan Sulfate		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin Aldehyde		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin Ketone		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Gamma-BHC (Lindane)		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Gamma-Chlordane		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Heptachlor		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Heptachlor Epoxide		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Kepone		ND(0.050)	ND(0.050)	ND(0.050)	NA
Methoxychlor		ND(0.00050)	ND(0.00050)	ND(0.00050)	NA
Technical Chlordane		ND(0.00050)	ND(0.00050)	ND(0.00050)	NA
Toxaphene		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Organophosphate Pesticides					
Dimethoate		ND(0.050)	ND(0.050)	ND(0.050)	NA
Disulfoton		ND(0.010)	ND(0.010)	ND(0.010)	NA
Ethyl Parathion		ND(0.010)	ND(0.010)	ND(0.010)	NA
Famphur		ND(0.050)	ND(0.050)	ND(0.050)	NA
Methyl Parathion		ND(0.010)	ND(0.010)	ND(0.010)	NA
Phorate		ND(0.010)	ND(0.010)	ND(0.010)	NA
Sulfotep		ND(0.010)	ND(0.010)	ND(0.010)	NA
Herbicides					
2,4,5-T		ND(0.0020)	ND(2.0) J	ND(0.0020)	NA
2,4,5-TP		ND(0.0020)	ND(2.0) J	ND(0.0020)	NA
2,4-D		ND(0.010)	ND(10.0) J	ND(0.010)	NA
Dinoseb		ND(0.0010)	ND(1.0) J	ND(0.0010)	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 04/12/02	GMA5-3 SGS 10/17/02	GMA5-3 SGS 04/30/03	GMA5-3 SGS 10/21/03
Furans					
2,3,7,8-TCDF		ND(0.00000000070)	ND(0.0000000021)	ND(0.0000000023)	ND(0.0000000016)
TCDFs (total)		ND(0.0000000020) X	ND(0.0000000021)	0.0000000011	ND(0.0000000016)
1,2,3,7,8-PeCDF		ND(0.00000000080)	ND(0.0000000025)	0.0000000052 J	ND(0.0000000011)
2,3,4,7,8-PeCDF		ND(0.00000000070)	ND(0.0000000025)	0.0000000036 J	ND(0.0000000012)
PeCDFs (total)		ND(0.00000000070)	ND(0.0000000025)	0.0000000088	ND(0.0000000011)
1,2,3,4,7,8-HxCDF		ND(0.00000000096) X	ND(0.0000000046)	0.0000000058 J	ND(0.00000000078)
1,2,3,6,7,8-HxCDF		ND(0.00000000080)	ND(0.0000000041)	0.0000000055 J	ND(0.00000000077)
1,2,3,7,8,9-HxCDF		ND(0.00000000090)	ND(0.0000000052)	0.0000000058 J	ND(0.0000000010)
2,3,4,6,7,8-HxCDF		ND(0.00000000080)	ND(0.0000000047)	0.0000000045 J	ND(0.00000000087)
HxCDFs (total)		ND(0.0000000018) X	ND(0.0000000046)	0.000000022	ND(0.00000000077)
1,2,3,4,6,7,8-HpCDF		ND(0.0000000011)	0.0000000037 J	ND(0.0000000088) X	ND(0.0000000026) X
1,2,3,4,7,8,9-HpCDF		ND(0.0000000014)	ND(0.0000000038)	ND(0.0000000054) X	ND(0.0000000010)
HpCDFs (total)		ND(0.0000000012)	0.0000000037	ND(0.0000000049)	ND(0.00000000080)
OCDF		ND(0.0000000025) X	ND(0.0000000097)	ND(0.000000013) X	ND(0.0000000083)
Dioxins					
2,3,7,8-TCDD		ND(0.00000000090)	ND(0.0000000032)	ND(0.0000000023) X	ND(0.0000000018)
TCDDs (total)		ND(0.00000000090)	ND(0.0000000032)	ND(0.0000000027)	ND(0.0000000018)
1,2,3,7,8-PeCDD		ND(0.00000000090)	ND(0.0000000026)	0.0000000044 J	ND(0.0000000014)
PeCDDs (total)		ND(0.00000000090)	ND(0.0000000032)	0.0000000044	ND(0.0000000014)
1,2,3,4,7,8-HxCDD		ND(0.0000000012)	ND(0.0000000088)	ND(0.0000000051) X	ND(0.00000097)
1,2,3,6,7,8-HxCDD		ND(0.0000000013)	ND(0.0000000077)	ND(0.0000000048)	ND(0.00000088)
1,2,3,7,8,9-HxCDD		ND(0.0000000012)	ND(0.0000000079)	0.0000000052 J	ND(0.00000089)
HxCDDs (total)		ND(0.0000000012)	ND(0.0000000081)	0.0000000090	ND(0.00000088)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000019)	0.0000000066 J	0.0000000083 J	ND(0.0000000011)
HpCDDs (total)		ND(0.0000000019)	0.000000012	0.0000000083	ND(0.0000000011)
OCDD		ND(0.0000000084)	0.000000060 J	0.000000020 J	ND(0.000000015)
Total TEQs (WHO TEFs)		0.0000000015	0.0000000060	0.000000011	0.00000014
Inorganics-Unfiltered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Barium		ND(0.200)	0.110 B	0.110 B	0.100 B
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		ND(0.0100)	ND(0.0100)	0.00110 B	0.00110 B
Cobalt		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper		ND(0.0250)	ND(0.0250)	ND(0.025)	0.00330 B
Cyanide		0.00990 B	ND(0.0100)	0.00560 B	0.00280 B
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury		ND(0.000200)	0.000180 B	ND(0.00020)	ND(0.000200)
Nickel		ND(0.0400)	ND(0.0400)	0.00320 B	ND(0.0400)
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	0.00150 B
Sulfide		ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium		ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Tin		ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	0.00210 B	ND(0.0500)	ND(0.0500)
Zinc		ND(0.0200)	ND(0.0200) J	0.420 J	0.00370 J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:				
	Sample ID:	GMA5-3	GMA5-3	GMA5-3	GMA5-3
	Laboratory:	SGS	SGS	SGS	SGS
Parameter	Date Collected:	04/12/02	10/17/02	04/30/03	10/21/03
Inorganics-Filtered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Barium		ND(0.200)	0.0990 B	0.0860 B	0.0920 B
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.0100)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		ND(0.0250)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper		ND(0.100)	ND(0.0250)	ND(0.025)	0.00240 B
Cyanide		NA	ND(0.0100)	0.00620 B	0.00450 B
Cyanide-MADEP (PAC)		NA	NA	NA	NA
Lead		ND(0.00300)	0.00220 B	ND(0.00300) J	ND(0.00300)
Mercury		ND(0.000200)	0.000170 B	ND(0.00020)	ND(0.000200)
Nickel		ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium		ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Tin		ND(0.0300)	ND(0.0300)	0.00880 B	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		0.0130 B	ND(0.0200) J	0.420 J	ND(0.0200) J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 05/10/04	GMA5-3 SGS 04/12/06	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06
Volatile Organics					
1,1,1,2-Tetrachloroethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
1,1,1-Trichloroethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
1,1,2-Trichloroethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
1,1-Dichloroethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
1,1-Dichloroethene		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2,3-Trichloropropane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050) J	NA
1,2-Dibromoethane		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2-Dichloroethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
1,2-Dichloropropane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
1,4-Dioxane		ND(0.20) J	ND(0.20) J [ND(0.20) J]	ND(0.10) J	NA
2-Butanone		ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.0050) J	NA
2-Chloro-1,3-butadiene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
2-Chloroethylvinylether		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.013) J	NA
2-Hexanone		ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.0050)	NA
3-Chloropropene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
4-Methyl-2-pentanone		ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.0050)	NA
Acetone		ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.0050) J	NA
Acetonitrile		ND(0.10) J	ND(0.10) J [ND(0.10) J]	ND(0.020) J	NA
Acrolein		ND(0.10) J	ND(0.10) [ND(0.10)]	ND(0.025) J	NA
Acrylonitrile		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.025) J	NA
Benzene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Bromodichloromethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Bromoform		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Bromomethane		ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0010) J	NA
Carbon Disulfide		ND(0.0050) J	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Carbon Tetrachloride		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Chlorobenzene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Chloroethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Chloroform		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Chloromethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
cis-1,3-Dichloropropene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Dibromochloromethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Dibromomethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Dichlorodifluoromethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Ethyl Methacrylate		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Ethylbenzene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Iodomethane		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010) J	NA
Isobutanol		ND(0.10) J	ND(0.10) [ND(0.10)]	ND(0.050) J	NA
Methacrylonitrile		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	NA
Methyl Methacrylate		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Methylene Chloride		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Propionitrile		ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.020) J	NA
Styrene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Tetrachloroethene		ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0010)	NA
Toluene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
trans-1,2-Dichloroethene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
trans-1,3-Dichloropropene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050) J	NA
Trichloroethene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	NA
Trichlorofluoromethane		ND(0.0050)	ND(0.0050) J [ND(0.0050) J]	ND(0.0010)	NA
Vinyl Acetate		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0025) J	NA
Vinyl Chloride		ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0010)	NA
Xylenes (total)		ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.0010)	NA
Total VOCs		ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.10)	NA

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 05/10/04	GMA5-3 SGS 04/12/06	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06
PCBs-Unfiltered					
Aroclor-1016		NA	NA	ND(0.00010)	NA
Aroclor-1221		NA	NA	ND(0.00010)	NA
Aroclor-1232		NA	NA	ND(0.00010)	NA
Aroclor-1242		NA	NA	ND(0.00010)	NA
Aroclor-1248		NA	NA	ND(0.00010)	NA
Aroclor-1254		NA	NA	0.000093 J	NA
Aroclor-1260		NA	NA	ND(0.00010)	NA
Total PCBs		NA	NA	0.000093 J	NA
PCBs-Filtered					
Aroclor-1016		NA	NA	ND(0.00011)	ND(0.000022)
Aroclor-1221		NA	NA	ND(0.00011)	ND(0.000022)
Aroclor-1232		NA	NA	ND(0.00011)	ND(0.000022)
Aroclor-1242		NA	NA	ND(0.00011)	ND(0.000022)
Aroclor-1248		NA	NA	ND(0.00011)	ND(0.000022)
Aroclor-1254		NA	NA	ND(0.00011)	0.000024
Aroclor-1260		NA	NA	ND(0.00011)	ND(0.000022)
Total PCBs		NA	NA	ND(0.00011)	0.000054
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		NA	NA	ND(0.010)	NA
1,2,4-Trichlorobenzene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	NA
1,2-Dichlorobenzene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	NA
1,2-Diphenylhydrazine		NA	NA	ND(0.010)	NA
1,3,5-Trinitrobenzene		NA	NA	ND(0.050)	NA
1,3-Dichlorobenzene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	NA
1,3-Dinitrobenzene		NA	NA	ND(0.010)	NA
1,4-Dichlorobenzene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	NA
1,4-Naphthoquinone		NA	NA	ND(0.010)	NA
1-Naphthylamine		NA	NA	ND(0.050)	NA
2,3,4,6-Tetrachlorophenol		NA	NA	ND(0.010)	NA
2,4,5-Trichlorophenol		NA	NA	ND(0.010)	NA
2,4,6-Trichlorophenol		NA	NA	ND(0.010)	NA
2,4-Dichlorophenol		NA	NA	ND(0.010)	NA
2,4-Dimethylphenol		NA	NA	ND(0.010)	NA
2,4-Dinitrophenol		NA	NA	ND(0.050)	NA
2,4-Dinitrotoluene		NA	NA	ND(0.010)	NA
2,6-Dichlorophenol		NA	NA	ND(0.010)	NA
2,6-Dinitrotoluene		NA	NA	ND(0.010)	NA
2-Acetylaminofluorene		NA	NA	ND(0.020)	NA
2-Chloronaphthalene		NA	NA	ND(0.010)	NA
2-Chlorophenol		NA	NA	ND(0.010)	NA
2-Methylnaphthalene		NA	NA	ND(0.010)	NA
2-Methylphenol		NA	NA	ND(0.010)	NA
2-Naphthylamine		NA	NA	ND(0.050)	NA
2-Nitroaniline		NA	NA	ND(0.010)	NA
2-Nitrophenol		NA	NA	ND(0.010)	NA
2-Picoline		NA	NA	ND(0.010)	NA
3&4-Methylphenol		NA	NA	ND(0.010)	NA
3,3'-Dichlorobenzidine		NA	NA	ND(0.020)	NA
3,3'-Dimethylbenzidine		NA	NA	ND(0.050)	NA
3-Methylcholanthrene		NA	NA	ND(0.010)	NA
3-Nitroaniline		NA	NA	ND(0.050)	NA
4,6-Dinitro-2-methylphenol		NA	NA	ND(0.050)	NA
4-Aminobiphenyl		NA	NA	ND(0.010)	NA
4-Bromophenyl-phenylether		NA	NA	ND(0.010)	NA
4-Chloro-3-Methylphenol		NA	NA	ND(0.010)	NA
4-Chloroaniline		NA	NA	ND(0.050) J	NA
4-Chlorobenzilate		NA	NA	ND(0.010)	NA
4-Chlorophenyl-phenylether		NA	NA	ND(0.010)	NA

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 05/10/04	GMA5-3 SGS 04/12/06	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06
Semivolatile Organics (continued)					
4-Nitroaniline		NA	NA	ND(0.050)	NA
4-Nitrophenol		NA	NA	ND(0.050)	NA
4-Nitroquinoline-1-oxide		NA	NA	ND(0.050) J	NA
4-Phenylenediamine		NA	NA	ND(0.020) J	NA
5-Nitro-o-toluidine		NA	NA	ND(0.010)	NA
7,12-Dimethylbenz(a)anthracene		NA	NA	ND(0.010)	NA
a,a'-Dimethylphenethylamine		NA	NA	ND(0.050) J	NA
Acenaphthene		NA	NA	0.0017 J	NA
Acenaphthylene		NA	NA	ND(0.010)	NA
Acetophenone		NA	NA	ND(0.010)	NA
Aniline		NA	NA	ND(0.010)	NA
Anthracene		NA	NA	ND(0.010)	NA
Aramite		NA	NA	ND(0.010) J	NA
Benzidine		NA	NA	ND(0.020) J	NA
Benzo(a)anthracene		NA	NA	ND(0.010)	NA
Benzo(a)pyrene		NA	NA	ND(0.010)	NA
Benzo(b)fluoranthene		NA	NA	ND(0.010)	NA
Benzo(g,h,i)perylene		NA	NA	ND(0.010)	NA
Benzo(k)fluoranthene		NA	NA	ND(0.010)	NA
Benzyl Alcohol		NA	NA	ND(0.020)	NA
bis(2-Chloroethoxy)methane		NA	NA	ND(0.010)	NA
bis(2-Chloroethyl)ether		NA	NA	ND(0.010)	NA
bis(2-Chloroisopropyl)ether		NA	NA	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate		NA	NA	ND(0.010)	NA
Butylbenzylphthalate		NA	NA	ND(0.010)	NA
Chrysene		NA	NA	ND(0.010)	NA
Diallate		NA	NA	ND(0.010)	NA
Dibenzo(a,h)anthracene		NA	NA	ND(0.010)	NA
Dibenzofuran		NA	NA	ND(0.010)	NA
Diethylphthalate		NA	NA	0.0018 J	NA
Dimethylphthalate		NA	NA	ND(0.010)	NA
Di-n-Butylphthalate		NA	NA	ND(0.010)	NA
Di-n-Octylphthalate		NA	NA	ND(0.010)	NA
Diphenylamine		NA	NA	ND(0.010)	NA
Ethyl Methanesulfonate		NA	NA	ND(0.010)	NA
Fluoranthene		NA	NA	0.0033 J	NA
Fluorene		NA	NA	0.0027 J	NA
Hexachlorobenzene		NA	NA	ND(0.010)	NA
Hexachlorobutadiene		NA	NA	ND(0.010)	NA
Hexachlorocyclopentadiene		NA	NA	ND(0.020)	NA
Hexachloroethane		NA	NA	ND(0.010)	NA
Hexachlorophene		NA	NA	ND(0.010)	NA
Hexachloropropene		NA	NA	ND(0.020)	NA
Indeno(1,2,3-cd)pyrene		NA	NA	ND(0.010)	NA
Isodrin		NA	NA	ND(0.010)	NA
Isophorone		NA	NA	ND(0.010)	NA
Isosafrole		NA	NA	ND(0.010)	NA
Methapyrilene		NA	NA	ND(0.010)	NA
Methyl Methanesulfonate		NA	NA	ND(0.010)	NA
Naphthalene		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	NA
Nitrobenzene		NA	NA	ND(0.010)	NA
N-Nitrosodiethylamine		NA	NA	ND(0.010)	NA
N-Nitrosodimethylamine		NA	NA	ND(0.010)	NA
N-Nitroso-di-n-butylamine		NA	NA	ND(0.010)	NA
N-Nitroso-di-n-propylamine		NA	NA	ND(0.010)	NA
N-Nitrosodiphenylamine		NA	NA	ND(0.010)	NA
N-Nitrosomethylethylamine		NA	NA	ND(0.010)	NA
N-Nitrosomorpholine		NA	NA	ND(0.010)	NA
N-Nitrosopiperidine		NA	NA	ND(0.010)	NA

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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 05/10/04	GMA5-3 SGS 04/12/06	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06
Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		NA	NA	ND(0.010)	NA
o,o,o-Triethylphosphorothioate		NA	NA	ND(0.010)	NA
o-Toluidine		NA	NA	ND(0.010)	NA
p-Dimethylaminoazobenzene		NA	NA	ND(0.010)	NA
Pentachlorobenzene		NA	NA	ND(0.010)	NA
Pentachloroethane		NA	NA	ND(0.010)	NA
Pentachloronitrobenzene		NA	NA	ND(0.010)	NA
Pentachlorophenol		NA	NA	ND(0.050)	NA
Phenacetin		NA	NA	ND(0.010) J	NA
Phenanthrene		NA	NA	ND(0.010)	NA
Phenol		NA	NA	ND(0.010)	NA
Pronamide		NA	NA	ND(0.010)	NA
Pyrene		NA	NA	0.0028 J	NA
Pyridine		NA	NA	R	NA
Safrole		NA	NA	ND(0.010)	NA
Thionazin		NA	NA	ND(0.020)	NA
Organochlorine Pesticides					
4,4'-DDD		NA	NA	ND(0.00030)	NA
4,4'-DDE		NA	NA	ND(0.00030) J	NA
4,4'-DDT		NA	NA	ND(0.00030)	NA
Aldrin		NA	NA	ND(0.00030)	NA
Alpha-BHC		NA	NA	ND(0.00030)	NA
Alpha-Chlordane		NA	NA	ND(0.00030)	NA
Beta-BHC		NA	NA	ND(0.00030)	NA
Delta-BHC		NA	NA	ND(0.00030)	NA
Dieldrin		NA	NA	ND(0.00030)	NA
Endosulfan I		NA	NA	ND(0.00030)	NA
Endosulfan II		NA	NA	ND(0.00030)	NA
Endosulfan Sulfate		NA	NA	ND(0.00030)	NA
Endrin		NA	NA	ND(0.00030)	NA
Endrin Aldehyde		NA	NA	0.000044 J	NA
Endrin Ketone		NA	NA	ND(0.00030)	NA
Gamma-BHC (Lindane)		NA	NA	ND(0.00030)	NA
Gamma-Chlordane		NA	NA	ND(0.00030)	NA
Heptachlor		NA	NA	ND(0.00030)	NA
Heptachlor Epoxide		NA	NA	ND(0.00030)	NA
Kepone		NA	NA	ND(0.010) J	NA
Methoxychlor		NA	NA	ND(0.00030)	NA
Technical Chlordane		NA	NA	ND(0.00050)	NA
Toxaphene		NA	NA	ND(0.0010)	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	ND(0.0010)	NA
2,4,5-TP		NA	NA	ND(0.0010)	NA
2,4-D		NA	NA	ND(0.0010)	NA
Dinoseb		NA	NA	ND(0.010)	NA

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 05/10/04	GMA5-3 SGS 04/12/06	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06
Furans					
2,3,7,8-TCDF		ND(0.0000000012)	NA	ND(0.0000000011)	NA
TCDFs (total)		ND(0.0000000012)	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDF		0.0000000017 J	NA	ND(0.0000000052)	NA
2,3,4,7,8-PeCDF		ND(0.0000000014)	NA	ND(0.0000000052)	NA
PeCDFs (total)		0.0000000031	NA	ND(0.0000000052)	NA
1,2,3,4,7,8-HxCDF		0.0000000013 J	NA	ND(0.0000000052)	NA
1,2,3,6,7,8-HxCDF		0.0000000018 J	NA	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDF		ND(0.0000000016) X	NA	ND(0.0000000052)	NA
2,3,4,6,7,8-HxCDF		0.0000000013 J	NA	ND(0.0000000052)	NA
HxCDFs (total)		0.0000000044	NA	ND(0.0000000052)	NA
1,2,3,4,6,7,8-HpCDF		ND(0.0000000021)	NA	ND(0.0000000052)	NA
1,2,3,4,7,8,9-HpCDF		ND(0.0000000025)	NA	ND(0.0000000052)	NA
HpCDFs (total)		ND(0.0000000021)	NA	ND(0.0000000052)	NA
OCDF		ND(0.0000000072)	NA	ND(0.000000011)	NA
Dioxins					
2,3,7,8-TCDD		ND(0.0000000015)	NA	ND(0.0000000011)	NA
TCDDs (total)		ND(0.0000000033)	NA	ND(0.0000000011)	NA
1,2,3,7,8-PeCDD		ND(0.0000000025)	NA	ND(0.0000000052)	NA
PeCDDs (total)		ND(0.0000000034)	NA	ND(0.0000000052)	NA
1,2,3,4,7,8-HxCDD		ND(0.0000000056)	NA	ND(0.0000000052)	NA
1,2,3,6,7,8-HxCDD		ND(0.0000000050)	NA	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDD		ND(0.0000000054)	NA	ND(0.0000000052)	NA
HxCDDs (total)		ND(0.0000000053)	NA	ND(0.0000000052)	NA
1,2,3,4,6,7,8-HpCDD		ND(0.0000000032)	NA	ND(0.0000000052)	NA
HpCDDs (total)		ND(0.0000000032)	NA	ND(0.0000000052)	NA
OCDD		ND(0.0000000070)	NA	0.000000016 J	NA
Total TEQs (WHO TEFs)		0.0000000039	NA	0.0000000066	NA
Inorganics-Unfiltered					
Antimony		NA	NA	ND(0.0400)	NA
Arsenic		NA	NA	ND(0.0100)	NA
Barium		NA	NA	ND(0.0500) J	NA
Beryllium		NA	NA	ND(0.0100) J	NA
Cadmium		NA	NA	ND(0.00500)	NA
Chromium		NA	NA	ND(0.0100) J	NA
Cobalt		NA	NA	ND(0.0100)	NA
Copper		NA	NA	ND(0.200) J	NA
Cyanide		NA	NA	ND(0.0100)	NA
Lead		NA	NA	ND(0.0100) J	NA
Mercury		NA	NA	ND(0.000285)	NA
Nickel		NA	NA	ND(0.0500) J	NA
Selenium		NA	NA	0.00993 J	NA
Silver		NA	NA	ND(0.0100) J	NA
Sulfide		NA	NA	ND(1.00)	NA
Thallium		NA	NA	0.00764 J	NA
Tin		NA	NA	ND(0.100)	NA
Vanadium		NA	NA	ND(0.0500)	NA
Zinc		NA	NA	ND(0.0500) J	NA

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-3 SGS 05/10/04	GMA5-3 SGS 04/12/06	GMA5-3 SGS 11/21/06	GMA5-3 NEA 11/21/06
Inorganics-Filtered					
Antimony		NA	NA	ND(0.0400)	NA
Arsenic		NA	NA	ND(0.0100)	NA
Barium		NA	NA	ND(0.0500) J	NA
Beryllium		NA	NA	ND(0.0100) J	NA
Cadmium		NA	NA	ND(0.00500)	NA
Chromium		NA	NA	ND(0.0100) J	NA
Cobalt		NA	NA	ND(0.0100)	NA
Copper		NA	NA	ND(0.200) J	NA
Cyanide		NA	NA	ND(0.0100)	NA
Cyanide-MADEP (PAC)		NA	NA	ND(0.0100)	NA
Lead		NA	NA	ND(0.0100) J	NA
Mercury		NA	NA	ND(0.000285)	NA
Nickel		NA	NA	ND(0.0500) J	NA
Selenium		NA	NA	ND(0.0200) J	NA
Silver		NA	NA	ND(0.0100) J	NA
Thallium		NA	NA	ND(0.0100) J	NA
Tin		NA	NA	ND(0.100)	NA
Vanadium		NA	NA	ND(0.0500)	NA
Zinc		NA	NA	ND(0.0500) J	NA

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:				
	Sample ID:	GMA5-4	GMA5-4	GMA5-4	GMA5-4
	Laboratory:	SGS	SGS	SGS	SGS
Parameter	Date Collected:	05/02/02	10/17/02	04/30/03	10/22/03
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)	ND(0.20)	ND(0.20)	ND(0.20) J
2-Butanone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
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) J	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)	ND(0.010)	ND(0.010)	ND(0.010)
Acetonitrile		ND(0.10)	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrolein		ND(0.10)	ND(0.10) J	ND(0.10) J	ND(0.10)
Acrylonitrile		ND(0.0050)	ND(0.0050) J	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)	ND(0.0050)	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)	ND(0.10)	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) J	ND(0.010) J
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)	ND(0.0050)	0.0025 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)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs		ND(0.20)	ND(0.20)	ND(0.20)	0.0025 J

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General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:				
	Sample ID:	GMA5-4	GMA5-4	GMA5-4	GMA5-4
	Laboratory:	SGS	SGS	SGS	SGS
Parameter	Date Collected:	05/02/02	10/17/02	04/30/03	10/22/03
PCBs-Unfiltered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254		0.000034 J	0.00014	ND(0.000065)	0.00042
Aroclor-1260		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs		0.000034 J	0.00014	ND(0.000065)	0.00042
PCBs-Filtered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254		ND(0.000065)	0.00012	ND(0.000065)	0.00018
Aroclor-1260		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs		ND(0.000065)	0.00012	ND(0.000065)	0.00018
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
1,2,4-Trichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,2-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,2-Diphenylhydrazine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,3,5-Trinitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
1,3-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,3-Dinitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,4-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,4-Naphthoquinone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1-Naphthylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,3,4,6-Tetrachlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4,5-Trichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4,6-Trichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dimethylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dinitrophenol		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
2,4-Dinitrotoluene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
2,6-Dichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,6-Dinitrotoluene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
2-Acetylaminofluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Chloronaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Chlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Methylnaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Naphthylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
2-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
2-Nitrophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Picoline		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3&4-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3,3'-Dichlorobenzidine		ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.080)
3,3'-Dimethylbenzidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3-Methylcholanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
3-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
4,6-Dinitro-2-methylphenol		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.050) J
4-Aminobiphenyl		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Bromophenyl-phenylether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Chloro-3-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Chloroaniline		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
4-Chlorobenzilate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
4-Chlorophenyl-phenylether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-4 SGS 05/02/02	GMA5-4 SGS 10/17/02	GMA5-4 SGS 04/30/03	GMA5-4 SGS 10/22/03
Semivolatile Organics (continued)					
4-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.050)
4-Nitrophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)
4-Nitroquinoline-1-oxide		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Phenylenediamine		ND(0.010)	ND(0.010) J	ND(0.010) J	ND(0.040) J
5-Nitro-o-toluidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
7,12-Dimethylbenz(a)anthracene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
a,a'-Dimethylphenethylamine		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Acenaphthylene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Acetophenone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Aniline		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Aramite		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
Benzidine		ND(0.020)	ND(0.020)	ND(0.020)	ND(0.080)
Benzo(a)anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(a)pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(b)fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(g,h,i)perylene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(k)fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzyl Alcohol		ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.080)
bis(2-Chloroethoxy)methane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
bis(2-Chloroethyl)ether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
bis(2-Chloroisopropyl)ether		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
bis(2-Ethylhexyl)phthalate		ND(0.0060)	ND(0.0060)	ND(0.0060) J	ND(0.020)
Butylbenzylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Chrysene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diallate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dibenzo(a,h)anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dibenzofuran		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diethylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dimethylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Di-n-Butylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Di-n-Octylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diphenylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Ethyl Methanesulfonate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Fluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorobutadiene		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
Hexachloroethane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorophene		ND(0.020)	ND(0.020) J	ND(0.020)	ND(0.080) J
Hexachloropropene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
Indeno(1,2,3-cd)pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isodrin		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isophorone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isosafrole		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Methapyrilene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Methyl Methanesulfonate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Naphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Nitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodiethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodimethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitroso-di-n-butylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitroso-di-n-propylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodiphenylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosomethylethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosomorpholine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
N-Nitrosopiperidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-4 SGS 05/02/02	GMA5-4 SGS 10/17/02	GMA5-4 SGS 04/30/03	GMA5-4 SGS 10/22/03
Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
o,o,o-Triethylphosphorothioate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
o-Toluidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
p-Dimethylaminoazobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pentachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Pentachloroethane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pentachloronitrobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
Pentachlorophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)
Phenacetin		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Phenanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Phenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pronamide		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pyridine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Safrole		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Thionazin		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
Organochlorine Pesticides					
4,4'-DDD		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
4,4'-DDE		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
4,4'-DDT		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Aldrin		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Alpha-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Alpha-Chlordane		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Beta-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Delta-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Dieldrin		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan I		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan II		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan Sulfate		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin Aldehyde		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin Ketone		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Gamma-BHC (Lindane)		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Gamma-Chlordane		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Heptachlor		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Heptachlor Epoxide		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Kepone		ND(0.050)	ND(0.050)	ND(0.050)	NA
Methoxychlor		ND(0.00050)	ND(0.00050)	ND(0.00050)	NA
Technical Chlordane		ND(0.00050)	ND(0.00050)	ND(0.00050)	NA
Toxaphene		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Organophosphate Pesticides					
Dimethoate		ND(0.050)	ND(0.050)	ND(0.050)	NA
Disulfoton		ND(0.010)	ND(0.010)	ND(0.010)	NA
Ethyl Parathion		ND(0.010)	ND(0.010)	ND(0.010)	NA
Famphur		ND(0.050)	ND(0.050)	ND(0.050)	NA
Methyl Parathion		ND(0.010)	ND(0.010)	ND(0.010)	NA
Phorate		ND(0.010)	ND(0.010)	ND(0.010)	NA
Sulfotep		ND(0.010)	ND(0.010)	ND(0.010)	NA
Herbicides					
2,4,5-T		ND(0.0020)	ND(0.0020)	ND(0.0020)	NA
2,4,5-TP		ND(0.0020)	ND(0.0020)	ND(0.0020)	NA
2,4-D		ND(0.010)	ND(0.010)	ND(0.010)	NA
Dinoseb		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA

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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-4 SGS 05/02/02	GMA5-4 SGS 10/17/02	GMA5-4 SGS 04/30/03	GMA5-4 SGS 10/22/03
Furans					
2,3,7,8-TCDF		ND(0.0000000011)	ND(0.0000000025)	ND(0.0000000083)	ND(0.0000000050) J
TCDFs (total)		ND(0.0000000011)	ND(0.0000000025)	ND(0.0000000083)	ND(0.0000000050) J
1,2,3,7,8-PeCDF		ND(0.0000000025)	ND(0.0000000025)	0.0000000048 J	ND(0.0000000044) J
2,3,4,7,8-PeCDF		ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000039)	ND(0.0000000047) J
PeCDFs (total)		ND(0.0000000025)	ND(0.0000000025)	0.0000000048	ND(0.0000000044) J
1,2,3,4,7,8-HxCDF		ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000041) X	0.0000000089 IJ
1,2,3,6,7,8-HxCDF		ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000033)	ND(0.0000000055) J
1,2,3,7,8,9-HxCDF		ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000044)	ND(0.0000000072) J
2,3,4,6,7,8-HxCDF		ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000037)	ND(0.0000000062) J
HxCDFs (total)		ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000038)	0.0000000089 J
1,2,3,4,6,7,8-HpCDF		ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000070)	ND(0.000000013) XJ
1,2,3,4,7,8,9-HpCDF		ND(0.0000000025)	ND(0.0000000030)	ND(0.0000000094)	ND(0.0000000038) J
HpCDFs (total)		ND(0.0000000025)	ND(0.0000000027)	ND(0.0000000080)	ND(0.0000000029) J
OCDF		ND(0.0000000050)	ND(0.0000000071)	ND(0.000000022)	ND(0.000000034) X
Dioxins					
2,3,7,8-TCDD		ND(0.0000000018)	ND(0.0000000035)	ND(0.0000000072)	ND(0.0000000042) J
TCDDs (total)		ND(0.0000000018)	ND(0.0000000035)	ND(0.000000012)	ND(0.0000000042) J
1,2,3,7,8-PeCDD		ND(0.0000000025)	ND(0.0000000028)	ND(0.0000000066)	ND(0.0000000043) J
PeCDDs (total)		ND(0.0000000025)	ND(0.0000000028)	ND(0.0000000066)	ND(0.0000000043) J
1,2,3,4,7,8-HxCDD		ND(0.0000000025)	ND(0.0000000041)	ND(0.0000000076)	ND(0.0000000029)
1,2,3,6,7,8-HxCDD		ND(0.0000000025)	ND(0.0000000036)	ND(0.0000000068)	ND(0.0000000027) J
1,2,3,7,8,9-HxCDD		ND(0.0000000025)	ND(0.0000000037)	ND(0.0000000075)	ND(0.0000000027) J
HxCDDs (total)		ND(0.0000000025)	ND(0.0000000038)	ND(0.0000000073)	ND(0.0000000027) J
1,2,3,4,6,7,8-HpCDD		0.0000000017 J	ND(0.0000000045)	ND(0.000000011)	ND(0.0000000022) J
HpCDDs (total)		0.0000000017 J	ND(0.0000000045)	ND(0.000000011)	ND(0.0000000022) J
OCDD		0.0000000097 J	0.000000013 J	ND(0.000000027)	0.00000025 J
Total TEQs (WHO TEFs)		0.0000000038	0.0000000051	0.000000011	0.0000000082
Inorganics-Unfiltered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.060)
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100) J	0.00420 B
Barium		ND(0.200)	0.0160 B	0.0200 B	0.0340 B
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		ND(0.0100)	ND(0.0100)	0.00130 B	0.00190 B
Cobalt		ND(0.0500)	ND(0.0500)	0.00130 B	0.00180 B
Copper		ND(0.0250)	ND(0.0250)	ND(0.025)	0.00190 B
Cyanide		0.00380 B	0.00340 B	ND(0.0100)	ND(0.0100)
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300) J	0.0530
Mercury		ND(0.000200)	0.000720	ND(0.00020)	ND(0.000200)
Nickel		ND(0.0400)	ND(0.0400)	0.00320 B	0.00400 B
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	0.00110 B
Sulfide		ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium		ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Tin		ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		0.0110 B	0.0150 J	0.0880	ND(0.020)

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:				
	Sample ID:	GMA5-4	GMA5-4	GMA5-4	GMA5-4
	Laboratory:	SGS	SGS	SGS	SGS
Parameter	Date Collected:	05/02/02	10/17/02	04/30/03	10/22/03
Inorganics-Filtered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Barium		ND(0.200)	0.0180 B	0.0150 B	0.0260 B
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.0100)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		ND(0.0250)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt		ND(0.0500)	ND(0.0500)	0.00130 B	ND(0.0500)
Copper		ND(0.100)	ND(0.0250)	ND(0.025)	0.00140 B
Cyanide		NA	0.00500 B	ND(0.0100)	ND(0.0100)
Cyanide-MADEP (PAC)		NA	NA	NA	NA
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury		ND(0.000200)	0.000840	ND(0.00020)	ND(0.000200)
Nickel		ND(0.0400)	ND(0.0400)	ND(0.0400)	0.00310 B
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium		ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Tin		ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		0.0120 B	ND(0.0200) J	0.00900 B	ND(0.020)

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-4 SGS 11/15/06	GMA5-4 NEA 11/15/06	GMA5-5 SGS 04/16/02	GMA5-5 SGS 10/17/02
Volatile Organics					
1,1,1,2-Tetrachloroethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane		ND(0.0050) J	NA	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
1,4-Dioxane		ND(0.10) J	NA	ND(0.20) J	ND(0.20)
2-Butanone		ND(0.0050)	NA	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether		ND(0.013) J	NA	ND (0.0050) J	ND(0.0050)
2-Hexanone		ND(0.0050)	NA	ND(0.010)	ND(0.010)
3-Chloropropene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone		ND(0.0050)	NA	ND(0.010)	ND(0.010)
Acetone		ND(0.0050) J	NA	ND (0.010) J	ND(0.010)
Acetonitrile		ND(0.020) J	NA	ND (0.10) J	ND(0.10) J
Acrolein		ND(0.025) J	NA	ND (0.10) J	ND(0.10) J
Acrylonitrile		ND(0.025) J	NA	ND (0.0050) J	ND(0.0050) J
Benzene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Bromodichloromethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Bromoform		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Bromomethane		ND(0.0010)	NA	ND(0.0020)	ND(0.0020)
Carbon Disulfide		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Chlorobenzene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Chloroethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Chloroform		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Chloromethane		ND(0.0034)	NA	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Dibromochloromethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Dibromomethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Ethylbenzene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Iodomethane		ND(0.0010) J	NA	ND(0.0050)	ND(0.0050)
Isobutanol		ND(0.050) J	NA	ND (0.10) J	ND(0.10)
Methacrylonitrile		ND(0.010)	NA	ND(0.0050)	ND(0.0050)
Methyl Methacrylate		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Methylene Chloride		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Propionitrile		ND(0.020) J	NA	ND (0.010) J	ND(0.010)
Styrene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0010)	NA	ND(0.0020)	ND(0.0020) J
Toluene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene		ND(0.0050) J	NA	ND(0.0050)	ND(0.0050)
Trichloroethene		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane		ND(0.0010)	NA	ND(0.0050)	ND(0.0050)
Vinyl Acetate		ND(0.0025) J	NA	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0010)	NA	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.0010)	NA	ND(0.010)	ND(0.010)
Total VOCs		ND(0.10)	NA	ND(0.20)	ND(0.20)

Table D-1
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(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-4 SGS 11/15/06	GMA5-4 NEA 11/15/06	GMA5-5 SGS 04/16/02	GMA5-5 SGS 10/17/02
PCBs-Unfiltered					
Aroclor-1016		ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1221		ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1232		ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1242		ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1248		ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1254		ND(0.00010)	NA	ND(0.000065) J	0.00038
Aroclor-1260		0.000040 J	NA	ND(0.000065) J	0.00010
Total PCBs		0.000040 J	NA	ND(0.000065) J	0.00048
PCBs-Filtered					
Aroclor-1016		ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1254		ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1260		ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Total PCBs		ND(0.00011)	ND(0.000022)	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)	NA	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene		ND(0.010)	NA	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine		ND(0.010)	NA	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene		ND(0.050)	NA	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene		ND(0.010)	NA	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)	NA	ND(0.010)	ND(0.010)
1,4-Naphthoquinone		ND(0.010)	NA	ND(0.010)	ND(0.010)
1-Naphthylamine		ND(0.050)	NA	ND(0.010)	ND(0.010)
2,3,4,6-Tetrachlorophenol		ND(0.010)	NA	ND(0.010) J	ND(0.010)
2,4,5-Trichlorophenol		ND(0.010) J	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) J	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) J	ND(0.010)
2-Acetylaminofluorene		ND(0.020)	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(0.050)	NA	ND(0.010)	ND(0.010)
2-Nitroaniline		ND(0.010)	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) J	NA	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine		ND(0.050)	NA	ND(0.010)	ND(0.010)
3-Methylcholanthrene		ND(0.010)	NA	ND(0.010)	ND(0.010)
3-Nitroaniline		ND(0.050) J	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(0.050) J	NA	ND(0.010)	ND(0.010)
4-Chlorobenzilate		ND(0.010)	NA	ND(0.010) J	ND(0.010)
4-Chlorophenyl-phenylether		ND(0.010)	NA	ND(0.010)	ND(0.010)

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Semivolatile Organics (continued)					
4-Nitroaniline		R	NA	ND(0.050)	ND(0.050)
4-Nitrophenol		ND(0.050) J	NA	ND(0.050)	ND(0.050)
4-Nitroquinoline-1-oxide		ND(0.050) J	NA	ND(0.010) J	ND(0.010)
4-Phenylenediamine		ND(0.020) J	NA	ND(0.010) J	ND(0.010) J
5-Nitro-o-toluidine		ND(0.010) J	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(0.050) J	NA	ND(0.010) J	ND(0.010)
Acenaphthene		ND(0.010)	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)	ND(0.010)
Anthracene		ND(0.010)	NA	ND(0.010)	ND(0.010)
Aramite		ND(0.010) J	NA	ND(0.010) J	ND(0.010)
Benzidine		ND(0.020) J	NA	ND(0.020)	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		R	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(0.010) J	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		R	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) J	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(0.010)	NA	ND(0.0010)	ND(0.0010) J
Hexachlorocyclopentadiene		ND(0.020) J	NA	ND(0.010)	ND(0.010)
Hexachloroethane		ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorophene		ND(0.010)	NA	ND(0.020)	ND(0.020) J
Hexachloropropene		ND(0.020) J	NA	ND(0.010) J	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)	NA	ND(0.010)	ND(0.010)
Methapyrilene		ND(0.010) J	NA	ND(0.010)	ND(0.010)
Methyl Methanesulfonate		ND(0.010)	NA	ND(0.010)	ND(0.010)
Naphthalene		ND(0.010)	NA	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)
N-Nitrosopiperidine		ND(0.010)	NA	ND(0.010)	ND(0.010)

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Semivolatile Organics (continued)					
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) J	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) J	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) J	NA	ND(0.010)	ND(0.010)
Safrole		ND(0.010)	NA	ND(0.010)	ND(0.010)
Thionazin		ND(0.020)	NA	ND(0.010)	ND(0.010)
Organochlorine Pesticides					
4,4'-DDD		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
4,4'-DDE		ND(0.00030) J	NA	ND(0.00010)	ND(0.00010)
4,4'-DDT		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Aldrin		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Alpha-BHC		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Alpha-Chlordane		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Beta-BHC		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Delta-BHC		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Dieldrin		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endosulfan I		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endosulfan II		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endosulfan Sulfate		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endrin		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endrin Aldehyde		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endrin Ketone		ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Gamma-BHC (Lindane)		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Gamma-Chlordane		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Heptachlor		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Heptachlor Epoxide		ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Kepone		ND(0.010)	NA	ND(0.050)	ND(0.050)
Methoxychlor		ND(0.00030)	NA	ND(0.00050)	ND(0.00050)
Technical Chlordane		ND(0.00050)	NA	ND(0.00050)	ND(0.00050)
Toxaphene		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Organophosphate Pesticides					
Dimethoate		NA	NA	ND(0.050)	ND(0.050)
Disulfoton		NA	NA	ND(0.010)	ND(0.010)
Ethyl Parathion		NA	NA	ND(0.010)	ND(0.010)
Famphur		NA	NA	ND(0.050)	ND(0.050)
Methyl Parathion		NA	NA	ND(0.010)	ND(0.010)
Phorate		NA	NA	ND(0.010)	ND(0.010)
Sulfotep		NA	NA	ND(0.010)	ND(0.010)
Herbicides					
2,4,5-T		ND(0.0010)	NA	ND(0.0020)	ND(2.0) J
2,4,5-TP		ND(0.0010)	NA	ND(0.0020)	ND(2.0) J
2,4-D		ND(0.0010)	NA	ND(0.010)	ND(10.0) J
Dinoseb		ND(0.010)	NA	ND(0.0010)	ND(1.0) J

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Furans					
2,3,7,8-TCDF		ND(0.0000000012) X	NA	0.0000000044 J	ND(0.0000000012)
TCDFs (total)		ND(0.0000000010)	NA	0.0000000044 J	ND(0.0000000012)
1,2,3,7,8-PeCDF		ND(0.0000000052)	NA	ND(0.0000000023) J	ND(0.0000000024)
2,3,4,7,8-PeCDF		ND(0.0000000052)	NA	0.0000000078 J	ND(0.0000000024)
PeCDFs (total)		ND(0.0000000052)	NA	ND(0.0000000078)	ND(0.0000000024)
1,2,3,4,7,8-HxCDF		ND(0.0000000052)	NA	ND(0.0000000053) XJ	ND(0.0000000024)
1,2,3,6,7,8-HxCDF		ND(0.0000000052)	NA	ND(0.0000000048) XJ	ND(0.0000000024)
1,2,3,7,8,9-HxCDF		ND(0.0000000052)	NA	ND(0.0000000037) XJ	ND(0.0000000024)
2,3,4,6,7,8-HxCDF		ND(0.0000000052)	NA	0.0000000043 J	ND(0.0000000024)
HxCDFs (total)		ND(0.0000000052)	NA	0.0000000043 J	ND(0.0000000024)
1,2,3,4,6,7,8-HpCDF		ND(0.0000000052)	NA	0.0000000067 J	ND(0.0000000024)
1,2,3,4,7,8,9-HpCDF		ND(0.0000000052)	NA	0.0000000062 J	ND(0.0000000024)
HpCDFs (total)		ND(0.0000000052)	NA	0.000000013	ND(0.0000000024)
OCDF		ND(0.000000010)	NA	0.000000013 J	ND(0.0000000049)
Dioxins					
2,3,7,8-TCDD		ND(0.0000000014) X	NA	ND(0.0000000025) J	ND(0.0000000017)
TCDDs (total)		ND(0.0000000011)	NA	ND(0.0000000025) J	ND(0.0000000017)
1,2,3,7,8-PeCDD		ND(0.0000000052)	NA	ND(0.0000000023) J	ND(0.0000000024)
PeCDDs (total)		ND(0.0000000052)	NA	ND(0.0000000023) J	ND(0.0000000024)
1,2,3,4,7,8-HxCDD		ND(0.0000000052)	NA	0.0000000050 J	ND(0.0000000028)
1,2,3,6,7,8-HxCDD		ND(0.0000000052)	NA	ND(0.0000000045) XJ	ND(0.0000000025)
1,2,3,7,8,9-HxCDD		ND(0.0000000052)	NA	0.0000000047 J	ND(0.0000000026)
HxCDDs (total)		ND(0.0000000052)	NA	0.0000000097 J	ND(0.0000000028)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000052)	NA	ND(0.0000000064) X	ND(0.0000000028) X
HpCDDs (total)		ND(0.0000000052)	NA	ND(0.0000000064) X	ND(0.0000000024)
OCDD		ND(0.000000023)	NA	0.000000022 J	0.000000020 J
Total TEQs (WHO TEFs)		0.0000000067	NA	0.0000000093	0.0000000037
Inorganics-Unfiltered					
Antimony		ND(0.0400)	NA	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.0100) J	NA	ND(0.0100)	ND(0.0100)
Barium		0.0197 B	NA	ND(0.200)	0.160 B
Beryllium		ND(0.0100)	NA	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.00500)	NA	ND(0.00500)	ND(0.0050)
Chromium		0.00149 B	NA	ND(0.0100)	0.00250 B
Cobalt		0.00154 B	NA	ND(0.0500)	0.0120 B
Copper		ND(0.200) J	NA	ND(0.0250)	0.0210 B
Cyanide		ND(0.0100)	NA	ND(0.0100)	0.00270 B
Lead		0.00148 J	NA	ND (0.0030) J	0.0120
Mercury		ND(0.000285)	NA	ND(0.000200)	0.000280
Nickel		ND(0.0500)	NA	ND(0.0400)	ND(0.0400)
Selenium		ND(0.0200) J	NA	ND(0.00500)	ND(0.00500)
Silver		ND(0.0100)	NA	ND(0.00500)	ND(0.00500)
Sulfide		ND(1.00)	NA	ND(5.00)	ND(5.00)
Thallium		ND(0.0100) J	NA	ND (0.010) J	ND(0.0100)
Tin		ND(0.100)	NA	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc		ND(0.0500) J	NA	0.00760 B	0.0200 J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-4 SGS 11/15/06	GMA5-4 NEA 11/15/06	GMA5-5 SGS 04/16/02	GMA5-5 SGS 10/17/02
Inorganics-Filtered					
Antimony		ND(0.0400)	NA	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.0100) J	NA	ND(0.100)	ND(0.0100)
Barium		0.0367 B	NA	ND(0.200)	0.120 B
Beryllium		0.000280 J	NA	ND(0.00100)	ND(0.00100)
Cadmium		0.00411 J	NA	ND(0.0100)	ND(0.00500)
Chromium		0.00361 J	NA	ND(0.0250)	0.00220 B
Cobalt		ND(0.0100)	NA	ND(0.0500)	ND(0.0500)
Copper		ND(0.200) J	NA	ND(0.100)	0.00680 B
Cyanide		ND(0.0100)	NA	NA	ND(0.0100)
Cyanide-MADEP (PAC)		ND(0.0100)	NA	NA	NA
Lead		0.00305 J	NA	ND (0.0030) J	ND(0.00300)
Mercury		ND(0.000285)	NA	ND(0.000200)	0.000150 B
Nickel		0.00294 B	NA	ND(0.0400)	ND(0.0400)
Selenium		ND(0.0200) J	NA	ND(0.00500)	ND(0.00500)
Silver		0.00151 B	NA	ND(0.00500)	ND(0.00500)
Thallium		ND(0.0100) J	NA	ND (0.010) J	ND(0.0100)
Tin		ND(0.100)	NA	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc		0.0418 J	NA	ND(0.0200)	ND(0.0200) J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-5 SGS 04/30/03	GMA5-5 SGS 10/22/03	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06
Volatile Organics					
1,1,1,2-Tetrachloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1,1-Trichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1,2-Trichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1-Dichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,1-Dichloroethene		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2,3-Trichloropropane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane		ND(0.0050)	ND(0.0050)	ND(0.0050) J	NA
1,2-Dibromoethane		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,2-Dichloropropane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
1,4-Dioxane		ND(0.20)	ND(0.20) J	ND(0.10) J	NA
2-Butanone		ND(0.010)	ND(0.010) J	ND(0.0050)	NA
2-Chloro-1,3-butadiene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
2-Chloroethylvinylether		ND(0.0050) J	ND(0.0050)	R	NA
2-Hexanone		ND(0.010)	ND(0.010)	ND(0.0050)	NA
3-Chloropropene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
4-Methyl-2-pentanone		ND(0.010)	ND(0.010)	ND(0.0050)	NA
Acetone		ND(0.010)	ND(0.010)	ND(0.0050) J	NA
Acetonitrile		ND(0.10) J	ND(0.10) J	ND(0.020) J	NA
Acrolein		ND(0.10) J	ND(0.10)	ND(0.025) J	NA
Acrylonitrile		ND(0.0050)	ND(0.0050)	ND(0.025) J	NA
Benzene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Bromodichloromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Bromoform		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Bromomethane		ND(0.0020)	ND(0.0020)	ND(0.0010)	NA
Carbon Disulfide		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Carbon Tetrachloride		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Chlorobenzene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Chloroethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Chloromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
cis-1,3-Dichloropropene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Dibromochloromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Dibromomethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Dichlorodifluoromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Ethyl Methacrylate		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Ethylbenzene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Iodomethane		ND(0.0050)	ND(0.0050)	ND(0.0010) J	NA
Isobutanol		ND(0.10) J	ND(0.10) J	ND(0.050) J	NA
Methacrylonitrile		ND(0.0050)	ND(0.0050)	ND(0.010)	NA
Methyl Methacrylate		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Methylene Chloride		ND(0.0050)	ND(0.0050)	ND(0.0050)	NA
Propionitrile		ND(0.010) J	ND(0.010) J	ND(0.020) J	NA
Styrene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Tetrachloroethene		ND(0.0020)	ND(0.0020)	ND(0.0010)	NA
Toluene		ND(0.0050)	0.00083 J	ND(0.0010)	NA
trans-1,2-Dichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
trans-1,3-Dichloropropene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene		ND(0.0050)	ND(0.0050)	ND(0.0050) J	NA
Trichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Trichlorofluoromethane		ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Vinyl Acetate		ND(0.0050)	ND(0.0050)	ND(0.0025) J	NA
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0010)	NA
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.0010)	NA
Total VOCs		ND(0.20)	0.00083 J	ND(0.10)	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample ID:	GMA5-5	GMA5-5	GMA5-5	GMA5-5
Laboratory:	SGS	SGS	SGS	NEA
Parameter Date Collected:	04/30/03	10/22/03	11/16/06	11/16/06
PCBs-Unfiltered				
Aroclor-1016	ND(0.000065)	ND(0.000065)	ND(0.00011) J	NA
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.00011) J	NA
Aroclor-1232	ND(0.000065)	ND(0.000065)	ND(0.00011) J	NA
Aroclor-1242	ND(0.000065)	ND(0.000065)	ND(0.00011) J	NA
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.00011) J	NA
Aroclor-1254	ND(0.000065)	0.000049 J	ND(0.00011) J	NA
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.00011) J	NA
Total PCBs	ND(0.000065)	0.000049 J	ND(0.00011) J	NA
PCBs-Filtered				
Aroclor-1016	ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1232	ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1242	ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1254	ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Total PCBs	ND(0.000065)	ND(0.000065)	ND(0.00011)	ND(0.000022)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.040)	ND(0.010)	NA
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
1,2-Dichlorobenzene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
1,2-Diphenylhydrazine	ND(0.010)	ND(0.040)	ND(0.010)	NA
1,3,5-Trinitrobenzene	ND(0.010)	ND(0.040) J	ND(0.050)	NA
1,3-Dichlorobenzene	ND(0.010)	ND(0.040)	ND(0.010)	NA
1,3-Dinitrobenzene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
1,4-Dichlorobenzene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
1,4-Naphthoquinone	ND(0.010)	ND(0.040)	ND(0.010)	NA
1-Naphthylamine	ND(0.010)	ND(0.040)	ND(0.050)	NA
2,3,4,6-Tetrachlorophenol	ND(0.010)	ND(0.040)	ND(0.010)	NA
2,4,5-Trichlorophenol	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2,4,6-Trichlorophenol	ND(0.010)	ND(0.040)	ND(0.010)	NA
2,4-Dichlorophenol	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2,4-Dimethylphenol	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2,4-Dinitrophenol	ND(0.050) J	ND(0.20)	ND(0.050) J	NA
2,4-Dinitrotoluene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2,6-Dichlorophenol	ND(0.010)	ND(0.040)	ND(0.010)	NA
2,6-Dinitrotoluene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2-Acetylaminofluorene	ND(0.010)	ND(0.040)	ND(0.020)	NA
2-Chloronaphthalene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2-Chlorophenol	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2-Methylnaphthalene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2-Methylphenol	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2-Naphthylamine	ND(0.010)	ND(0.040) J	ND(0.050)	NA
2-Nitroaniline	ND(0.050)	ND(0.20)	ND(0.010) J	NA
2-Nitrophenol	ND(0.010)	ND(0.040)	ND(0.010) J	NA
2-Picoline	ND(0.010)	ND(0.040)	ND(0.010) J	NA
3&4-Methylphenol	ND(0.010)	ND(0.040)	ND(0.010) J	NA
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.080)	ND(0.020) J	NA
3,3'-Dimethylbenzidine	ND(0.010)	ND(0.040)	ND(0.050)	NA
3-Methylcholanthrene	ND(0.010)	ND(0.040) J	ND(0.010)	NA
3-Nitroaniline	ND(0.050)	ND(0.20)	ND(0.050) J	NA
4,6-Dinitro-2-methylphenol	ND(0.050) J	ND(0.050) J	ND(0.050) J	NA
4-Aminobiphenyl	ND(0.010)	ND(0.040)	ND(0.010)	NA
4-Bromophenyl-phenylether	ND(0.010)	ND(0.040)	ND(0.010) J	NA
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.040)	ND(0.010) J	NA
4-Chloroaniline	ND(0.010)	ND(0.040)	ND(0.050) J	NA
4-Chlorobenzilate	ND(0.010)	ND(0.040) J	ND(0.010)	NA
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.040)	ND(0.010) J	NA

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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID:	GMA5-5	GMA5-5	GMA5-5	GMA5-5
Laboratory:	SGS	SGS	SGS	NEA
Date Collected:	04/30/03	10/22/03	11/16/06	11/16/06
Semivolatile Organics (continued)				
4-Nitroaniline	ND(0.050)	ND(0.050)	R	NA
4-Nitrophenol	ND(0.050) J	ND(0.20)	ND(0.050) J	NA
4-Nitroquinoline-1-oxide	ND(0.010)	ND(0.040)	ND(0.050) J	NA
4-Phenylenediamine	ND(0.010)	ND(0.040) J	ND(0.020) J	NA
5-Nitro-o-toluidine	ND(0.010)	ND(0.040)	ND(0.010)	NA
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.040)	ND(0.010)	NA
a,a'-Dimethylphenethylamine	ND(0.010) J	ND(0.040)	ND(0.050) J	NA
Acenaphthene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Acenaphthylene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Acetophenone	ND(0.010)	ND(0.040)	ND(0.010)	NA
Aniline	ND(0.010)	ND(0.040)	ND(0.010)	NA
Anthracene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Aramite	ND(0.010)	ND(0.040) J	ND(0.010) J	NA
Benzidine	ND(0.020)	ND(0.080)	ND(0.020) J	NA
Benzo(a)anthracene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Benzo(a)pyrene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Benzo(b)fluoranthene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Benzo(g,h,i)perylene	ND(0.010)	ND(0.040)	R	NA
Benzo(k)fluoranthene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Benzyl Alcohol	ND(0.020)	ND(0.080)	ND(0.020) J	NA
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.040)	ND(0.010) J	NA
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.040)	ND(0.010) J	NA
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.040)	ND(0.010) J	NA
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.020)	ND(0.010) J	NA
Butylbenzylphthalate	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Chrysene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Diallate	ND(0.010)	ND(0.040)	ND(0.010)	NA
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.040)	R	NA
Dibenzofuran	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Diethylphthalate	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Dimethylphthalate	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Di-n-Butylphthalate	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Di-n-Octylphthalate	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Diphenylamine	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Ethyl Methanesulfonate	ND(0.010) J	ND(0.040)	ND(0.010)	NA
Fluoranthene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Fluorene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Hexachlorobenzene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Hexachlorobutadiene	ND(0.0010)	ND(0.0010)	ND(0.010) J	NA
Hexachlorocyclopentadiene	ND(0.010) J	ND(0.040) J	ND(0.020) J	NA
Hexachloroethane	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Hexachlorophene	ND(0.020) J	ND(0.080) J	ND(0.010) J	NA
Hexachloropropene	ND(0.010)	ND(0.040) J	ND(0.020)	NA
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Isodrin	ND(0.010)	ND(0.040)	ND(0.010)	NA
Isophorone	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Isosafrole	ND(0.010)	ND(0.040)	ND(0.010)	NA
Methapyrilene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Methyl Methanesulfonate	ND(0.010)	ND(0.040)	ND(0.010)	NA
Naphthalene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
Nitrobenzene	ND(0.010)	ND(0.040)	ND(0.010) J	NA
N-Nitrosodiethylamine	ND(0.010)	ND(0.040)	ND(0.010)	NA
N-Nitrosodimethylamine	ND(0.010)	ND(0.040)	ND(0.010)	NA
N-Nitroso-di-n-butylamine	ND(0.010) J	ND(0.040)	ND(0.010)	NA
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.040)	ND(0.010) J	NA
N-Nitrosodiphenylamine	ND(0.010)	ND(0.040)	ND(0.010)	NA
N-Nitrosomethylethylamine	ND(0.010)	ND(0.040)	ND(0.010)	NA
N-Nitrosomorpholine	ND(0.010)	ND(0.040) J	ND(0.010)	NA
N-Nitrosopiperidine	ND(0.010)	ND(0.040)	ND(0.010)	NA

Table D-1
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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-5 SGS 04/30/03	GMA5-5 SGS 10/22/03	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06
Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		ND(0.010)	ND(0.040) J	ND(0.010)	NA
o,o,o-Triethylphosphorothioate		ND(0.010)	ND(0.040)	ND(0.010)	NA
o-Toluidine		ND(0.010)	ND(0.040)	ND(0.010)	NA
p-Dimethylaminoazobenzene		ND(0.010)	ND(0.040)	ND(0.010)	NA
Pentachlorobenzene		ND(0.010)	ND(0.040)	ND(0.010)	NA
Pentachloroethane		ND(0.010)	ND(0.040)	ND(0.010)	NA
Pentachloronitrobenzene		ND(0.010)	ND(0.040) J	ND(0.010)	NA
Pentachlorophenol		ND(0.050)	ND(0.20)	ND(0.050) J	NA
Phenacetin		ND(0.010)	ND(0.040)	ND(0.010)	NA
Phenanthrene		ND(0.010)	ND(0.040)	ND(0.010) J	NA
Phenol		ND(0.010)	ND(0.040)	ND(0.010) J	NA
Pronamide		ND(0.010)	ND(0.040)	ND(0.010)	NA
Pyrene		ND(0.010)	ND(0.040)	ND(0.010) J	NA
Pyridine		ND(0.010)	ND(0.040)	ND(0.010) J	NA
Safrole		ND(0.010)	ND(0.040)	ND(0.010)	NA
Thionazin		ND(0.010)	ND(0.040) J	ND(0.020)	NA
Organochlorine Pesticides					
4,4'-DDD		ND(0.00010)	NA	ND(0.00030)	NA
4,4'-DDE		ND(0.00010)	NA	ND(0.00030) J	NA
4,4'-DDT		ND(0.00010)	NA	ND(0.00030)	NA
Aldrin		ND(0.000050)	NA	ND(0.00030)	NA
Alpha-BHC		ND(0.000050)	NA	ND(0.00030)	NA
Alpha-Chlordane		ND(0.000050)	NA	ND(0.00030)	NA
Beta-BHC		ND(0.000050)	NA	ND(0.00030)	NA
Delta-BHC		ND(0.000050)	NA	ND(0.00030)	NA
Dieldrin		ND(0.00010)	NA	ND(0.00030)	NA
Endosulfan I		ND(0.00010)	NA	ND(0.00030)	NA
Endosulfan II		ND(0.00010)	NA	ND(0.00030)	NA
Endosulfan Sulfate		ND(0.00010)	NA	ND(0.00030)	NA
Endrin		ND(0.00010)	NA	ND(0.00030)	NA
Endrin Aldehyde		ND(0.00010)	NA	ND(0.00030)	NA
Endrin Ketone		ND(0.00010)	NA	ND(0.00030)	NA
Gamma-BHC (Lindane)		ND(0.000050)	NA	ND(0.00030)	NA
Gamma-Chlordane		ND(0.000050)	NA	ND(0.00030)	NA
Heptachlor		ND(0.000050)	NA	ND(0.00030)	NA
Heptachlor Epoxide		ND(0.000050)	NA	ND(0.00030)	NA
Kepone		ND(0.050)	NA	ND(0.010)	NA
Methoxychlor		ND(0.00050)	NA	ND(0.00030)	NA
Technical Chlordane		ND(0.00050)	NA	ND(0.00050)	NA
Toxaphene		ND(0.0010)	NA	ND(0.0010)	NA
Organophosphate Pesticides					
Dimethoate		ND(0.050)	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	ND(0.0010)	NA
2,4,5-TP		ND(0.0020)	NA	ND(0.0010)	NA
2,4-D		ND(0.010)	NA	ND(0.0010)	NA
Dinoseb		ND(0.0010)	NA	ND(0.010)	NA

Table D-1
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-5 SGS 04/30/03	GMA5-5 SGS 10/22/03	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06
Furans					
2,3,7,8-TCDF		ND(0.0000000078)	ND(0.0000000015)	ND(0.0000000011)	NA
TCDFs (total)		ND(0.0000000078)	ND(0.0000000015)	ND(0.0000000011)	NA
1,2,3,7,8-PeCDF		ND(0.0000000061) X	ND(0.0000000013)	ND(0.0000000054)	NA
2,3,4,7,8-PeCDF		0.0000000035 J	ND(0.0000000013)	ND(0.0000000054)	NA
PeCDFs (total)		0.0000000035	ND(0.0000000013)	ND(0.0000000054)	NA
1,2,3,4,7,8-HxCDF		ND(0.0000000049)	ND(0.0000000010)	ND(0.0000000054)	NA
1,2,3,6,7,8-HxCDF		ND(0.0000000044)	ND(0.0000000010)	ND(0.0000000054)	NA
1,2,3,7,8,9-HxCDF		ND(0.0000000059)	ND(0.0000000013)	ND(0.0000000054)	NA
2,3,4,6,7,8-HxCDF		ND(0.0000000048)	ND(0.0000000011)	ND(0.0000000054)	NA
HxCDFs (total)		ND(0.0000000050)	ND(0.0000000010)	ND(0.0000000054)	NA
1,2,3,4,6,7,8-HpCDF		ND(0.0000000051)	ND(0.0000000013)	ND(0.0000000054)	NA
1,2,3,4,7,8,9-HpCDF		ND(0.0000000068)	ND(0.0000000016)	ND(0.0000000054)	NA
HpCDFs (total)		ND(0.0000000058)	ND(0.0000000013)	ND(0.0000000054)	NA
OCDF		ND(0.000000028)	ND(0.0000000013)	ND(0.000000011)	NA
Dioxins					
2,3,7,8-TCDD		ND(0.0000000058)	ND(0.0000000012)	ND(0.0000000011)	NA
TCDDs (total)		ND(0.000000012)	ND(0.0000000012)	ND(0.0000000011)	NA
1,2,3,7,8-PeCDD		ND(0.0000000068)	ND(0.0000000013)	ND(0.0000000054)	NA
PeCDDs (total)		ND(0.0000000068)	ND(0.0000000013)	ND(0.0000000054)	NA
1,2,3,4,7,8-HxCDD		ND(0.0000000074)	ND(0.0000000013)	ND(0.0000000054)	NA
1,2,3,6,7,8-HxCDD		ND(0.0000000066)	ND(0.0000000012)	ND(0.0000000054)	NA
1,2,3,7,8,9-HxCDD		ND(0.0000000073)	ND(0.0000000012)	ND(0.0000000054)	NA
HxCDDs (total)		ND(0.0000000071)	ND(0.0000000012)	ND(0.0000000054)	NA
1,2,3,4,6,7,8-HpCDD		ND(0.0000000093)	ND(0.00000000082)	ND(0.0000000054)	NA
HpCDDs (total)		ND(0.0000000093)	ND(0.00000000082)	ND(0.0000000054)	NA
OCDD		ND(0.000000033)	ND(0.000000019)	ND(0.000000011)	NA
Total TEQs (WHO TEFs)		0.000000011	0.0000000021	0.0000000067	NA
Inorganics-Unfiltered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0400)	NA
Arsenic		ND(0.0100) J	ND(0.010)	ND(0.0100) J	NA
Barium		0.270	0.380	0.0189 B	NA
Beryllium		ND(0.00100)	ND(0.00100)	0.00206 B	NA
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Chromium		0.00300 B	0.00230 B	0.00230 B	NA
Cobalt		0.00460 B	0.00340 B	ND(0.0100)	NA
Copper		ND(0.025)	ND(0.0250)	ND(0.200) J	NA
Cyanide		0.00340 B	0.00260 B	ND(0.0100)	NA
Lead		ND(0.00300) J	ND(0.00300)	ND(0.0100) J	NA
Mercury		ND(0.00020)	ND(0.000200)	ND(0.000285)	NA
Nickel		0.00630 B	0.00540 B	ND(0.0500)	NA
Selenium		ND(0.00500) J	ND(0.00500) J	ND(0.0200) J	NA
Silver		0.00140 B	0.00120 B	ND(0.0100)	NA
Sulfide		ND(5.00)	ND(5.00)	ND(1.00)	NA
Thallium		ND(0.0100) J	ND(0.0100)	ND(0.0100) J	NA
Tin		ND(0.0300)	ND(0.0300)	ND(0.100)	NA
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Zinc		ND(0.0200) J	ND(0.0200) J	ND(0.0500) J	NA

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-5 SGS 04/30/03	GMA5-5 SGS 10/22/03	GMA5-5 SGS 11/16/06	GMA5-5 NEA 11/16/06
Inorganics-Filtered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0400)	NA
Arsenic		ND(0.0100) J	ND(0.010)	ND(0.0100) J	NA
Barium		0.190 B	0.240	0.0156 B	NA
Beryllium		ND(0.00100)	ND(0.00100)	0.00591 B	NA
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Chromium		0.00170 B	0.00200 B	0.00104 B	NA
Cobalt		0.00600 B	0.00340 B	ND(0.0100)	NA
Copper		ND(0.025)	0.00200 B	ND(0.200) J	NA
Cyanide		0.00270 B	ND(0.0100)	ND(0.0100)	NA
Cyanide-MADEP (PAC)		NA	NA	ND(0.0100)	NA
Lead		ND(0.00300) J	0.00180 B	0.00326 J	NA
Mercury		ND(0.00020)	ND(0.000200)	ND(0.000285)	NA
Nickel		0.00300 B	0.00450 B	ND(0.0500)	NA
Selenium		ND(0.00500) J	ND(0.00500) J	ND(0.0200) J	NA
Silver		ND(0.00500)	0.00180 B	ND(0.0100)	NA
Thallium		ND(0.0100) J	ND(0.0100)	ND(0.0100) J	NA
Tin		ND(0.0300)	ND(0.0300)	ND(0.100)	NA
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Zinc		ND(0.0200) J	ND(0.0200) J	ND(0.0500) J	NA

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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 04/16/02	GMA5-6 SGS 10/17/02	GMA5-6 SGS 04/29/03	GMA5-6 SGS 10/21/03
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)	ND(0.20)	ND(0.20) J
2-Butanone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
2-Chloro-1,3-butadiene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether		ND (0.0050) J	ND(0.0050)	ND(0.0050) J	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)	ND(0.010)	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)
Acrylonitrile		ND (0.0050) J	ND(0.0050) J	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)	ND(0.0050)	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)	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) J	ND(0.010)	ND(0.010) J	ND(0.010) J
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)	ND(0.0050)	0.0013 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)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs		ND(0.20)	ND(0.20)	ND(0.20)	0.0013 J

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PCBs-Unfiltered					
Aroclor-1016		ND(0.000065) J	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.000065) J	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.000065) J	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.000065) J	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.000065) J	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254		0.000067 J	ND(0.000065)	0.00014	0.00014
Aroclor-1260		ND(0.000065) J	ND(0.000065)	ND(0.000065)	0.000079
Total PCBs		0.000067 J	ND(0.000065)	0.00014	0.000219
PCBs-Filtered					
Aroclor-1016		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254		ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000073
Aroclor-1260		ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000021 J
Total PCBs		ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000094
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
1,2,4-Trichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,2-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,2-Diphenylhydrazine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,3,5-Trinitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
1,3-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,3-Dinitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,4-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1,4-Naphthoquinone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
1-Naphthylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,3,4,6-Tetrachlorophenol		ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.040)
2,4,5-Trichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4,6-Trichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dimethylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,4-Dinitrophenol		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
2,4-Dinitrotoluene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
2,6-Dichlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2,6-Dinitrotoluene		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.040)
2-Acetylaminofluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Chloronaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Chlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Methylnaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Naphthylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
2-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
2-Nitrophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
2-Picoline		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3&4-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3,3'-Dichlorobenzidine		ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.080)
3,3'-Dimethylbenzidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
3-Methylcholanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
3-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.20)
4,6-Dinitro-2-methylphenol		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.050) J
4-Aminobiphenyl		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Bromophenyl-phenylether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Chloro-3-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
4-Chloroaniline		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
4-Chlorobenzilate		ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.040) J
4-Chlorophenyl-phenylether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 04/16/02	GMA5-6 SGS 10/17/02	GMA5-6 SGS 04/29/03	GMA5-6 SGS 10/21/03
Semivolatile Organics (continued)					
4-Nitroaniline		ND(0.050)	ND(0.050)	ND(0.050) J	ND(0.050)
4-Nitrophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)
4-Nitroquinoline-1-oxide		ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.040)
4-Phenylenediamine		ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.040) J
5-Nitro-o-toluidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
7,12-Dimethylbenz(a)anthracene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
a,a'-Dimethylphenethylamine		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.040)
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Acenaphthylene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Acetophenone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Aniline		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Aramite		ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.040) J
Benzidine		ND(0.020)	ND(0.020)	ND(0.020)	ND(0.080)
Benzo(a)anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(a)pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(b)fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(g,h,i)perylene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzo(k)fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Benzyl Alcohol		ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.080)
bis(2-Chloroethoxy)methane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
bis(2-Chloroethyl)ether		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
bis(2-Chloroisopropyl)ether		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
bis(2-Ethylhexyl)phthalate		ND(0.0060)	ND(0.0060)	ND(0.0060) J	ND(0.020)
Butylbenzylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Chrysene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diallate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dibenzo(a,h)anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dibenzofuran		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diethylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Dimethylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Di-n-Butylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Di-n-Octylphthalate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Diphenylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Ethyl Methanesulfonate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Fluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorobutadiene		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
Hexachloroethane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Hexachlorophene		ND(0.020)	ND(0.020) J	ND(0.020)	ND(0.080) J
Hexachloropropene		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.040) J
Indeno(1,2,3-cd)pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isodrin		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isophorone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Isosafrole		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Methapyrilene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Methyl Methanesulfonate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Naphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Nitrobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodiethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodimethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitroso-di-n-butylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitroso-di-n-propylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosodiphenylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosomethylethylamine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
N-Nitrosomorpholine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040) J
N-Nitrosopiperidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)

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(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 04/16/02	GMA5-6 SGS 10/17/02	GMA5-6 SGS 04/29/03	GMA5-6 SGS 10/21/03
Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
o,o,o-Triethylphosphorothioate		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
o-Toluidine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
p-Dimethylaminoazobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pentachlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Pentachloroethane		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pentachloronitrobenzene		ND(0.010) J	ND(0.010)	ND(0.010) J	ND(0.040) J
Pentachlorophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)
Phenacetin		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040)
Phenanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Phenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pronamide		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Pyridine		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Safrole		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)
Thionazin		ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.040) J
Organochlorine Pesticides					
4,4'-DDD		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
4,4'-DDE		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
4,4'-DDT		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Aldrin		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Alpha-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Alpha-Chlordane		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Beta-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Delta-BHC		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Dieldrin		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan I		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan II		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endosulfan Sulfate		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin Aldehyde		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Endrin Ketone		ND(0.00010)	ND(0.00010)	ND(0.00010)	NA
Gamma-BHC (Lindane)		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Gamma-Chlordane		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Heptachlor		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Heptachlor Epoxide		ND(0.000050)	ND(0.000050)	ND(0.000050)	NA
Kepone		ND(0.050)	ND(0.050)	ND(0.050)	NA
Methoxychlor		ND(0.00050)	ND(0.00050)	ND(0.00050)	NA
Technical Chlordane		ND(0.00050)	ND(0.00050)	ND(0.00050)	NA
Toxaphene		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Organophosphate Pesticides					
Dimethoate		ND(0.050)	ND(0.050)	ND(0.050)	NA
Disulfoton		ND(0.010)	ND(0.010)	ND(0.010)	NA
Ethyl Parathion		ND(0.010)	ND(0.010)	ND(0.010)	NA
Famphur		ND(0.050)	ND(0.050)	ND(0.050)	NA
Methyl Parathion		ND(0.010)	ND(0.010)	ND(0.010)	NA
Phorate		ND(0.010)	ND(0.010)	ND(0.010)	NA
Sulfotep		ND(0.010)	ND(0.010)	ND(0.010)	NA
Herbicides					
2,4,5-T		ND(0.0020)	ND(0.0020)	R	NA
2,4,5-TP		ND(0.0020)	ND(0.0020)	R	NA
2,4-D		ND(0.010)	ND(0.010)	R	NA
Dinoseb		ND(0.0010)	ND(0.0010)	R	NA

Table D-1
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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 04/16/02	GMA5-6 SGS 10/17/02	GMA5-6 SGS 04/29/03	GMA5-6 SGS 10/21/03
Furans					
2,3,7,8-TCDF		ND(0.0000000033) J	ND(0.0000000032)	ND(0.0000000052)	ND(0.0000000018)
TCDFs (total)		ND(0.000000026) XJ	ND(0.0000000032)	ND(0.0000000052)	ND(0.0000000018)
1,2,3,7,8-PeCDF		ND(0.0000000064) XJ	ND(0.0000000025)	0.0000000088 J	ND(0.0000000016)
2,3,4,7,8-PeCDF		ND(0.0000000035) J	ND(0.0000000025)	0.0000000084 J	ND(0.0000000017)
PeCDFs (total)		ND(0.0000000064) XJ	ND(0.0000000025)	0.000000017	ND(0.0000000016)
1,2,3,4,7,8-HxCDF		ND(0.0000000049) X	ND(0.0000000028)	0.0000000076 J	0.000000021 I
1,2,3,6,7,8-HxCDF		0.0000000047 J	ND(0.0000000025)	0.0000000074 J	ND(0.0000000011)
1,2,3,7,8,9-HxCDF		0.0000000073 JB	ND(0.0000000031)	0.0000000088 J	ND(0.0000000015)
2,3,4,6,7,8-HxCDF		0.0000000030 J	ND(0.0000000028)	0.0000000055 J	ND(0.0000000013)
HxCDFs (total)		ND(0.000000015)	ND(0.0000000028)	0.000000029	0.000000021
1,2,3,4,6,7,8-HpCDF		0.0000000072 J	ND(0.0000000046) X	0.0000000066 J	ND(0.0000000034) X
1,2,3,4,7,8,9-HpCDF		ND(0.0000000039)	ND(0.0000000028)	0.0000000054 J	ND(0.00000000087)
HpCDFs (total)		0.0000000072	0.0000000032	0.000000012	ND(0.00000000067)
OCDF		ND(0.000000014) X	ND(0.0000000070)	ND(0.000000024)	ND(0.000000011)
Dioxins					
2,3,7,8-TCDD		ND(0.0000000042) J	ND(0.0000000047)	ND(0.0000000081)	ND(0.0000000017)
TCDDs (total)		ND(0.0000000042) J	ND(0.0000000047)	ND(0.0000000081)	ND(0.0000000017)
1,2,3,7,8-PeCDD		ND(0.0000000042) J	ND(0.0000000026)	ND(0.0000000094) X	ND(0.0000000026)
PeCDDs (total)		ND(0.0000000042) J	ND(0.0000000030)	ND(0.0000000054)	ND(0.0000000026)
1,2,3,4,7,8-HxCDD		ND(0.0000000034)	ND(0.0000000061)	0.0000000072 J	ND(0.0000000018)
1,2,3,6,7,8-HxCDD		ND(0.0000000034)	ND(0.0000000054)	ND(0.0000000073) X	ND(0.0000000016)
1,2,3,7,8,9-HxCDD		ND(0.0000000039)	ND(0.0000000055)	0.0000000070 J	ND(0.0000000016)
HxCDDs (total)		ND(0.0000000035)	ND(0.0000000056)	0.000000014	ND(0.0000000016)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000055) X	ND(0.0000000043)	ND(0.0000000069) X	0.0000000033
HpCDDs (total)		ND(0.0000000055) X	ND(0.0000000043)	ND(0.0000000059)	0.0000000033
OCDD		0.000000022 J	0.000000018 J	ND(0.000000026)	ND(0.000000028)
Total TEQs (WHO TEFs)		0.0000000078	0.0000000060	0.000000019	0.0000000053
Inorganics-Unfiltered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100) J	0.0110
Barium		ND(0.200)	0.0280 B	0.0910 B	0.160 B
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.00500)	ND(0.00500)	0.00140 B	ND(0.00500)
Chromium		ND(0.0100)	ND(0.0100)	0.00880 B	0.00150 B
Cobalt		ND(0.0500)	ND(0.0500)	0.00180 B	0.00560 B
Copper		ND(0.0250)	ND(0.0250)	ND(0.025)	0.00560 B
Cyanide		0.00620 B	0.00600 B	0.00370 B	0.00400 B
Lead		ND (0.0030) J	ND(0.00300)	ND(0.00300) J	0.00190 B
Mercury		ND(0.000200)	0.000890	ND(0.00020)	0.000350
Nickel		ND(0.0400)	ND(0.0400)	0.00890 B	0.00150 B
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver		ND(0.00500)	ND(0.00500)	0.00180 B	ND(0.00500)
Sulfide		ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium		ND (0.010) J	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Tin		ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	0.00190 B	0.00710 B
Zinc		0.0110 B	0.0120 J	0.27 J	0.380

Table D-1
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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:				
	Sample ID:	GMA5-6	GMA5-6	GMA5-6	GMA5-6
	Laboratory:	SGS	SGS	SGS	SGS
Parameter	Date Collected:	04/16/02	10/17/02	04/29/03	10/21/03
Inorganics-Filtered					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Barium		ND(0.200)	0.0290 B	0.0710 B	0.130 B
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.0100)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		ND(0.0250)	ND(0.0100)	0.00140 B	ND(0.0100)
Cobalt		ND(0.0500)	ND(0.0500)	0.00130 B	0.00520 B
Copper		ND(0.100)	ND(0.0250)	ND(0.025)	0.00310 B
Cyanide		NA	ND(0.0100)	0.00400 B	0.00270 B
Cyanide-MADEP (PAC)		NA	NA	NA	NA
Lead		ND (0.0030) J	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury		ND(0.000200)	0.000900	ND(0.00020)	ND(0.000200)
Nickel		ND(0.0400)	ND(0.0400)	ND(0.0400)	0.00220 B
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium		ND (0.010) J	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Tin		ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		0.0110 B	ND(0.0200) J	0.27 J	0.290

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General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06	GMA5-7 SGS 04/16/02	GMA5-7 SGS 10/17/02
Volatile Organics					
1,1,1,2-Tetrachloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane		ND(0.0050) J [ND(0.0050) J]	NA	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
1,4-Dioxane		ND(0.10) J [ND(0.10) J]	NA	ND(0.20) J	ND(0.20)
2-Butanone		ND(0.0050) [ND(0.0050)]	NA	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether		ND(0.013) J [ND(0.013) J]	NA	ND (0.0050) J	ND(0.0050)
2-Hexanone		ND(0.0050) [ND(0.0050)]	NA	ND(0.010)	ND(0.010)
3-Chloropropene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone		ND(0.0050) [ND(0.0050)]	NA	ND(0.010)	ND(0.010)
Acetone		ND(0.0050) J [ND(0.0050) J]	NA	ND (0.010) J	ND(0.010)
Acetonitrile		ND(0.020) J [ND(0.020) J]	NA	ND (0.10) J	ND(0.10) J
Acrolein		ND(0.025) J [ND(0.025) J]	NA	ND (0.10) J	ND(0.10) J
Acrylonitrile		ND(0.025) J [ND(0.025) J]	NA	ND (0.0050) J	ND(0.0050) J
Benzene		0.00023 J [0.00023 J]	NA	ND(0.0050)	ND(0.0050)
Bromodichloromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Bromoform		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Bromomethane		ND(0.0010) J [ND(0.0010) J]	NA	ND(0.0020)	ND(0.0020)
Carbon Disulfide		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Chlorobenzene		0.00028 J [0.00032 J]	NA	ND(0.0050)	ND(0.0050)
Chloroethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Chloroform		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Chloromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Dibromochloromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Dibromomethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Ethylbenzene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Iodomethane		ND(0.0010) J [ND(0.0010) J]	NA	ND(0.0050)	ND(0.0050)
Isobutanol		ND(0.050) J [ND(0.050) J]	NA	ND (0.10) J	ND(0.10)
Methacrylonitrile		ND(0.010) [ND(0.010)]	NA	ND(0.0050)	ND(0.0050)
Methyl Methacrylate		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Methylene Chloride		ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	ND(0.0050)
Propionitrile		ND(0.020) J [ND(0.020) J]	NA	ND (0.010) J	ND(0.010)
Styrene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0010) [ND(0.0010)]	NA	0.018	0.0045
Toluene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene		ND(0.0050) J [ND(0.0050) J]	NA	ND(0.0050)	ND(0.0050)
Trichloroethene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane		ND(0.0010) [ND(0.0010)]	NA	ND(0.0050)	ND(0.0050)
Vinyl Acetate		ND(0.0025) J [ND(0.0025) J]	NA	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0010) [ND(0.0010)]	NA	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.0010) [ND(0.0010)]	NA	ND(0.010)	ND(0.010)
Total VOCs		0.00051 J [0.00055 J]	NA	0.018	0.0045

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06	GMA5-7 SGS 04/16/02	GMA5-7 SGS 10/17/02
PCBs-Unfiltered					
Aroclor-1016		ND(0.00011) [ND(0.00011)]	NA	ND(0.00025) J	ND(0.000065)
Aroclor-1221		ND(0.00011) [ND(0.00011)]	NA	ND(0.00025) J	ND(0.000065)
Aroclor-1232		ND(0.00011) [ND(0.00011)]	NA	ND(0.00025) J	ND(0.000065)
Aroclor-1242		ND(0.00011) [ND(0.00011)]	NA	ND(0.00025) J	ND(0.000065)
Aroclor-1248		ND(0.00011) [ND(0.00011)]	NA	ND(0.00025) J	ND(0.000065)
Aroclor-1254		ND(0.00011) [ND(0.00011)]	NA	0.000062 J	0.000027 J
Aroclor-1260		0.00011 [0.00012]	NA	0.000031 J	ND(0.000065)
Total PCBs		0.00011 [0.00012]	NA	0.000093 J	0.000027 J
PCBs-Filtered					
Aroclor-1016		ND(0.00011) [ND(0.00011)]	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.00011) [ND(0.00011)]	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1232		ND(0.00011) [ND(0.00011)]	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1242		ND(0.00011) [ND(0.00011)]	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1248		ND(0.00011) [ND(0.00011)]	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1254		ND(0.00011) [ND(0.00011)]	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1260		ND(0.00011) [ND(0.00011)]	ND(0.000022)	ND(0.000065)	ND(0.000065)
Total PCBs		ND(0.00011) [ND(0.00011)]	ND(0.000022)	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		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene		ND(0.050) [ND(0.050)]	NA	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene		ND(0.010) [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		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
1,4-Naphthoquinone		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
1-Naphthylamine		ND(0.050) [ND(0.050)]	NA	ND(0.010)	ND(0.010)
2,3,4,6-Tetrachlorophenol		ND(0.010) [ND(0.010)]	NA	ND(0.010) J	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) [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) J	ND(0.010)
2-Acetylaminofluorene		ND(0.020) [ND(0.020)]	NA	ND(0.010)	ND(0.010)
2-Chloronaphthalene		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
2-Chlorophenol		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
2-Methylnaphthalene		ND(0.010) [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(0.050) [ND(0.050)]	NA	ND(0.010)	ND(0.010)
2-Nitroaniline		ND(0.010) [ND(0.010)]	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) J [ND(0.010) J]	NA	ND(0.010)	ND(0.010)
3&4-Methylphenol		ND(0.010) J [ND(0.010) J]	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(0.050) [ND(0.050)]	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)	ND(0.050)
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(0.050) [ND(0.050)]	NA	ND(0.010)	ND(0.010)
4-Chlorobenzilate		ND(0.010) [ND(0.010)]	NA	ND(0.010) J	ND(0.010)
4-Chlorophenyl-phenylether		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06	GMA5-7 SGS 04/16/02	GMA5-7 SGS 10/17/02
Semivolatile Organics (continued)					
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(0.050) J [ND(0.050) J]	NA	ND(0.010) J	ND(0.010)
4-Phenylenediamine		ND(0.020) J [ND(0.020) J]	NA	ND(0.010) J	ND(0.010) J
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(0.050) J [ND(0.050) J]	NA	ND(0.010) J	ND(0.010)
Acenaphthene		ND(0.010) [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) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Anthracene		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Aramite		ND(0.010) J [ND(0.010) J]	NA	ND(0.010) J	ND(0.010)
Benzidine		ND(0.020) J [ND(0.020) J]	NA	ND(0.020)	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)	ND(0.010)
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(0.010) [ND(0.010)]	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		ND(0.010) [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)	ND(0.010)
Ethyl Methanesulfonate		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Fluoranthene		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Fluorene		ND(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(0.010)]	NA	ND(0.0010)	ND(0.0010) J
Hexachlorocyclopentadiene		ND(0.020) [ND(0.020)]	NA	ND(0.010)	ND(0.010)
Hexachloroethane		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Hexachlorophene		ND(0.010) [ND(0.010)]	NA	ND(0.020)	ND(0.020) J
Hexachloropropene		ND(0.020) [ND(0.020)]	NA	ND(0.010) J	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) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Isosafrole		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Methapyrilene		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Methyl Methanesulfonate		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Naphthalene		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
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)
N-Nitrosopiperidine		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06	GMA5-7 SGS 04/16/02	GMA5-7 SGS 10/17/02
Semivolatile Organics (continued)					
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) J	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		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Phenol		ND(0.010) [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		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Pyridine		R [R]	NA	ND(0.010)	ND(0.010)
Safrole		ND(0.010) [ND(0.010)]	NA	ND(0.010)	ND(0.010)
Thionazin		ND(0.020) [ND(0.020)]	NA	ND(0.010)	ND(0.010)
Organochlorine Pesticides					
4,4'-DDD		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
4,4'-DDE		ND(0.00030) J [ND(0.00030) J]	NA	ND(0.00010)	ND(0.00010)
4,4'-DDT		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
Aldrin		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Alpha-BHC		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Alpha-Chlordane		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Beta-BHC		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Delta-BHC		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Dieldrin		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
Endosulfan I		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
Endosulfan II		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
Endosulfan Sulfate		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
Endrin		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
Endrin Aldehyde		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
Endrin Ketone		ND(0.00030) [ND(0.00030)]	NA	ND(0.00010)	ND(0.00010)
Gamma-BHC (Lindane)		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Gamma-Chlordane		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Heptachlor		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Heptachlor Epoxide		ND(0.00030) [ND(0.00030)]	NA	ND(0.000050)	ND(0.000050)
Kepone		ND(0.010) [ND(0.010)]	NA	ND(0.050)	ND(0.050)
Methoxychlor		ND(0.00030) [ND(0.00030)]	NA	ND(0.00050)	ND(0.00050)
Technical Chlordane		ND(0.00050) [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		NA	NA	ND(0.050)	ND(0.050)
Disulfoton		NA	NA	ND(0.010)	ND(0.010)
Ethyl Parathion		NA	NA	ND(0.010)	ND(0.010)
Famphur		NA	NA	ND(0.050)	ND(0.050)
Methyl Parathion		NA	NA	ND(0.010)	ND(0.010)
Phorate		NA	NA	ND(0.010)	ND(0.010)
Sulfotep		NA	NA	ND(0.010)	ND(0.010)
Herbicides					
2,4,5-T		ND(0.0010) [ND(0.0010)]	NA	ND(0.0020)	ND(2.0) J
2,4,5-TP		ND(0.0010) [ND(0.0010)]	NA	ND(0.0020)	ND(2.0) J
2,4-D		ND(0.0010) [ND(0.0010)]	NA	ND(0.010)	ND(10.0) J
Dinoseb		ND(0.010) [ND(0.010)]	NA	ND(0.0010)	ND(1.0) J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06	GMA5-7 SGS 04/16/02	GMA5-7 SGS 10/17/02
Furans					
2,3,7,8-TCDF		ND(0.0000000011) [ND(0.0000000011)]	NA	ND(0.0000000031)	ND(0.0000000024)
TCDFs (total)		ND(0.0000000011) [ND(0.0000000011)]	NA	0.0000000079	ND(0.0000000024)
1,2,3,7,8-PeCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	ND(0.0000000061)	ND(0.0000000024)
2,3,4,7,8-PeCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000073 J	ND(0.0000000024)
PeCDFs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	ND(0.000000013)	ND(0.0000000024)
1,2,3,4,7,8-HxCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	ND(0.0000000065)	ND(0.0000000024)
1,2,3,6,7,8-HxCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	ND(0.0000000057) X	ND(0.0000000024)
1,2,3,7,8,9-HxCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000072 JB	ND(0.0000000027)
2,3,4,6,7,8-HxCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000058 J	ND(0.0000000025)
HxCDFs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	ND(0.000000020)	ND(0.0000000024)
1,2,3,4,6,7,8-HpCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000069 J	ND(0.0000000032)
1,2,3,4,7,8,9-HpCDF		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000034 J	ND(0.0000000038)
HpCDFs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	0.000000010	ND(0.0000000035)
OCDF		ND(0.000000011) [ND(0.000000011)]	NA	0.000000026 J	ND(0.0000000057)
Dioxins					
2,3,7,8-TCDD		ND(0.0000000011) [ND(0.0000000011)]	NA	ND(0.0000000040)	ND(0.0000000033)
TCDDs (total)		ND(0.0000000011) [ND(0.0000000011)]	NA	ND(0.0000000040)	ND(0.0000000034)
1,2,3,7,8-PeCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	ND(0.0000000044)	ND(0.0000000024)
PeCDDs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	ND(0.0000000044)	ND(0.0000000033)
1,2,3,4,7,8-HxCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000061 J	ND(0.0000000050)
1,2,3,6,7,8-HxCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000054 J	ND(0.0000000044)
1,2,3,7,8,9-HxCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	ND(0.0000000040)	ND(0.0000000045)
HxCDDs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	0.000000012	ND(0.0000000046)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000069 J	ND(0.0000000053)
HpCDDs (total)		ND(0.0000000054) [ND(0.0000000053)]	NA	0.0000000069	ND(0.0000000053)
OCDD		ND(0.000000011) [ND(0.000000011)]	NA	ND(0.000000022) X	ND(0.000000011) X
Total TEQs (WHO TEFs)		0.0000000067 [0.0000000066]	NA	0.000000012	0.0000000049
Inorganics-Unfiltered					
Antimony		ND(0.0400) [ND(0.0400)]	NA	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.0100) J [0.0112 J]	NA	ND(0.0100)	ND(0.0100)
Barium		ND(0.500) J [ND(0.0500) J]	NA	ND(0.200)	0.0730 B
Beryllium		ND(0.0100) J [ND(0.0100) J]	NA	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.00815) J [ND(0.00777) J]	NA	ND(0.00500)	ND(0.0050)
Chromium		ND(0.0106) J [ND(0.0108) J]	NA	ND(0.0100)	ND(0.0100)
Cobalt		ND(0.0100) J [ND(0.0100) J]	NA	ND(0.0500)	ND(0.0500)
Copper		0.0126 B [ND(0.200)]	NA	ND(0.0250)	ND(0.0250)
Cyanide		ND(0.0100) [0.0110]	NA	0.00490 B	ND(0.0100)
Lead		ND(0.0100) [ND(0.0100)]	NA	ND (0.0030) J	0.00340
Mercury		ND(0.000285) [ND(0.000285)]	NA	ND(0.000200)	0.000160 B
Nickel		ND(0.0500) J [ND(0.0500) J]	NA	ND(0.0400)	ND(0.0400)
Selenium		ND(0.0200) J [ND(0.0200) J]	NA	ND(0.00500)	ND(0.00500)
Silver		ND(0.0100) [ND(0.0100)]	NA	ND(0.00500)	ND(0.00500)
Sulfide		ND(1.00) [ND(1.00)]	NA	ND(5.00)	ND(5.00)
Thallium		ND(0.0100) J [ND(0.0100) J]	NA	ND (0.010) J	ND(0.0100)
Tin		ND(0.100) [ND(0.100)]	NA	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500) [ND(0.0500)]	NA	ND(0.0500)	ND(0.0500)
Zinc		0.306 [0.253]	NA	0.0420	0.0200 J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-6 SGS 11/17/06	GMA5-6 NEA 11/17/06	GMA5-7 SGS 04/16/02	GMA5-7 SGS 10/17/02
Inorganics-Filtered					
Antimony		ND(0.0400) [ND(0.0400)]	NA	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.0100) J [ND(0.0100) J]	NA	ND(0.100)	ND(0.0100)
Barium		ND(0.0500) J [ND(0.0500) J]	NA	ND(0.200)	0.0700 B
Beryllium		ND(0.0100) J [ND(0.0100) J]	NA	ND(0.00100)	ND(0.00100)
Cadmium		ND(0.00669) J [ND(0.00717) J]	NA	ND(0.0100)	ND(0.00500)
Chromium		ND(0.0100) J [ND(0.0100) J]	NA	ND(0.0250)	ND(0.0100)
Cobalt		ND(0.0100) J [ND(0.0100) J]	NA	ND(0.0500)	ND(0.0500)
Copper		0.00973 B [0.00808 B]	NA	ND(0.100)	ND(0.0250)
Cyanide		ND(0.0100) [ND(0.0100)]	NA	NA	ND(0.0100)
Cyanide-MADEP (PAC)		ND(0.0100) [ND(0.0100)]	NA	NA	NA
Lead		ND(0.0100) [ND(0.0100)]	NA	ND (0.0030) J	0.00200 B
Mercury		ND(0.000285) [ND(0.000285)]	NA	ND(0.000200)	0.000170 B
Nickel		ND(0.0500) J [ND(0.0500) J]	NA	ND(0.0400)	ND(0.0400)
Selenium		ND(0.0200) J [ND(0.0200) J]	NA	ND(0.00500)	ND(0.00500)
Silver		ND(0.0100) [ND(0.0100)]	NA	ND(0.00500)	ND(0.00500)
Thallium		ND(0.0100) J [ND(0.0100) J]	NA	ND (0.010) J	ND(0.0100)
Tin		ND(0.100) [ND(0.100)]	NA	ND(0.0300)	ND(0.0300)
Vanadium		ND(0.0500) [ND(0.0500)]	NA	ND(0.0500)	ND(0.0500)
Zinc		0.257 [0.199]	NA	ND(0.0200)	ND(0.0200) J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 SGS 04/30/03	GMA5-7 SGS 05/02/03	GMA5-7 SGS 10/21/03	GMA5-7 SGS 05/11/04	GMA5-7 SGS 04/12/06
Volatile Organics						
1,1,1,2-Tetrachloroethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane		ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane		ND(0.20)	NA	ND(0.20) J	ND(0.20) J	ND(0.20) J
2-Butanone		ND(0.010)	NA	ND(0.010) J	ND(0.010) J	ND(0.010)
2-Chloro-1,3-butadiene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether		ND(0.0050) J	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone		ND(0.010)	NA	ND(0.010)	ND(0.010)	ND(0.010)
3-Chloropropene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone		ND(0.010)	NA	ND(0.010)	ND(0.010)	ND(0.010)
Acetone		0.014	NA	ND(0.010)	ND(0.010) J	ND(0.010)
Acetonitrile		ND(0.10) J	NA	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrolein		ND(0.10) J	NA	ND(0.10)	ND(0.10) J	ND(0.10)
Acrylonitrile		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromodichloromethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromomethane		ND(0.0020)	NA	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon Disulfide		ND(0.0050)	NA	ND(0.0050)	ND(0.0050) J	ND(0.0050)
Carbon Tetrachloride		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Iodomethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isobutanol		ND(0.10) J	NA	ND(0.10) J	ND(0.10) J	ND(0.10)
Methacrylonitrile		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methyl Methacrylate		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile		ND(0.010) J	NA	ND(0.010) J	ND(0.010) J	ND(0.010)
Styrene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		0.020	NA	0.024	0.034	0.062
Toluene		ND(0.0050)	NA	0.0011 J	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene		ND(0.0050)	NA	0.00082 J	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene		0.0067	NA	0.0029 J	ND(0.0050)	0.0023 J
Trichlorofluoromethane		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050) J
Vinyl Acetate		ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0020)	NA	0.0029	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.010)	NA	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs		0.041	NA	0.032 J	0.034	0.064 J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 SGS 04/30/03	GMA5-7 SGS 05/02/03	GMA5-7 SGS 10/21/03	GMA5-7 SGS 05/11/04	GMA5-7 SGS 04/12/06
PCBs-Unfiltered						
Aroclor-1016		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1221		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1232		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1242		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1248		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1254		0.00015	NA	0.00019	NA	NA
Aroclor-1260		ND(0.000065)	NA	ND(0.000065)	NA	NA
Total PCBs		0.00015	NA	0.00019	NA	NA
PCBs-Filtered						
Aroclor-1016		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1221		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1232		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1242		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1248		ND(0.000065)	NA	ND(0.000065)	NA	NA
Aroclor-1254		0.000067	NA	0.00010	NA	NA
Aroclor-1260		ND(0.000065)	NA	ND(0.000065)	NA	NA
Total PCBs		0.000067	NA	0.00010	NA	NA
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene		ND(0.010) J	NA	ND(0.040)	NA	NA
1,2,4-Trichlorobenzene		ND(0.010)	NA	ND(0.040)	ND(0.0050)	ND(0.0050)
1,2-Dichlorobenzene		ND(0.010)	NA	ND(0.040)	ND(0.0050)	ND(0.0050)
1,2-Diphenylhydrazine		ND(0.010)	NA	ND(0.040)	NA	NA
1,3,5-Trinitrobenzene		ND(0.010)	NA	ND(0.040) J	NA	NA
1,3-Dichlorobenzene		ND(0.010)	NA	ND(0.040)	ND(0.0050)	ND(0.0050)
1,3-Dinitrobenzene		ND(0.010)	NA	ND(0.040)	NA	NA
1,4-Dichlorobenzene		ND(0.010)	NA	ND(0.040)	ND(0.0050)	ND(0.0050)
1,4-Naphthoquinone		ND(0.010)	NA	ND(0.040)	NA	NA
1-Naphthylamine		ND(0.010)	NA	ND(0.040)	NA	NA
2,3,4,6-Tetrachlorophenol		ND(0.010)	NA	ND(0.040)	NA	NA
2,4,5-Trichlorophenol		ND(0.010)	NA	ND(0.040)	NA	NA
2,4,6-Trichlorophenol		ND(0.010)	NA	ND(0.040)	NA	NA
2,4-Dichlorophenol		ND(0.010)	NA	ND(0.040)	NA	NA
2,4-Dimethylphenol		ND(0.010)	NA	ND(0.040)	NA	NA
2,4-Dinitrophenol		ND(0.050) J	NA	ND(0.20)	NA	NA
2,4-Dinitrotoluene		ND(0.010) J	NA	ND(0.040)	NA	NA
2,6-Dichlorophenol		ND(0.010)	NA	ND(0.040)	NA	NA
2,6-Dinitrotoluene		ND(0.010) J	NA	ND(0.040)	NA	NA
2-Acetylaminofluorene		ND(0.010)	NA	ND(0.040)	NA	NA
2-Chloronaphthalene		ND(0.010)	NA	ND(0.040)	NA	NA
2-Chlorophenol		ND(0.010)	NA	ND(0.040)	NA	NA
2-Methylnaphthalene		ND(0.010)	NA	ND(0.040)	NA	NA
2-Methylphenol		ND(0.010)	NA	ND(0.040)	NA	NA
2-Naphthylamine		ND(0.010)	NA	ND(0.040) J	NA	NA
2-Nitroaniline		ND(0.050) J	NA	ND(0.20)	NA	NA
2-Nitrophenol		ND(0.010)	NA	ND(0.040)	NA	NA
2-Picoline		ND(0.010)	NA	ND(0.040)	NA	NA
3&4-Methylphenol		ND(0.010)	NA	ND(0.040)	NA	NA
3,3'-Dichlorobenzidine		ND(0.020) J	NA	ND(0.080)	NA	NA
3,3'-Dimethylbenzidine		ND(0.010)	NA	ND(0.040)	NA	NA
3-Methylcholanthrene		ND(0.010)	NA	ND(0.040) J	NA	NA
3-Nitroaniline		ND(0.050) J	NA	ND(0.20)	NA	NA
4,6-Dinitro-2-methylphenol		ND(0.050) J	NA	ND(0.050) J	NA	NA
4-Aminobiphenyl		ND(0.010)	NA	ND(0.040)	NA	NA
4-Bromophenyl-phenylether		ND(0.010)	NA	ND(0.040)	NA	NA
4-Chloro-3-Methylphenol		ND(0.010)	NA	ND(0.040)	NA	NA
4-Chloroaniline		ND(0.010) J	NA	ND(0.040)	NA	NA
4-Chlorobenzilate		ND(0.010)	NA	ND(0.040) J	NA	NA
4-Chlorophenyl-phenylether		ND(0.010)	NA	ND(0.040)	NA	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 SGS 04/30/03	GMA5-7 SGS 05/02/03	GMA5-7 SGS 10/21/03	GMA5-7 SGS 05/11/04	GMA5-7 SGS 04/12/06
Semivolatile Organics (continued)						
4-Nitroaniline		ND(0.050) J	NA	ND(0.050)	NA	NA
4-Nitrophenol		ND(0.050)	NA	ND(0.20)	NA	NA
4-Nitroquinoline-1-oxide		ND(0.010)	NA	ND(0.040)	NA	NA
4-Phenylenediamine		ND(0.010) J	NA	ND(0.040) J	NA	NA
5-Nitro-o-toluidine		ND(0.010)	NA	ND(0.040)	NA	NA
7,12-Dimethylbenz(a)anthracene		ND(0.010) J	NA	ND(0.040)	NA	NA
a,a'-Dimethylphenethylamine		ND(0.010) J	NA	ND(0.040)	NA	NA
Acenaphthene		ND(0.010)	NA	ND(0.040)	NA	NA
Acenaphthylene		ND(0.010)	NA	ND(0.040)	NA	NA
Acetophenone		ND(0.010)	NA	ND(0.040)	NA	NA
Aniline		ND(0.010)	NA	ND(0.040)	NA	NA
Anthracene		ND(0.010)	NA	ND(0.040)	NA	NA
Aramite		ND(0.010)	NA	ND(0.040) J	NA	NA
Benzidine		ND(0.020)	NA	ND(0.080)	NA	NA
Benzo(a)anthracene		ND(0.010)	NA	ND(0.040)	NA	NA
Benzo(a)pyrene		ND(0.010)	NA	ND(0.040)	NA	NA
Benzo(b)fluoranthene		ND(0.010)	NA	ND(0.040)	NA	NA
Benzo(g,h,i)perylene		ND(0.010)	NA	ND(0.040)	NA	NA
Benzo(k)fluoranthene		ND(0.010)	NA	ND(0.040)	NA	NA
Benzyl Alcohol		ND(0.020) J	NA	ND(0.080)	NA	NA
bis(2-Chloroethoxy)methane		ND(0.010)	NA	ND(0.040)	NA	NA
bis(2-Chloroethyl)ether		ND(0.010)	NA	ND(0.040)	NA	NA
bis(2-Chloroisopropyl)ether		ND(0.010) J	NA	ND(0.040)	NA	NA
bis(2-Ethylhexyl)phthalate		ND(0.0060) J	NA	ND(0.020)	NA	NA
Butylbenzylphthalate		ND(0.010)	NA	ND(0.040)	NA	NA
Chrysene		ND(0.010)	NA	ND(0.040)	NA	NA
Diallate		ND(0.010)	NA	ND(0.040)	NA	NA
Dibenzo(a,h)anthracene		ND(0.010)	NA	ND(0.040)	NA	NA
Dibenzofuran		ND(0.010)	NA	ND(0.040)	NA	NA
Diethylphthalate		ND(0.010)	NA	ND(0.040)	NA	NA
Dimethylphthalate		ND(0.010)	NA	ND(0.040)	NA	NA
Di-n-Butylphthalate		ND(0.010)	NA	ND(0.040)	NA	NA
Di-n-Octylphthalate		ND(0.010)	NA	ND(0.040)	NA	NA
Diphenylamine		ND(0.010)	NA	ND(0.040)	NA	NA
Ethyl Methanesulfonate		ND(0.010)	NA	ND(0.040)	NA	NA
Fluoranthene		ND(0.010)	NA	ND(0.040)	NA	NA
Fluorene		ND(0.010)	NA	ND(0.040)	NA	NA
Hexachlorobenzene		ND(0.010)	NA	ND(0.040)	NA	NA
Hexachlorobutadiene		ND(0.0010)	NA	ND(0.0010)	NA	NA
Hexachlorocyclopentadiene		ND(0.010)	NA	ND(0.040) J	NA	NA
Hexachloroethane		ND(0.010)	NA	ND(0.040)	NA	NA
Hexachlorophene		ND(0.020)	NA	ND(0.080) J	NA	NA
Hexachloropropene		ND(0.010) J	NA	ND(0.040) J	NA	NA
Indeno(1,2,3-cd)pyrene		ND(0.010)	NA	ND(0.040)	NA	NA
Isodrin		ND(0.010)	NA	ND(0.040)	NA	NA
Isophorone		ND(0.010)	NA	ND(0.040)	NA	NA
Isosafrole		ND(0.010)	NA	ND(0.040)	NA	NA
Methapyrilene		ND(0.010) J	NA	ND(0.040)	NA	NA
Methyl Methanesulfonate		ND(0.010)	NA	ND(0.040)	NA	NA
Naphthalene		ND(0.010)	NA	ND(0.040)	ND(0.0050)	ND(0.0050)
Nitrobenzene		ND(0.010)	NA	ND(0.040)	NA	NA
N-Nitrosodiethylamine		ND(0.010)	NA	ND(0.040)	NA	NA
N-Nitrosodimethylamine		ND(0.010)	NA	ND(0.040)	NA	NA
N-Nitroso-di-n-butylamine		ND(0.010)	NA	ND(0.040)	NA	NA
N-Nitroso-di-n-propylamine		ND(0.010)	NA	ND(0.040)	NA	NA
N-Nitrosodiphenylamine		ND(0.010)	NA	ND(0.040)	NA	NA
N-Nitrosomethylethylamine		ND(0.010)	NA	ND(0.040)	NA	NA
N-Nitrosomorpholine		ND(0.010)	NA	ND(0.040) J	NA	NA
N-Nitrosopiperidine		ND(0.010)	NA	ND(0.040)	NA	NA

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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 SGS 04/30/03	GMA5-7 SGS 05/02/03	GMA5-7 SGS 10/21/03	GMA5-7 SGS 05/11/04	GMA5-7 SGS 04/12/06
Semivolatile Organics (continued)						
N-Nitrosopyrrolidine		ND(0.010) J	NA	ND(0.040) J	NA	NA
o,o,o-Triethylphosphorothioate		ND(0.010)	NA	ND(0.040)	NA	NA
o-Toluidine		ND(0.010)	NA	ND(0.040)	NA	NA
p-Dimethylaminoazobenzene		ND(0.010)	NA	ND(0.040)	NA	NA
Pentachlorobenzene		ND(0.010) J	NA	ND(0.040)	NA	NA
Pentachloroethane		ND(0.010)	NA	ND(0.040)	NA	NA
Pentachloronitrobenzene		ND(0.010) J	NA	ND(0.040) J	NA	NA
Pentachlorophenol		ND(0.050)	NA	ND(0.20)	NA	NA
Phenacetin		ND(0.010) J	NA	ND(0.040)	NA	NA
Phenanthrene		ND(0.010)	NA	ND(0.040)	NA	NA
Phenol		ND(0.010)	NA	ND(0.040)	NA	NA
Pronamide		ND(0.010)	NA	ND(0.040)	NA	NA
Pyrene		ND(0.010)	NA	ND(0.040)	NA	NA
Pyridine		ND(0.010)	NA	ND(0.040)	NA	NA
Safrole		ND(0.010)	NA	ND(0.040)	NA	NA
Thionazin		ND(0.010) J	NA	ND(0.040) J	NA	NA
Organochlorine Pesticides						
4,4'-DDD		NA	ND(0.00010)	NA	NA	NA
4,4'-DDE		NA	ND(0.00010)	NA	NA	NA
4,4'-DDT		NA	ND(0.00010)	NA	NA	NA
Aldrin		NA	ND(0.000050)	NA	NA	NA
Alpha-BHC		NA	ND(0.000050)	NA	NA	NA
Alpha-Chlordane		NA	ND(0.000050)	NA	NA	NA
Beta-BHC		NA	ND(0.000050)	NA	NA	NA
Delta-BHC		NA	ND(0.000050)	NA	NA	NA
Dieldrin		NA	ND(0.00010)	NA	NA	NA
Endosulfan I		NA	ND(0.00010)	NA	NA	NA
Endosulfan II		NA	ND(0.00010)	NA	NA	NA
Endosulfan Sulfate		NA	ND(0.00010)	NA	NA	NA
Endrin		NA	ND(0.00010)	NA	NA	NA
Endrin Aldehyde		NA	ND(0.00010)	NA	NA	NA
Endrin Ketone		NA	ND(0.00010)	NA	NA	NA
Gamma-BHC (Lindane)		NA	ND(0.000050)	NA	NA	NA
Gamma-Chlordane		NA	ND(0.000050)	NA	NA	NA
Heptachlor		NA	ND(0.000050)	NA	NA	NA
Heptachlor Epoxide		NA	ND(0.000050)	NA	NA	NA
Kepone		ND(0.050)	NA	NA	NA	NA
Methoxychlor		NA	ND(0.00050)	NA	NA	NA
Technical Chlordane		NA	ND(0.00050)	NA	NA	NA
Toxaphene		NA	ND(0.0010)	NA	NA	NA
Organophosphate Pesticides						
Dimethoate		ND(0.050)	NA	NA	NA	NA
Disulfoton		ND(0.010)	NA	NA	NA	NA
Ethyl Parathion		ND(0.010)	NA	NA	NA	NA
Famphur		ND(0.050)	NA	NA	NA	NA
Methyl Parathion		ND(0.010)	NA	NA	NA	NA
Phorate		ND(0.010)	NA	NA	NA	NA
Sulfotep		ND(0.010)	NA	NA	NA	NA
Herbicides						
2,4,5-T		ND(0.0020)	NA	NA	NA	NA
2,4,5-TP		ND(0.0020)	NA	NA	NA	NA
2,4-D		ND(0.010)	NA	NA	NA	NA
Dinoseb		ND(0.0010)	NA	NA	NA	NA

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 SGS 04/30/03	GMA5-7 SGS 05/02/03	GMA5-7 SGS 10/21/03	GMA5-7 SGS 05/11/04	GMA5-7 SGS 04/12/06
Furans						
2,3,7,8-TCDF		NA	ND(0.0000000027)	ND(0.0000000014)	NA	NA
TCDFs (total)		NA	ND(0.0000000027)	ND(0.0000000014)	NA	NA
1,2,3,7,8-PeCDF		NA	ND(0.0000000018) X	ND(0.0000000013)	NA	NA
2,3,4,7,8-PeCDF		NA	ND(0.0000000017) X	ND(0.0000000014)	NA	NA
PeCDFs (total)		NA	ND(0.0000000025)	ND(0.0000000013)	NA	NA
1,2,3,4,7,8-HxCDF		NA	ND(0.0000000025)	0.0000000071 I	NA	NA
1,2,3,6,7,8-HxCDF		NA	ND(0.0000000018) X	ND(0.0000000012)	NA	NA
1,2,3,7,8,9-HxCDF		NA	ND(0.0000000025)	ND(0.0000000016)	NA	NA
2,3,4,6,7,8-HxCDF		NA	ND(0.0000000025)	ND(0.0000000013)	NA	NA
HxCDFs (total)		NA	ND(0.0000000025)	0.0000000071	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	ND(0.0000000025)	ND(0.00000000096)	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	ND(0.0000000034)	ND(0.0000000012)	NA	NA
HpCDFs (total)		NA	ND(0.0000000029)	ND(0.00000000096)	NA	NA
OCDF		NA	ND(0.0000000077)	0.0000000070	NA	NA
Dioxins						
2,3,7,8-TCDD		NA	ND(0.0000000045)	ND(0.0000000011)	NA	NA
TCDDs (total)		NA	ND(0.0000000045)	ND(0.0000000011)	NA	NA
1,2,3,7,8-PeCDD		NA	ND(0.0000000035)	ND(0.0000000014)	NA	NA
PeCDDs (total)		NA	ND(0.0000000038)	ND(0.0000000014)	NA	NA
1,2,3,4,7,8-HxCDD		NA	ND(0.0000000034)	ND(0.00000000098)	NA	NA
1,2,3,6,7,8-HxCDD		NA	ND(0.0000000030)	ND(0.00000000089)	NA	NA
1,2,3,7,8,9-HxCDD		NA	ND(0.0000000033)	ND(0.00000000089)	NA	NA
HxCDDs (total)		NA	ND(0.0000000046)	ND(0.00000000089)	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	ND(0.0000000044)	ND(0.0000000042) X	NA	NA
HpCDDs (total)		NA	ND(0.0000000044)	ND(0.0000000016)	NA	NA
OCDD		NA	0.0000000079 J	ND(0.000000045)	NA	NA
Total TEQs (WHO TEFs)		NA	0.0000000056	0.0000000028	NA	NA
Inorganics-Unfiltered						
Antimony		ND(0.0600)	NA	ND(0.060)	NA	NA
Arsenic		ND(0.0100) J	NA	ND(0.010)	NA	NA
Barium		0.110 B	NA	0.0740 B	NA	NA
Beryllium		ND(0.00100)	NA	ND(0.00100)	NA	NA
Cadmium		ND(0.00500)	NA	ND(0.00500)	NA	NA
Chromium		0.00130 B	NA	0.00110 B	NA	NA
Cobalt		ND(0.0500)	NA	ND(0.0500)	NA	NA
Copper		ND(0.025)	NA	0.00400 B	NA	NA
Cyanide		0.00260 B	NA	ND(0.0100)	NA	NA
Lead		ND(0.00300) J	NA	ND(0.00300)	NA	NA
Mercury		ND(0.00020)	NA	ND(0.000200)	NA	NA
Nickel		0.00420 B	NA	0.00230 B	NA	NA
Selenium		ND(0.00500) J	NA	ND(0.00500) J	NA	NA
Silver		0.00100 B	NA	ND(0.00500)	NA	NA
Sulfide		ND(5.00)	NA	ND(5.00)	NA	NA
Thallium		ND(0.0100) J	NA	ND(0.0100)	NA	NA
Tin		ND(0.0300)	NA	ND(0.0300)	NA	NA
Vanadium		ND(0.0500)	NA	ND(0.0500)	NA	NA
Zinc		0.0180 B	NA	ND(0.033)	NA	NA

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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 SGS 04/30/03	GMA5-7 SGS 05/02/03	GMA5-7 SGS 10/21/03	GMA5-7 SGS 05/11/04	GMA5-7 SGS 04/12/06
Inorganics-Filtered						
Antimony		ND(0.0600)	NA	ND(0.0600)	NA	NA
Arsenic		ND(0.0100) J	NA	ND(0.010)	NA	NA
Barium		0.0980 B	NA	0.0640 B	NA	NA
Beryllium		ND(0.00100)	NA	ND(0.00100)	NA	NA
Cadmium		ND(0.00500)	NA	ND(0.00500)	NA	NA
Chromium		ND(0.0100)	NA	ND(0.0100)	NA	NA
Cobalt		ND(0.0500)	NA	ND(0.0500)	NA	NA
Copper		ND(0.025)	NA	0.00410 B	NA	NA
Cyanide		ND(0.0100)	NA	ND(0.0100)	NA	NA
Cyanide-MADEP (PAC)		NA	NA	NA	NA	NA
Lead		ND(0.00300) J	NA	ND(0.00300)	NA	NA
Mercury		ND(0.00020)	NA	ND(0.000200)	NA	NA
Nickel		ND(0.0400)	NA	0.00180 B	NA	NA
Selenium		ND(0.00500) J	NA	ND(0.00500) J	NA	NA
Silver		ND(0.00500)	NA	0.00100 B	NA	NA
Thallium		ND(0.0100) J	NA	ND(0.0100)	NA	NA
Tin		ND(0.0300)	NA	ND(0.0300)	NA	NA
Vanadium		ND(0.0500)	NA	ND(0.0500)	NA	NA
Zinc		ND(0.0200)	NA	ND(0.020)	NA	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID:	GMA5-7	GMA5-7	GMA5-7	GMA5-8	GMA5-8
Laboratory:	SGS	SGS	NEA	SGS	SGS
Date Collected:	10/27/06	11/20/06	11/20/06	04/16/02	10/17/02
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050) J	NA	NA	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.10)	NA	NA	ND(0.20) J	ND(0.20)
2-Butanone	ND(0.0050)	NA	NA	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.013)	NA	NA	ND (0.0050) J	ND(0.0050)
2-Hexanone	ND(0.0050)	NA	NA	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.0050)	NA	NA	ND(0.010)	ND(0.010)
Acetone	ND(0.0050)	NA	NA	ND (0.010) J	ND(0.010)
Acetonitrile	ND(0.020)	NA	NA	ND (0.10) J	ND(0.10) J
Acrolein	ND(0.025) J	NA	NA	ND (0.10) J	ND(0.10) J
Acrylonitrile	ND(0.025)	NA	NA	ND (0.0050) J	ND(0.0050) J
Benzene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0010)	NA	NA	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.050)	NA	NA	ND (0.10) J	ND(0.10)
Methacrylonitrile	ND(0.0050)	NA	NA	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.020)	NA	NA	ND (0.010) J	ND(0.010)
Styrene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Tetrachloroethene	0.046	NA	NA	ND(0.0020)	ND(0.0020)
Toluene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	NA	NA	ND(0.0050)	ND(0.0050)
Trichloroethene	0.0023	NA	NA	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	NA	NA	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0025)	NA	NA	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0010)	NA	NA	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.0010)	NA	NA	ND(0.010)	ND(0.010)
Total VOCs	0.048	NA	NA	ND(0.20)	ND(0.20)

Table D-1
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General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 SGS 10/27/06	GMA5-7 SGS 11/20/06	GMA5-7 NEA 11/20/06	GMA5-8 SGS 04/16/02	GMA5-8 SGS 10/17/02
PCBs-Unfiltered						
Aroclor-1016		NA	ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1221		NA	ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1232		NA	ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1242		NA	ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1248		NA	ND(0.00010)	NA	ND(0.000065) J	ND(0.000065)
Aroclor-1254		NA	0.00014	NA	0.000075 J	0.000072
Aroclor-1260		NA	ND(0.00010)	NA	0.000090 J	ND(0.000065)
Total PCBs		NA	0.00014	NA	0.000165 J	0.000072
PCBs-Filtered						
Aroclor-1016		NA	ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1221		NA	ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1232		NA	ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1242		NA	ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1248		NA	ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Aroclor-1254		NA	ND(0.00011)	0.000054	0.000034 J	0.00020
Aroclor-1260		NA	ND(0.00011)	ND(0.000022)	ND(0.000065)	ND(0.000065)
Total PCBs		NA	ND(0.00011)	0.000024	0.000034 J	0.00020
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene		ND(0.0010)	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene		ND(0.0010)	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene		NA	ND(0.050)	NA	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene		ND(0.0010)	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene		ND(0.0010)	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,4-Naphthoquinone		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
1-Naphthylamine		NA	ND(0.050)	NA	ND(0.010)	ND(0.010)
2,3,4,6-Tetrachlorophenol		NA	ND(0.010)	NA	ND(0.010) J	ND(0.010)
2,4,5-Trichlorophenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dichlorophenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dimethylphenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dinitrophenol		NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,6-Dichlorophenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Acetylaminofluorene		NA	ND(0.020)	NA	ND(0.010)	ND(0.010)
2-Chloronaphthalene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Chlorophenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Methylnaphthalene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Methylphenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Naphthylamine		NA	ND(0.050)	NA	ND(0.010)	ND(0.010)
2-Nitroaniline		NA	ND(0.010)	NA	ND(0.050)	ND(0.050)
2-Nitrophenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Picoline		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
3&4-Methylphenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
3,3'-Dichlorobenzidine		NA	ND(0.020)	NA	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine		NA	ND(0.050)	NA	ND(0.010)	ND(0.010)
3-Methylcholanthrene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
3-Nitroaniline		NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol		NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Aminobiphenyl		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chloroaniline		NA	ND(0.050) J	NA	ND(0.010)	ND(0.010)
4-Chlorobenzilate		NA	ND(0.010)	NA	ND(0.010) J	ND(0.010)
4-Chlorophenyl-phenylether		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-7 SGS 10/27/06	GMA5-7 SGS 11/20/06	GMA5-7 NEA 11/20/06	GMA5-8 SGS 04/16/02	GMA5-8 SGS 10/17/02
Semivolatile Organics (continued)						
4-Nitroaniline		NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Nitrophenol		NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Nitroquinoline-1-oxide		NA	ND(0.050) J	NA	ND(0.010)	ND(0.010)
4-Phenylenediamine		NA	ND(0.020) J	NA	ND(0.010) J	ND(0.010) J
5-Nitro-o-toluidine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine		NA	ND(0.050) J	NA	ND(0.010)	ND(0.010)
Acenaphthene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Acenaphthylene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Acetophenone		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Aniline		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Anthracene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Aramite		NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010)
Benzidine		NA	ND(0.020) J	NA	ND(0.020)	ND(0.020)
Benzo(a)anthracene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(a)pyrene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzyl Alcohol		NA	ND(0.020)	NA	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate		NA	ND(0.010)	NA	ND(0.0060)	ND(0.0060)
Butylbenzylphthalate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Chrysene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diallate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dibenzofuran		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diethylphthalate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dimethylphthalate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Di-n-Butylphthalate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Di-n-Octylphthalate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diphenylamine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Fluoranthene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Fluorene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorobenzene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorobutadiene		NA	ND(0.010)	NA	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene		NA	ND(0.020)	NA	ND(0.010)	ND(0.010)
Hexachloroethane		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorophene		NA	ND(0.010)	NA	ND(0.020) J	ND(0.020) J
Hexachloropropene		NA	ND(0.020)	NA	ND(0.010) J	ND(0.010)
Indeno(1,2,3-cd)pyrene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isodrin		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isophorone		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isosafrole		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Methapyrilene		NA	ND(0.010)	NA	ND(0.010) J	ND(0.010)
Methyl Methanesulfonate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Naphthalene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Nitrobenzene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosomorpholine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosopiperidine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)

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Semivolatile Organics (continued)						
N-Nitrosopyrrolidine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
o-Toluidine		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachlorobenzene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachloroethane		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachloronitrobenzene		NA	ND(0.010)	NA	ND(0.010) J	ND(0.010)
Pentachlorophenol		NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
Phenacetin		NA	ND(0.010) J	NA	ND(0.010)	ND(0.010)
Phenanthrene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Phenol		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pronamide		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pyrene		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pyridine		NA	R	NA	ND(0.010)	ND(0.010)
Safrole		NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Thionazin		NA	ND(0.020)	NA	ND(0.010)	ND(0.010)
Organochlorine Pesticides						
4,4'-DDD		NA	ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
4,4'-DDE		NA	ND(0.00030) J	NA	ND(0.00010)	ND(0.00010)
4,4'-DDT		NA	ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Aldrin		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Alpha-BHC		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Alpha-Chlordane		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Beta-BHC		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Delta-BHC		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Dieldrin		NA	0.000020 J	NA	ND(0.00010)	ND(0.00010)
Endosulfan I		NA	ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endosulfan II		NA	ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endosulfan Sulfate		NA	ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endrin		NA	ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endrin Aldehyde		NA	ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Endrin Ketone		NA	ND(0.00030)	NA	ND(0.00010)	ND(0.00010)
Gamma-BHC (Lindane)		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Gamma-Chlordane		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Heptachlor		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Heptachlor Epoxide		NA	ND(0.00030)	NA	ND(0.000050)	ND(0.000050)
Kepone		NA	ND(0.010) J	NA	ND(0.050)	ND(0.050)
Methoxychlor		NA	ND(0.00030)	NA	ND(0.00050)	ND(0.00050)
Technical Chlordane		NA	ND(0.00050)	NA	ND(0.00050)	ND(0.00050)
Toxaphene		NA	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Organophosphate Pesticides						
Dimethoate		NA	NA	NA	ND(0.050)	ND(0.050)
Disulfoton		NA	NA	NA	ND(0.010)	ND(0.010)
Ethyl Parathion		NA	NA	NA	ND(0.010)	ND(0.010)
Famphur		NA	NA	NA	ND(0.050)	ND(0.050)
Methyl Parathion		NA	NA	NA	ND(0.010)	ND(0.010)
Phorate		NA	NA	NA	ND(0.010)	ND(0.010)
Sulfotep		NA	NA	NA	ND(0.010)	ND(0.010)
Herbicides						
2,4,5-T		NA	ND(0.0010)	NA	ND(0.0020)	ND(0.0020)
2,4,5-TP		NA	ND(0.0010)	NA	ND(0.0020)	ND(0.0020)
2,4-D		NA	ND(0.0010)	NA	ND(0.010)	ND(0.010)
Dinoseb		NA	ND(0.010)	NA	ND(0.0010)	ND(0.0010)

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Furans						
2,3,7,8-TCDF		NA	ND(0.0000000011)	NA	ND(0.00000000070)	ND(0.0000000028)
TCDFs (total)		NA	ND(0.0000000011)	NA	ND(0.000000014) X	ND(0.0000000028)
1,2,3,7,8-PeCDF		NA	ND(0.0000000055)	NA	ND(0.00000000090)	ND(0.0000000025)
2,3,4,7,8-PeCDF		NA	ND(0.0000000055)	NA	ND(0.0000000030) X	ND(0.0000000025)
PeCDFs (total)		NA	ND(0.0000000055)	NA	ND(0.000000016) X	ND(0.0000000025)
1,2,3,4,7,8-HxCDF		NA	ND(0.0000000055)	NA	0.0000000048 JB	ND(0.0000000029)
1,2,3,6,7,8-HxCDF		NA	ND(0.0000000055)	NA	ND(0.0000000031) X	ND(0.0000000025)
1,2,3,7,8,9-HxCDF		NA	ND(0.0000000055)	NA	ND(0.0000000040) X	ND(0.0000000032)
2,3,4,6,7,8-HxCDF		NA	ND(0.0000000055)	NA	0.0000000029 J	ND(0.0000000029)
HxCDFs (total)		NA	ND(0.0000000055)	NA	ND(0.000000015) X	ND(0.0000000028)
1,2,3,4,6,7,8-HpCDF		NA	ND(0.0000000055)	NA	ND(0.0000000051) X	ND(0.0000000028)
1,2,3,4,7,8,9-HpCDF		NA	ND(0.0000000055)	NA	ND(0.0000000014)	ND(0.0000000034)
HpCDFs (total)		NA	ND(0.0000000055)	NA	0.0000000047	ND(0.0000000031)
OCDF		NA	ND(0.000000011)	NA	ND(0.0000000068) X	ND(0.0000000078)
Dioxins						
2,3,7,8-TCDD		NA	ND(0.0000000011)	NA	ND(0.0000000011)	ND(0.0000000043)
TCDDs (total)		NA	ND(0.0000000011)	NA	ND(0.0000000011) X	ND(0.0000000043)
1,2,3,7,8-PeCDD		NA	ND(0.0000000055)	NA	0.0000000038 J	ND(0.0000000029)
PeCDDs (total)		NA	ND(0.0000000055)	NA	0.0000000038	ND(0.0000000029)
1,2,3,4,7,8-HxCDD		NA	ND(0.0000000055)	NA	0.0000000035 J	ND(0.0000000061)
1,2,3,6,7,8-HxCDD		NA	ND(0.0000000055)	NA	ND(0.0000000013)	ND(0.0000000054)
1,2,3,7,8,9-HxCDD		NA	ND(0.0000000055)	NA	ND(0.0000000013)	ND(0.0000000055)
HxCDDs (total)		NA	ND(0.0000000055)	NA	0.0000000035	ND(0.0000000056)
1,2,3,4,6,7,8-HpCDD		NA	ND(0.0000000055)	NA	0.0000000047 J	ND(0.0000000039)
HpCDDs (total)		NA	ND(0.0000000055)	NA	0.0000000047	ND(0.0000000039)
OCDD		NA	0.000000057 J	NA	ND(0.000000032) X	0.000000012 J
Total TEQs (WHO TEFs)		NA	0.0000000068	NA	0.0000000068	0.0000000059
Inorganics-Unfiltered						
Antimony		NA	ND(0.0400)	NA	ND(0.0600)	ND(0.0600)
Arsenic		NA	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Barium		NA	ND(0.0500) J	NA	ND(0.200)	0.0280 B
Beryllium		NA	ND(0.0100) J	NA	ND(0.00100)	ND(0.00100)
Cadmium		NA	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Chromium		NA	ND(0.0100) J	NA	ND(0.0100)	ND(0.0100)
Cobalt		NA	ND(0.0100)	NA	ND(0.0500)	ND(0.0500)
Copper		NA	ND(0.200) J	NA	ND(0.0250)	ND(0.0250)
Cyanide		NA	ND(0.0100)	NA	0.0110	0.00980 B
Lead		NA	ND(0.0100) J	NA	ND(0.00300)	ND(0.00300)
Mercury		NA	ND(0.000285)	NA	ND(0.000200)	0.000370 J
Nickel		NA	ND(0.0500) J	NA	ND(0.0400)	ND(0.0400)
Selenium		NA	0.0116 J	NA	ND(0.00500)	ND(0.00500)
Silver		NA	ND(0.0100) J	NA	ND(0.00500)	ND(0.00500)
Sulfide		NA	ND(1.00)	NA	ND(5.00)	ND(5.00)
Thallium		NA	0.00660 J	NA	ND(0.0100)	ND(0.0100)
Tin		NA	ND(0.100)	NA	ND(0.0300)	ND(0.0300)
Vanadium		NA	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc		NA	ND(0.0500) J	NA	ND(0.0200)	ND(0.0200) J

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Inorganics-Filtered						
Antimony		NA	ND(0.0400)	NA	ND(0.0600)	ND(0.0600)
Arsenic		NA	ND(0.0100)	NA	ND(0.100)	ND(0.0100)
Barium		NA	ND(0.0500) J	NA	ND(0.200)	0.0280 B
Beryllium		NA	ND(0.0100) J	NA	ND(0.00100)	ND(0.00100)
Cadmium		NA	ND(0.00500)	NA	ND(0.0100)	ND(0.00500)
Chromium		NA	ND(0.0100) J	NA	ND(0.0250)	ND(0.0100)
Cobalt		NA	ND(0.0100)	NA	ND(0.0500)	ND(0.0500)
Copper		NA	ND(0.200) J	NA	ND(0.100)	ND(0.0250)
Cyanide		NA	ND(0.0100)	NA	NA	0.00530 B
Cyanide-MADEP (PAC)		NA	ND(0.0100)	NA	NA	NA
Lead		NA	ND(0.0100) J	NA	ND(0.00300)	ND(0.00300)
Mercury		NA	ND(0.000285)	NA	ND(0.000200)	0.000410 J
Nickel		NA	ND(0.0500) J	NA	ND(0.0400)	ND(0.0400)
Selenium		NA	0.0116 J	NA	ND(0.00500)	ND(0.00500)
Silver		NA	ND(0.0100) J	NA	ND(0.00500)	ND(0.00500)
Thallium		NA	ND(0.0100) J	NA	ND(0.0100)	ND(0.0100)
Tin		NA	ND(0.100)	NA	ND(0.0300)	ND(0.0300)
Vanadium		NA	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc		NA	ND(0.0500) J	NA	0.00790 B	ND(0.0200) J

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-8 SGS 04/29/03	GMA5-8 SGS 10/22/03	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Volatile Organics					
1,1,1,2-Tetrachloroethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
1,1,1-Trichloroethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
1,1,2-Trichloroethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
1,1-Dichloroethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
1,1-Dichloroethene		ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA
1,2,3-Trichloropropane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) J	NA
1,2-Dibromoethane		ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
1,2-Dichloropropane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
1,4-Dioxane		ND(0.20) [ND(0.20)]	ND(0.20) J	ND(0.10) J	NA
2-Butanone		ND(0.010) [ND(0.010)]	ND(0.010) J	ND(0.0050)	NA
2-Chloro-1,3-butadiene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
2-Chloroethylvinylether		ND(0.0050) J [ND(0.0050) J]	ND(0.0050)	ND(0.013) J	NA
2-Hexanone		ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0050)	NA
3-Chloropropene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
4-Methyl-2-pentanone		ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0050)	NA
Acetone		0.091 [0.084]	ND(0.010)	ND(0.0050) J	NA
Acetonitrile		ND(0.10) J [ND(0.10) J]	ND(0.10) J	ND(0.020) J	NA
Acrolein		ND(0.10) J [ND(0.10) J]	ND(0.10)	ND(0.025) J	NA
Acrylonitrile		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.025) J	NA
Benzene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.00024 J	NA
Bromodichloromethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Bromoform		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Bromomethane		ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0010)	NA
Carbon Disulfide		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Carbon Tetrachloride		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Chlorobenzene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Chloroethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Chloroform		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Chloromethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
cis-1,3-Dichloropropene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Dibromochloromethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Dibromomethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Dichlorodifluoromethane		ND(0.0050) J [ND(0.0050) J]	ND(0.0050)	ND(0.0010)	NA
Ethyl Methacrylate		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Ethylbenzene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Iodomethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Isobutanol		ND(0.10) J [ND(0.10) J]	ND(0.10) J	ND(0.050) J	NA
Methacrylonitrile		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.010)	NA
Methyl Methacrylate		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Methylene Chloride		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	NA
Propionitrile		ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.020) J	NA
Styrene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Tetrachloroethene		ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0010)	NA
Toluene		ND(0.0050) [ND(0.0050)]	0.0012 J	ND(0.0010)	NA
trans-1,2-Dichloroethene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
trans-1,3-Dichloropropene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) J	NA
Trichloroethene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Trichlorofluoromethane		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0010)	NA
Vinyl Acetate		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0025) J	NA
Vinyl Chloride		ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0010)	NA
Xylenes (total)		ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0010)	NA
Total VOCs		0.091 [0.084]	0.0012 J	0.00024 J	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-8 SGS 04/29/03	GMA5-8 SGS 10/22/03	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
PCBs-Unfiltered					
Aroclor-1016		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	NA
Aroclor-1221		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	NA
Aroclor-1232		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	NA
Aroclor-1242		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	NA
Aroclor-1248		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	NA
Aroclor-1254		0.00056 [0.000078]	0.00011	0.00068	NA
Aroclor-1260		0.00025 [ND(0.000065)]	ND(0.000065)	0.00011	NA
Total PCBs		0.00081 [0.000078]	0.00011	0.00079	NA
PCBs-Filtered					
Aroclor-1016		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	ND(0.000022)
Aroclor-1221		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	ND(0.000022)
Aroclor-1232		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	ND(0.000022)
Aroclor-1242		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	ND(0.000022)
Aroclor-1248		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	ND(0.000022)
Aroclor-1254		0.000091 [0.000073]	0.000095	ND(0.00010)	ND(0.000022)
Aroclor-1260		ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.00010)	ND(0.000022)
Total PCBs		0.000091 [0.000073]	0.000095	ND(0.00010)	ND(0.000022)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.010)	NA
1,2,4-Trichlorobenzene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
1,2-Dichlorobenzene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
1,2-Diphenylhydrazine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
1,3,5-Trinitrobenzene		ND(0.010) [ND(0.010)]	ND(0.040) J	ND(0.050)	NA
1,3-Dichlorobenzene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
1,3-Dinitrobenzene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
1,4-Dichlorobenzene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
1,4-Naphthoquinone		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
1-Naphthylamine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.050)	NA
2,3,4,6-Tetrachlorophenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2,4,5-Trichlorophenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2,4,6-Trichlorophenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2,4-Dichlorophenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2,4-Dimethylphenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2,4-Dinitrophenol		ND(0.050) J [ND(0.050) J]	ND(0.20)	ND(0.050)	NA
2,4-Dinitrotoluene		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.010)	NA
2,6-Dichlorophenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2,6-Dinitrotoluene		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.010)	NA
2-Acetylaminofluorene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.020) J	NA
2-Chloronaphthalene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2-Chlorophenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2-Methylnaphthalene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2-Methylphenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2-Naphthylamine		ND(0.010) [ND(0.010)]	ND(0.040) J	ND(0.050)	NA
2-Nitroaniline		ND(0.050) J [ND(0.050) J]	ND(0.20)	ND(0.010)	NA
2-Nitrophenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
2-Picoline		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010) J	NA
3&4-Methylphenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
3,3'-Dichlorobenzidine		ND(0.020) J [ND(0.020) J]	ND(0.080)	ND(0.020)	NA
3,3'-Dimethylbenzidine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.050)	NA
3-Methylcholanthrene		ND(0.010) [ND(0.010)]	ND(0.040) J	ND(0.010)	NA
3-Nitroaniline		ND(0.050) J [ND(0.050) J]	ND(0.20)	ND(0.050) J	NA
4,6-Dinitro-2-methylphenol		ND(0.050) J [ND(0.050) J]	ND(0.050) J	ND(0.050)	NA
4-Aminobiphenyl		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
4-Bromophenyl-phenylether		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
4-Chloro-3-Methylphenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
4-Chloroaniline		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.050)	NA
4-Chlorobenzilate		ND(0.010) [ND(0.010)]	ND(0.040) J	ND(0.010)	NA
4-Chlorophenyl-phenylether		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

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Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
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Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-8 SGS 04/29/03	GMA5-8 SGS 10/22/03	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Semivolatile Organics (continued)					
4-Nitroaniline		ND(0.050) J [ND(0.050) J]	ND(0.050)	ND(0.050)	NA
4-Nitrophenol		ND(0.050) [ND(0.050)]	ND(0.20)	ND(0.050)	NA
4-Nitroquinoline-1-oxide		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.050) J	NA
4-Phenylenediamine		ND(0.010) J [ND(0.010) J]	ND(0.040) J	ND(0.020) J	NA
5-Nitro-o-toluidine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
7,12-Dimethylbenz(a)anthracene		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.010)	NA
a,a'-Dimethylphenethylamine		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.050) J	NA
Acenaphthene		ND(0.010) [ND(0.010)]	ND(0.040)	0.0041 J	NA
Acenaphthylene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Acetophenone		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Aniline		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Anthracene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Aramite		ND(0.010) [ND(0.010)]	ND(0.040) J	ND(0.010) J	NA
Benzidine		ND(0.020) [ND(0.020)]	ND(0.080)	ND(0.020) J	NA
Benzo(a)anthracene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Benzo(a)pyrene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Benzo(b)fluoranthene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Benzo(g,h,i)perylene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Benzo(k)fluoranthene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Benzyl Alcohol		ND(0.020) J [ND(0.020) J]	ND(0.080)	ND(0.020)	NA
bis(2-Chloroethoxy)methane		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
bis(2-Chloroethyl)ether		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
bis(2-Chloroisopropyl)ether		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate		ND(0.0060) J [ND(0.0060) J]	ND(0.020)	ND(0.010)	NA
Butylbenzylphthalate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Chrysene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Diallate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Dibenzo(a,h)anthracene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010) J	NA
Dibenzofuran		ND(0.010) [ND(0.010)]	ND(0.040)	0.0032 J	NA
Diethylphthalate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Dimethylphthalate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Di-n-Butylphthalate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Di-n-Octylphthalate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Diphenylamine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Ethyl Methanesulfonate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Fluoranthene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Fluorene		ND(0.010) [ND(0.010)]	ND(0.040)	0.0049 J	NA
Hexachlorobenzene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Hexachlorobutadiene		ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.010)	NA
Hexachlorocyclopentadiene		ND(0.010) [ND(0.010)]	ND(0.040) J	ND(0.020)	NA
Hexachloroethane		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Hexachlorophene		ND(0.020) [ND(0.020)]	ND(0.080) J	ND(0.010) J	NA
Hexachloropropene		ND(0.010) J [ND(0.010) J]	ND(0.040) J	ND(0.020)	NA
Indeno(1,2,3-cd)pyrene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010) J	NA
Isodrin		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Isophorone		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Isosafrole		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Methapyrilene		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.010)	NA
Methyl Methanesulfonate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Naphthalene		0.0054 J [0.0042 J]	ND(0.040)	0.0060 J	NA
Nitrobenzene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
N-Nitrosodiethylamine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
N-Nitrosodimethylamine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
N-Nitroso-di-n-butylamine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
N-Nitroso-di-n-propylamine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
N-Nitrosodiphenylamine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
N-Nitrosomethylethylamine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
N-Nitrosomorpholine		ND(0.010) [ND(0.010)]	ND(0.040) J	ND(0.010)	NA
N-Nitrosopiperidine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA

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(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-8 SGS 04/29/03	GMA5-8 SGS 10/22/03	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Semivolatile Organics (continued)					
N-Nitrosopyrrolidine		ND(0.010) J [ND(0.010) J]	ND(0.040) J	ND(0.010)	NA
o,o,o-Triethylphosphorothioate		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
o-Toluidine		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
p-Dimethylaminoazobenzene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Pentachlorobenzene		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.010)	NA
Pentachloroethane		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Pentachloronitrobenzene		ND(0.010) J [ND(0.010) J]	ND(0.040) J	ND(0.010)	NA
Pentachlorophenol		ND(0.050) [ND(0.050)]	ND(0.20)	ND(0.050)	NA
Phenacetin		ND(0.010) J [ND(0.010) J]	ND(0.040)	ND(0.010) J	NA
Phenanthrene		0.0036 J [0.0028 J]	ND(0.040)	0.0056 J	NA
Phenol		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Pronamide		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Pyrene		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Pyridine		ND(0.010) [ND(0.010)]	ND(0.040)	R	NA
Safrole		ND(0.010) [ND(0.010)]	ND(0.040)	ND(0.010)	NA
Thionazin		ND(0.010) J [ND(0.010) J]	ND(0.040) J	ND(0.020)	NA
Organochlorine Pesticides					
4,4'-DDD		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
4,4'-DDE		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
4,4'-DDT		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
Aldrin		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Alpha-BHC		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Alpha-Chlordane		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Beta-BHC		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Delta-BHC		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Dieldrin		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
Endosulfan I		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
Endosulfan II		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
Endosulfan Sulfate		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
Endrin		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
Endrin Aldehyde		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
Endrin Ketone		ND(0.00010) [ND(0.00010)]	NA	ND(0.00030)	NA
Gamma-BHC (Lindane)		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Gamma-Chlordane		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Heptachlor		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Heptachlor Epoxide		ND(0.000050) [ND(0.000050)]	NA	ND(0.00030)	NA
Kepone		ND(0.050) [ND(0.050)]	NA	ND(0.010)	NA
Methoxychlor		ND(0.00050) [ND(0.00050)]	NA	ND(0.00030)	NA
Technical Chlordane		ND(0.00050) [ND(0.00050)]	NA	ND(0.00050)	NA
Toxaphene		ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA
Organophosphate Pesticides					
Dimethoate		ND(0.050) [ND(0.050)]	NA	NA	NA
Disulfoton		ND(0.010) [ND(0.010)]	NA	NA	NA
Ethyl Parathion		ND(0.010) [ND(0.010)]	NA	NA	NA
Famphur		ND(0.050) [ND(0.050)]	NA	NA	NA
Methyl Parathion		ND(0.010) [ND(0.010)]	NA	NA	NA
Phorate		ND(0.010) [ND(0.010)]	NA	NA	NA
Sulfotep		ND(0.010) [ND(0.010)]	NA	NA	NA
Herbicides					
2,4,5-T		ND(0.0020) [ND(0.0020)]	NA	ND(0.0010)	NA
2,4,5-TP		ND(0.0020) [ND(0.0020)]	NA	ND(0.0010)	NA
2,4-D		ND(0.010) [ND(0.010)]	NA	ND(0.0010)	NA
Dinoseb		ND(0.0010) [ND(0.0010)]	NA	ND(0.010)	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-8 SGS 04/29/03	GMA5-8 SGS 10/22/03	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Furans					
2,3,7,8-TCDF		ND(0.0000000024) [ND(0.0000000020)]	ND(0.0000000012)	ND(0.0000000022)	NA
TCDFs (total)		ND(0.0000000024) [ND(0.0000000020)]	ND(0.0000000012)	0.0000000025 J	NA
1,2,3,7,8-PeCDF		ND(0.0000000025) [0.00000000063 J]	ND(0.0000000011)	ND(0.0000000050)	NA
2,3,4,7,8-PeCDF		ND(0.0000000025) [ND(0.0000000024)]	ND(0.0000000012)	ND(0.0000000050)	NA
PeCDFs (total)		ND(0.0000000025) [0.0000000014]	ND(0.0000000011)	0.000000026 J	NA
1,2,3,4,7,8-HxCDF		ND(0.0000000025) [ND(0.0000000024)]	ND(0.0000000058) X	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDF		ND(0.0000000025) [ND(0.0000000024)]	ND(0.00000000084)	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDF		ND(0.0000000025) [ND(0.0000000024)]	ND(0.0000000011)	ND(0.0000000050)	NA
2,3,4,6,7,8-HxCDF		ND(0.0000000025) [ND(0.0000000024)]	ND(0.00000000095)	ND(0.0000000050)	NA
HxCDFs (total)		ND(0.0000000025) [ND(0.0000000024)]	ND(0.00000000084)	0.000000022 J	NA
1,2,3,4,6,7,8-HpCDF		ND(0.0000000025) [ND(0.0000000024)]	0.0000000026	0.0000000069 J	NA
1,2,3,4,7,8,9-HpCDF		ND(0.0000000025) [ND(0.0000000024)]	ND(0.0000000012)	ND(0.0000000050)	NA
HpCDFs (total)		ND(0.0000000025) [ND(0.0000000024)]	0.0000000026	0.000000014 J	NA
OCDF		ND(0.0000000056) [ND(0.0000000049)]	0.0000000085	0.000000011 J	NA
Dioxins					
2,3,7,8-TCDD		ND(0.0000000036) [ND(0.0000000032)]	ND(0.0000000012)	ND(0.0000000027)	NA
TCDDs (total)		ND(0.0000000040) [ND(0.0000000032)]	ND(0.0000000012)	ND(0.0000000027)	NA
1,2,3,7,8-PeCDD		ND(0.0000000025) [ND(0.0000000024)]	ND(0.0000000016)	ND(0.0000000067) X	NA
PeCDDs (total)		ND(0.0000000037) [ND(0.0000000040)]	ND(0.0000000016)	ND(0.0000000050)	NA
1,2,3,4,7,8-HxCDD		ND(0.0000000028) [ND(0.0000000028)]	ND(0.00000000095)	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDD		ND(0.0000000025) [ND(0.0000000025)]	ND(0.00000000086)	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDD		ND(0.0000000028) [ND(0.0000000027)]	ND(0.00000000087)	ND(0.0000000050)	NA
HxCDDs (total)		ND(0.0000000042) [ND(0.0000000047)]	ND(0.00000000086)	ND(0.0000000050)	NA
1,2,3,4,6,7,8-HpCDD		0.0000000019 J [ND(0.0000000024)]	ND(0.00000000087)	0.0000000056 J	NA
HpCDDs (total)		0.0000000019 [0.0000000014]	ND(0.00000000087)	0.0000000056 J	NA
OCDD		0.0000000070 J [0.0000000048 J]	ND(0.000000028)	0.000000043 J	NA
Total TEQs (WHO TEFs)		0.0000000048 [0.0000000044]	0.0000000024	0.0000000081	NA
Inorganics-Unfiltered					
Antimony		ND(0.0600) [ND(0.0600)]	ND(0.0600)	ND(0.0400)	NA
Arsenic		ND(0.0100) [ND(0.0100)]	0.00870 B	ND(0.0100)	NA
Barium		0.0400 B [0.0400 B]	0.0750 B	ND(0.0500)	NA
Beryllium		ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.0100)	NA
Cadmium		ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500) J	NA
Chromium		0.00120 B [0.0160]	ND(0.0100)	ND(0.0100) J	NA
Cobalt		ND(0.0500) [ND(0.0500)]	ND(0.0500)	0.000800 J	NA
Copper		0.00270 B [0.00290 B]	ND(0.0250)	ND(0.200)	NA
Cyanide		ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)	NA
Lead		ND(0.00300) J [ND(0.00300) J]	ND(0.00300)	0.00591 B	NA
Mercury		ND(0.000200) [ND(0.000200)]	ND(0.000200)	ND(0.000285)	NA
Nickel		ND(0.0400) [0.00150 B]	ND(0.0400)	0.00223 J	NA
Selenium		ND(0.00500) J [ND(0.00500) J]	ND(0.00500) J	ND(0.0200) J	NA
Silver		ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.0100)	NA
Sulfide		ND(5.00) [ND(5.00)]	ND(5.00)	ND(1.00)	NA
Thallium		ND(0.0100) J [ND(0.0100) J]	ND(0.0100)	ND(0.0100) J	NA
Tin		ND(0.0300) [ND(0.0300)]	ND(0.0300)	ND(0.100)	NA
Vanadium		ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)	NA
Zinc		ND(0.037) [ND(0.0027)]	ND(0.020)	ND(0.0500) J	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Laboratory: / Date Collected:	GMA5-8 SGS 04/29/03	GMA5-8 SGS 10/22/03	GMA5-8 SGS 11/28/06	GMA5-8 NEA 11/28/06
Inorganics-Filtered					
Antimony		ND(0.0600) [ND(0.0600)]	ND(0.0600)	ND(0.0400)	NA
Arsenic		ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)	NA
Barium		0.0330 B [0.0330 B]	0.0540 B	ND(0.0500)	NA
Beryllium		ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.0100)	NA
Cadmium		ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500) J	NA
Chromium		ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100) J	NA
Cobalt		ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0100) J	NA
Copper		ND(0.0250) [ND(0.0250)]	0.00140 B	ND(0.200)	NA
Cyanide		ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)	NA
Cyanide-MADEP (PAC)		NA	NA	ND(0.0100)	NA
Lead		ND(0.00300) J [ND(0.00300) J]	ND(0.00300)	0.00454 B	NA
Mercury		ND(0.000200) [ND(0.000200)]	ND(0.000200)	ND(0.000285)	NA
Nickel		ND(0.0400) [ND(0.0400)]	0.00200 B	ND(0.0500) J	NA
Selenium		ND(0.00500) J [ND(0.00500) J]	ND(0.00500) J	ND(0.0200) J	NA
Silver		ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.0100)	NA
Thallium		ND(0.0100) J [ND(0.0100) J]	ND(0.0100)	ND(0.0100) J	NA
Tin		ND(0.0300) [ND(0.0300)]	ND(0.0300)	ND(0.100)	NA
Vanadium		0.00130 B [ND(0.0500)]	ND(0.0500)	0.00174 B	NA
Zinc		ND(0.037) [ND(0.0027)]	ND(0.0200) J	ND(0.0500) J	NA

Table D-1
Baseline Monitoring Program Groundwater Analytical Results

Baseline Assessment Final Report and Long Term Monitoring Program Proposal
Groundwater Management Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. and Northeast Analytical, 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
3. June 19, 2004).
4. NA - Not Analyzed.
5. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
   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.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles,pesticides, herbicides,dioxin/furans)
- B - Analyte was also detected in the associated method blank.
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- J - Indicates that the associated numerical value is an estimated concentration.
- X - Estimated maximum possible concentration.
- R - Data was rejected due to a deficiency in the data generation process.

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

Table D-2
Summary Of Historical Groundwater Analytical Results - Well GMA5-1

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Method 1 GW-2 Standards	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics										
Toluene	8	4	80	2/5	0.0014	0.0048	0.00250	0.00234	0.00184	0.00161
Total VOCs	5	Not Listed	Not Listed	2/5	0.0014	0.0048	0.0500	0.0512	0.0202	0.0485
PCBs-Unfiltered										
Aroclor-1254	Not Listed	Not Applicable	Not Listed	4/5	0.00004	0.00058	0.0000500	0.000213	0.000113	0.000244
Aroclor-1260	Not Listed	Not Applicable	Not Listed	2/5	0.000045	0.00013	0.0000325	0.0000545	0.0000458	0.0000426
Total PCBs	Not Listed	Not Applicable	0.005	5/5	0.00004	0.00058	0.0000450	0.000238	0.000118	0.000269
PCBs-Filtered										
Aroclor-1254	Not Listed	Not Listed	Not Listed	3/6	0.00003	0.000086	0.0000438	0.0000498	0.0000403	0.0000307
Total PCBs	Not Listed	0.0003	0.005	3/6	0.00003	0.000086	0.0000438	0.0000498	0.0000403	0.0000307
Semivolatile Organics										
None Detected	Not Applicable	Not Applicable	Not Applicable	0/5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Organochlorine Pesticides										
None Detected	Not Applicable	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Herbicides										
None Detected	Not Applicable	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Furans										
2,3,4,7,8-PeCDF	Not Listed	Not Listed	Not Listed	1/5	0.000000003	0.000000003	0.00000000270	0.00000000294	0.00000000237	0.00000000194
PeCDFs (total)	Not Listed	Not Listed	Not Listed	1/5	0.000000027	0.000000027	0.00000000270	0.00000000773	0.00000000361	0.0000000109
HxCDFs (total)	Not Listed	Not Listed	Not Listed	1/5	0.000000037	0.000000037	0.00000000270	0.00000000971	0.00000000354	0.0000000154
1,2,3,4,6,7,8-HpCDF	Not Listed	Not Listed	Not Listed	1/5	0.000000015	0.000000015	0.00000000305	0.00000000568	0.00000000355	0.00000000569
HpCDFs (total)	Not Listed	Not Listed	Not Listed	1/5	0.000000029	0.000000029	0.00000000350	0.00000000867	0.00000000422	0.0000000116
OCDF	Not Listed	Not Listed	Not Listed	1/5	0.000000011	0.000000011	0.0000000100	0.00000000934	0.00000000835	0.00000000471
Dioxins										
2,3,7,8-TCDD	Not Listed	Not Listed	Not Listed	1/5	0.0000000014	0.0000000014	0.00000000165	0.00000000320	0.00000000237	0.00000000278
TCDDs (total)	Not Listed	Not Listed	Not Listed	1/5	0.0000000014	0.0000000014	0.00000000165	0.00000000320	0.00000000237	0.00000000278
1,2,3,4,6,7,8-HpCDD	Not Listed	Not Listed	Not Listed	1/5	0.000000011	0.000000011	0.00000000500	0.00000000642	0.00000000382	0.00000000539
HpCDDs (total)	Not Listed	Not Listed	Not Listed	1/5	0.000000019	0.000000019	0.00000000500	0.00000000802	0.00000000426	0.00000000775
OCDD	Not Listed	Not Listed	Not Listed	1/5	0.00000015	0.00000015	0.0000000135	0.0000000404	0.0000000200	0.0000000614
Total TEQs (WHO TEFs)	Not Listed	0.0000001	0.000001	5/5	0.000000003	0.000000024	0.00000000760	0.0000000104	0.00000000824	0.00000000814

Table D-2
Summary Of Historical Groundwater Analytical Results - Well GMA5-1

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Method 1 GW-2 Standards	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Inorganics-Unfiltered										
Arsenic	Not Applicable	Not Applicable	9	2/5	0.011	0.0134	0.00500	0.00788	0.00713	0.00403
Barium	Not Applicable	Not Applicable	100	4/5	0.077	0.15	0.100	0.106	0.103	0.0271
Beryllium	Not Applicable	Not Applicable	0.5	1/5	0.00077	0.00077	0.000500	0.000554	0.000545	0.000121
Cadmium	Not Applicable	Not Applicable	0.05	1/5	0.00438	0.00438	0.00250	0.00288	0.00280	0.000841
Chromium	Not Applicable	Not Applicable	3	4/5	0.0023	0.0067	0.00500	0.00487	0.00458	0.00171
Cobalt	Not Applicable	Not Applicable	Not Listed	4/5	0.00151	0.0036	0.00350	0.00712	0.00394	0.0100
Copper	Not Applicable	Not Applicable	Not Listed	2/5	0.0085	0.016	0.0125	0.0299	0.0184	0.0393
Cyanide	Not Applicable	Not Applicable	2	3/5	0.0023	0.0052	0.00500	0.00406	0.00384	0.00139
Lead	Not Applicable	Not Applicable	0.15	5/5	0.004	0.06	0.0130	0.0212	0.0131	0.0231
Nickel	Not Applicable	Not Applicable	2	3/5	0.0042	0.012	0.0120	0.0127	0.0109	0.00718
Selenium	Not Applicable	Not Applicable	1	1/5	0.00931	0.00931	0.00250	0.00386	0.00325	0.00305
Silver	Not Applicable	Not Applicable	1	2/5	0.0012	0.00168	0.00250	0.00208	0.00199	0.000605
Thallium	Not Applicable	Not Applicable	30	1/5	0.00815	0.00815	0.00500	0.00563	0.00551	0.00141
Zinc	Not Applicable	Not Applicable	50	4/5	0.017	0.12	0.0510	0.0858	0.0584	0.0799
Inorganics-Filtered										
Barium	Not Listed	50	100	4/5	0.081	0.13	0.0938	0.0980	0.0966	0.0194
Cadmium	Not Listed	0.004	0.05	1/5	0.00394	0.00394	0.00250	0.00329	0.00315	0.00114
Chromium	Not Listed	0.3	3	1/5	0.00449	0.00449	0.00500	0.00640	0.00588	0.00342
Cobalt	Not Listed	Not Listed	Not Listed	3/5	0.00105	0.0043	0.00430	0.0115	0.00568	0.0124
Copper	Not Listed	Not Listed	Not Listed	2/5	0.0036	0.0065	0.0125	0.0345	0.0171	0.0411
Cyanide	Not Listed	0.03	2	1/4	0.0026	0.0026	0.00500	0.00440	0.00425	0.00120
Lead	Not Listed	0.01	0.15	2/5	0.00227	0.004	0.00150	0.00215	0.00198	0.00108
Nickel	Not Listed	0.2	2	3/5	0.0055	0.011	0.0110	0.0128	0.0113	0.00685
Selenium	Not Listed	0.1	1	1/5	0.0132	0.0132	0.00250	0.00464	0.00349	0.00479
Silver	Not Listed	0.007	1	2/5	0.0012	0.0017	0.00250	0.00208	0.00200	0.000602
Zinc	Not Listed	0.9	50	3/5	0.0058	0.11	0.0139	0.0699	0.0284	0.0895

Table D-3
Summary Of Historical Groundwater Analytical Results - Well GMA5-2

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Tetrachloroethene	30	100	1/5	0.0024	0.0025	0.00100	0.00119	0.00104	0.000737
Total VOCs	Not Listed	Not Listed	1/5	0.0024	0.0025	0.100	0.0705	0.0415	0.0438
PCBs-Unfiltered									
Aroclor-1254	Not Applicable	Not Listed	4/5	0.000045	0.000086	0.0000580	0.0000587	0.0000555	0.0000212
Total PCBs	Not Applicable	0.005	4/5	0.000045	0.000086	0.0000450	0.0000560	0.0000525	0.0000222
PCBs-Filtered									
Aroclor-1254	Not Listed	Not Listed	2/6	0.00003	0.000068	0.0000325	0.0000382	0.0000331	0.0000202
Aroclor-1260	Not Listed	Not Listed	1/6	0	0.00005	0.0000325	0.0000341	0.0000308	0.0000143
Total PCBs	0.0003	0.005	3/6	0.00003	0.000068	0.0000369	0.0000396	0.0000344	0.0000200
Semivolatile Organics									
None Detected	Not Applicable	Not Applicable	0/5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Organochlorine Pesticides									
None Detected	Not Applicable	Not Applicable	0/5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Herbicides									
None Detected	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Furans									
2,3,7,8-TCDF	Not Listed	Not Listed	1/5	1.4E-09	1.4E-09	0.00000000105	0.000000000995	0.000000000952	0.000000000303
TCDFs (total)	Not Listed	Not Listed	1/5	1.4E-09	1.4E-09	0.00000000105	0.000000000995	0.000000000952	0.000000000303
2,3,4,7,8-PeCDF	Not Listed	Not Listed	1/5	3.5E-09	3.5E-09	0.00000000120	0.00000000163	0.00000000143	0.000000000876
1,2,3,4,7,8-HxCDF	Not Listed	Not Listed	1/5	3.5E-09	3.5E-09	0.00000000120	0.00000000185	0.00000000151	0.00000000123
HxCDFs (total)	Not Listed	Not Listed	1/5	3.5E-09	3.5E-09	0.00000000120	0.00000000185	0.00000000153	0.00000000122
OCDF	Not Listed	Not Listed	1/5	6.9E-09	6.9E-09	0.00000000550	0.00000000453	0.00000000435	0.00000000138
Dioxins									
1,2,3,7,8-PeCDD	Not Listed	Not Listed	1/5	3.1E-09	3.1E-09	0.00000000120	0.00000000172	0.00000000160	0.000000000752
PeCDDs (total)	Not Listed	Not Listed	1/5	3.1E-09	3.1E-09	0.00000000195	0.00000000194	0.00000000186	0.000000000625
1,2,3,4,7,8-HxCDD	Not Listed	Not Listed	1/5	3.8E-09	3.8E-09	0.00000000215	0.00000000188	0.00000000170	0.000000000843
HxCDDs (total)	Not Listed	Not Listed	1/5	3.8E-09	3.8E-09	0.00000000205	0.00000000201	0.00000000182	0.000000000795
OCDD	Not Listed	Not Listed	3/5	0.00000001	0.000000024	0.0000000120	0.0000000122	0.0000000102	0.00000000762
Total TEQs (WHO TEFs)	0.0000001	0.000001	5/5	3.5E-09	6.9E-09	0.00000000510	0.00000000505	0.00000000493	0.00000000126
Inorganics-Unfiltered									
Antimony	Not Applicable	80	1/5	0.016	0.016	0.0300	0.0252	0.0244	0.00672
Barium	Not Applicable	100	3/5	0.047	0.087	0.0540	0.0626	0.0560	0.0305
Beryllium	Not Applicable	0.5	1/5	0.00063	0.00063	0.000500	0.00143	0.000830	0.00200
Chromium	Not Applicable	3	1/5	0.0017	0.0017	0.00500	0.00434	0.00403	0.00148
Cobalt	Not Applicable	Not Listed	1/5	0.0042	0.0042	0.0250	0.0168	0.0127	0.0112
Copper	Not Applicable	Not Listed	2/5	0.0036	0.0044	0.0125	0.0266	0.0120	0.0413
Cyanide	Not Applicable	2	4/5	0.0023	0.0095	0.00340	0.00462	0.00404	0.00291
Mercury	Not Applicable	0.2	1/5	0.00087	0.00087	0.000100	0.000263	0.000165	0.000340
Nickel	Not Applicable	2	1/5	0.002	0.002	0.0200	0.0174	0.0132	0.00888
Thallium	Not Applicable	30	1/5	0.00662	0.00662	0.00500	0.00532	0.00529	0.000724
Zinc	Not Applicable	50	3/5	0.0078	0.04	0.0250	0.0591	0.0315	0.0824

Table D-3
Summary Of Historical Groundwater Analytical Results - Well GMA5-2

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Inorganics-Filtered									
Antimony	8	80	1/5	0.011	0.011	0.0300	0.0242	0.0226	0.00856
Barium	50	100	3/5	0.044	0.099	0.0550	0.0646	0.0569	0.0336
Cobalt	Not Listed	Not Listed	3/5	0.0015	0.002	0.00200	0.00706	0.00368	0.0101
Copper	Not Listed	Not Listed	2/5	0.0034	0.0042	0.0125	0.0340	0.0155	0.0415
Cyanide	0.03	2	3/4	0.0024	0.014	0.00485	0.00653	0.00530	0.00512
Mercury	0.02	0.2	1/5	0.00084	0.00084	0.000100	0.000257	0.000164	0.000327
Selenium	0.1	1	1/5	0.0145	0.0145	0.00250	0.00490	0.00355	0.00537
Zinc	0.9	50	2/5	0.058	0.058	0.0250	0.0624	0.0334	0.0819

Table D-4
Summary Of Historical Groundwater Analytical Results - Well GMA5-3

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-2 Standards	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics										
Tetrachloroethene	0.05	30	100	2/7	0.0093	0.012	0.00100	0.00369	0.00178	0.00482
Vinyl Chloride	0.002	50	100	3/7	0.0008	0.0016	0.00100	0.00101	0.000963	0.000339
Total VOCs	5	Not Listed	Not Listed	4/7	0.0008	0.012	0.0120	0.0393	0.0130	0.0447
PCBs-Unfiltered										
Aroclor-1254	Not Listed	Not Applicable	Not Listed	3/5	0.000031	0.000093	0.0000325	0.0000462	0.0000418	0.0000265
Total PCBs	Not Listed	Not Applicable	0.005	3/5	0.000031	0.000093	0.0000325	0.0000462	0.0000418	0.0000265
PCBs-Filtered										
Aroclor-1254	Not Listed	Not Listed	Not Listed	3/6	0.000024	0.000056	0.0000325	0.0000378	0.0000358	0.0000141
Total PCBs	Not Listed	0.0003	0.005	3/6	0.000027	0.000056	0.0000433	0.0000428	0.0000410	0.0000135
Semivolatile Organics										
Acenaphthene	Not Listed	5	50	1/5	0.0017	0.0017	0.00500	0.00464	0.00425	0.00177
Diethylphthalate	50	9	100	1/5	0.0018	0.0018	0.00500	0.00466	0.00430	0.00173
Fluoranthene	Not Listed	0.2	2	1/5	0.0033	0.0033	0.00500	0.00496	0.00485	0.00113
Fluorene	Not Listed	3	30	1/5	0.0027	0.0027	0.00500	0.00484	0.00466	0.00136
Pyrene	Not Listed	0.02	0.8	1/5	0.0028	0.0028	0.00500	0.00486	0.00469	0.00132
Organochlorine Pesticides										
Endrin Aldehyde	Not Listed	Not Listed	Not Listed	1/4	0.000044	0.000044	0.0000500	0.0000485	0.0000484	0.00000300
Herbicides										
None Detected	Not Applicable	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Furans										
TCDFs (total)	Not Listed	Not Listed	Not Listed	1/6	1.1E-09	1.1E-09	0.000000000900	0.000000000850	0.000000000820	0.000000000237
1,2,3,7,8-PeCDF	Not Listed	Not Listed	Not Listed	2/6	1.7E-09	5.2E-09	0.00000000148	0.00000000195	0.00000000136	0.00000000178
2,3,4,7,8-PeCDF	Not Listed	Not Listed	Not Listed	1/6	3.6E-09	3.6E-09	0.000000000975	0.00000000152	0.00000000109	0.00000000130
PeCDFs (total)	Not Listed	Not Listed	Not Listed	2/6	3.1E-09	8.8E-09	0.00000000193	0.00000000278	0.00000000160	0.00000000315
1,2,3,4,7,8-HxCDF	Not Listed	Not Listed	Not Listed	2/6	1.3E-09	5.8E-09	0.00000000180	0.00000000215	0.00000000143	0.00000000201
1,2,3,6,7,8-HxCDF	Not Listed	Not Listed	Not Listed	2/6	1.8E-09	5.5E-09	0.00000000193	0.00000000212	0.00000000142	0.00000000188
1,2,3,7,8,9-HxCDF	Not Listed	Not Listed	Not Listed	1/6	5.8E-09	5.8E-09	0.00000000170	0.00000000213	0.00000000138	0.00000000206
2,3,4,6,7,8-HxCDF	Not Listed	Not Listed	Not Listed	2/6	1.3E-09	4.5E-09	0.00000000183	0.00000000193	0.00000000136	0.00000000156
HxCDFs (total)	Not Listed	Not Listed	Not Listed	2/6	4.4E-09	0.000000022	0.00000000245	0.00000000543	0.00000000242	0.00000000824
1,2,3,4,6,7,8-HpCDF	Not Listed	Not Listed	Not Listed	1/6	3.7E-09	3.7E-09	0.00000000195	0.00000000227	0.00000000178	0.00000000155
HpCDFs (total)	Not Listed	Not Listed	Not Listed	1/6	3.7E-09	3.7E-09	0.00000000175	0.00000000180	0.00000000135	0.00000000131
Dioxins										
1,2,3,7,8-PeCDD	Not Listed	Not Listed	Not Listed	1/6	4.4E-09	4.4E-09	0.00000000128	0.00000000178	0.00000000134	0.00000000148
PeCDDs (total)	Not Listed	Not Listed	Not Listed	1/6	4.4E-09	4.4E-09	0.00000000165	0.00000000191	0.00000000146	0.00000000144
1,2,3,7,8,9-HxCDD	Not Listed	Not Listed	Not Listed	1/6	5.2E-09	5.2E-09	0.00000000333	0.0000000767	0.00000000581	0.000000180
HxCDDs (total)	Not Listed	Not Listed	Not Listed	1/6	0.000000009	0.000000009	0.00000000335	0.0000000765	0.00000000636	0.000000178
1,2,3,4,6,7,8-HpCDD	Not Listed	Not Listed	Not Listed	2/6	6.6E-09	8.3E-09	0.00000000210	0.00000000343	0.00000000222	0.00000000323
HpCDDs (total)	Not Listed	Not Listed	Not Listed	2/6	8.3E-09	0.000000012	0.00000000210	0.00000000433	0.00000000245	0.00000000471
OCDD	Not Listed	Not Listed	Not Listed	3/6	0.000000016	0.00000006	0.0000000118	0.0000000185	0.0000000113	0.0000000214
Total TEQs (WHO TEFs)	Not Listed	0.0000001	0.000001	6/6	1.5E-09	0.00000014	0.00000000630	0.0000000282	0.00000000842	0.0000000549

Table D-4
Summary Of Historical Groundwater Analytical Results - Well GMA5-3

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Sample ID: / Date Collected:	Method 1 GW-2 Standards	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Inorganics-Unfiltered										
Barium	Not Applicable	Not Applicable	100	3/5	0.1	0.11	0.100	0.0890	0.0787	0.0361
Chromium	Not Applicable	Not Applicable	3	2/5	0.0011	0.0011	0.00500	0.00344	0.00273	0.00214
Copper	Not Applicable	Not Applicable	Not Listed	1/5	0.0033	0.0033	0.0125	0.0282	0.0145	0.0404
Cyanide	Not Applicable	Not Applicable	2	3/5	0.0028	0.0099	0.00500	0.00566	0.00522	0.00260
Mercury	Not Applicable	Not Applicable	0.2	1/5	0.00018	0.00018	0.000100	0.000125	0.000121	0.0000361
Nickel	Not Applicable	Not Applicable	2	1/5	0.0032	0.0032	0.0200	0.0176	0.0145	0.00836
Selenium	Not Applicable	Not Applicable	1	1/5	0.00993	0.00993	0.00250	0.00399	0.00329	0.00332
Silver	Not Applicable	Not Applicable	1	1/5	0.0015	0.0015	0.00250	0.00280	0.00259	0.00130
Thallium	Not Applicable	Not Applicable	30	1/5	0.00764	0.00764	0.00500	0.00553	0.00544	0.00118
Vanadium	Not Applicable	Not Applicable	40	1/5	0.0021	0.0021	0.0250	0.0204	0.0152	0.0102
Zinc	Not Applicable	Not Applicable	50	2/5	0.0037	0.42	0.0100	0.0937	0.0208	0.183
Inorganics-Filtered										
Barium	Not Listed	50	100	3/5	0.086	0.099	0.0920	0.0804	0.0722	0.0315
Copper	Not Listed	Not Listed	Not Listed	1/5	0.0024	0.0024	0.0125	0.0355	0.0180	0.0404
Cyanide	Not Listed	0.03	2	2/4	0.0045	0.0062	0.00500	0.00518	0.00514	0.000723
Lead	Not Listed	0.01	0.15	1/5	0.0022	0.0022	0.00150	0.00234	0.00206	0.00152
Mercury	Not Listed	0.02	0.2	1/5	0.00017	0.00017	0.000100	0.000123	0.000119	0.0000323
Tin	Not Listed	Not Listed	Not Listed	1/5	0.0088	0.0088	0.0150	0.0208	0.0172	0.0166
Zinc	Not Listed	0.9	50	2/5	0.013	0.42	0.0130	0.0956	0.0267	0.181

Table D-5
Summary Of Historical Groundwater Analytical Results - Well - GMA5-4

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Toluene	4	80	1/5	0.0025	0.0025	0.00250	0.00210	0.00181	0.000894
Total VOCs	Not Listed	Not Listed	1/5	0.0025	0.0025	0.100	0.0705	0.0416	0.0437
PCBs-Unfiltered									
Aroclor-1254	Not Applicable	Not Listed	3/5	0.000034	0.00042	0.0000500	0.000135	0.0000799	0.000165
Aroclor-1260	Not Applicable	Not Listed	1/5	0.00004	0.00004	0.0000325	0.0000340	0.0000339	0.00000335
Total PCBs	Not Applicable	0.005	4/5	0.000034	0.00042	0.0000400	0.000133	0.0000764	0.000167
PCBs-Filtered									
Aroclor-1254	Not Listed	Not Listed	2/6	0.00012	0.00018	0.0000438	0.0000718	0.0000490	0.0000650
Total PCBs	0.0003	0.005	2/6	0.00012	0.00018	0.0000438	0.0000718	0.0000490	0.0000650
Semivolatile Organics									
None Detected	Not Applicable	Not Applicable	0/5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Organochlorine Pesticides									
None Detected	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Herbicides									
None Detected	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Furans									
1,2,3,7,8-PeCDF	Not Listed	Not Listed	1/5	4.8E-09	4.8E-09	0.00000000220	0.00000000242	0.00000000212	0.00000000146
PeCDFs (total)	Not Listed	Not Listed	1/5	4.8E-09	4.8E-09	0.00000000220	0.00000000242	0.00000000212	0.00000000146
1,2,3,4,7,8-HxCDF	Not Listed	Not Listed	1/5	8.9E-09	8.9E-09	0.00000000205	0.00000000321	0.00000000237	0.00000000323
HxCDFs (total)	Not Listed	Not Listed	1/5	8.9E-09	8.9E-09	0.00000000190	0.00000000318	0.00000000233	0.00000000325
Dioxins									
1,2,3,4,6,7,8-HpCDD	Not Listed	Not Listed	1/5	1.7E-09	1.7E-09	0.00000000225	0.00000000263	0.00000000227	0.00000000170
HpCDDs (total)	Not Listed	Not Listed	1/5	1.7E-09	1.7E-09	0.00000000225	0.00000000263	0.00000000227	0.00000000170
OCDD	Not Listed	Not Listed	3/5	9.7E-09	0.00000025	0.0000000130	0.0000000595	0.0000000218	0.000000106
Total TEQs (WHO TEFs)	0.0000001	0.000001	5/5	3.8E-09	0.000000011	0.00000000670	0.00000000696	0.00000000651	0.00000000280
Inorganics-Unfiltered									
Arsenic	Not Applicable	9	1/5	0.0042	0.0042	0.00500	0.00484	0.00483	0.000358
Barium	Not Applicable	100	4/5	0.016	0.034	0.0200	0.0379	0.0293	0.0354
Chromium	Not Applicable	3	3/5	0.0013	0.0019	0.00190	0.00294	0.00247	0.00189
Cobalt	Not Applicable	Not Listed	3/5	0.0013	0.0018	0.00180	0.0109	0.00468	0.0128
Copper	Not Applicable	Not Listed	1/5	0.0019	0.0019	0.0125	0.0279	0.0130	0.0406
Cyanide	Not Applicable	2	2/5	0.0034	0.0038	0.00500	0.00444	0.00438	0.000780
Lead	Not Applicable	0.15	2/5	0.00148	0.053	0.00150	0.0118	0.00305	0.0230
Mercury	Not Applicable	0.2	1/5	0.00072	0.00072	0.000100	0.000233	0.000159	0.000273
Nickel	Not Applicable	2	2/5	0.0032	0.004	0.0200	0.0144	0.0105	0.0101
Silver	Not Applicable	1	1/5	0.0011	0.0011	0.00250	0.00272	0.00244	0.00141
Zinc	Not Applicable	50	3/5	0.011	0.088	0.0150	0.0298	0.0205	0.0331

Table D-5
Summary Of Historical Groundwater Analytical Results - Well - GMA5-4

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Inorganics-Filtered									
Barium	50	100	4/5	0.015	0.0367	0.0260	0.0391	0.0304	0.0350
Beryllium	0.05	0.5	1/5	0.00028	0.00028	0.000500	0.000456	0.000445	0.0000984
Cadmium	0.004	0.05	1/5	0.00411	0.00411	0.00250	0.00332	0.00317	0.00117
Chromium	0.3	3	1/5	0.00361	0.00361	0.00500	0.00622	0.00563	0.00356
Cobalt	Not Listed	Not Listed	1/5	0.0013	0.0013	0.0250	0.0163	0.0100	0.0120
Copper	Not Listed	Not Listed	1/5	0.0014	0.0014	0.0125	0.0353	0.0161	0.0406
Cyanide	0.03	2	1/4	0.005	0.005	0.00500	0.00500	0.00500	0
Lead	0.01	0.15	1/5	0.00305	0.00305	0.00150	0.00181	0.00173	0.000693
Mercury	0.02	0.2	1/5	0.00084	0.00084	0.000100	0.000257	0.000164	0.000327
Nickel	0.2	2	2/5	0.00294	0.0031	0.0200	0.0132	0.00939	0.00930
Silver	0.007	1	1/5	0.00151	0.00151	0.00250	0.00230	0.00226	0.000443
Zinc	0.9	50	3/5	0.009	0.0418	0.0100	0.0166	0.0135	0.0142

Table D-6
Summary Of Historical Groundwater Analytical Results - Well GMA5-5

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Toluene	4	80	1/5	0.00083	0.00083	0.00250	0.00177	0.00145	0.00101
Total VOCs	Not Listed	Not Listed	1/5	0.00083	0.00083	0.100	0.0702	0.0334	0.0444
PCBs-Unfiltered									
Aroclor-1254	Not Applicable	Not Listed	2/5	0.000049	0.00038	0.0000490	0.000110	0.0000641	0.000151
Aroclor-1260	Not Applicable	Not Listed	1/5	0.0001	0.0001	0.0000325	0.0000505	0.0000452	0.0000293
Total PCBs	Not Applicable	0.005	2/5	0.000049	0.00048	0.0000490	0.000130	0.0000672	0.000196
PCBs-Filtered									
None Detected	Not Applicable	Not Applicable	0/6	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Semivolatile Organics									
None Detected	Not Applicable	Not Applicable	0/5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Organochlorine Pesticides									
None Detected	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Herbicides									
None Detected	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Furans									
2,3,7,8-TCDF	Not Listed	Not Listed	1/5	4.4E-09	4.4E-09	0.000000000750	0.00000000204	0.00000000134	0.00000000194
TCDFs (total)	Not Listed	Not Listed	1/5	4.4E-09	4.4E-09	0.000000000750	0.00000000204	0.00000000134	0.00000000194
2,3,4,7,8-PeCDF	Not Listed	Not Listed	2/5	3.5E-09	7.8E-09	0.00000000270	0.00000000317	0.00000000225	0.00000000283
PeCDFs (total)	Not Listed	Not Listed	1/5	3.5E-09	3.5E-09	0.00000000270	0.00000000239	0.00000000196	0.00000000142
2,3,4,6,7,8-HxCDF	Not Listed	Not Listed	1/5	4.3E-09	4.3E-09	0.00000000240	0.00000000223	0.00000000179	0.00000000145
HxCDFs (total)	Not Listed	Not Listed	1/5	4.3E-09	4.3E-09	0.00000000250	0.00000000224	0.00000000177	0.00000000147
1,2,3,4,6,7,8-HpCDF	Not Listed	Not Listed	1/5	6.7E-09	6.7E-09	0.00000000255	0.00000000276	0.00000000205	0.00000000237
1,2,3,4,7,8,9-HpCDF	Not Listed	Not Listed	1/5	6.2E-09	6.2E-09	0.00000000270	0.00000000286	0.00000000223	0.00000000215
HpCDFs (total)	Not Listed	Not Listed	1/5	0.000000013	0.000000013	0.00000000270	0.00000000409	0.00000000240	0.00000000507
OCDF	Not Listed	Not Listed	1/5	0.000000013	0.000000013	0.00000000550	0.00000000712	0.00000000437	0.00000000609
Dioxins									
1,2,3,4,7,8-HxCDD	Not Listed	Not Listed	1/5	0.000000005	0.000000005	0.00000000270	0.00000000269	0.00000000215	0.00000000175
1,2,3,7,8,9-HxCDD	Not Listed	Not Listed	1/5	4.7E-09	4.7E-09	0.00000000270	0.00000000259	0.00000000205	0.00000000167
HxCDDs (total)	Not Listed	Not Listed	1/5	9.7E-09	9.7E-09	0.00000000270	0.00000000359	0.00000000239	0.00000000360
OCDD	Not Listed	Not Listed	2/5	0.00000002	0.000000022	0.0000000165	0.0000000147	0.0000000131	0.00000000701
Total TEQs (WHO TEFs)	0.0000001	0.000001	5/5	2.1E-09	0.000000011	0.00000000670	0.00000000656	0.00000000556	0.00000000372

Table D-6
Summary Of Historical Groundwater Analytical Results - Well GMA5-5

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Inorganics-Unfiltered									
Barium	Not Applicable	100	4/5	0.0189	0.38	0.160	0.186	0.125	0.142
Beryllium	Not Applicable	0.5	1/5	0.00206	0.00206	0.000500	0.000812	0.000664	0.000698
Chromium	Not Applicable	3	4/5	0.0023	0.003	0.00250	0.00302	0.00288	0.00114
Cobalt	Not Applicable	Not Listed	3/5	0.0034	0.012	0.00500	0.0100	0.00748	0.00904
Copper	Not Applicable	Not Listed	1/5	0.021	0.021	0.0125	0.0317	0.0210	0.0384
Cyanide	Not Applicable	2	3/5	0.0026	0.0034	0.00340	0.00374	0.00359	0.00119
Lead	Not Applicable	0.15	1/5	0.012	0.012	0.00150	0.00430	0.00289	0.00456
Mercury	Not Applicable	0.2	1/5	0.00028	0.00028	0.000100	0.000145	0.000132	0.0000780
Nickel	Not Applicable	2	2/5	0.0054	0.0063	0.0200	0.0153	0.0128	0.00891
Silver	Not Applicable	1	2/5	0.0012	0.0014	0.00250	0.00252	0.00221	0.00151
Zinc	Not Applicable	50	2/5	0.0076	0.02	0.0100	0.0145	0.0131	0.00756
Inorganics-Filtered									
Barium	50	100	4/5	0.0156	0.24	0.120	0.133	0.0969	0.0862
Beryllium	0.05	0.5	1/5	0.00591	0.00591	0.000500	0.00158	0.000819	0.00242
Chromium	0.3	3	4/5	0.00104	0.0022	0.00200	0.00389	0.00250	0.00483
Cobalt	Not Listed	Not Listed	2/5	0.0034	0.006	0.00600	0.0129	0.00914	0.0111
Copper	Not Listed	Not Listed	2/5	0.002	0.0068	0.0125	0.0343	0.0153	0.0413
Cyanide	0.03	2	1/4	0.0027	0.0027	0.00500	0.00443	0.00429	0.00115
Lead	0.01	0.15	2/5	0.0018	0.00326	0.00150	0.00191	0.00182	0.000765
Mercury	0.02	0.2	1/5	0.00015	0.00015	0.000100	0.000119	0.000116	0.0000255
Nickel	0.2	2	2/5	0.003	0.0045	0.0200	0.0145	0.0106	0.0100
Silver	0.007	1	1/5	0.0018	0.0018	0.00250	0.00286	0.00269	0.00123

Table D-7
Summary Of Historical Groundwater Analytical Results - Well GMA5-6

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Benzene	10	100	1/5	0.00023	0.00023	0.00250	0.00205	0.00155	0.00102
Chlorobenzene	1	10	1/5	0.00028	0.00032	0.00250	0.00206	0.00164	0.000984
Toluene	4	80	1/5	0.0013	0.0013	0.00250	0.00186	0.00159	0.000921
Total VOCs	Not Listed	Not Listed	2/5	0.00051	0.0013	0.100	0.0604	0.0147	0.0543
PCBs-Unfiltered									
Aroclor-1254	Not Applicable	Not Listed	3/5	0.000067	0.00014	0.0000670	0.0000869	0.0000748	0.0000500
Aroclor-1260	Not Applicable	Not Listed	2/5	0.000079	0.00012	0.0000325	0.0000583	0.0000500	0.0000376
Total PCBs	Not Applicable	0.005	4/5	0.000067	0.000219	0.000115	0.000115	0.0000949	0.0000717
PCBs-Filtered									
Aroclor-1254	Not Listed	Not Listed	1/6	0.000073	0.000073	0.0000325	0.0000394	0.0000339	0.0000215
Aroclor-1260	Not Listed	Not Listed	1/6	0.000021	0.000021	0.0000325	0.0000308	0.0000275	0.0000147
Total PCBs	0.0003	0.005	1/6	0.000094	0.000094	0.0000325	0.0000429	0.0000354	0.0000286
Semivolatile Organics									
None Detected	Not Applicable	Not Applicable	0/5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Organochlorine Pesticides									
None Detected	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Herbicides									
None Detected	Not Applicable	Not Applicable	0/3	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Furans									
1,2,3,7,8-PeCDF	Not Listed	Not Listed	1/5	8.8E-09	8.8E-09	0.00000000268	0.00000000335	0.00000000237	0.00000000321
2,3,4,7,8-PeCDF	Not Listed	Not Listed	1/5	8.4E-09	8.4E-09	0.00000000175	0.00000000299	0.00000000211	0.00000000310
PeCDFs (total)	Not Listed	Not Listed	1/5	0.000000017	0.000000017	0.00000000268	0.00000000499	0.00000000271	0.00000000679
1,2,3,4,7,8-HxCDF	Not Listed	Not Listed	2/5	7.6E-09	0.000000021	0.00000000268	0.00000000703	0.00000000430	0.00000000817
1,2,3,6,7,8-HxCDF	Not Listed	Not Listed	2/5	4.7E-09	7.4E-09	0.00000000268	0.00000000332	0.00000000230	0.00000000278
1,2,3,7,8,9-HxCDF	Not Listed	Not Listed	2/5	7.3E-09	8.8E-09	0.00000000268	0.00000000422	0.00000000288	0.00000000361
2,3,4,6,7,8-HxCDF	Not Listed	Not Listed	2/5	0.000000003	5.5E-09	0.00000000268	0.00000000265	0.00000000209	0.00000000186
HxCDFs (total)	Not Listed	Not Listed	2/5	0.000000021	0.000000029	0.00000000750	0.0000000123	0.00000000702	0.0000000121
1,2,3,4,6,7,8-HpCDF	Not Listed	Not Listed	2/5	6.6E-09	7.2E-09	0.00000000268	0.00000000410	0.00000000346	0.00000000259
1,2,3,4,7,8,9-HpCDF	Not Listed	Not Listed	1/5	5.4E-09	5.4E-09	0.00000000195	0.00000000237	0.00000000177	0.00000000188
HpCDFs (total)	Not Listed	Not Listed	3/5	3.2E-09	0.000000012	0.00000000320	0.00000000508	0.00000000301	0.00000000459
Dioxins									
1,2,3,4,7,8-HxCDD	Not Listed	Not Listed	1/5	7.2E-09	7.2E-09	0.00000000268	0.00000000311	0.00000000246	0.00000000244
1,2,3,7,8,9-HxCDD	Not Listed	Not Listed	1/5	0.000000007	0.000000007	0.00000000268	0.00000000304	0.00000000240	0.00000000235
HxCDDs (total)	Not Listed	Not Listed	1/5	0.000000014	0.000000014	0.00000000268	0.00000000441	0.00000000271	0.00000000542
1,2,3,4,6,7,8-HpCDD	Not Listed	Not Listed	1/5	3.3E-09	3.3E-09	0.00000000275	0.00000000287	0.00000000283	0.000000000522
HpCDDs (total)	Not Listed	Not Listed	1/5	3.3E-09	3.3E-09	0.00000000275	0.00000000277	0.00000000274	0.000000000420
OCDD	Not Listed	Not Listed	2/5	0.000000018	0.000000022	0.0000000140	0.0000000145	0.0000000132	0.00000000616
Total TEQs (WHO TEFs)	0.0000001	0.000001	5/5	5.3E-09	0.000000019	0.00000000665	0.00000000895	0.00000000793	0.00000000569

Table D-7
Summary Of Historical Groundwater Analytical Results - Well GMA5-6

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Inorganics-Unfiltered									
Arsenic	Not Applicable	9	2/5	0.011	0.0112	0.00500	0.00682	0.00645	0.00269
Barium	Not Applicable	100	3/5	0.028	0.16	0.100	0.103	0.0891	0.0505
Cadmium	Not Applicable	0.05	1/5	0.0014	0.0014	0.00250	0.00258	0.00244	0.000918
Chromium	Not Applicable	3	2/5	0.0015	0.0088	0.00500	0.00513	0.00446	0.00258
Cobalt	Not Applicable	Not Listed	2/5	0.0018	0.0056	0.00560	0.0125	0.00794	0.0115
Copper	Not Applicable	Not Listed	2/5	0.0056	0.0126	0.0125	0.0199	0.0144	0.0206
Cyanide	Not Applicable	2	5/5	0.0037	0.011	0.00600	0.00558	0.00536	0.00176
Lead	Not Applicable	0.15	1/5	0.0019	0.0019	0.00150	0.00228	0.00200	0.00153
Mercury	Not Applicable	0.2	2/5	0.00035	0.00089	0.000143	0.000317	0.000214	0.000337
Nickel	Not Applicable	2	2/5	0.0015	0.0089	0.0200	0.0151	0.0106	0.00961
Silver	Not Applicable	1	1/5	0.0018	0.0018	0.00250	0.00286	0.00269	0.00123
Vanadium	Not Applicable	40	2/5	0.0019	0.0071	0.0250	0.0168	0.0116	0.0114
Zinc	Not Applicable	50	5/5	0.011	0.38	0.270	0.191	0.0823	0.169
Inorganics-Filtered									
Barium	50	100	3/5	0.029	0.13	0.0710	0.0710	0.0582	0.0453
Chromium	0.3	3	1/5	0.0014	0.0014	0.00500	0.00578	0.00466	0.00407
Cobalt	Not Listed	Not Listed	2/5	0.0013	0.0052	0.00520	0.0123	0.00733	0.0117
Copper	Not Listed	Not Listed	2/5	0.0031	0.00973	0.0125	0.0174	0.0117	0.0186
Cyanide	0.03	2	2/4	0.0027	0.004	0.00450	0.00418	0.00405	0.00109
Mercury	0.02	0.2	1/5	0.0009	0.0009	0.000100	0.000269	0.000167	0.000353
Nickel	0.2	2	1/5	0.0022	0.0022	0.0200	0.0174	0.0134	0.00879
Zinc	0.9	50	4/5	0.011	0.29	0.228	0.162	0.0722	0.140

Table D-8
Summary Of Historical Groundwater Analytical Results - Well GMA5-7

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Sample ID: / Date Collected:	Method 1 GW-2 Standards	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics										
Acetone	50	50	100	1/7	0.014	0.014	0.00500	0.00593	0.00525	0.00368
Tetrachloroethene	0.05	30	100	7/7	0.0045	0.062	0.0240	0.0298	0.0233	0.0193
Toluene	8	4	80	1/7	0.0011	0.0011	0.00250	0.00201	0.00177	0.000847
trans-1,2-Dichloroethene	0.09	50	100	1/7	0.00082	0.00082	0.00250	0.00197	0.00169	0.000903
Trichloroethene	0.03	5	50	4/7	0.0023	0.0067	0.00250	0.00310	0.00287	0.00160
Vinyl Chloride	0.002	50	100	1/7	0.0029	0.0029	0.00100	0.00120	0.00105	0.000772
Total VOCs	5	Not Listed	Not Listed	7/7	0.0045	0.064	0.0340	0.0345	0.0272	0.0195
PCBs-Unfiltered										
Aroclor-1254	Not Listed	Not Applicable	Not Listed	5/5	0.000027	0.00019	0.000140	0.000114	0.0000922	0.0000671
Aroclor-1260	Not Listed	Not Applicable	Not Listed	1/5	0.000031	0.000031	0.0000325	0.0000357	0.0000351	0.00000802
Total PCBs	Not Listed	Not Applicable	0.005	4/5	0.000027	0.00019	0.000140	0.000126	0.000106	0.0000606
PCBs-Filtered										
Aroclor-1254	Not Listed	Not Listed	Not Listed	3/6	0.000054	0.0001	0.0000545	0.0000568	0.0000525	0.0000251
Total PCBs	Not Listed	0.0003	0.005	3/6	0.000024	0.0001	0.0000438	0.0000518	0.0000459	0.0000286
Semivolatile Organics										
None Detected	Not Applicable	Not Applicable	Not Applicable	0/5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Organochlorine Pesticides										
Dieldrin	0.008	0.0005	0.08	1/4	0.00002	0.00002	0.0000500	0.0000425	0.0000398	0.0000150
Herbicides										
None Detected	Not Applicable	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Furans										
TCDFs (total)	Not Listed	Not Listed	Not Listed	1/5	7.9E-09	7.9E-09	0.00000000120	0.00000000234	0.00000000138	0.00000000313
2,3,4,7,8-PeCDF	Not Listed	Not Listed	Not Listed	1/5	7.3E-09	7.3E-09	0.00000000120	0.00000000256	0.00000000170	0.00000000277
1,2,3,4,7,8-HxCDF	Not Listed	Not Listed	Not Listed	1/5	7.1E-09	7.1E-09	0.00000000275	0.00000000311	0.00000000249	0.00000000241
1,2,3,7,8,9-HxCDF	Not Listed	Not Listed	Not Listed	1/5	7.2E-09	7.2E-09	0.00000000135	0.00000000267	0.00000000193	0.00000000264
2,3,4,6,7,8-HxCDF	Not Listed	Not Listed	Not Listed	1/5	5.8E-09	5.8E-09	0.00000000125	0.00000000234	0.00000000175	0.00000000208
HxCDFs (total)	Not Listed	Not Listed	Not Listed	1/5	7.1E-09	7.1E-09	0.00000000275	0.00000000446	0.00000000311	0.00000000392
1,2,3,4,6,7,8-HpCDF	Not Listed	Not Listed	Not Listed	1/5	6.9E-09	6.9E-09	0.00000000160	0.00000000260	0.00000000179	0.00000000254
1,2,3,4,7,8,9-HpCDF	Not Listed	Not Listed	Not Listed	1/5	3.4E-09	3.4E-09	0.00000000190	0.00000000207	0.00000000178	0.00000000107
HpCDFs (total)	Not Listed	Not Listed	Not Listed	1/5	0.00000001	0.00000001	0.00000000175	0.00000000329	0.00000000202	0.00000000384
OCDF	Not Listed	Not Listed	Not Listed	2/5	0.000000007	0.000000026	0.00000000550	0.00000000904	0.00000000643	0.00000000961
Dioxins										
1,2,3,4,7,8-HxCDD	Not Listed	Not Listed	Not Listed	1/5	6.1E-09	6.1E-09	0.00000000250	0.00000000271	0.00000000204	0.00000000209
1,2,3,6,7,8-HxCDD	Not Listed	Not Listed	Not Listed	1/5	5.4E-09	5.4E-09	0.00000000220	0.00000000246	0.00000000185	0.00000000186
HxCDDs (total)	Not Listed	Not Listed	Not Listed	1/5	0.000000012	0.000000012	0.00000000230	0.00000000396	0.00000000239	0.00000000458
1,2,3,4,6,7,8-HpCDD	Not Listed	Not Listed	Not Listed	1/5	6.9E-09	6.9E-09	0.00000000265	0.00000000332	0.00000000297	0.00000000202
HpCDDs (total)	Not Listed	Not Listed	Not Listed	1/5	6.9E-09	6.9E-09	0.00000000265	0.00000000306	0.00000000245	0.00000000228
OCDD	Not Listed	Not Listed	Not Listed	2/5	7.9E-09	0.000000057	0.0000000110	0.0000000208	0.0000000144	0.0000000213
Total TEQs (WHO TEFs)	Not Listed	0.0000001	0.000001	5/5	2.8E-09	0.000000012	0.00000000560	0.00000000642	0.00000000575	0.00000000344

Table D-8
Summary Of Historical Groundwater Analytical Results - Well GMA5-7

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Sample ID: / Date Collected:	Method 1 GW-2 Standards	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Inorganics-Unfiltered										
Barium	Not Applicable	Not Applicable	100	3/5	0.073	0.11	0.0740	0.0764	0.0683	0.0330
Chromium	Not Applicable	Not Applicable	3	2/5	0.0011	0.0013	0.00500	0.00348	0.00282	0.00208
Copper	Not Applicable	Not Applicable	Not Listed	1/5	0.004	0.004	0.0125	0.0283	0.0151	0.0403
Cyanide	Not Applicable	Not Applicable	2	2/5	0.0026	0.0049	0.00500	0.00450	0.00437	0.00106
Lead	Not Applicable	Not Applicable	0.15	1/5	0.0034	0.0034	0.00150	0.00258	0.00225	0.00158
Mercury	Not Applicable	Not Applicable	0.2	1/5	0.00016	0.00016	0.000100	0.000121	0.000118	0.0000287
Nickel	Not Applicable	Not Applicable	2	2/5	0.0023	0.0042	0.0200	0.0143	0.00993	0.0103
Selenium	Not Applicable	Not Applicable	1	1/5	0.0116	0.0116	0.00250	0.00432	0.00340	0.00407
Silver	Not Applicable	Not Applicable	1	1/5	0.001	0.001	0.00250	0.00270	0.00239	0.00144
Thallium	Not Applicable	Not Applicable	30	1/5	0.0066	0.0066	0.00500	0.00532	0.00529	0.000716
Zinc	Not Applicable	Not Applicable	50	3/5	0.018	0.042	0.0200	0.0243	0.0229	0.0104
Inorganics-Filtered										
Barium	Not Listed	50	100	3/5	0.064	0.098	0.0700	0.0714	0.0643	0.0306
Copper	Not Listed	Not Listed	Not Listed	1/5	0.0041	0.0041	0.0125	0.0358	0.0200	0.0400
Lead	Not Listed	0.01	0.15	1/5	0.002	0.002	0.00150	0.00230	0.00202	0.00152
Mercury	Not Listed	0.02	0.2	1/5	0.00017	0.00017	0.000100	0.000123	0.000119	0.0000323
Nickel	Not Listed	0.2	2	1/5	0.0018	0.0018	0.0200	0.0174	0.0129	0.00896
Selenium	Not Listed	0.1	1	1/5	0.0116	0.0116	0.00250	0.00432	0.00340	0.00407
Silver	Not Listed	0.007	1	1/5	0.001	0.001	0.00250	0.00270	0.00239	0.00144

Table D-9
Summary Of Historical Groundwater Analytical Results - Well GMA5-8

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Acetone	50	100	1/5	0.084	0.091	0.00500	0.0210	0.00772	0.0372
Benzene	10	100	1/5	0.00024	0.00024	0.00250	0.00205	0.00156	0.00101
Toluene	4	80	1/5	0.0012	0.0012	0.00250	0.00184	0.00156	0.000937
Total VOCs	Not Listed	Not Listed	3/5	0.00024	0.091	0.0875	0.0578	0.0120	0.0523
PCBs-Unfiltered									
Aroclor-1254	Not Applicable	Not Listed	5/5	0.000072	0.00068	0.000110	0.000251	0.000167	0.000261
Aroclor-1260	Not Applicable	Not Listed	3/5	0.00009	0.00025	0.0000900	0.0000813	0.0000682	0.0000481
Total PCBs	Not Applicable	0.005	5/5	0.000072	0.00081	0.000165	0.000316	0.000215	0.000302
PCBs-Filtered									
Aroclor-1254	Not Listed	Not Listed	4/6	0.000034	0.0002	0.0000660	0.0000787	0.0000555	0.0000669
Total PCBs	0.0003	0.005	4/6	0.000034	0.0002	0.0000660	0.0000787	0.0000555	0.0000669
Semivolatile Organics									
Acenaphthene	5	50	1/5	0.0041	0.0041	0.00500	0.00782	0.00634	0.00682
Dibenzofuran	Not Listed	Not Listed	1/5	0.0032	0.0032	0.00500	0.00764	0.00603	0.00695
Naphthalene	20	100	2/5	0.0042	0.006	0.00500	0.00816	0.00679	0.00664
Phenanthrene	0.05	0.4	2/5	0.0028	0.0056	0.00500	0.00776	0.00617	0.00690
Organochlorine Pesticides									
None Detected	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Herbicides									
None Detected	Not Applicable	Not Applicable	0/4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Furans									
TCDFs (total)	Not Listed	Not Listed	1/5	2.5E-09	2.5E-09	0.00000000140	0.00000000252	0.00000000174	0.00000000260
1,2,3,7,8-PeCDF	Not Listed	Not Listed	1/5	0	6.3E-10	0.000000000940	0.00000000114	0.000000000938	0.000000000826
PeCDFs (total)	Not Listed	Not Listed	2/5	0.000000026	0.000000026	0.00000000133	0.00000000743	0.00000000285	0.00000000108
1,2,3,4,7,8-HxCDF	Not Listed	Not Listed	1/5	4.8E-09	4.8E-09	0.00000000250	0.00000000258	0.00000000228	0.00000000143
2,3,4,6,7,8-HxCDF	Not Listed	Not Listed	1/5	2.9E-09	2.9E-09	0.00000000145	0.00000000171	0.00000000144	0.000000000983
HxCDFs (total)	Not Listed	Not Listed	1/5	0.000000022	0.000000022	0.00000000140	0.00000000651	0.00000000260	0.00000000911
1,2,3,4,6,7,8-HpCDF	Not Listed	Not Listed	2/5	2.6E-09	6.9E-09	0.00000000255	0.00000000294	0.00000000239	0.00000000231
HpCDFs (total)	Not Listed	Not Listed	3/5	2.6E-09	0.000000014	0.00000000260	0.00000000482	0.00000000318	0.00000000531
OCDF	Not Listed	Not Listed	2/5	8.5E-09	0.000000011	0.00000000390	0.00000000589	0.00000000504	0.00000000367
Dioxins									
1,2,3,7,8-PeCDD	Not Listed	Not Listed	1/5	3.8E-09	3.8E-09	0.00000000145	0.00000000213	0.00000000178	0.00000000135
PeCDDs (total)	Not Listed	Not Listed	1/5	3.8E-09	3.8E-09	0.00000000193	0.00000000210	0.00000000184	0.00000000114
1,2,3,4,7,8-HxCDD	Not Listed	Not Listed	1/5	3.5E-09	3.5E-09	0.00000000250	0.00000000219	0.00000000178	0.00000000124
HxCDDs (total)	Not Listed	Not Listed	1/5	3.5E-09	3.5E-09	0.00000000250	0.00000000229	0.00000000188	0.00000000114
1,2,3,4,6,7,8-HpCDD	Not Listed	Not Listed	3/5	1.9E-09	5.6E-09	0.00000000195	0.00000000285	0.00000000203	0.00000000220
HpCDDs (total)	Not Listed	Not Listed	3/5	1.4E-09	5.6E-09	0.00000000195	0.00000000287	0.00000000206	0.00000000218
OCDD	Not Listed	Not Listed	3/5	4.8E-09	0.000000043	0.0000000140	0.0000000182	0.0000000147	0.0000000144
Total TEQs (WHO TEFs)	0.0000001	0.000001	5/5	2.4E-09	8.1E-09	0.00000000590	0.00000000556	0.00000000514	0.00000000218

Table D-9
Summary Of Historical Groundwater Analytical Results - Well GMA5-8

Baseline Assessment Final Report And Long Term Monitoring Program Proposal
Groundwater Managment Area 5
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detected Concentration	Maximum Detected Concentration	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Inorganics-Unfiltered									
Arsenic	Not Applicable	9	1/5	0.0087	0.0087	0.00500	0.00574	0.00559	0.00165
Barium	Not Applicable	100	3/5	0.028	0.075	0.0400	0.0536	0.0462	0.0327
Chromium	Not Applicable	3	1/5	0.0012	0.016	0.00500	0.00572	0.00557	0.00161
Cobalt	Not Applicable	Not Listed	1/5	0.0008	0.0008	0.0250	0.0202	0.0126	0.0108
Copper	Not Applicable	Not Listed	1/5	0.0027	0.0029	0.0125	0.0281	0.0140	0.0404
Cyanide	Not Applicable	2	2/5	0.0098	0.011	0.00500	0.00716	0.00670	0.00299
Lead	Not Applicable	0.15	1/5	0.00591	0.00591	0.00150	0.00238	0.00197	0.00197
Mercury	Not Applicable	0.2	1/5	0.00037	0.00037	0.000100	0.000163	0.000139	0.000117
Nickel	Not Applicable	2	2/5	0.00223	0.00223	0.0200	0.0146	0.0114	0.00799
Inorganics-Filtered									
Barium	50	100	3/5	0.028	0.054	0.0330	0.0480	0.0416	0.0312
Copper	Not Listed	Not Listed	1/5	0.0014	0.0014	0.0125	0.0353	0.0161	0.0406
Cyanide	0.03	2	1/4	0.0053	0.0053	0.00500	0.00508	0.00507	0.000150
Lead	0.01	0.15	1/5	0.00454	0.00454	0.00150	0.00211	0.00187	0.00136
Mercury	0.02	0.2	1/5	0.00041	0.00041	0.000100	0.000171	0.000142	0.000135
Nickel	0.2	2	1/5	0.002	0.002	0.0200	0.0174	0.0132	0.00888
Vanadium	4	40	2/5	0.0013	0.00174	0.0250	0.0180	0.0129	0.0104
Zinc	0.9	50	1/5	0.0079	0.0079	0.0100	0.0126	0.0114	0.00701

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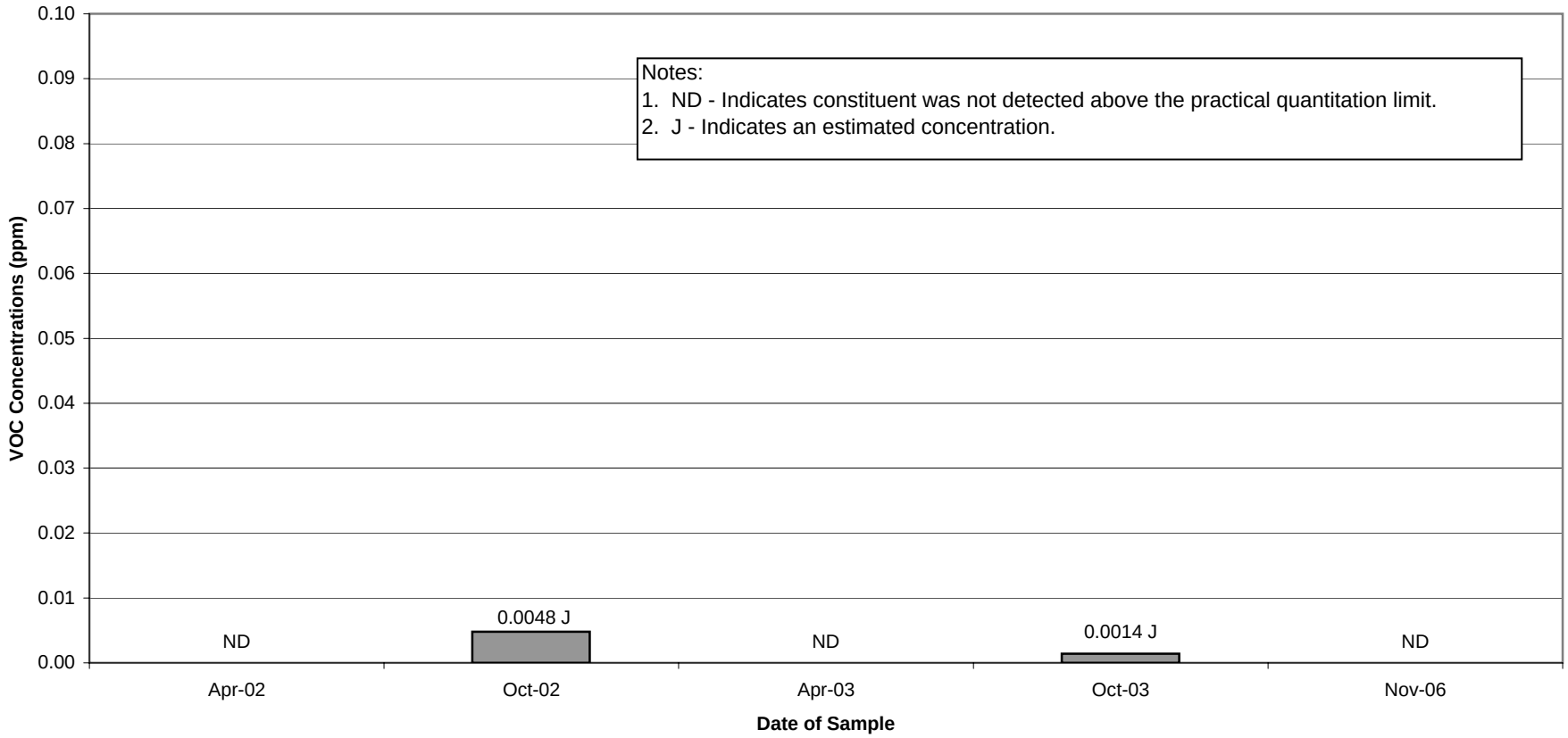
Total VOC Concentrations

Appendix D

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-1 Historical Total VOC Concentrations



G:\GE\GE_Pittsfield_CD_GMA_5\Reports and Presentations\Final Baseline Rpt_Long Term Prop\
2237AppD_VOC.xlsGMA5-1

4/27/2007

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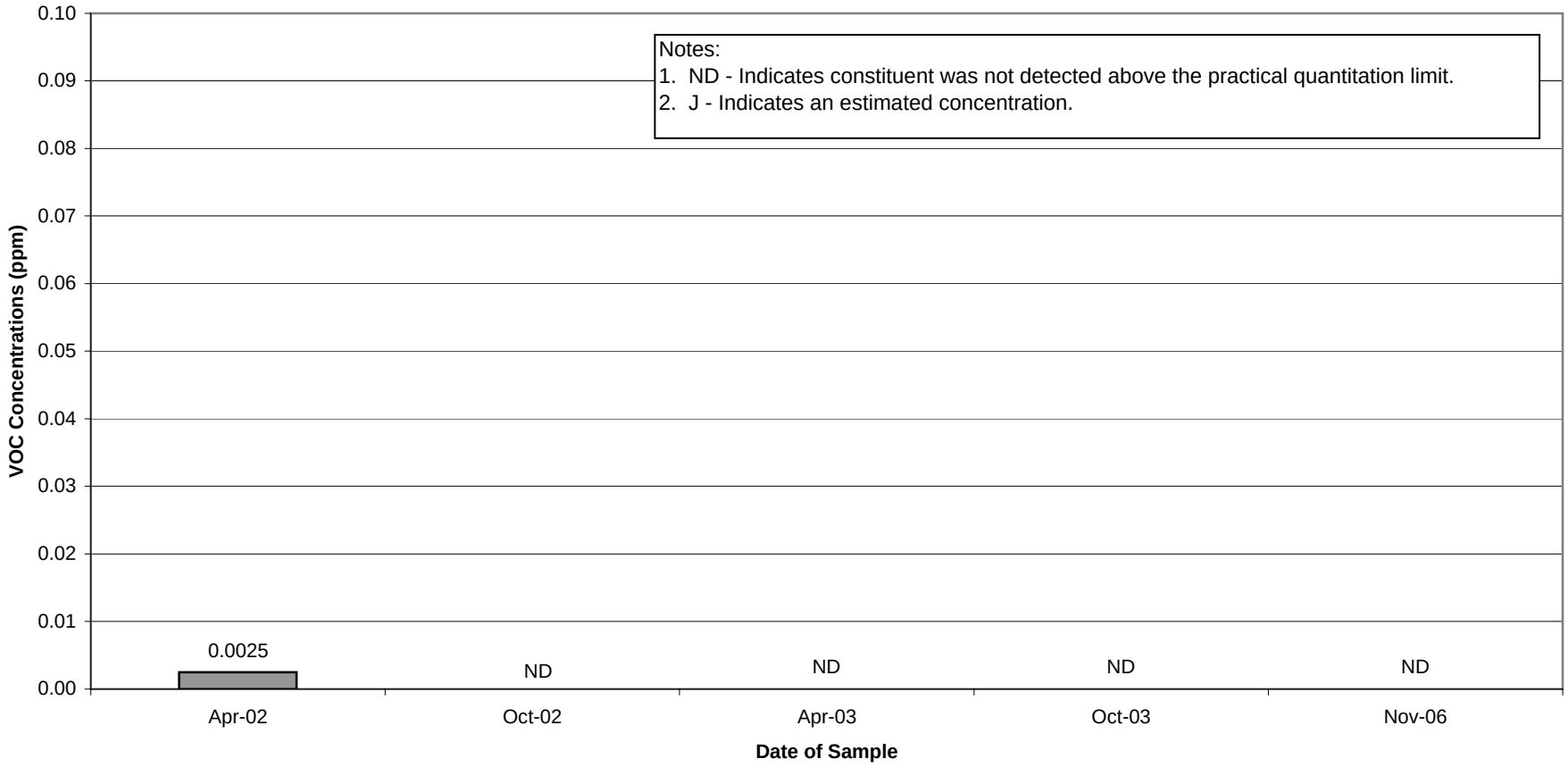
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-2 Historical Total VOC Concentrations



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2237AppD_VOC.xlsGMA5-2

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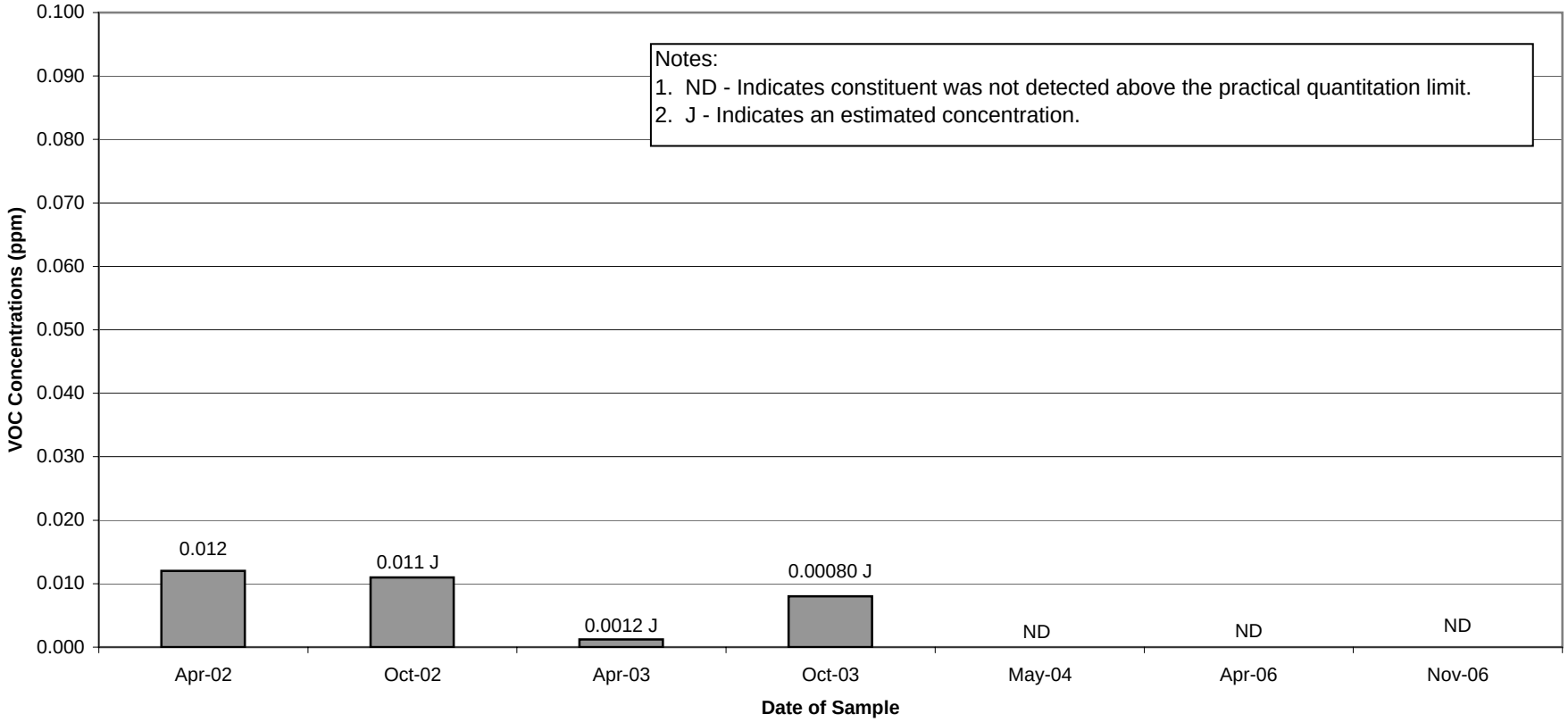
Groundwater Management Area 5
General Elctric Company
Pittsfield, Massachusetts

Well GMA5-3 Historical Total VOC Concentrations



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2237AppD_VOC.xlsGMA5-3

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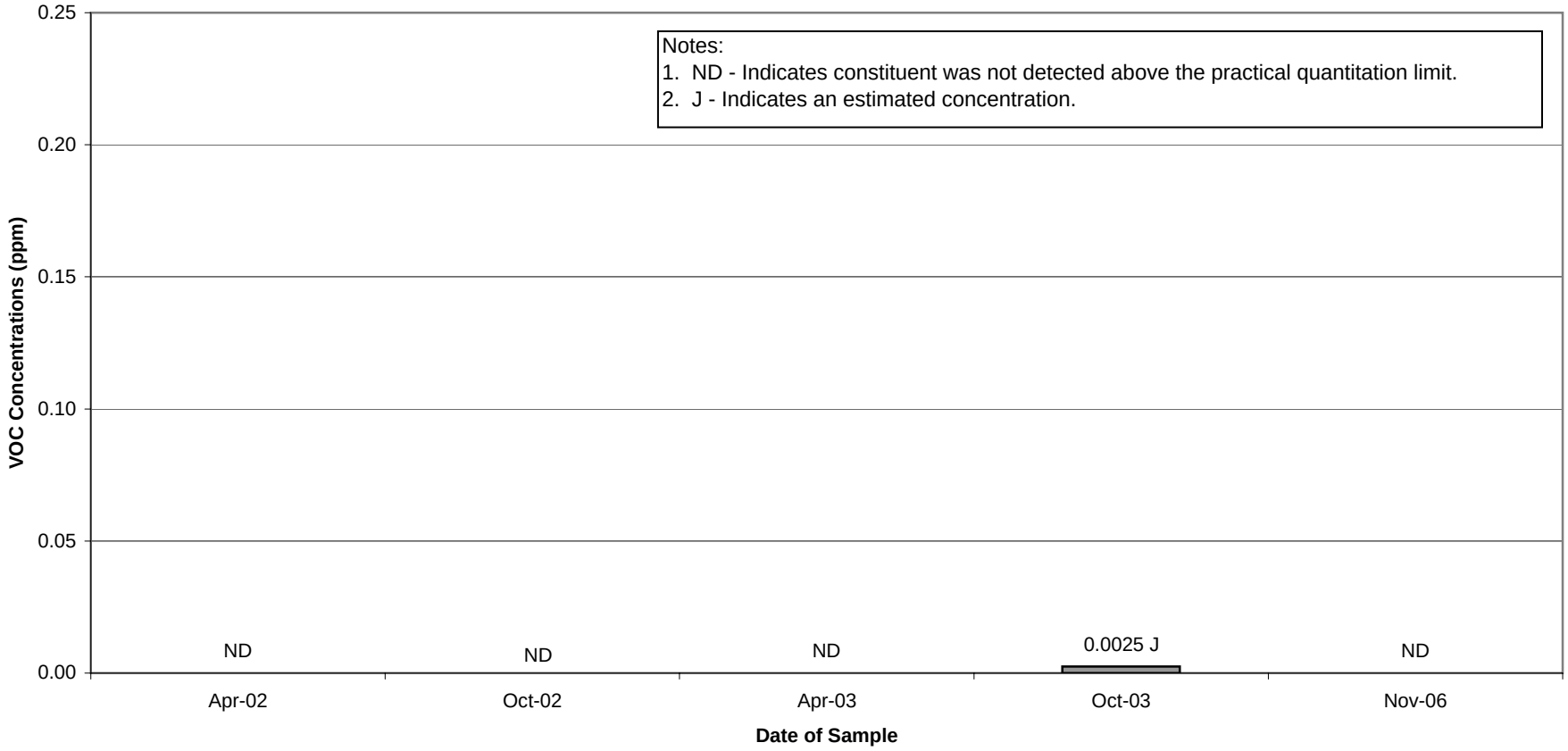
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-4 Historical Total VOC Concentrations



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2237AppD_VOC.xlsGMA5-4

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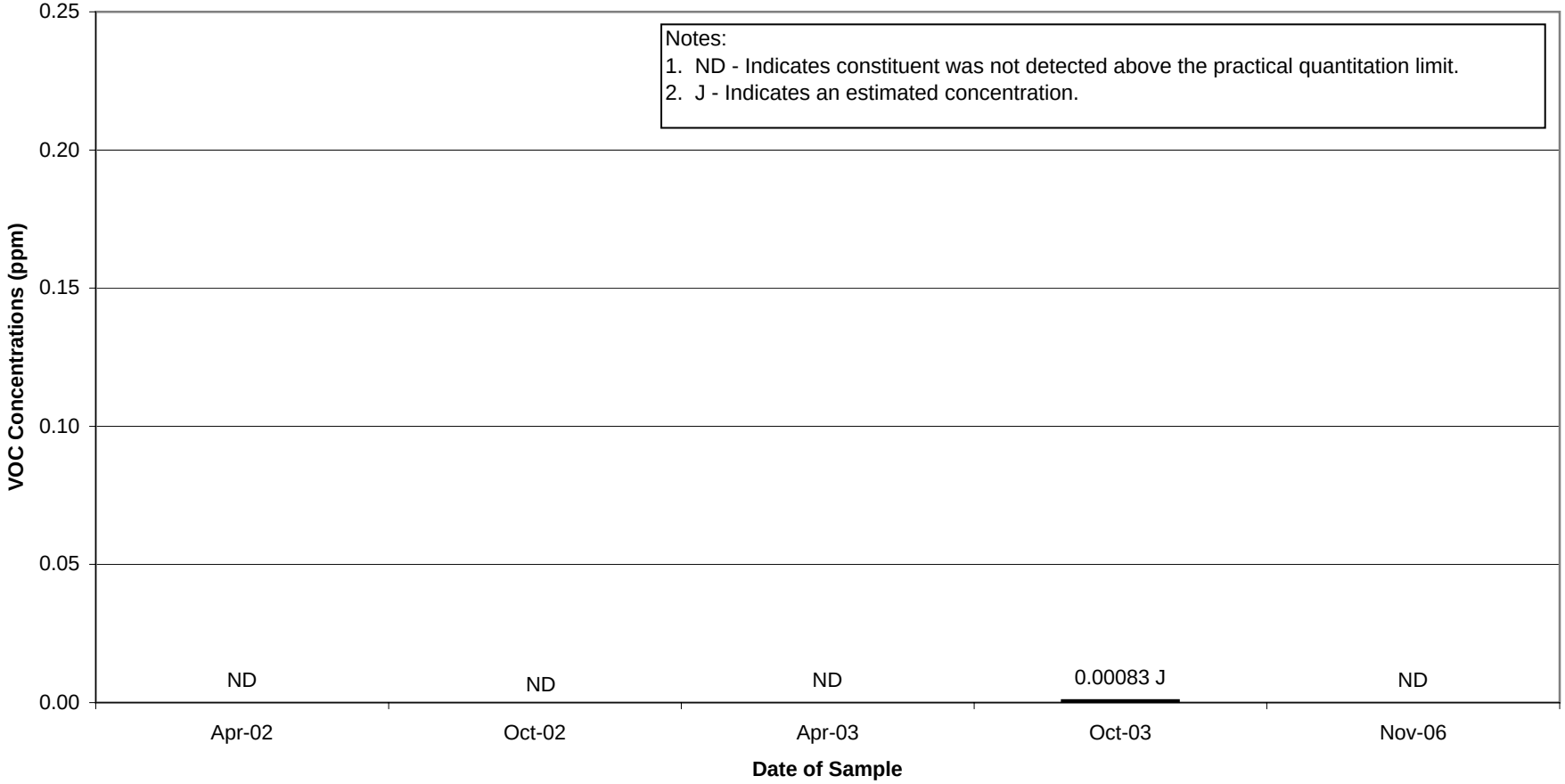
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-5 Historical Total VOC Concentrations



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2237AppD_VOC.xlsGMA5-5

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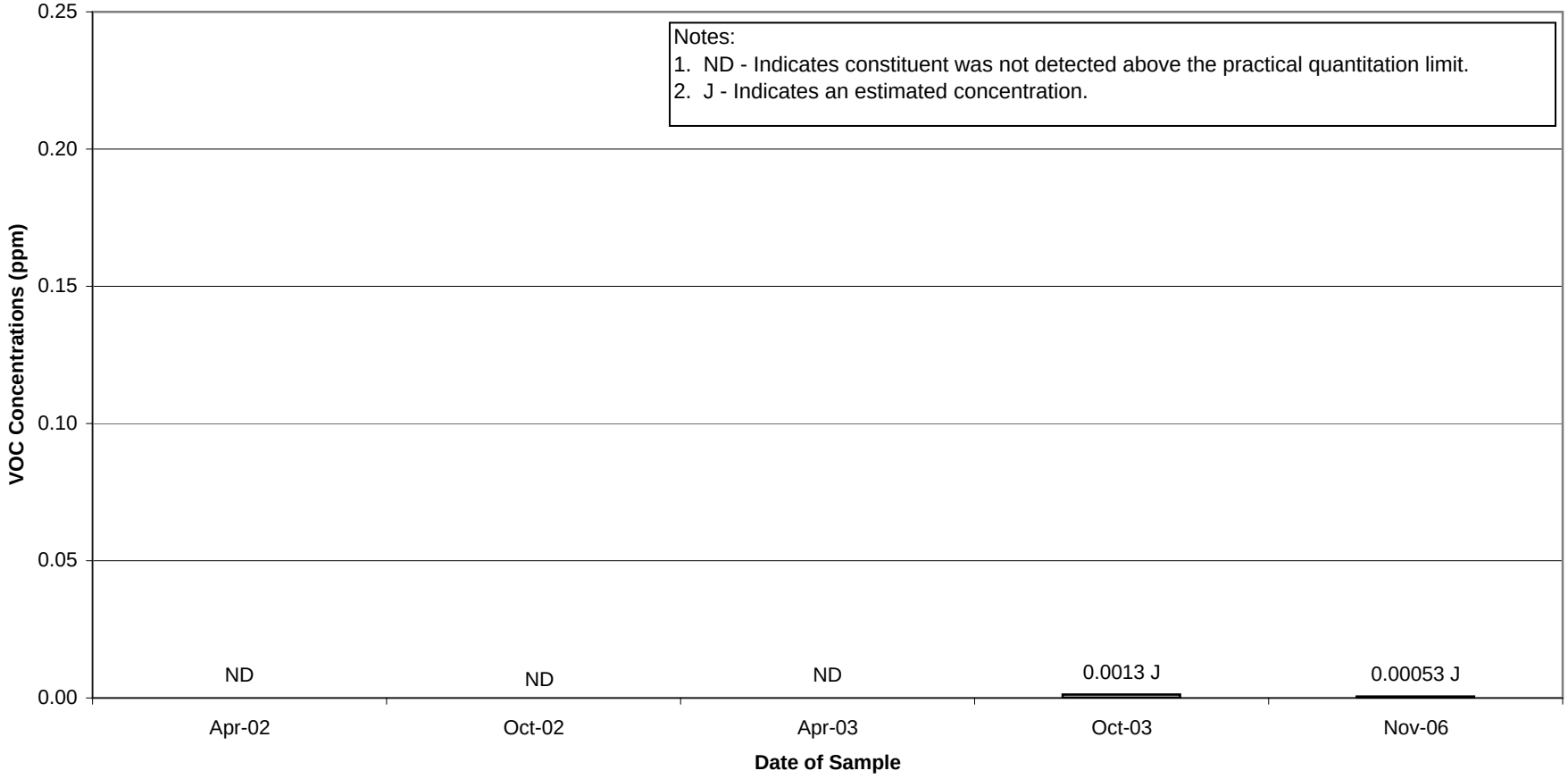
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-6 Historical Total VOC Concentrations



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2237AppD_VOC.xlsGMA5-6

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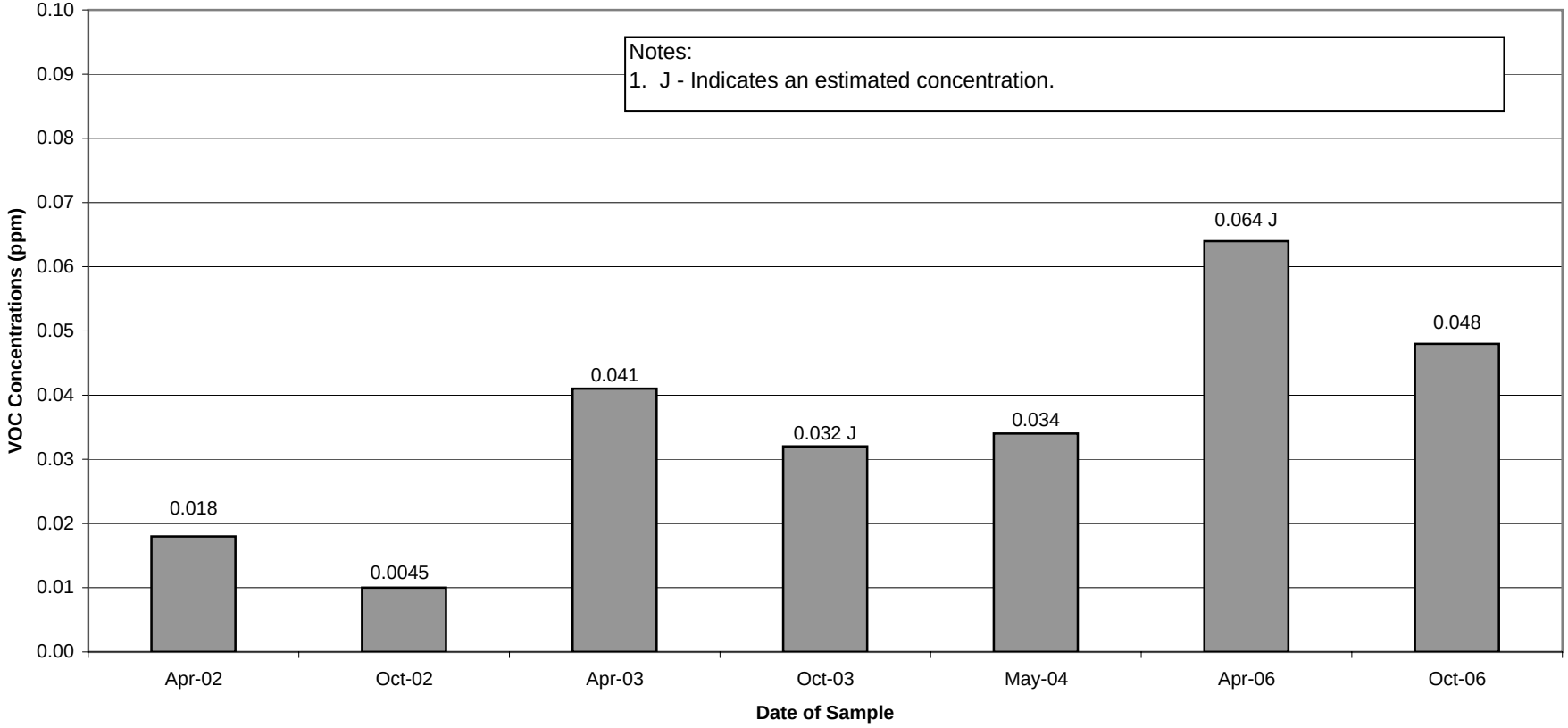
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-7 Historical Total VOC Concentrations



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2237AppD_VOC.xlsGMA5-7

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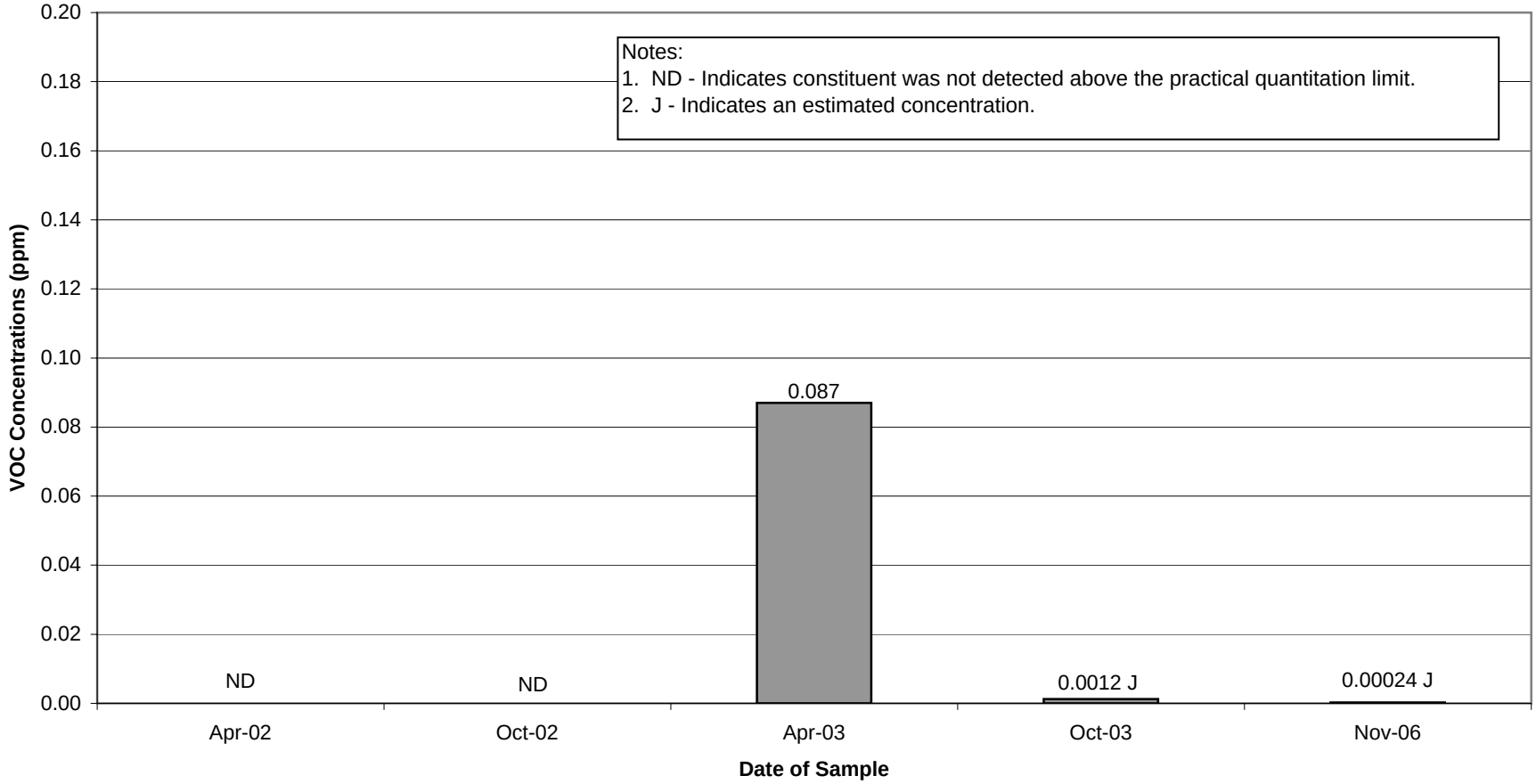
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-8 Historical Total VOC Concentrations



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2237AppD_VOC.xlsGMA5-8

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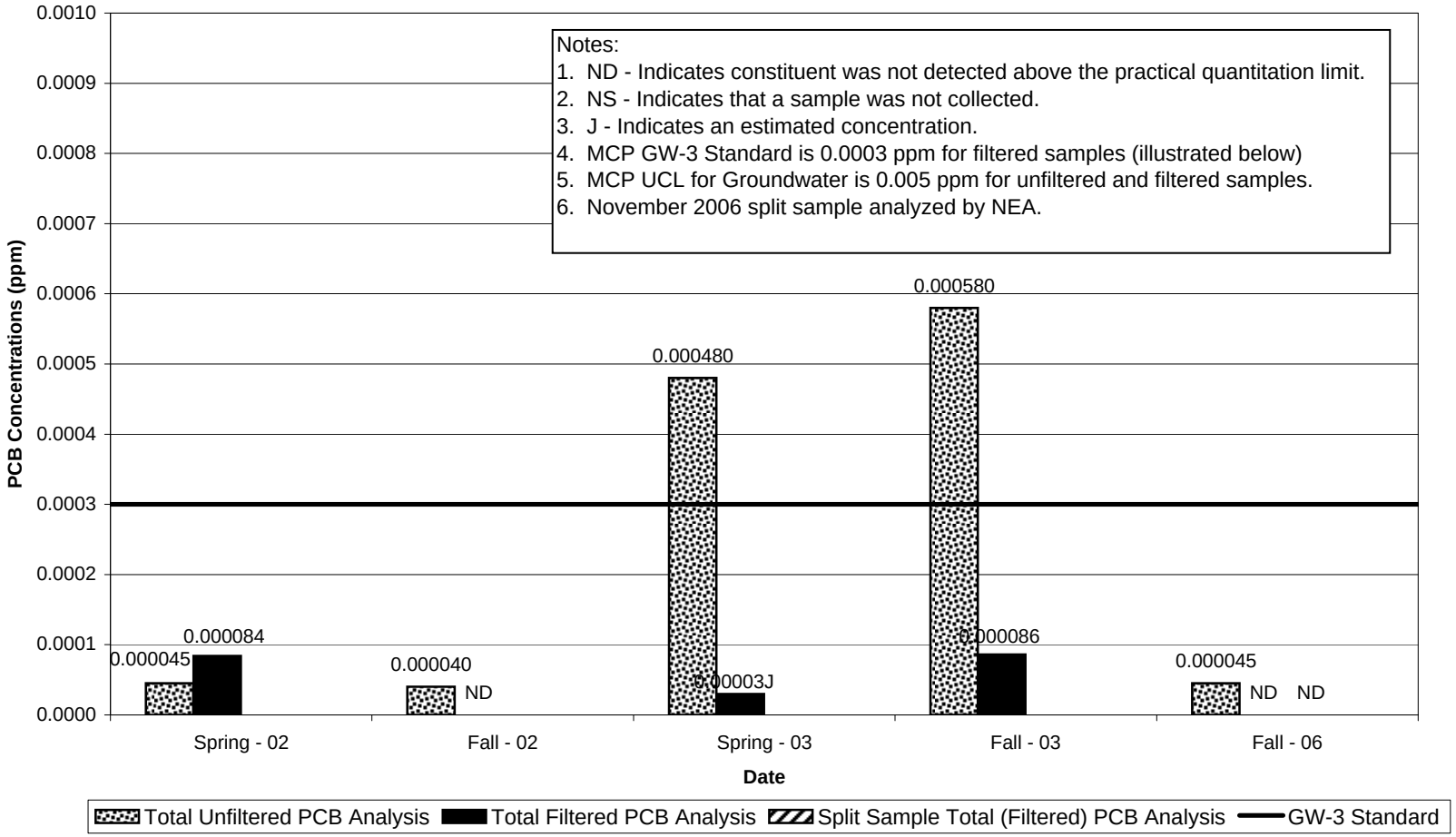
Total PCB Concentrations

Appendix D

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-1 Historical Filtered PCB Concentrations



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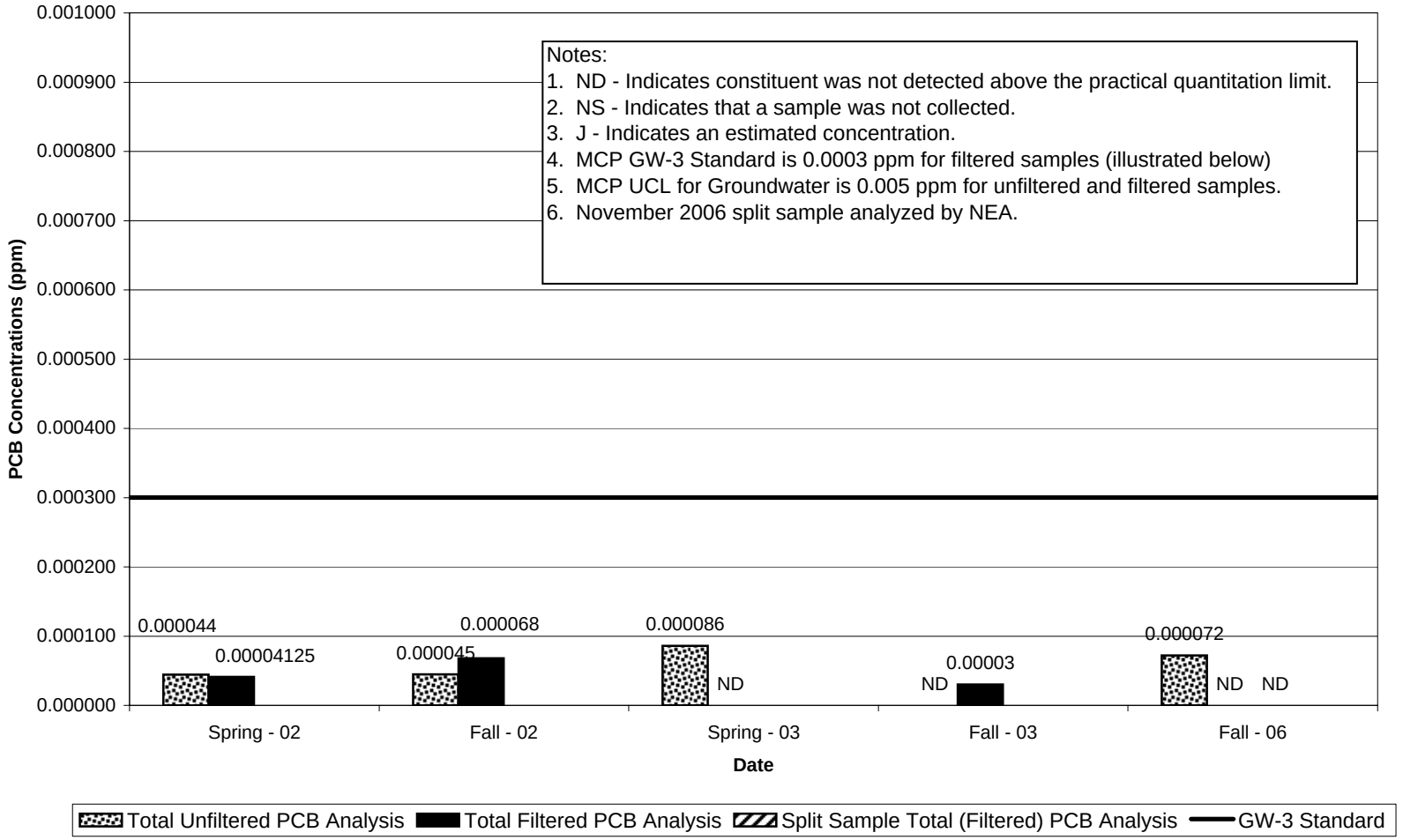
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-2 Historical Filtered PCB Concentrations



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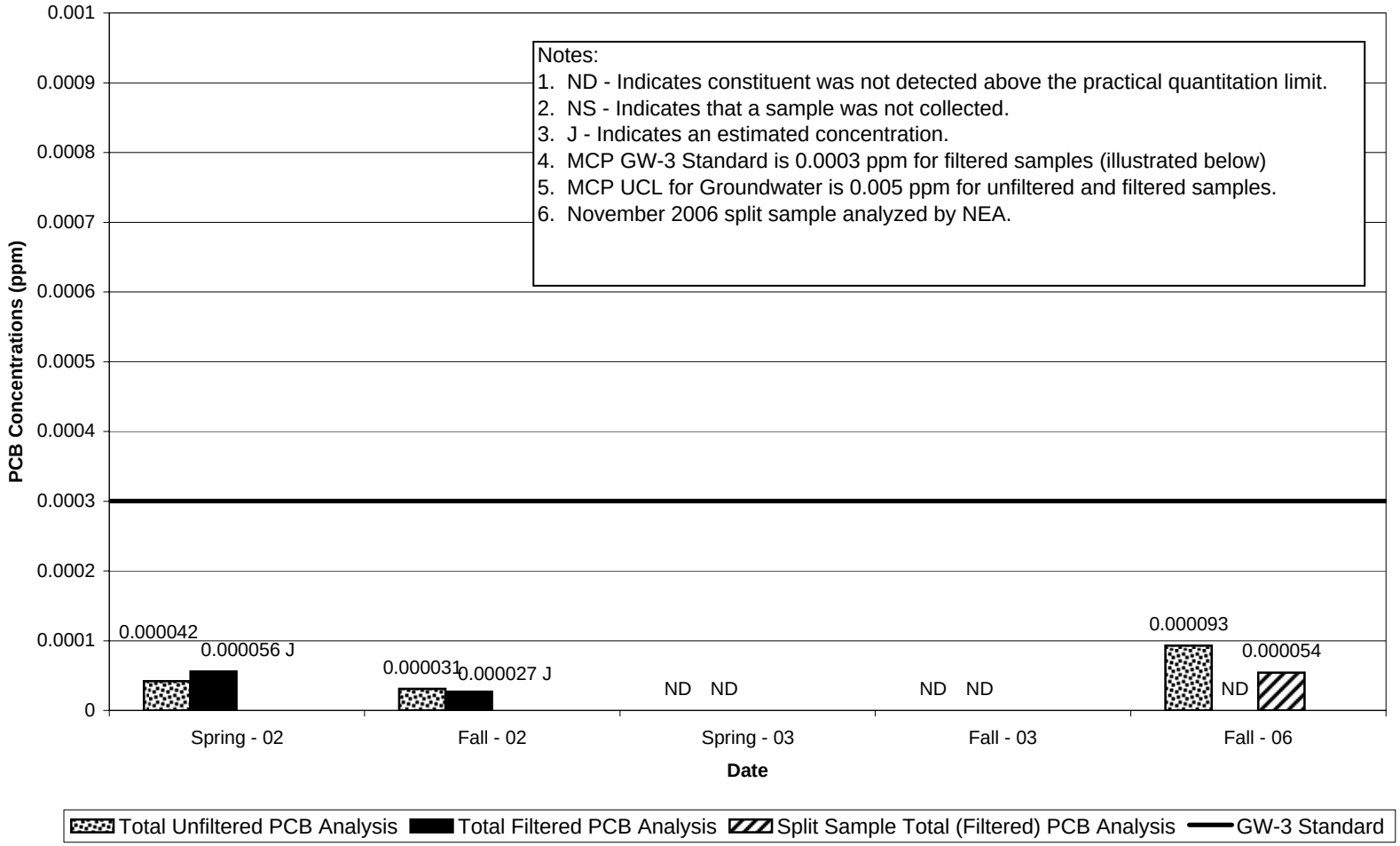
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-3 Historical Filtered PCB Concentrations



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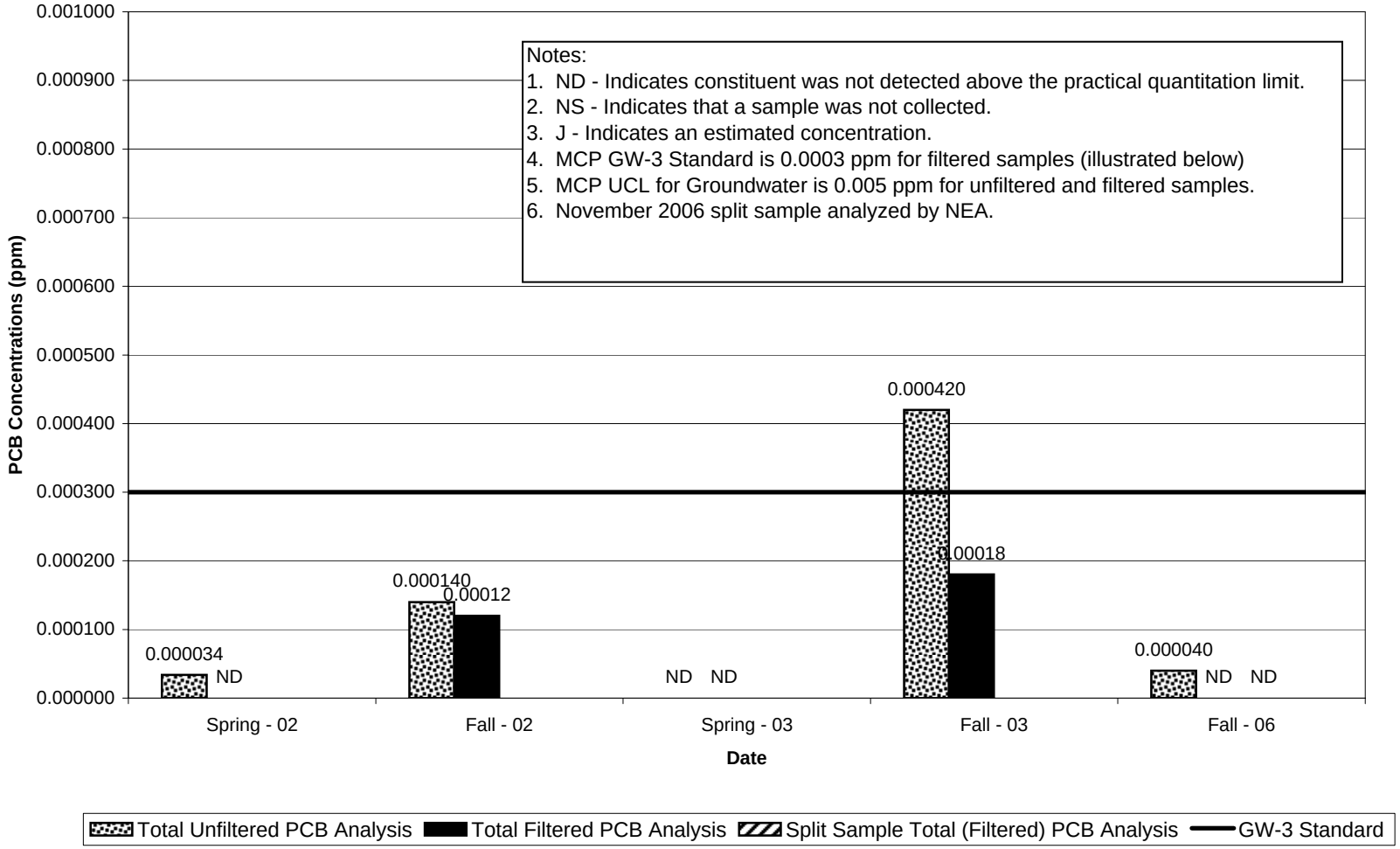
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-4 Historical Filtered PCB Concentrations



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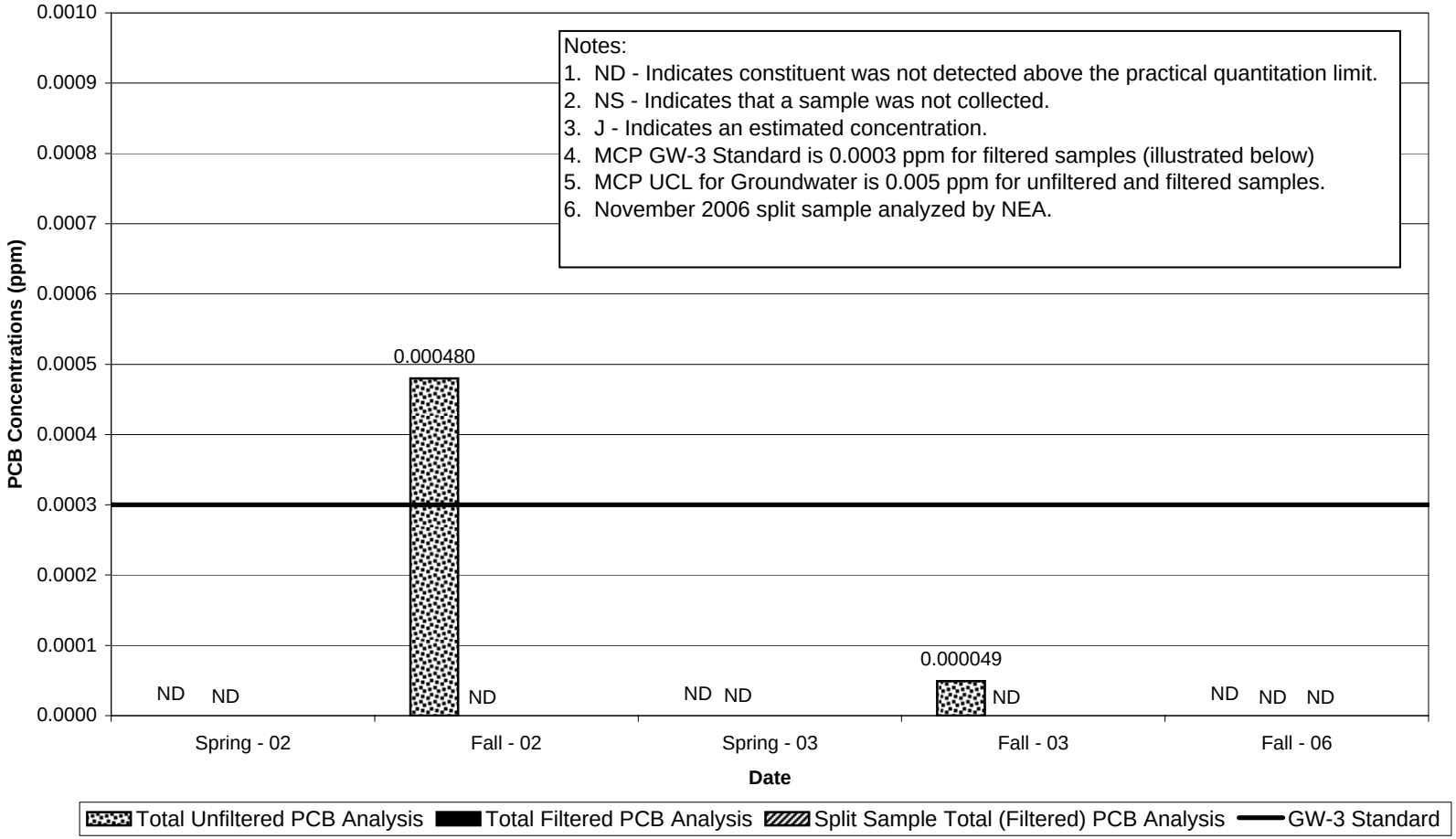
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-5 Historical Filtered PCB Concentrations



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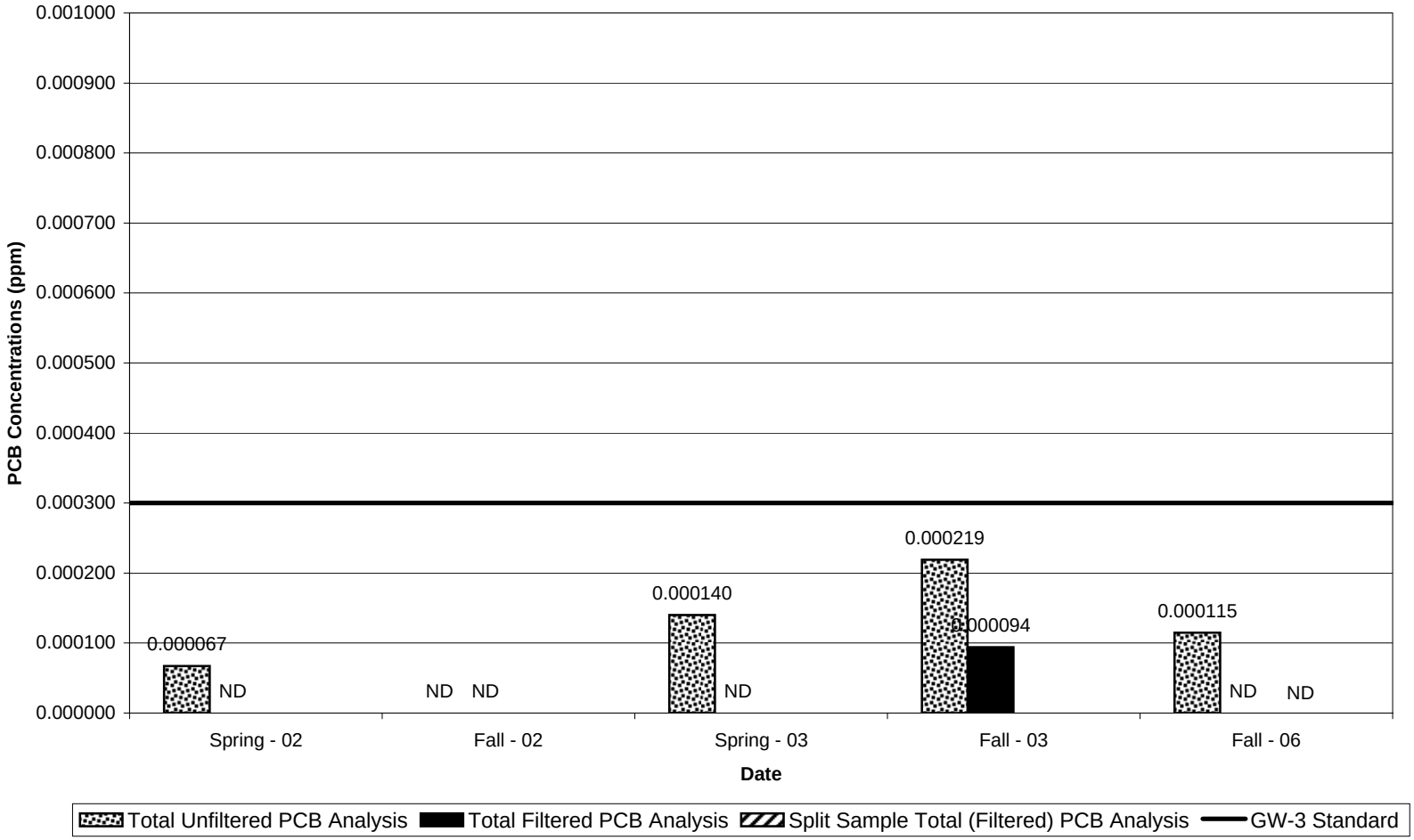
Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

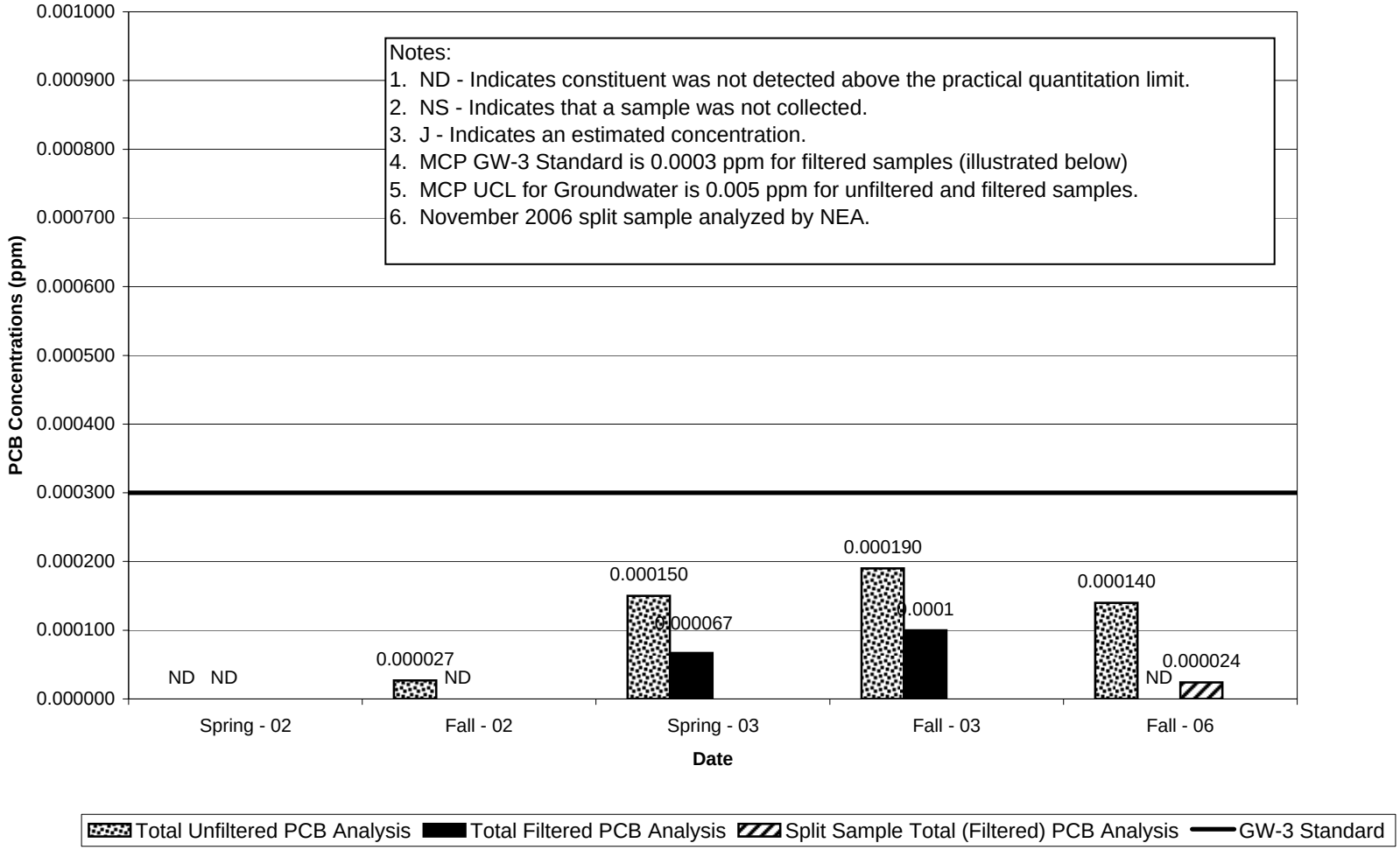
Well GMA5-6 Historical Filtered PCB Concentrations



Appendix D

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

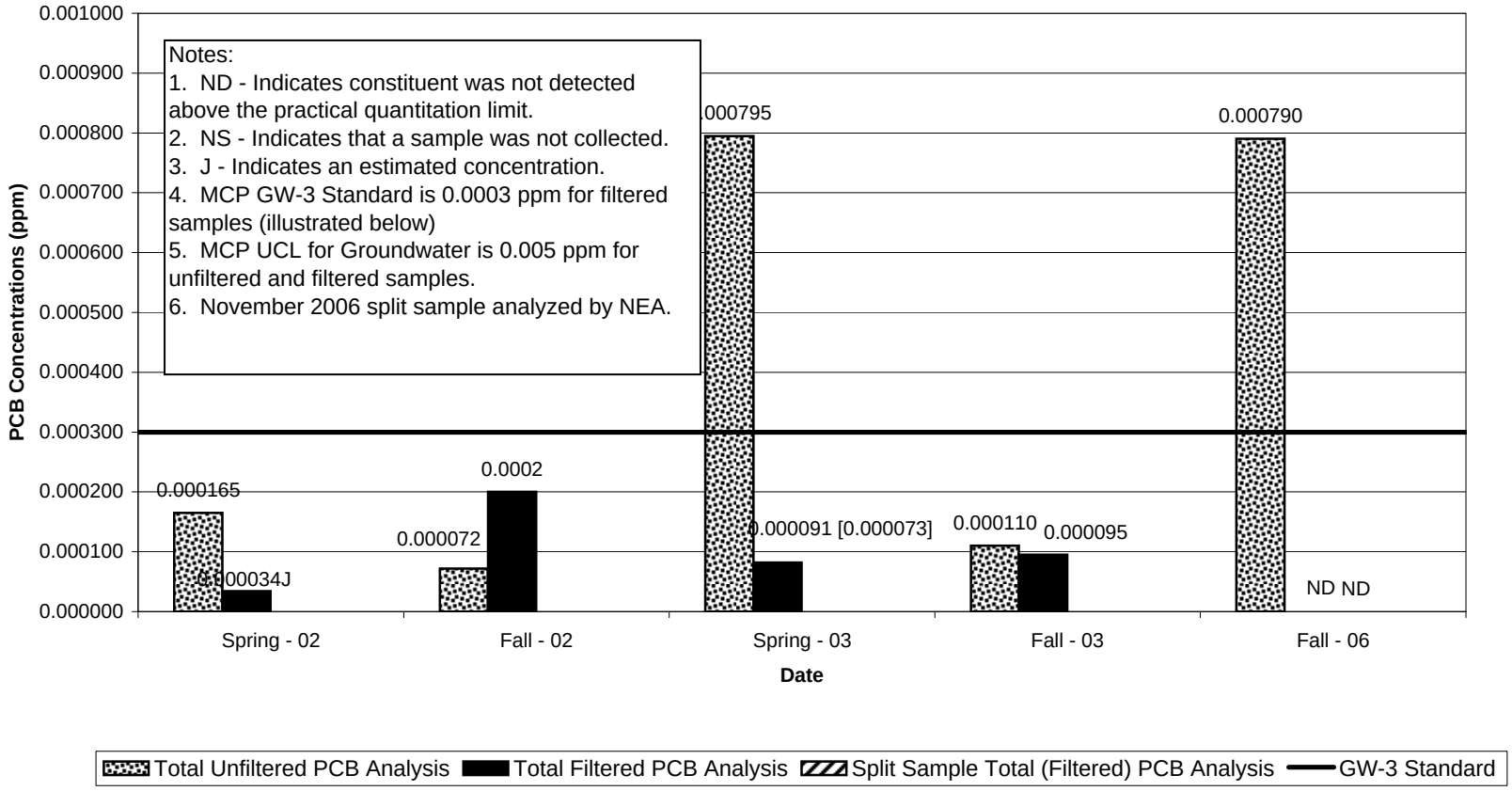
Well GMA5-7 Historical Filtered PCB Concentrations



Appendix D

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-8 Historical Filtered PCB Concentrations



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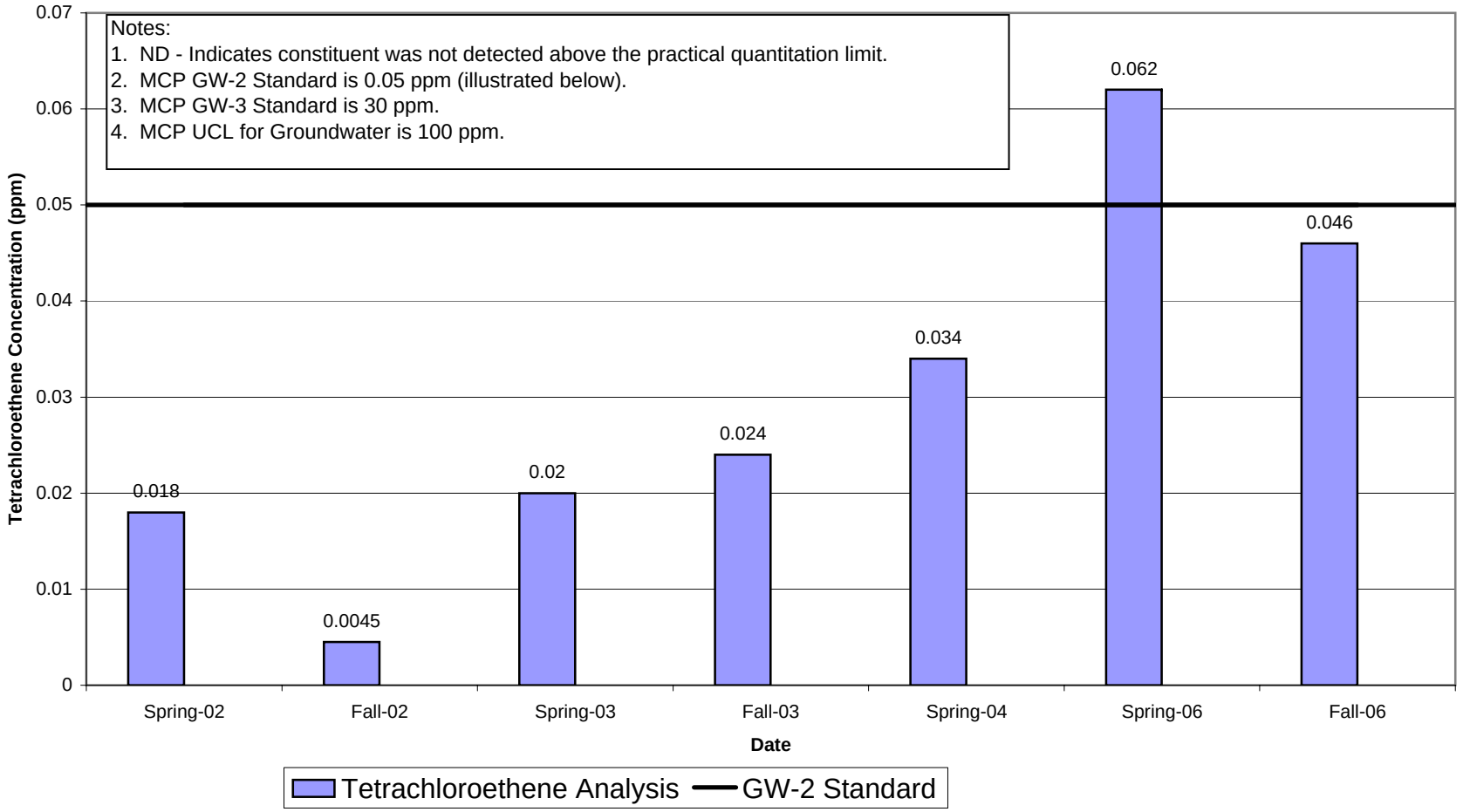
Tetrachloroethene Concentrations – Well GMA5-7

Appendix D

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-7 Historical Tetrachloroethene Concentrations



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2237AppD_IndConst.xlsTetrachloroethene_GMA5-7

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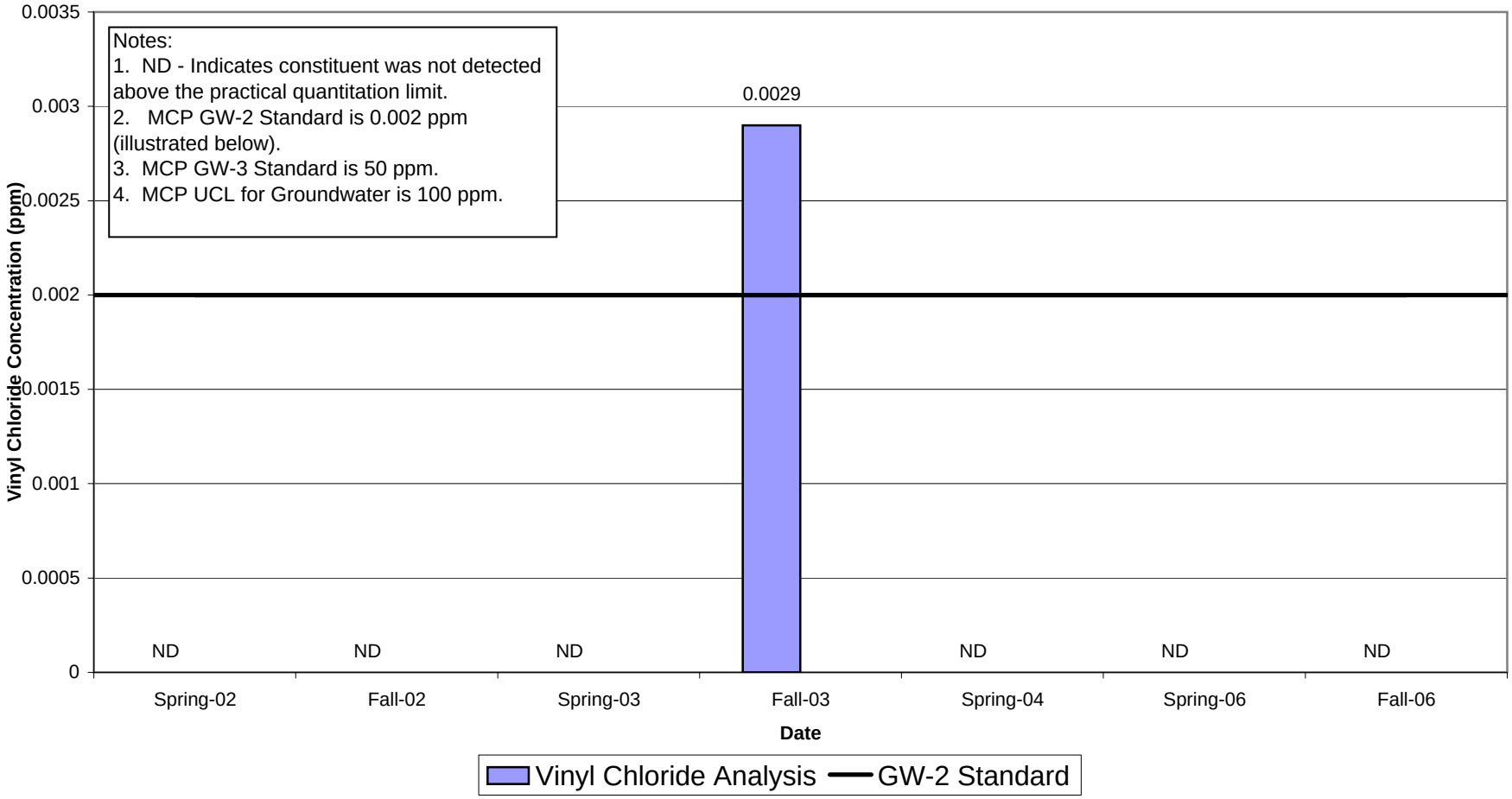
Vinyl Chloride Concentrations –
Well GMA5-7

Appendix D

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-7 Historical Vinyl Chloride Concentrations



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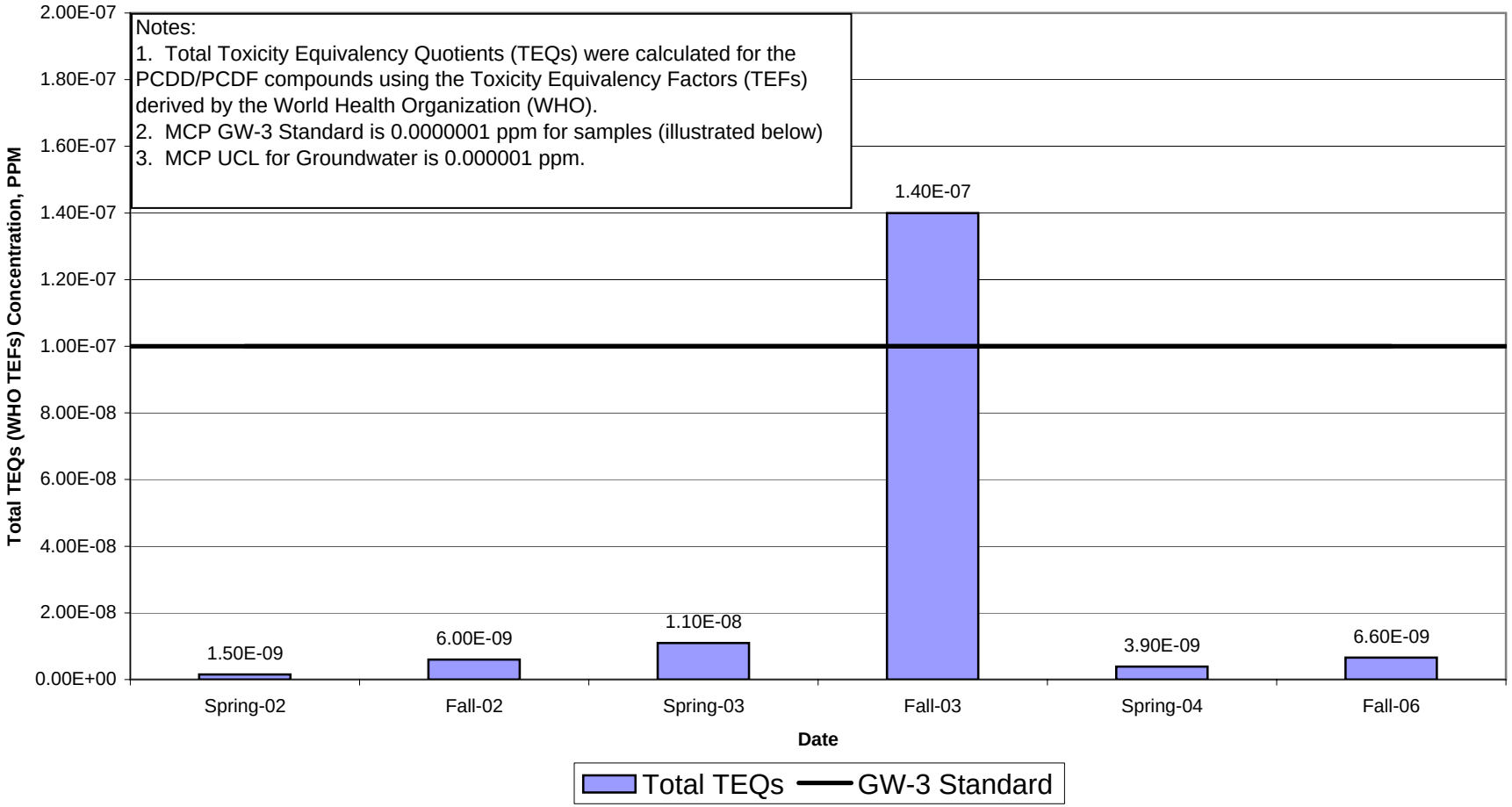
PCDD/PCDF Total TEQs –
Well GMA5-3

Appendix D

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-3 Historical PCDD/PCDF Total TEQs



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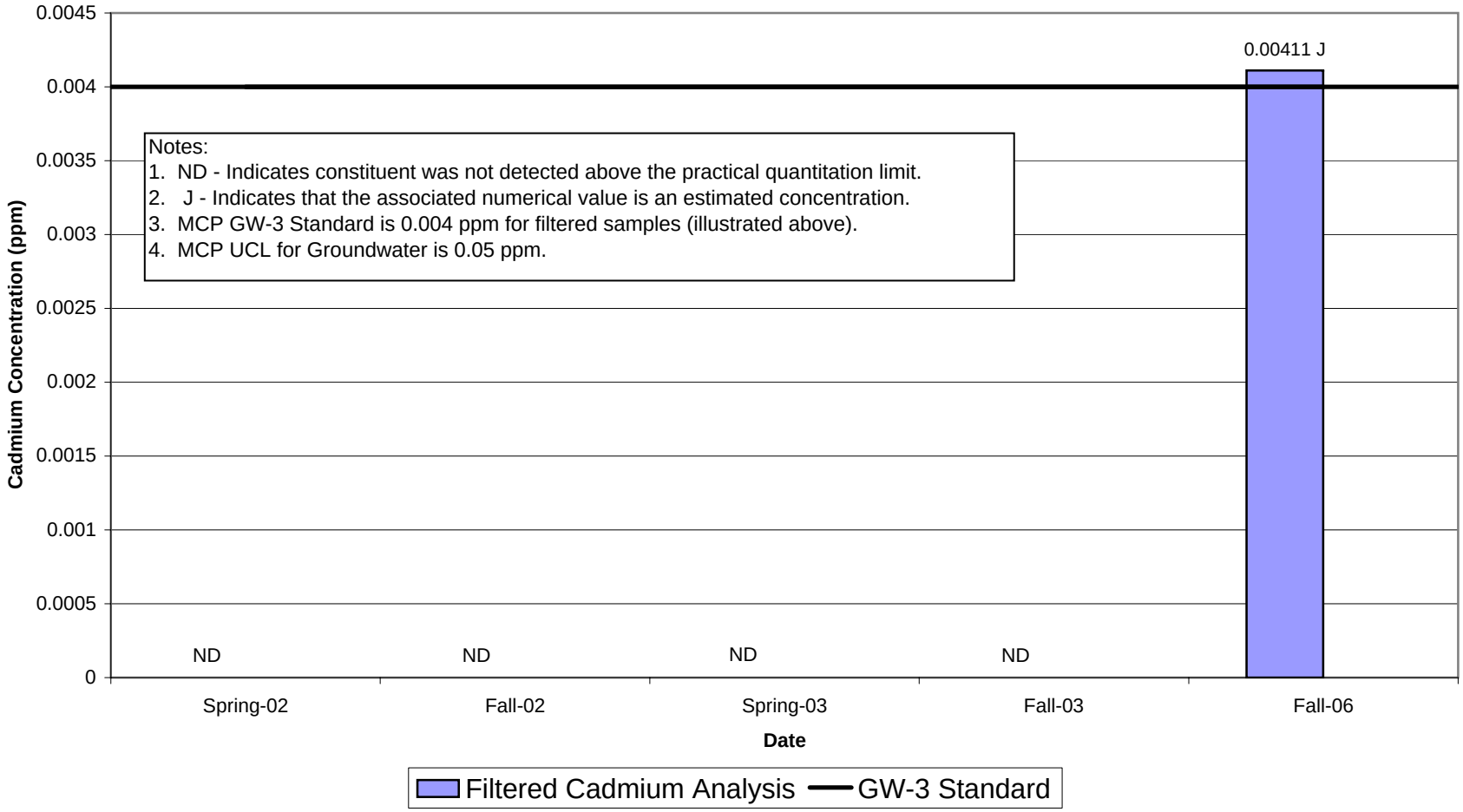
Cadmium Concentrations –
Well GMA5-4

Appendix D

Groundwater Management Area 5
General Electric Company
Pittsfield, Massachusetts

Well GMA5-4 Historical Cadmium Concentrations (Filtered Analysis)



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Appendix E

Data Validation Reports – Fall 2006

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Appendix E-1

Data Validation Report for
Samples Analyzed by SGS
Environmental Services, Inc.

Appendix E-1
Groundwater Sampling Data Validation Report (SGS)
Groundwater Management Area 5 - Fall 2006

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 Groundwater Management Area 5 (GMA 5), located at the General Electric Company/Housatonic River Site in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for 19 PCB samples, 15 volatile organic compound (VOC) samples, ten semi-volatile organic compound (SVOC) samples, ten polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples, 20 metal samples, ten pesticide samples, ten herbicide samples, and 19 cyanide/sulfide samples.

2.0 Data Evaluation Procedures

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

- *Field Sampling Plan/Quality Assurance Project Plan, 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 E-1. Each sample subjected to evaluation is listed in Table E-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 E-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 E-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 Tier II review was performed to resolve data usability limitations identified from laboratory qualification of the data. 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. 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. A tabulated summary of the samples subjected to Tier I and Tier II data evaluations 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	16	1	2	19
VOCs	0	0	0	8	6	1	15
SVOCs	0	0	0	8	1	1	10
PCDDs/PCDFs	0	0	0	8	1	1	10
Pesticides	0	0	0	8	1	1	10
Herbicides	0	0	0	8	1	1	10
Metals	0	0	0	16	2	2	20
Cyanide/Sulfide	0	0	0	16	1	2	19
Total	**0**	**0**	**0**	**88**	**14**	**11**	**113**

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	1,2-Dibromo-3-chloropropane	15	J
	1,4-Dioxane	13	J
	2-Chloroethylvinylether	12	J
	Acetone	13	J
	Acetonitrile	13	J
	Acrolein	15	J
	Acrylonitrile	13	J
	Isobutanol	13	J
	Propionitrile	13	J
	trans-1,4-Dichloro-2-butene	12	J

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	4-Nitroquinoline-1-oxide	9	J
	4-Phenylenediamine	10	J
	a,a'-Dimethylphenethylamine	10	J
	Aramite	9	J
	Benzidine	10	J
	Hexachlorophene	3	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	2-Butanone	3	J
SVOCs	2-Naphthylamine	1	J
	Kepone	3	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).

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% and pesticides and PCBs be less than 15%. 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	2-Butanone	1	J
	2-Chloroethylvinylether	1	J
	2-Hexanone	1	J
	4-Methyl-2-pentanone	1	J
	Acetone	7	J
	Acrolein	1	J
	Bromomethane	6	J
	Iodomethane	11	J
	Trichlorofluoromethane	1	J
	Vinyl Acetate	12	J
SVOCs	2,4,5-Trichlorophenol	1	J
	2,4-Dimethylphenol	1	J
	2-Acetylaminofluorene	1	J
	2-Naphthylamine	1	J
	2-Picoline	5	J
	3&4-Methylphenol	3	J
	3,3'-Dichlorobenzidine	1	J
	3-Nitroaniline	2	J
	4-Chloroaniline	4	J
	4-Nitrophenol	2	J
	4-Nitroquinoline-1-oxide	6	J
	5-Nitro-o-toluidine	1	J
	a,a'-Dimethylphenethylamine	10	J
	Aniline	1	J
	Aramite	1	J
	Benzidine	1	J
	bis(2-Ethylhexyl)phthalate	1	J
	Dibenzo(a,h)anthracene	1	J
	Di-n-Octylphthalate	1	J
	Hexachlorocyclopentadiene	1	J
	Hexachlorophene	3	J
	Hexachloropropene	1	J
	Indeno(1,2,3-cd)pyrene	1	J
	Kepone	4	J
	Methapyrilene	4	J
	o-Toluidine	1	J
	Phenacetin	4	J
	Pyridine	2	J

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	Aroclor-1016	1	J
	Aroclor-1221	1	J
	Aroclor-1232	1	J
	Aroclor-1242	1	J
	Aroclor-1248	1	J
	Aroclor-1254	1	J
	Aroclor-1260	1	J
	Total PCBs	1	J
Pesticides	4,4'-DDE	8	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	10	J
	Barium	10	J
	Beryllium	13	J
	Cadmium	11	J
	Chromium	15	J
	Cobalt	8	J
	Copper	14	J
	Lead	12	J
	Nickel	14	J
	Selenium	20	J
	Silver	6	J
	Thallium	20	J
	Zinc	16	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). Associated non-detect organic sample results that exhibited MS/MSD recoveries below 10% were qualified as rejected (R). The compounds that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	2-Chloroethylvinylether	1	R
SVOCs	2,4-Dimethylphenol	1	J
	2-Methylphenol	1	J
	4-Chloro-3-Methylphenol	1	J
	Pyridine	1	J

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

Compounds Qualified Due to MS/MSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	1,2,4-Trichlorobenzene	1	J
	1,2-Dichlorobenzene	1	J
	1,3-Dinitrobenzene	1	J
	1,4-Dichlorobenzene	1	J
	2,4,5-Trichlorophenol	1	J
	2,4-Dichlorophenol	1	J
	2,4-Dimethylphenol	1	J
	2,4-Dinitrophenol	1	J
	2,4-Dinitrotoluene	1	J
	2,6-Dinitrotoluene	1	J
	2-Chloronaphthalene	1	J
	2-Chlorophenol	1	J
	2-Methylnaphthalene	1	J
	2-Methylphenol	1	J
	2-Nitroaniline	1	J
	2-Nitrophenol	1	J
	3&4-Methylphenol	1	J
	3,3'-Dichlorobenzidine	1	J
	3-Nitroaniline	1	J
	4,6-Dinitro-2-methylphenol	1	J
	4-Bromophenyl-phenylether	1	J
	4-Chloro-3-Methylphenol	1	J
	4-Chloroaniline	1	J
	4-Chlorophenyl-phenylether	1	J
	4-Nitrophenol	1	J
	Acenaphthene	1	J
	Acenaphthylene	1	J

Compounds Qualified Due to MS/MSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs (continued)	Anthracene	1	J
	Benzo(a)anthracene	1	J
	Benzo(a)pyrene	1	J
	Benzo(b)fluoranthene	1	J
	Benzo(k)fluoranthene	1	J
	Benzyl Alcohol	1	J
	bis(2-Chloroethoxy)methane	1	J
	bis(2-Chloroethyl)ether	1	J
	bis(2-Chloroisopropyl)ether	1	J
	bis(2-Ethylhexyl)phthalate	1	J
	Butylbenzylphthalate	1	J
	Chrysene	1	J
	Dibenzofuran	1	J
	Diethylphthalate	1	J
	Dimethylphthalate	1	J
	Di-n-Butylphthalate	1	J
	Di-n-Octylphthalate	1	J
	Diphenylamine	1	J
	Fluoranthene	1	J
	Fluorene	1	J
	Hexachlorobenzene	1	J
	Hexachlorobutadiene	1	J
	Hexachlorocyclopentadiene	1	J
	Hexachloroethane	1	J
	Indeno(1,2,3-cd)pyrene	1	J
	Isophorone	1	J
	Naphthalene	1	J
	Nitrobenzene	1	J
	N-Nitroso-di-n-propylamine	1	J
	Pentachlorophenol	1	J
	Phenanthrene	1	J
	Phenol	1	J
	Pyrene	1	J

Laboratory control sample (LCS) analysis recovery criteria for organics must be within the laboratory-generated QC acceptance limits specified on the LCS reporting form. Organic sample results associated with an LCS that exceeded laboratory-generated QC acceptance limits and exhibited a recovery greater than 10% were qualified as estimated (J). Associated non-detect organic sample results that exhibited LCS recoveries below 10% were qualified as rejected (R). The compounds that did not meet LCS recovery criteria and the number of samples qualified due to those deviations are presented below.

Compounds Qualified Due to LCS Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Iodomethane	1	J
SVOCs	4-Nitroaniline	4	R
	Benzo(g,h,i)perylene	3	R
	Dibenzo(a,h)anthracene	4	R
	Pyridine	7	R
		3	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/analytical 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
Inorganics	Barium	12	U
	Beryllium	8	U
	Cadmium	9	U
	Chromium	12	U
	Cobalt	10	U
	Copper	15	U
	Lead	10	U
	Mercury	16	U
	Nickel	10	U
	Selenium	3	U
	Silver	12	U
	Vanadium	16	U
	Zinc	11	U
PCDDs/PCDFs	2,3,7,8-TCDF	1	U
	OCDD	2	U
	TCDFs (total)	1	U
VOCs	Chloromethane	3	U
	Methylene Chloride	5	U
	Toluene	1	U
	Xylenes (total)	1	U

USEPA Region II validation guidelines of pesticide analysis require that the percent difference (%D) between detected pesticide sample results identified by confirmation column be less than 25%D. Region II guidelines also state that detected pesticide sample results less than the limit of quantitation (LOQ) which exhibit a %D greater than 50% are to be qualified as non-detect. The compounds that did not meet confirmation column %D criteria and the number of samples qualified due to those deviations are presented below.

Compounds Qualified Due to Confirmation Column Deviations

Analysis	Compound	Number of Affected Samples	Qualification
Pesticides	Endrin Aldehyde	1	U
	Dieldrin	1	U
	4,4'-DDE	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
Metals	100	None
Cyanide and Sulfide	100	None
Pesticides/Herbicidies	100	None
VOCs	99.9	A total of one sample result was rejected due to MS/MSD recovery deviations.
SVOCs	98.4	A total of 18 sample results were rejected due to LCS recovery deviations.
PCBs	100	None
PCDDs/PCDFs	100	None

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

5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included laboratory duplicates, field duplicates, MS/MSD samples, and ICP serial dilution samples. For this analytical program, 2.0% of the data required qualification due to MS/MSD RPD deviations. None of the data required qualification due to field duplicate RPD deviations, laboratory duplicate RPD deviations or ICP serial dilution 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, LCSs, MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 10.4% of the data required qualification due to instrument calibration deviations, 0.17% of the data required qualification due to MS/MSD recovery deviations, 5.6% of the data required qualification due to CRDL recovery deviations, and 0.73% of the data required qualification due to LCS recovery deviations. None of the data required qualification due to internal standard 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 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. The actual completeness of this analytical data set ranged from 98.4% to 100% for individual analytical parameters and had an overall usability of 99.4%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

The rejected sample data for these investigations include sample analyses results for 18 SVOCs due to low LCS recoveries and one VOC due to a low MS/MSD recovery. Reanalysis has demonstrated matrix interference and the same analytical performance limitations for the analysis could occur again; therefore, resampling at this location is not recommended.

[1] Test Methods for evaluating Solid Waste, SW-846, USEPA, Final Update III, December 1996.

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
G135-226	GMA5-1	11/15/2006	Water	Tier II	No						
G135-226	GMA5-1 (Filtered)	11/15/2006	Water	Tier II	No						
G135-226	GMA5-4	11/15/2006	Water	Tier II	No						
G135-226	GMA5-4 (Filtered)	11/15/2006	Water	Tier II	No						
G135-226	GMA5-5	11/16/2006	Water	Tier II	Yes	Aroclor-1016	CCAL %D	36.3%	<15%	ND(0.00011) J	
						Aroclor-1221	CCAL %D	36.3%	<15%	ND(0.00011) J	
						Aroclor-1232	CCAL %D	36.3%	<15%	ND(0.00011) J	
						Aroclor-1242	CCAL %D	36.3%	<15%	ND(0.00011) J	
						Aroclor-1248	CCAL %D	36.3%	<15%	ND(0.00011) J	
						Aroclor-1254	CCAL %D	36.3%	<15%	ND(0.00011) J	
						Aroclor-1260	CCAL %D	36.3%	<15%	ND(0.00011) J	
						Total PCBs	CCAL %D	36.3%	<15%	ND(0.00011) J	
G135-226	GMA5-5 (Filtered)	11/16/2006	Water	Tier II	No						
G135-227	GMA5-6	11/17/2006	Water	Tier II	No						
G135-227	GMA5-6 (Filtered)	11/17/2006	Water	Tier II	No						
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	No						GMA5-6
G135-227	GMA5-Dup-1 (Filtered)	11/17/2006	Water	Tier II	No						GMA5-6 (Filtered)
G135-228	GMA5-2	11/20/2006	Water	Tier II	No						
G135-228	GMA5-2 (Filtered)	11/20/2006	Water	Tier II	No						
G135-228	GMA5-3	11/21/2006	Water	Tier II	No						
G135-228	GMA5-3 (Filtered)	11/21/2006	Water	Tier II	No						
G135-228	GMA5-7	11/20/2006	Water	Tier II	No						
G135-228	GMA5-7 (Filtered)	11/20/2006	Water	Tier II	No						
G135-229	GMA5-8	11/28/2006	Water	Tier II	No						
G135-229	GMA5-8 (Filtered)	11/28/2006	Water	Tier II	No						
G135-235	GMA-RB-120806	12/8/2006	Water	Tier II	No						
Pesticides											
G135-226	GMA5-1	11/15/2006	Water	Tier II	Yes	4,4'-DDE	CCAL %D	22.0%	<15%	ND(0.00030) J	
G135-226	GMA5-4	11/15/2006	Water	Tier II	Yes	4,4'-DDE	CCAL %D	22.0%	<15%	ND(0.00030) J	
G135-226	GMA5-5	11/16/2006	Water	Tier II	Yes	4,4'-DDE	CCAL %D	22.0%	<15%	ND(0.00030) J	
G135-227	GMA5-6	11/17/2006	Water	Tier II	Yes	4,4'-DDE	CCAL %D	22.0%	<15%	ND(0.00030) J	
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	Yes	4,4'-DDE	CCAL %D	22.0%	<15%	ND(0.00030) J	GMA5-6
G135-228	GMA5-2	11/20/2006	Water	Tier II	Yes	4,4'-DDE	CCAL %D	22.0%	<15%	ND(0.00030) J	
G135-228	GMA5-3	11/21/2006	Water	Tier II	Yes	Endrin Aldehyde	Confirmation Column %D	760%	<40%	ND(0.00030)	
						4,4'-DDE	CCAL %D	22.0%	<15%	ND(0.00030) J	
G135-228	GMA5-7	11/20/2006	Water	Tier II	Yes	Dieldrin	Confirmation Column %D	56.9%	<40%	ND(0.00030)	
						4,4'-DDE	CCAL %D	22.0%	<15%	ND(0.00030) J	
G135-229	GMA5-8	11/28/2006	Water	Tier II	No						
G135-235	GMA-RB-120806	12/8/2006	Water	Tier II	Yes	4,4'-DDE	Confirmation Column %D	86.5%	<40%	ND(0.00030)	
Herbicides											
G135-226	GMA5-1	11/15/2006	Water	Tier II	No						
G135-226	GMA5-4	11/15/2006	Water	Tier II	No						
G135-226	GMA5-5	11/16/2006	Water	Tier II	No						
G135-227	GMA5-6	11/17/2006	Water	Tier II	No						
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	No						GMA5-6
G135-228	GMA5-2	11/20/2006	Water	Tier II	No						
G135-228	GMA5-3	11/21/2006	Water	Tier II	No						
G135-228	GMA5-7	11/20/2006	Water	Tier II	No						
G135-229	GMA5-8	11/28/2006	Water	Tier II	No						
G135-235	GMA-RB-120806	12/8/2006	Water	Tier II	No						
Metals											
G135-226	GMA5-1	11/15/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	123.0%	80% to 120%	0.0134 J	
						Beryllium	CRDL Standard %R	148.0%	80% to 120%	0.000770 J	
						Cadmium	CRDL Standard %R	168.0%	80% to 120%	0.00438 J	
						Chromium	CRDL Standard %R	134.0%	80% to 120%	0.00605 J	
						Copper	CRDL Standard %R	175.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	129.0%	80% to 120%	0.00515 J	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Selenium	CRDL Standard %R	232.0%	80% to 120%	0.00931 J	
						Thallium	CRDL Standard %R	76.8%	80% to 120%	0.00815 J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	237.0%	80% to 120%	0.0311 J	

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Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals cont.											
G135-226	GMA5-1 (Filtered)	11/15/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	123.0%	80% to 120%	ND(0.0100) J	
						Beryllium	CRDL Standard %R	148.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	168.0%	80% to 120%	0.00394 J	
						Chromium	CRDL Standard %R	134.0%	80% to 120%	0.00449 J	
						Copper	CRDL Standard %R	175.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	129.0%	80% to 120%	0.00227 J	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Selenium	CRDL Standard %R	232.0%	80% to 120%	0.0132 J	
						Thallium	CRDL Standard %R	76.8%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	237.0%	80% to 120%	0.0139 J	
G135-226	GMA5-4	11/15/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
						Cadmium	Method Blank	-	-	ND(0.00500)	
						Copper	CRDL Standard %R	123.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	136.0%	80% to 120%	0.00148 J	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Selenium	CRDL Standard %R	212.0%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	44.8%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	199.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-226	GMA5-4 (Filtered)	11/15/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	123.0%	80% to 120%	ND(0.0100) J	
						Beryllium	CRDL Standard %R	148.0%	80% to 120%	0.000280 J	
						Cadmium	CRDL Standard %R	168.0%	80% to 120%	0.00411 J	
						Chromium	CRDL Standard %R	134.0%	80% to 120%	0.00361 J	
						Copper	CRDL Standard %R	175.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	129.0%	80% to 120%	0.00305 J	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Selenium	CRDL Standard %R	232.0%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	76.8%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	237.0%	80% to 120%	0.0418 J	
G135-226	GMA5-5	11/16/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
						Cadmium	Method Blank	-	-	ND(0.00500)	
						Copper	CRDL Standard %R	123.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	136.0%	80% to 120%	ND(0.0100) J	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Selenium	CRDL Standard %R	212.0%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	44.8%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	199.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-226	GMA5-5 (Filtered)	11/16/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
						Cadmium	Method Blank	-	-	ND(0.00500)	
						Copper	CRDL Standard %R	123.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	136.0%	80% to 120%	0.00326 J	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Selenium	CRDL Standard %R	212.0%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	44.8%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	199.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-227	GMA5-6	11/17/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	153.0%	80% to 120%	ND(0.0100) J	
						Barium	CRDL Standard %R	130.0%	80% to 120%	ND(0.500) J	
						Barium	Method Blank	-	-	ND(0.500)	
						Beryllium	CRDL Standard %R	57.3%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	232.0%	80% to 120%	ND(0.00815) J	
						Cadmium	Method Blank	-	-	ND(0.00815)	
						Chromium	CRDL Standard %R	174.0%	80% to 120%	ND(0.0106) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals cont.											
G135-227	GMA5-6	11/17/2006	Water	Tier II	Yes	Chromium	Method Blank	-	-	ND(0.0106)	
						Cobalt	CRDL Standard %R	161.0%	80% to 120%	ND(0.0100) J	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	169.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	290.0%	80% to 120%	ND(0.0200) J	
						Selenium	Method Blank	-	-	ND(0.0200)	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	32.1%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
G135-227	GMA5-6 (Filtered)	11/17/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	153.0%	80% to 120%	ND(0.0100) J	
						Barium	CRDL Standard %R	130.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	57.3%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	232.0%	80% to 120%	ND(0.00669) J	
						Cadmium	Method Blank	-	-	ND(0.00669)	
						Chromium	CRDL Standard %R	174.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	CRDL Standard %R	161.0%	80% to 120%	ND(0.0100) J	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	169.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	290.0%	80% to 120%	ND(0.0200) J	
						Selenium	Method Blank	-	-	ND(0.0200)	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	32.1%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	153.0%	80% to 120%	0.0112 J	GMA5-6
						Barium	CRDL Standard %R	130.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	57.3%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	232.0%	80% to 120%	ND(0.00777) J	
						Cadmium	Method Blank	-	-	ND(0.00777)	
						Chromium	CRDL Standard %R	174.0%	80% to 120%	ND(0.0108) J	
						Chromium	Method Blank	-	-	ND(0.0108)	
						Cobalt	CRDL Standard %R	161.0%	80% to 120%	ND(0.0100) J	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	169.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	290.0%	80% to 120%	ND(0.0200) J	
						Selenium	Method Blank	-	-	ND(0.0200)	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	32.1%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
G135-227	GMA5-Dup-1 (Filtered)	11/17/2006	Water	Tier II	Yes	Arsenic	CRDL Standard %R	153.0%	80% to 120%	ND(0.0100) J	GMA5-6 (Filtered)
						Barium	CRDL Standard %R	130.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	57.3%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	232.0%	80% to 120%	ND(0.00717) J	
						Cadmium	Method Blank	-	-	ND(0.00717)	
						Chromium	CRDL Standard %R	174.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	CRDL Standard %R	161.0%	80% to 120%	ND(0.0100) J	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	169.0%	80% to 120%	ND(0.0500) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals cont.											
G135-227	GMA5-Dup-1 (Filtered)	11/17/2006	Water	Tier II	Yes	Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	290.0%	80% to 120%	ND(0.0200) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	32.1%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
G135-228	GMA5-2	11/20/2006	Water	Tier II	Yes	Barium	CRDL Standard %R	123.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	158.0%	80% to 120%	ND(0.0100) J	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Chromium	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	151.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	145.0%	80% to 120%	ND(0.0100) J	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	121.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	244.0%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	127.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	78.0%	80% to 120%	0.00662 J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	243.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-228	GMA5-2 (Filtered)	11/20/2006	Water	Tier II	Yes	Barium	CRDL Standard %R	123.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	158.0%	80% to 120%	ND(0.0100) J	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Chromium	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	151.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	145.0%	80% to 120%	ND(0.0100) J	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	121.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	244.0%	80% to 120%	0.0145 J	
						Silver	CRDL Standard %R	127.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	78.0%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	243.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-228	GMA5-3	11/21/2006	Water	Tier II	Yes	Barium	CRDL Standard %R	123.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	158.0%	80% to 120%	ND(0.0100) J	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Chromium	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	151.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	145.0%	80% to 120%	ND(0.0100) J	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	121.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	244.0%	80% to 120%	0.00993 J	
						Silver	CRDL Standard %R	127.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals cont.											
G135-228	GMA5-3	11/21/2006	Water	Tier II	Yes	Thallium	CRDL Standard %R	78.0%	80% to 120%	0.00764 J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	243.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-228	GMA5-3 (Filtered)	11/21/2006	Water	Tier II	Yes	Barium	CRDL Standard %R	123.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	158.0%	80% to 120%	ND(0.0100) J	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Chromium	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	151.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	145.0%	80% to 120%	ND(0.0100) J	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	121.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	244.0%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	127.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	78.0%	80% to 120%	ND(0.0100) J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	243.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-228	GMA5-7	11/20/2006	Water	Tier II	Yes	Barium	CRDL Standard %R	123.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	158.0%	80% to 120%	ND(0.0100) J	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Chromium	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	151.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	145.0%	80% to 120%	ND(0.0100) J	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	121.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	244.0%	80% to 120%	0.0116 J	
						Silver	CRDL Standard %R	127.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	78.0%	80% to 120%	0.00660 J	
						Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	243.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-228	GMA5-7 (Filtered)	11/20/2006	Water	Tier II	Yes	Barium	CRDL Standard %R	123.0%	80% to 120%	ND(0.0500) J	
						Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	CRDL Standard %R	158.0%	80% to 120%	ND(0.0100) J	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Chromium	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	151.0%	80% to 120%	ND(0.200) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Lead	CRDL Standard %R	145.0%	80% to 120%	ND(0.0100) J	
						Lead	Method Blank	-	-	ND(0.0100)	
						Mercury	Method Blank	-	-	ND(0.000285)	
						Nickel	CRDL Standard %R	121.0%	80% to 120%	ND(0.0500) J	
						Nickel	Method Blank	-	-	ND(0.0500)	
						Selenium	CRDL Standard %R	244.0%	80% to 120%	0.0116 J	
						Silver	CRDL Standard %R	127.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	78.0%	80% to 120%	ND(0.0100) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals cont.											
G135-228	GMA5-7 (Filtered)	11/20/2006	Water	Tier II	Yes	Vanadium	Method Blank	-	-	ND(0.0500)	
						Zinc	CRDL Standard %R	243.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-229	GMA5-8	11/28/2006	Water	Tier II	Yes	Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Cadmium	CRDL Standard %R	137.0%	80% to 120%	ND(0.00500) J	
						Cadmium	Method Blank	-	-	ND(0.00500)	
						Chromium	CRDL Standard %R	130.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	CRDL Standard %R	125.0%	80% to 120%	0.000800 J	
						Copper	Method Blank	-	-	ND(0.200)	
						Nickel	CRDL Standard %R	77.7%	80% to 120%	0.00223 J	
						Selenium	CRDL Standard %R	207.0%	80% to 120%	ND(0.0200) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	8.3%	80% to 120%	ND(0.0100) J	
						Zinc	CRDL Standard %R	221.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-229	GMA5-8 (Filtered)	11/28/2006	Water	Tier II	Yes	Barium	Method Blank	-	-	ND(0.0500)	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Cadmium	CRDL Standard %R	137.0%	80% to 120%	ND(0.00500) J	
						Cadmium	Method Blank	-	-	ND(0.00500)	
						Chromium	CRDL Standard %R	130.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Cobalt	CRDL Standard %R	125.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.200)	
						Nickel	CRDL Standard %R	77.7%	80% to 120%	ND(0.0500) J	
						Selenium	CRDL Standard %R	207.0%	80% to 120%	ND(0.0200) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	8.3%	80% to 120%	ND(0.0100) J	
						Zinc	CRDL Standard %R	221.0%	80% to 120%	ND(0.0500) J	
						Zinc	Method Blank	-	-	ND(0.0500)	
G135-235	GMA-RB-120806	12/8/2006	Water	Tier II	Yes	Cadmium	CRDL Standard %R	126.0%	80% to 120%	0.00118 J	
						Cobalt	CRDL Standard %R	74.7%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	136.0%	80% to 120%	0.00285 J	
						Nickel	CRDL Standard %R	58.1%	80% to 120%	ND(0.0500) J	
						Selenium	CRDL Standard %R	202.0%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	32.9%	80% to 120%	ND(0.0100) J	
						Zinc	CRDL Standard %R	204.0%	80% to 120%	ND(0.0500) J	
G135-235	GMA-RB-120806 (Filtered)	12/8/2006	Water	Tier II	Yes	Cadmium	CRDL Standard %R	126.0%	80% to 120%	0.000520 J	
						Cobalt	CRDL Standard %R	74.7%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	136.0%	80% to 120%	0.00282 J	
						Nickel	CRDL Standard %R	58.1%	80% to 120%	ND(0.0500) J	
						Selenium	CRDL Standard %R	202.0%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	32.9%	80% to 120%	ND(0.0100) J	
						Zinc	CRDL Standard %R	204.0%	80% to 120%	0.00271 J	
VOCs											
G135-209	GMA5-7	10/27/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Acrolein	ICAL RRF	0.021	>0.05	ND(0.025) J	
G135-209	Trip Blank	10/27/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Acrolein	ICAL RRF	0.021	>0.05	ND(0.025) J	
G135-226	GMA5-1	11/15/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Chloromethane	Associated Blank	-	-	ND(0.0034)	
						Iodomethane	CCAL %D	48.4%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Methylene Chloride	Associated Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	32.7%	<25%	ND(0.0025) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs cont.											
G135-226	GMA5-4	11/15/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Chloromethane	Associated Blank	-	-	ND(0.0034)	
						Iodomethane	CCAL %D	48.4%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	32.7%	<25%	ND(0.0025) J	
G135-226	GMA5-5	11/16/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	10% to 283%	R	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Iodomethane	CCAL %D	48.4%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Methylene Chloride	Associated Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	32.7%	<25%	ND(0.0025) J	
G135-226	TripBlank	11/16/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	0.013 J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Iodomethane	CCAL %D	48.4%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	32.7%	<25%	ND(0.0025) J	
G135-227	GMA5-6	11/17/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	25.6%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	27.4%	<25%	ND(0.0010) J	
						Chloromethane	Associated Blank	-	-	ND(0.0010)	
						Iodomethane	CCAL %D	41.5%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	33.8%	<25%	ND(0.0025) J	
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	GMA5-6
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	25.6%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	27.4%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	41.5%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs cont.											
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	Yes	Methylene Chloride	Associated Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	33.8%	<25%	ND(0.0025) J	
G135-227	Trip Blank	11/17/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	0.015 J	
						Acetone	CCAL %D	25.6%	<25%	0.015 J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	27.4%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	41.5%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	33.8%	<25%	ND(0.0025) J	
G135-228	GMA5-2	11/20/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	CCAL RRF	0.043	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	25.6%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	27.4%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	41.5%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Methylene Chloride	Associated Blank	-	-	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	33.8%	<25%	ND(0.0025) J	
G135-228	GMA5-3	11/21/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	CCAL RRF	0.043	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	25.6%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	27.4%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	41.5%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	33.8%	<25%	ND(0.0025) J	
G135-228	Trip Blank	11/21/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	CCAL RRF	0.043	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	25.6%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	27.4%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	41.5%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	33.8%	<25%	ND(0.0025) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs cont.											
G135-229	GMA5-8	11/28/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Methylene Chloride	Associated Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						Toluene	Associated Blank	-	-	ND(0.0010)	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	34.5%	<25%	ND(0.0025) J	
						Xylenes (total)	Associated Blank	-	-	ND(0.0010)	
G135-229	Trip Blank	11/28/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.030	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.001	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.033	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.014	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	34.5%	<25%	ND(0.0025) J	
G135-235	GMA-RB-120806	12/8/2006	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.038	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	CCAL %D	29.3%	<25%	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.020	>0.05	ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	25.0%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	33.8%	<25%	ND(0.0050) J	
						4-Methyl-2-pentanone	CCAL %D	32.1%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.032	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	25.0%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.011	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	72.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.036	>0.05	ND(0.025) J	
						Iodomethane	CCAL %D	45.0%	<25%	ND(0.0010) J	
						Iodomethane	LCS %R	35.8%	57.3% to 143%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						Trichlorofluoromethane	CCAL %D	27.0%	<25%	ND(0.0010) J	
SVOCs											
G135-226	GMA5-1	11/15/2006	Water	Tier II	Yes	2-Picoline	CCAL %D	45.3%	<25%	ND(0.010) J	
						4-Nitroaniline	LCS %R	3.3%	12.7% to 255%	R	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.024	>0.05	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	75.0%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.009	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	33.3%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	
						Benzidine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						Benzo(g,h,i)perylene	LCS %R	0.0%	19.3% to 162%	R	
						Dibenzo(a,h)anthracene	LCS %R	3.7%	20.5% to 156%	R	
						Hexachlorophene	ICAL RRF	0.044	>0.05	ND(0.010) J	
						Hexachlorophene	CCAL %D	25.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	34.3%	<25%	ND(0.010) J	
						Pyridine	CCAL %D	25.6%	<25%	ND(0.010) J	
						Pyridine	LCS %R	12.5%	50.0% to 150%	ND(0.010) J	
G135-226	GMA5-4	11/15/2006	Water	Tier II	Yes	2,4,5-Trichlorophenol	CCAL %D	25.8%	<25%	ND(0.010) J	
						2,4-Dimethylphenol	CCAL %D	46.4%	<25%	ND(0.010) J	
						3,3'-Dichlorobenzidine	CCAL %D	37.0%	<25%	ND(0.020) J	
						3-Nitroaniline	CCAL %D	96.7%	<25%	ND(0.050) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs cont.											
G135-226	GMA5-4	11/15/2006	Water	Tier II	Yes	4-Chloroaniline	CCAL %D	466.7%	<25%	ND(0.050) J	
						4-Nitroaniline	LCS %R	3.3%	12.7% to 255%	R	
						4-Nitrophenol	CCAL %D	42.1%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.030	>0.05	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	76.7%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						5-Nitro-o-toluidine	CCAL %D	36.0%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.013	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	61.5%	<25%	ND(0.050) J	
						Aniline	CCAL %D	131.8%	<25%	ND(0.010) J	
						Aramite	CCAL %D	33.3%	<25%	ND(0.010) J	
						Benzidine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						Benzidine	CCAL %D	75.6%	<25%	ND(0.020) J	
						Benzo(g,h,i)perylene	LCS %R	0.0%	19.3% to 162%	R	
						bis(2-Ethylhexyl)phthalate	CCAL %D	32.5%	<25%	ND(0.010) J	
						Dibenzo(a,h)anthracene	LCS %R	3.7%	20.5% to 156%	R	
						Di-n-Octylphthalate	CCAL %D	35.2%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	44.4%	<25%	ND(0.020) J	
						Hexachloropropene	CCAL %D	30.6%	<25%	ND(0.020) J	
						Methapyrilene	CCAL %D	53.5%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	737.6%	<25%	ND(0.010) J	
						Pyridine	LCS %R	12.5%	50.0% to 150%	ND(0.010) J	
G135-226	GMA5-5	11/16/2006	Water	Tier II	Yes	1,2,4-Trichlorobenzene	MS/MSD RPD	36.5%	<30%	ND(0.010) J	
						1,2-Dichlorobenzene	MS/MSD RPD	35.8%	<30%	ND(0.010) J	
						1,3-Dinitrobenzene	MS/MSD RPD	34.8%	<30%	ND(0.010) J	
						1,4-Dichlorobenzene	MS/MSD RPD	36.0%	<30%	ND(0.010) J	
						2,4,5-Trichlorophenol	MS/MSD RPD	38.1%	<30%	ND(0.010) J	
						2,4-Dichlorophenol	MS/MSD RPD	36.9%	<30%	ND(0.010) J	
						2,4-Dimethylphenol	MS/MSD RPD	54.9%	<30%	ND(0.010) J	
						2,4-Dimethylphenol	MS %R	22.6%	29.0% to 110%	ND(0.010) J	
						2,4-Dinitrophenol	MS/MSD RPD	41.8%	<30%	ND(0.050) J	
						2,4-Dinitrotoluene	MS/MSD RPD	39.8%	<30%	ND(0.010) J	
						2,6-Dinitrotoluene	MS/MSD RPD	38.5%	<30%	ND(0.010) J	
						2-Chloronaphthalene	MS/MSD RPD	39.0%	<30%	ND(0.010) J	
						2-Chlorophenol	MS/MSD RPD	33.0%	<30%	ND(0.010) J	
						2-Methylnaphthalene	MS/MSD RPD	37.2%	<30%	ND(0.010) J	
						2-Methylphenol	MS/MSD RPD	38.4%	<30%	ND(0.010) J	
						2-Methylphenol	MS %R	61.0%	62.0% to 99.0%	ND(0.010) J	
						2-Nitroaniline	MS/MSD RPD	40.1%	<30%	ND(0.010) J	
						2-Nitrophenol	MS/MSD RPD	36.2%	<30%	ND(0.010) J	
						2-Picoline	CCAL %D	45.3%	<25%	ND(0.010) J	
						3&4-Methylphenol	MS/MSD RPD	37.5%	<30%	ND(0.010) J	
						3,3'-Dichlorobenzidine	MS/MSD RPD	64.7%	<30%	ND(0.020) J	
						3-Nitroaniline	MS/MSD RPD	49.6%	<30%	ND(0.050) J	
						4,6-Dinitro-2-methylphenol	MS/MSD RPD	42.6%	<30%	ND(0.050) J	
						4-Bromophenyl-phenylether	MS/MSD RPD	36.6%	<30%	ND(0.010) J	
						4-Chloro-3-Methylphenol	MS/MSD RPD	38.7%	<30%	ND(0.010) J	
						4-Chloro-3-Methylphenol	MS %R	66.5%	67.0% to 109%	ND(0.010) J	
						4-Chloroaniline	MS/MSD RPD	31.8%	<30%	ND(0.050) J	
						4-Chlorophenyl-phenylether	MS/MSD RPD	38.2%	<30%	ND(0.010) J	
						4-Nitroaniline	LCS %R	3.3%	12.7% to 255%	R	
						4-Nitrophenol	MS/MSD RPD	39.5%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.024	>0.05	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	75.0%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.009	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	33.3%	<25%	ND(0.050) J	
						Acenaphthene	MS/MSD RPD	38.5%	<30%	ND(0.010) J	
						Acenaphthylene	MS/MSD RPD	40.8%	<30%	ND(0.010) J	
						Anthracene	MS/MSD RPD	40.2%	<30%	ND(0.010) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	
						Benzidine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						Benzo(a)anthracene	MS/MSD RPD	41.8%	<30%	ND(0.010) J	
						Benzo(a)pyrene	MS/MSD RPD	46.9%	<30%	ND(0.010) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs cont.											
G135-226	GMA5-5	11/16/2006	Water	Tier II	Yes	Benzo(b)fluoranthene	MS/MSD RPD	41.3%	<30%	ND(0.010) J	
						Benzo(g,h,i)perylene	LCS %R	0.0%	19.3% to 162%	R	
						Benzo(k)fluoranthene	MS/MSD RPD	41.1%	<30%	ND(0.010) J	
						Benzyl Alcohol	MS/MSD RPD	37.7%	<30%	ND(0.020) J	
						bis(2-Chloroethoxy)methane	MS/MSD RPD	38.4%	<30%	ND(0.010) J	
						bis(2-Chloroethyl)ether	MS/MSD RPD	34.7%	<30%	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	MS/MSD RPD	36.5%	<30%	ND(0.010) J	
						bis(2-Ethylhexyl)phthalate	MS/MSD RPD	41.7%	<30%	ND(0.010) J	
						Butylbenzylphthalate	MS/MSD RPD	42.8%	<30%	ND(0.010) J	
						Chrysene	MS/MSD RPD	41.4%	<30%	ND(0.010) J	
						Dibenzo(a,h)anthracene	LCS %R	3.7%	20.5% to 156%	R	
						Dibenzofuran	MS/MSD RPD	37.7%	<30%	ND(0.010) J	
						Diethylphthalate	MS/MSD RPD	39.3%	<30%	ND(0.010) J	
						Dimethylphthalate	MS/MSD RPD	38.7%	<30%	ND(0.010) J	
						Di-n-Butylphthalate	MS/MSD RPD	37.0%	<30%	ND(0.010) J	
						Di-n-Octylphthalate	MS/MSD RPD	45.9%	<30%	ND(0.010) J	
						Diphenylamine	MS/MSD RPD	40.5%	<30%	ND(0.010) J	
						Fluoranthene	MS/MSD RPD	37.1%	<30%	ND(0.010) J	
						Fluorene	MS/MSD RPD	37.7%	<30%	ND(0.010) J	
						Hexachlorobenzene	MS/MSD RPD	35.7%	<30%	ND(0.010) J	
						Hexachlorobutadiene	MS/MSD RPD	36.6%	<30%	ND(0.010) J	
						Hexachlorocyclopentadiene	MS/MSD RPD	85.3%	<30%	ND(0.020) J	
						Hexachloroethane	MS/MSD RPD	34.5%	<30%	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.044	>0.05	ND(0.010) J	
						Hexachlorophene	CCAL %D	25.0%	<25%	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	MS/MSD RPD	45.0%	<30%	ND(0.010) J	
						Isophorone	MS/MSD RPD	38.3%	<30%	ND(0.010) J	
						Methapyrilene	CCAL %D	34.3%	<25%	ND(0.010) J	
						Naphthalene	MS/MSD RPD	37.1%	<30%	ND(0.010) J	
						Nitrobenzene	MS/MSD RPD	38.0%	<30%	ND(0.010) J	
						N-Nitroso-di-n-propylamine	MS/MSD RPD	40.3%	<30%	ND(0.010) J	
						Pentachlorophenol	MS/MSD RPD	31.9%	<30%	ND(0.050) J	
						Phenanthrene	MS/MSD RPD	36.4%	<30%	ND(0.010) J	
						Phenol	MS/MSD RPD	36.2%	<30%	ND(0.010) J	
						Pyrene	MS/MSD RPD	45.0%	<30%	ND(0.010) J	
						Pyridine	CCAL %D	25.6%	<25%	ND(0.010) J	
						Pyridine	MS %R	41.5%	50.0% to 150%	ND(0.010) J	
						Pyridine	LCS %R	12.5%	50.0% to 150%	ND(0.010) J	
G135-227	GMA5-6	11/17/2006	Water	Tier II	Yes	2-Picoline	CCAL %D	38.6%	<25%	ND(0.010) J	
						3&4-Methylphenol	CCAL %D	91.2%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.031	>0.05	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	25.8%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.012	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	58.3%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	
						Benzidine	ICAL RRF	0.020	>0.05	ND(0.020) J	
						Pyridine	LCS %R	0.0%	50.0% to 150%	R	
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	Yes	2-Picoline	CCAL %D	38.6%	<25%	ND(0.010) J	GMA5-6
						3&4-Methylphenol	CCAL %D	91.2%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.031	>0.05	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	25.8%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.012	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	58.3%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	
						Benzidine	ICAL RRF	0.020	>0.05	ND(0.020) J	
						Pyridine	LCS %R	0.0%	50.0% to 150%	R	
G135-228	GMA5-2	11/20/2006	Water	Tier II	Yes	4-Chloroaniline	CCAL %D	68.5%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.022	>0.05	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.014	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	57.1%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs cont.											
G135-228	GMA5-2	11/20/2006	Water	Tier II	Yes	Benzidine	ICAL RRF	0.022	>0.05	ND(0.020) J	
						Kepone	CCAL %D	83.9%	<25%	ND(0.010) J	
						Kepone	CCAL RRF	0.009	>0.05	ND(0.010) J	
						Phenacetin	CCAL %D	33.9%	<25%	ND(0.010) J	
						Pyridine	LCS %R	0.0%	50.0% to 150%	R	
G135-228	GMA5-3	11/21/2006	Water	Tier II	Yes	4-Chloroaniline	CCAL %D	68.5%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.022	>0.05	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.014	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	57.1%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	
						Benzidine	ICAL RRF	0.022	>0.05	ND(0.020) J	
						Kepone	CCAL %D	83.9%	<25%	ND(0.010) J	
						Kepone	CCAL RRF	0.009	>0.05	ND(0.010) J	
						Phenacetin	CCAL %D	33.9%	<25%	ND(0.010) J	
						Pyridine	LCS %R	0.0%	50.0% to 150%	R	
G135-228	GMA5-7	11/20/2006	Water	Tier II	Yes	4-Chloroaniline	CCAL %D	68.5%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.022	>0.05	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.014	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	57.1%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	
						Benzidine	ICAL RRF	0.022	>0.05	ND(0.020) J	
						Kepone	CCAL %D	83.9%	<25%	ND(0.010) J	
						Kepone	CCAL RRF	0.009	>0.05	ND(0.010) J	
						Phenacetin	CCAL %D	33.9%	<25%	ND(0.010) J	
						Pyridine	LCS %R	0.0%	50.0% to 150%	R	
G135-229	GMA5-8	11/28/2006	Water	Tier II	Yes	2-Acetylaminofluorene	CCAL %D	25.0%	<25%	ND(0.020) J	
						2-Picoline	CCAL %D	39.8%	<25%	ND(0.010) J	
						3-Nitroaniline	CCAL %D	33.8%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.022	>0.05	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.014	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	114.3%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	
						Benzidine	ICAL RRF	0.022	>0.05	ND(0.020) J	
						Dibenzo(a,h)anthracene	CCAL %D	32.0%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	51.4%	<25%	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	CCAL %D	39.4%	<25%	ND(0.010) J	
						Phenacetin	CCAL %D	38.0%	<25%	ND(0.010) J	
						Pyridine	LCS %R	0.0%	50.0% to 150%	R	
G135-235	GMA-RB-120806	12/8/2006	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	62.1%	<25%	ND(0.050) J	
						2-Naphthylamine	CCAL RRF	0.025	>0.05	ND(0.050) J	
						3&4-Methylphenol	CCAL %D	1058%	<25%	ND(0.010) J	
						4-Nitroaniline	LCS %R	7.8%	12.7% to 255%	R	
						4-Nitrophenol	CCAL %D	36.7%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	83.3%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	ICAL RRF	0.009	>0.05	ND(0.050) J	
						a,a'-Dimethylphenethylamine	CCAL %D	2977%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.003	>0.05	ND(0.010) J	
						Benzidine	ICAL RRF	0.019	>0.05	ND(0.020) J	
						Dibenzo(a,h)anthracene	LCS %R	3.6%	20.5% to 156%	R	
						Hexachlorophene	ICAL RRF	0.044	>0.05	ND(0.010) J	
						Kepone	CCAL %D	52.4%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	39.2%	<25%	ND(0.010) J	
						Pyridine	LCS %R	0.0%	50.0% to 150%	R	
PCDDs/PCDFs											
G135-226	GMA5-1	11/15/2006	Water	Tier II	Yes	2,3,7,8-TCDF	Method Blank	-	-	ND(0.0000000012)	
						OCDD	Method Blank	-	-	ND(0.000000013)	
						TCDFs (total)	Method Blank	-	-	ND(0.0000000012)	
G135-226	GMA5-4	11/15/2006	Water	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.000000023)	
G135-226	GMA5-5	11/16/2006	Water	Tier II	No						
G135-227	GMA5-6	11/17/2006	Water	Tier II	No						
PCDDs/PCDFs cont.											
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	No						GMA5-6
G135-228	GMA5-2	11/20/2006	Water	Tier II	No						
G135-228	GMA5-3	11/21/2006	Water	Tier II	No						
G135-228	GMA5-7	11/20/2006	Water	Tier II	No						
G135-229	GMA5-8	11/28/2006	Water	Tier II	No						
G135-235	GMA-RB-120806	12/8/2006	Water	Tier II	No						

Table E-1
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (SGS)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Cyanides/Sulfides											
G135-226	GMA5-1	11/15/2006	Water	Tier II	No						
G135-226	GMA5-1 (Filtered)	11/15/2006	Water	Tier II	No						
G135-226	GMA5-4	11/15/2006	Water	Tier II	No						
G135-226	GMA5-4 (Filtered)	11/15/2006	Water	Tier II	No						
G135-226	GMA5-5	11/16/2006	Water	Tier II	No						
G135-226	GMA5-5 (Filtered)	11/16/2006	Water	Tier II	No						
G135-227	GMA5-6	11/17/2006	Water	Tier II	No						
G135-227	GMA5-6 (Filtered)	11/17/2006	Water	Tier II	No						
G135-227	GMA5-Dup-1	11/17/2006	Water	Tier II	No						GMA5-6
G135-227	GMA5-Dup-1 (Filtered)	11/17/2006	Water	Tier II	No						GMA5-6 (Filtered)
G135-228	GMA5-2	11/20/2006	Water	Tier II	No						
G135-228	GMA5-2 (Filtered)	11/20/2006	Water	Tier II	No						
G135-228	GMA5-3	11/21/2006	Water	Tier II	No						
G135-228	GMA5-3 (Filtered)	11/21/2006	Water	Tier II	No						
G135-228	GMA5-7	11/20/2006	Water	Tier II	No						
G135-228	GMA5-7 (Filtered)	11/20/2006	Water	Tier II	No						
G135-229	GMA5-8	11/28/2006	Water	Tier II	No						
G135-229	GMA5-8 (Filtered)	11/28/2006	Water	Tier II	No						
G135-235	GMA-RB-120806	12/8/2006	Water	Tier II	No						

ARCADIS BBL

Appendix E-2

Data Validation Report for
Samples Analyzed by Northeast
Analytical, Inc.

Appendix E-2
Groundwater Sampling Data Validation Report (NEA)
Groundwater Management Area 5 – Fall 2006

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 Groundwater Management Area 5 (GMA 5), located at the General Electric Company/Housatonic River Site in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) by Northeast Analytical, Inc. (NEA) of Schenectady, New York. Data validation was performed for eight PCB samples.

2.0 Data Evaluation Procedures

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

- *Field Sampling Plan/Quality Assurance Project Plan, 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 Organics Analyses*, USEPA Region I (February 1, 1988) (Modified November 1, 1988); and

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (Draft, December 1996).

A tabulated summary of the Tier I and Tier II data evaluations is presented in Table E-2. Each sample subjected to evaluation is listed in Table E-2 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 E-2 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 E-2 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 Tier II review was also performed on all data to resolve data usability limitations identified from laboratory qualification of certain data, or 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. 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. A tabulated summary of the samples subjected to Tier I and Tier II data evaluations 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	8	0	0	8
Total	**0**	**0**	**0**	**8**	**0**	**0**	**8**

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

Aroclor identification criteria require that the Aroclor pattern resemble that of the pattern established throughout the analysis of the standards of the target Aroclors. Sample results qualified by the laboratory (i.e. Aroclor-1248 not present) were reviewed for Aroclor identification. Sample data that did not match Aroclor patterns that were established through the analysis of target Aroclor standards were qualified with a "U" and the Total PCB content was adjusted to reflect the qualification of the Aroclor as non-detect. The PCB compounds that did not meet Aroclor identification criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Identification Deviations

Analysis	Compounds	Number of Affected Samples	Qualification
PCBs	Aroclor-1221	1	U
	Aroclor-1242	2	U
	Aroclor-1248	3	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

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 analytical program, no precision parameters were included.

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, laboratory control standards (LCSs), MS/MSD samples, and surrogate compound recoveries. None of the data required qualification due to calibration, LCS recovery, MS/MSD recovery, or surrogate 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 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%.

[1] Test Methods for evaluating Solid Waste, SW-846, USEPA, Final Update III, December 1996.

Table E-2
Analytical Data Validation Summary
Groundwater Management Area 5 - Fall 2006 (NEA)

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
06110104_Rev00	GMA5-1 (Filtered)	11/15/2006	Water	Tier II	No						
06110104_Rev00	GMA5-4 (Filtered)	11/15/2006	Water	Tier II	Yes	Aroclor-1242	Aroclor-1242 not present	0.000023	-	ND(0.000022)	
						Total PCBs	Aroclor-1242 not present	0.000023	-	ND(0.000022)	
06110104_Rev00	GMA5-5 (Filtered)	11/16/2006	Water	Tier II	No						
06110116_Rev00	GMA5-6 (Filtered)	11/17/2006	Water	Tier II	Yes	Aroclor-1221	Aroclor-1221 not present	0.000023	-	ND(0.000022)	
						Aroclor-1242	Aroclor-1242 not present	0.000084	-	ND(0.000022)	
						Total PCBs	Aroclor-1221, 1242 not present	0.000107	-	ND(0.000022)	
06110123_Rev00	GMA5-2 (Filtered)	11/20/2006	Water	Tier II	No						
06110140_Rev00	GMA5-3 (Filtered)	11/21/2006	Water	Tier II	Yes	Aroclor-1248	Aroclor-1248 not present	0.000073	-	ND(0.000022)	
						Total PCBs	Aroclor-1248 not present	0.000127	-	0.000054	
06110140_Rev00	GMA5-7 (Filtered)	11/20/2006	Water	Tier II	Yes	Aroclor-1248	Aroclor-1248 not present	0.000059	-	ND(0.000022)	
						Total PCBs	Aroclor-1248 not present	0.000083	-	0.000024	
06110162_Rev00	GMA5-8 (Filtered)	11/28/2006	Water	Tier II	Yes	Aroclor-1248	Aroclor-1248 not present	0.000059	-	ND(0.000022)	
						Total PCBs	Aroclor-1248 not present	0.000059	-	ND(0.000022)	

ARCADIS BBL

Appendix F

Monitoring Results for Adjacent MCP Disposal Site

CDM

Phase V Inspection & Monitoring Report and Remedial Monitoring Report

Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Release Tracking Number 1-0539

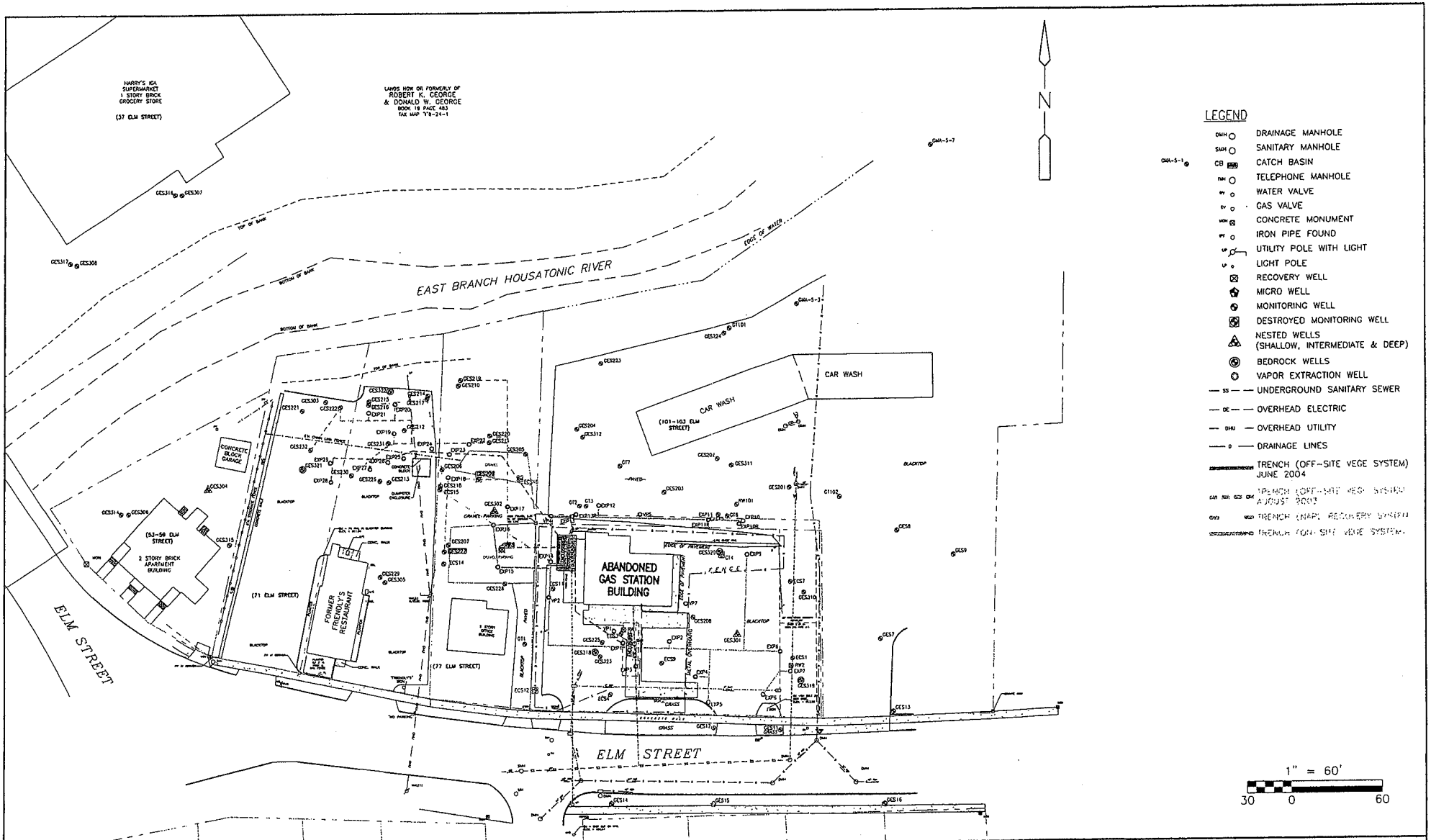
December 2006

Prepared for:

ExxonMobil Oil Corporation
52 Beacham Street
Everett, Massachusett 02149

Prepared by:

Camp Dresser & McKee Inc.
One Cambridge Place
50 Hampshire Street
Cambridge, Massachusetts 02139



FORMER MOBIL SERVICE STATION (#01-ECO)
83-89 ELM STREET
PITTSFIELD, MASSACHUSETTS

SITE PLAN

FIGURE 1-2

CDM

P:\20474\32302\01-ECO\CSTPL001.DWG

TABLE 2 -3
SUMMARY OF GROUNDWATER PUMP & TREAT SYSTEM REMOVAL RATES
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

							Liquid Carbon Vessels			Air Stripper				Total Hydrocarbons Removed				
DATE	Days in Operation in Period	Up/Down on Arrival	Uptime percent	Air Stripper Effluent Totalizer (gallons)	Gallons Treated this Period	Average Flow Rate (gpm)	Influent VOC (µg/L)	Effluent VOC (µg/L)	Dissolved VOCs Removed (lbs)	Influent VOC (ppm)	Air Flow Rate (cfm)	Dissolved VOCs Removed (lbs)	Vapor Carbon Loading (lbs/lbs)	Dissolved VOC (lb)	NAPL Bailed (gallons)	Total per Period (lb)	Cumulative Removed (lb)	Cumulative Equivalent (gallons)
16-Mar-06	--	D	--	NR	--	--	--	--	--	NR	270	0	--	--	--	--	0.00	0.00
31-Mar-06	15	U	60.0%	21900600	235,225	18.2	274.0	0.0	0.54	NR	270	0.00	--	0.54	--	0.54	0.54	0.08
06-Apr-06	6	D	50.0%	21952100	51,500	11.9	274.0	0.0	0.12	NR	115	0.00	--	0.12	--	0.12	0.66	0.10
27-Apr-06	21	D	14.3%	21994100	42,000	9.7	200.0	0.0	0.07	NR	270	0.00	--	0.07	2.0	13.17	13.83	2.11
10-May-06	13	D	61.5%	22046800	52,700	4.6	200.0	0.0	0.09	2.1	70	0.42	--	0.09	--	0.09	13.91	2.12
24-May-06	14	U	50.0%	22102540	55,740	5.5	238.4	0.0	0.11	1.9	197	0.94	0.0002	0.11	--	0.11	14.02	2.14
01-Jun-06	8	U	100.0%	22165560	63,020	5.5	238.4	0.0	0.13	2.3	287	1.89	0.0005	0.13	--	0.13	14.15	2.16
08-Jun-06	7	U	100.0%	22215540	49,980	5.0	238.4	0.0	0.10	0.0	309	0.00	0.0005	0.10	--	0.10	14.25	2.18
20-Jun-06	12	O	58.3%	22227500	11,960	1.2	591.4	0.0	0.06	0.0	270	0.00	0.0005	0.06	--	0.06	14.31	2.18
26-Jun-06	6	D	83.3%	22229400	1,900	0.3	591.4	0.0	0.01	3.1	270	1.49	0.0007	0.01	--	0.01	14.32	2.19
07-Jul-06	11	U	100.0%	22327110	97,710	6.2	591.4	0.0	0.48	0.5	230	0.45	0.0008	0.48	--	0.48	14.80	2.26
10-Jul-06	3	D	66.7%	22335400	8,290	2.9	591.4	0.0	0.04	NR	270	0.00	0.0008	0.04	--	0.04	14.84	2.27
12-Jul-06	2	D	100.0%	22344795	9,395	3.3	431.5	0.0	0.03	1.8	280	0.36	0.0009	0.03	--	0.03	14.87	2.27
19-Jul-06	7	D	28.6%	22345650	855	0.3	431.5	0.0	0.00	NR	292	0.00	0.0009	0.00	--	0.00	14.88	2.27
02-Aug-06	14	D	60.0%	22406450	60,800	5.0	431.5	0.0	0.22	1.3	240	0.94	0.0010	0.22	--	0.22	15.10	2.30
05-Aug-06	3	D	66.7%	22425100	18,650	6.5	431.5	0.0	0.07	NR	270	0.00	0.0010	0.07	--	0.07	15.16	2.31
17-Aug-06	12	U	5.9%	NR	NA	NA	431.5	0.0	NA	2.3	275	0.16	0.0010	--	--	--	15.16	2.31
23-Aug-06	6	U	100.0%	22425189	51,044	5.9	287.8	0.0	0.12	NR	280	0.00	0.0010	0.12	--	0.12	15.29	2.33
30-Aug-06	7	D	14.3%	22425189	2,437	1.7	287.8	0.0	0.01	NR	270	0.00	0.0010	0.01	--	0.01	15.29	2.33
05-Sep-06	6	O	0.0%	22425189	0	0.0	287.8	0.0	0.00	NR	268	0.00	0.0010	0.00	--	0.00	15.29	2.33
13-Sep-06	8	D	75.0%	22425189	40,584	4.7	287.8	0.0	0.10	NR	268	0.00	0.0010	0.10	--	0.10	15.39	2.35
18-Sep-06	5	D	20.0%	22425189	0	0.0	287.8	0.0	0.00	0.2	271	0.02	0.0010	0.00	--	0.00	15.39	2.35
27-Sep-06	9	U	100.0%	8456282*	50,834	3.9	3.8	0.0	0.00	NR	270	0.00	0.0010	0.00	--	0.00	15.39	2.35
05-Oct-06	8	D	100.0%	8495081	38,799	3.4	3.8	0.0	0.00	NR	259	0.00	0.0010	0.00	--	0.00	15.39	2.35
11-Oct-06	6	O	0.0%	NR	NA	NA	3.8	0.0	NA	NR	270	0.00	0.0010	--	--	--	15.39	2.35
25-Oct-06	14	O	0.0%	8495480	NA	NA	254.8	0.0	NA	0.1	270	0.00	0.0010	--	--	--	15.39	2.35
01-Nov-06	7	U	100.0%	8559483	64,003	6.3	254.8	0.0	0.14	0.0	416	0.00	0.0010	0.14	--	0.14	15.53	2.37
07-Nov-06	6	D	33.3%	8572360	12,877	4.5	254.8	0.0	0.03	NR	270	0.00	0.0010	0.03	--	0.03	15.55	2.37
13-Nov-06	6	D	33.3%	8572570	210	0.1	254.8	0.0	0.00	0.1	389	0.03	0.0010	0.00	--	0.00	15.56	2.37
17-Nov-06	4	O	50.0%	8600600	28,030	9.7	254.8	0.0	0.06	0.1	270	0.02	0.0010	0.06	--	0.06	15.61	2.38
21-Nov-06	4	D	100.0%	8653630	53,030	9.2	615.9	0.0	0.27	0.8	306	0.35	0.0011	0.27	--	0.27	15.89	2.43
27-Nov-06	6	U	100.0%	8742020	88,390	10.2	615.9	0.0	0.45	NR	270	0.00	0.0011	0.45	--	0.45	16.34	2.49
	256.00																	

Cumulative Total (Since CDM began system operation)
As of 03/16/2006 15.89

Notes:

gpm = gallons per minute.
VOC = volatile organic compounds.
µg/L = micrograms per liter.
ppm = parts per million.
lb = pound.
lb/day = pounds per day.
psi = pounds per square inch.
NAPL = non aqueous-phase liquid.
NA = not available.
* = Air flow not available, air flowrate of 270 scfm assumed for calculation of hydrocarbons removed.
# = photo ionization detector (PID) not calibrated correctly, could not take readings.
From August 5, 2006 to September 27, 2006, system discharge totals calculated from OWS flow meter.
(1) = Oil/water separator transfer pump failure.
(2) = High water level in air stripper sump.
(3) = system frozen
(4) = compressor down
(5) = filters clogged
(6) = high water in floor sump.
(7) = frac tp tripped out.
(8) = high water level in settling tank
(9) = high water in ows
(10) = AS discharge flow meter broken

Liquid Phase Granular Activated Carbon (LGAC): 2 X 1000 lb vessels
Vapor Phase Granular Activated Carbon (VGAC): 2 X 3000 lb vessels C/O: 5/18/2006

Influent VOCs = Total BTEX + MTBE and Naphthalene by EPA Method 8260B. ND for Effluent = 0

Calculations:

POUNDS OF HYDROCARBONS REMOVED:

Dissolved VOC (lb) = Gallons Treated this Period (gal) x Influent VOC (µg/L) x 8.34×10^{-9} (L·lb/gal·µg)

Vapor Phase VOC (

$$\frac{\text{Air flow (cfm)} \times \text{Conc (ppmv)} \times 1 \text{ mole air} \times 1000 \text{ L} \times 1000 \text{ mg} \times 96 \text{ g} \times 0.0283 \text{ m}^3 \times 60 \text{ min} \times 2.2 \text{ lbs}}{10^6 \times 24.1 \text{ L} \times \text{m}^3 \times \text{g} \times \text{mole air} \times \text{ft}^3 \times \text{day} \times 10^6 \text{ mg}}$$

Total Hydrocarbons Removed (lb) = Dissolved VOC (lb) + (6.55 (lb/gal) * NAPL bailed (gal))
Cumulative Pounds (lb): Previous Cumulative Pounds + Total Pounds per Period
Equivalent Gallons (gal): Cumulative Pounds (lb) / 6.55 (lb/gal)

TABLE 2-4
SUMMARY OF GROUNDWATER PUMP TREAT SYSTEM DATA
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Date of Visit	September 2006				October 2006			November 2006					
	9/5/2006	9/13/2006	9/18/2006	9/27/2006	10/5/2006	10/11/2006	10/25/2006	11/1/2006	11/7/2006	11/13/2006	11/17/2006	11/21/2006	11/27/2006
Operation Time													
Interval (Days)	6	8	5	9	8	6	14	7	6	6	4	4	6
Days of Operation	173	181	186	195	203	209	223	230	236	242	246	250	256
System Status (Up / Down / Off)													
Alarm Condition (Y/N)	N	N	N	N	N	N	N	N	N	Y	Y	N	N
On Arrival	O	D	D	U	D	O	O	U	D	D	O	D	U
On Departure	U	U	O	U	O	O	U	U	U	U	U	U	U
Percent Uptime (Monthly)	64.3%				100.0%			70.0%					
Liquid Flow Rates (gpm)													
FRAC Tank Influent	9	8.5	9	<20	7	NR	9	7	21	9	11	9	NR
FRAC Tank Effluent	NR	NR	17	18.5	NR	NR	19	17	15	16	16	15	14
Oil-Water Separator Effluent	NR	NR	23.2	23.5	NR	NR	23.2	22	22	22.9	24.8	24	21
Air Stripper Effluent	NR	NR	49.5	43.4	NR	NR	44	41.5	43.7	41.1	40.5	42	40
Cumulative Volume (gal)													
FRAC Tank Influent	7,249,810	7,297,444	7,302,315	7,401,135	7,435,605	7,436,202	7,436,740	7,499,455	7,508,860	7,514,705	7,538,440	7,586,385	NR
FRAC Tank Effluent	8,343,735	8,393,750	8,393,750	8,456,282	8,495,081	NR	8,495,480	8,559,483	8,572,360	8,572,570	8,600,600	8,653,630	8,742,020
Oil-water Separator Effluent	418,675	459,259	459,259	510,093	541,686	NR	541,825	593,050	604,180	604,346	402,392	445,885	739,763
Air Stripper (AS) Effluent	22,425,189	22,425,189	22,425,189	283,626	315,666	NR	315,797	367,612	378,953	379,010	22,425,100	669,790	517,175
Air Compressor Measurements													
Air Compressor Pressure (psi)	68	70	70	85	80	NR	80	75	80	75	75	75	60-80
Regulator Pressure (psi)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Run Time (hrs)	11,655	11,754	11,760	11,903	12,000	12,007	NR	12,168	12,191	12,201	12,249	12,341	12,509
Pump Pressures (psi)													
FRAC Tank Pump	NR	NR	7	8	NR	NR	7.5	7	7	7	6.5	6	10
OWS Pump	NR	NR	3	4.5	NR	NR	4	4	3	4	1	1	0
AS Pump	NR	NR	26	NR	NR	NR	27	26	30	26	29	30	35
Filter Pressures (psi)													
Air Stripper Bag Filters													
Inlet	NR	NR	26/18	32/21	NR	NR	30/30	31/26	28/26	32/30	30/31	31/30	NR
Outlet	NR	NR	26/18	32/23	NR	NR	29/24	19/20	17/18	22/21	28/24	25/26	NR
Air Stripper Measurements													
Inlet Pressure ("H2O)	3	3.1	3.1	NR	2.8	NR	3.1	11.2	NR	7.3	8	8.7	NR
Outlet Pressure ("H2O)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Air Flowrate (cfm)	268	268	271	NR	259	NR	NR	416	NR	389	NR	306	NR
Run Time (hrs)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Liquid Phase GAC Pressures (psi)													
Influent LGAC 1	NR	NR	19	NR	NR	NR	19	19	19	28	26	26	NR
Influent LGAC 2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Compliance Sampling (Y/N)	N	N	N	Y	N	N	Y	N	N	N	N	N	N
Vapor Phase GAC Measurements													
VOC Concentrations (ppmV)													
Influent	NR	NR	0.2	NR	NR	NR	0.1	0	NR	0.1	0.1	0.8	NR
Midpoint	NR	NR	0	NR	NR	NR	0	0	NR	0	0	0	NR
Effluent	NR	NR	0	NR	NR	NR	0	0	NR	0	0	0	NR
Removal Efficiencies (%)													
VGAC 1	NA	NA	100.00%	NA	NA	NA	100.00%	100.00%	NA	100.00%	100.00%	100.00%	NA
VGAC 2	NA	NA	100.00%	NA	NA	NA	100.00%	100.00%	NA	100.00%	100.00%	100.00%	NA
Overall	NA	NA	100.00%	NA	NA	NA	100.00%	100.00%	NA	100.00%	100.00%	100.00%	NA
Electric Meter Reading (kW-h)	72498	73035	73318	73829	74377	74380	74396	75058	75499	75910	76191	76530	77148

Notes:

GAC = Granular Activated Carbon	ND = Not Detected
MTBE = methyl tertiary-butyl ether	NS = Not Sampled
TSS = Total Suspended Solids	N/A = Not Applicable
mg/L = micrograms per liter	NG = Not Gauged
ppmV = part per million by volume	NM = Not Measured
ppb = parts per billion	NR = Not Recorded
ft = feet	NC = Not Calculated
" H2O = inches of water column	gpm = gallons per minute
kW-h = kilowatt per hour	
psi = pounds per square inch	
* = exceeded hold times	
CDM startup on:	2/21/2006

CDM

TABLE 2-4
SUMMARY OF GROUNDWATER PUMP TREAT SYSTEM DATA
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Date of Visit	July 2006				August 2006				
	07/07/06	07/10/06	07/12/06	07/19/06	08/02/06	08/05/06	08/17/06	08/23/06	08/30/06
Operation Time									
Interval (Days)	11	3	2	7	14	3	12	6	7
Days of Operation	113	116	118	125	139	142	154	160	167
System Status (Up / Down / Off)									
Alarm Condition (Y/N)	N	Y	Y	N	Y	Y	N	N	N
On Arrival	U	D	D	D	D	D	U	U	D
On Departure	U	U	U	U	U	O	U	U	O
Percent Uptime (Monthly)	67.7%				38.7%				
Liquid Flow Rates (gpm)									
FRAC Tank Influent	9.5	9.5	NR	8.5	9.5	NR	8	10.5	9
FRAC Tank Effluent	18	18	18	NR	15	14	14	16.5	NR
Oil-Water Separator Effluent	24.5	24.4	24.4	NR	23.4	25	24.7	23.7	NR
Air Stripper Effluent	54	54.6	50.1	NR	26.3	49	58.8	NR	NR
Cumulative Volume (gal)									
FRAC Tank Influent	7,058,710	7,067,480	NR	7,080,413	7,153,930	7,170,700	7,183,770	7,247,820	7,248,212
FRAC Tank Effluent	8,165,340	8,174,040	818,476	8,185,682	8,252,155	NR	8,281,600	8,341,040	8,343,735
Oil-water Separator Effluent	262,063	210,277	279,630	280,601	341,172	NR	365,194	416,238	418,675
Air Stripper (AS) Effluent	22,327,110	22,335,400	22,344,795	22,345,650	22,406,450	22,425,100	134,866*	22,425,189	22,425,189
Air Compressor Measurements									
Air Compressor Pressure (psi)	NR	NR	NR	NR	62	60-75	60-75	75	75
Regulator Pressure (psi)	NR	NR	NR	NR	NR	NR	NR	NR	NR
Run Time (hrs)	NR	NR	NR	NR	11,440	11,479	11,509	11,647	11,648
Pump Pressures (psi)									
FRAC Tank Pump	9	8	8	NR	7	7	7	7	NR
OWS Pump	2.5	6.5	5	NR	2	3.5	3.5	3.5	NR
AS Pump	NR	NR	22	NR	28	31	25	27	NR
Filter Pressures (psi)									
Air Stripper Bag Filters									
Inlet	32	bad gauge	NR	NR	NR	NR	26/16	27.5/17.0	NR
Outlet	22	20/15	20/15	NR	8/1	28/18	25/18	26.0/18.5	NR
Air Stripper Measurements									
Inlet Pressure ("H2O)	NR	NR	2.7	2.6	4.3	NR	NR	NR	NR
Outlet Pressure ("H2O)	NR	NR	NR	NR	NR	NR	NR	NR	NR
Air Flowrate (cfm)	230	NR	280	292	240	NR	275	280	NR
Run Time (hrs)	NR	NR	NR	NR	NR	NR	NR	12741	NR
Liquid Phase GAC Pressures (psi)									
Influent LGAC 1	NR	NR	15	NR	NR	NR	8	18	NR
Influent LGAC 2	NR	NR	NR	NR	NR	NR	NR	NR	NR
Compliance Sampling (Y/N)	N	N	Y	N	N	N	N	Y	N
Vapor Phase GAC Measurements									
VOC Concentrations (ppmV)									
Influent	0.5	NR	1.8	NR	1.3	NR	2.3	NR	NR
Midpoint	0.5	NR	0	NR	0	NR	0	NR	NR
Effluent	0	NR	0	NR	0	NR	0	NR	NR
Removal Efficiencies (%)									
VGAC 1	0.00%	NA	100.00%	NA	100.00%	NA	100.00%	NA	NA
VGAC 2	100.00%	NA	100.00%	NA	100.00%	NA	100.00%	NA	NA
Overall	100.00%	NA	100.00%	NA	100.00%	NA	100.00%	NA	NA
Electric Meter Reading (kW-h)	NR	NR	69375	69748	70596	NR	71374	71815	72182

Notes:

GAC = Granular Activated Carbon	ND = Not Detected
MTBE = methyl tertiary-butyl ether	NS = Not Sampled
TSS = Total Suspended Solids	N/A = Not Applicable
mg/L = micrograms per liter	NG = Not Gauged
ppmV = part per million by volume	NM = Not Measured
ppb = parts per billion	NR = Not Recorded
ft = feet	NC = Not Calculated
" H2O = inches of water column	gpm = gallons per minute
kW-h = kilowatt per hour	
psi = pounds per square inch	
* = exceeded hold times	
CDM startup on:	2/21/2006

TABLE 2-4
SUMMARY OF GROUNDWATER PUMP TREAT SYSTEM DATA
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Date of Visit	March 2006		April 2006		May 2006		June 2006			
	03/16/06	03/31/06	04/06/06	04/27/06	05/10/06	05/24/06	06/01/06	06/08/06	06/20/06	06/26/06
Operation Time										
Interval (Days)	--	15	6	21	13	14	8	7	12	6
Days of Operation	23	15	21	42	55	69	77	84	96	102
System Status (Up / Down / Off)										
Alarm Condition (Y/N)	Y	N	Y	N	Y	N	N	N	N	N
On Arrival	D	U	D	D	D	U	U	U	O	D
On Departure	U	U	U	U	O	U	U	U	U	U
Percent Uptime (Monthly)	71.0%		30.0%		67.7%		76.7%			
Liquid Flow Rates (gpm)										
FRAC Tank Influent	16	NR	15	10	10	7	7	7.5	7.5	8
FRAC Tank Effluent	26	NR	16.5	NR	25	18	19	19.5	19	20
Oil-Water Separator Effluent	36.1	NR	25.4	NR	25.4	24.4	25.3	24.7	25.1	24.7
Air Stripper Effluent	41	NR	30.9	NR	26	75.5	65	65	68	63.5
Cumulative Volume (gal)										
FRAC Tank Influent	6,342,315	6,577,540	6,643,930	6,691,900	6,754,170	6,814,552	6,880,961	6,935,476	6,945,170	6,949,810
FRAC Tank Effluent	7,481,140	7,705,550	7,762,700	7,806,400	7,862,870	7,922,331	7,990,164	8,043,985	8,056,950	8,592,000
Oil-water Separator Effluent	622,168	834,327	NR	NR	983,340	386,750	101,442	150,852	162,785	164,789
Air Stripper (AS) Effluent	NR	21,900,600	21,952,100	21,994,100	22,046,800	22,102,540	22,165,560	22,215,540	22,227,500	22,229,400
Air Compressor Measurements										
Air Compressor Pressure (psi)	105	95-120	95-120	NR	NR	NR	NR	67	75	70
Regulator Pressure (psi)	90	90	85	NR	NR	70	64	NR	NR	NR
Run Time (hrs)	9,857	10,201	10,288	10,340	10,454	10,591	10,757	10,824	10,949	NR
Pump Pressures (psi)										
FRAC Tank Pump	NR	NR	8	12	14	8	9	9.5	15	9
OWS Pump	8.5	NR	4.5	NR	5	22	5	5	6	5
AS Pump	32	NR	33	33	34	22	25	27	36	23
Filter Pressures (psi)										
Air Stripper Bag Filters										
Inlet	25	NR	27	NR	27	12	20	22	18	5
Outlet	26	NR	30	NR	29	6	12	12	22	15
Air Stripper Measurements										
Inlet Pressure ("H2O)	NR	NR	16.3	NR	NR	12.4	3.4	2.1	12.7	13
Outlet Pressure ("H2O)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Air Flowrate (cfm)	NR	NR	115	NR	70	197	287	309	NR	NR
Run Time (hrs)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Liquid Phase GAC Pressures (psi)										
Influent LGAC 1	NR	NR	30	30	30	NR	NR	NR	NR	NR
Influent LGAC 2	NR	NR	0	0	0	NR	NR	NR	NR	NR
Compliance Sampling (Y/N)	N	N	N	Y	N	N	N	N	N	N
Vapor Phase GAC Measurements										
VOC Concentrations (ppmV)										
Influent	NR	NR	NR	NR	2.1	1.9	2.3	0	0	3.1
Midpoint	NR	NR	NR	NR	2	0	0	0	0	0
Effluent	NR	NR	NR	NR	1.7	0	0	0	0	0
Removal Efficiencies (%)										
VGAC 1	NA	NA	NA	NA	4.76%	100.00%	100.00%	100.00%	100.00%	100.00%
VGAC 2	NA	NA	NA	NA	15.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Overall	NA	NA	NA	NA	19.05%	100.00%	100.00%	100.00%	100.00%	100.00%
Electric Meter Reading (kW-h)	NR	63838	64092	65096	65769	66537	67077	67592	67935	68271

Notes:
GAC = Granular Activated Carbon
MTBE = methyl tertiary-butyl ether
TSS = Total Suspended Solids
mg/L = micrograms per liter
ppmV = part per million by volume
ppb = parts per billion
ft = feet
" H2O = inches of water column
kW-h = kilowatt per hour
psi = pounds per square inch
* = exceeded hold times
CDM startup on: 2/21/2006

ND = Not Detected
NS = Not Sampled
N/A = Not Applicable
NG = Not Gauged
NM = Not Measured
NR = Not Recorded
NC = Not Calculated
gpm = gallons per minute

CDM

TABLE 2-5
COMPLIANCE SAMPLING RESULTS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Analyte	Units	RGP Discharge Limit*	Influent 6/9/2006	Effluent 6/9/2006	Influent 7/12/2006	Effluent 7/12/2006	Influent 8/23/2006	Effluent 8/23/2006	Influent 9/27/2006	Effluent 9/27/2006	Influent 10/25/2006	Effluent 10/25/2006	Influent 11/15/2006	Effluent 11/15/2006
Benzene	(µg/L)	5	127	<0.50	88.1	<0.50	69.6	<0.50	<0.50	<0.50	26.5	<0.50	114	<0.50
Toluene	(µg/L)	limited as total ug/L BTEX	38.7	<1.0	11.8	<1.0	12.7	<1.0	<1.0	<1.0	9.9	<1.0	44.0	<1.0
Ethylbenzene	(µg/L)	limited as total ug/L BTEX	40.7	<1.0	2.6	<1.0	10	<1.0	<1.0	<1.0	18.8	<1.0	50.2	<1.0
(m,p,o) Xylenes	(µg/L)	limited as total ug/L BTEX	378	1.1	324	<1.0	190	<1.0	<1.0	<1.0	197	<1.0	405	<1.0
Total BTEX	(µg/L)	100	584.4	1.1	426.5	<3.5	282.3	<3.5	<3.5	<3.5	252.2	<3.5	613.2	<3.5
MTBE	(µg/L)	70	7.0	<1.0	5.0	<1.0	5.5	<1.0	3.8	<1.0	2.6	<1.0	2.7	<1.0
Naphthalene	(µg/L)	20	<5.0	<5.0	18.6	<5.0	9.9	<5.0	<5.0	<5.0	9.0	<5.0	40.4	<5.0
Ethylene Dibromide	(µg/L)	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Group I PAHs	(µg/L)	10	1.64	<0.602	<0.60	<0.60	<0.40	<0.400	<0.402	<0.404	<0.442	<0.436	<0.436	<0.402
Benzo(a) Anthracene	(µg/L)	0.0038	0.48	<0.051	<0.050	<0.050	<0.050	<0.050	<0.051	<0.052	<0.056	<0.053	<0.053	<0.051
Benzo(a) Pyrene	(µg/L)	0.0038	0.26	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.11	<0.11	<0.10
Benzo(b) Fluoranthene	(µg/L)	0.0038	0.24	<0.051	<0.050	<0.050	<0.050	<0.050	<0.051	<0.052	<0.056	<0.053	<0.053	<0.051
Benzo(k) Fluoranthene	(µg/L)	0.0038	0.23	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.11	<0.11	<0.10
Chrysene	(µg/L)	0.0038	0.32	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.11	<0.11	<0.10
Dibenzo(a,h) anthracene	(µg/L)	0.0038	<0.10	<0.10	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd) Pyrene	(µg/L)	0.0038	0.11	<0.10	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA	NA
Total Group II PAHs	(µg/L)	100	5.97	<0.90	2.7	<0.90	<0.350	<0.350	<0.351	<0.352	<0.386	<0.383	16.66	<0.451
Acenaphthene	(µg/L)	limited as total ug/L Group II PAHs	<0.10	<0.10	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	(µg/L)	limited as total ug/L Group II PAHs	<0.10	<0.10	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	(µg/L)	limited as total ug/L Group II PAHs	<0.10	<0.10	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi) Perylene	(µg/L)	limited as total ug/L Group II PAHs	<0.10	<0.10	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	(µg/L)	limited as total ug/L Group II PAHs	1.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.11	<0.11	<0.10
Fluorene	(µg/L)	limited as total ug/L Group II PAHs	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.11	<0.11	<0.10
Naphthalene	(µg/L)	20	3.7	<0.10	2.7	<0.10	NA	NA	NA	NA	NA	NA	16.60	<0.10
Phenanthrene	(µg/L)	limited as total ug/L Group II PAHs	0.17	<0.10	0.20 B	0.21 B	<0.050	<0.050	<0.051	<0.052	<0.056	<0.053	0.057	<0.051
Pyrene	(µg/L)	limited as total ug/L Group II PAHs	0.89	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.11	<0.11	<0.10
Lead	(µg/L)	132	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	<5.0	<5.0
Iron	(µg/L)	5,000	2,050	<100	1210	<100	982	<100	1260	107	8,310	<100	1,880	<100
pH	SU	6.5-8.3	6.98	7.03	7.7	7.2	7.16	7.32	7.33	7.63	7.28	6.74	7.6	7.9
TPH	(mg/L)	--	NA	NA	NA	NA	<0.61	<0.61	<0.63	<0.62	<0.61	<0.61	<0.61	<0.61
PCBs	(µg/L)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Samples from 10/05 through 2/06 were collected by GES.
RGP = Remediation General Permit.
*RGP Discharge Limit applies to only effluent sample results.
µg/L = micrograms per liter.
NA = not analyzed.
BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes.
MTBE = Methyl tert-Butyl Ether.

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TABLE 2-6
NAPL GAUGING SUMMARY
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID:	GES-301I		EXP-10		EXP10R		EXP-13		ECS9		GES-228		GT-6			
Date	NAPL thickness (in)	Vol. Bailed (gal)	NAPL thickness (in)	Vol. Bailed (gal)	NAPL thickness (in)	Vol. Bailed (gal)	NAPL thickness (in)	Vol. Bailed (gal)	NAPL thickness (in)	Vol. Bailed (gal)	NAPL thickness (in)	Vol. Bailed (gal)	NAPL thickness (in)	Vol. Bailed (gal)	**Total volume bailed (gal)**	**Approx. % Product**
4/26/2006	99.72	NR	ND	NA	9.36	NR	3.84	NR	33.6	NR	1.44	NR	1.32	NR	not recorded	NR
5/10/2006	39.72	NR	0.12	NR	5.76	NR	4.44	NR	9.36	NR	1.08	NR	1.44	NR	not recorded	NR
6/26/2006	50.52	Y	ND	NA	4.44	Y	3.48	Y	14.04	N	1.2	N	1.32	N	1.5	NR
7/24/2006	10.92	1.5	ND	NA	7.08	2	ND	NA	10.92	N	ND	NA	2.04	1.5	5	1
8/23/2006	73.92	0.5	ND	NA	5.88	0.125	3.84	N	10.32	N	1.32	N	0.48	N	0.6	94
9/21/2006	66.12	Y	ND	NA	7.2	Y	4.08	Y	7.56	Y	1.08	N	0.72	N	2.5	NR
October	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
11/16/2006	111.72	Y	ND	NA	NG	NG	1.8	Y	33.84	Y	1.2	Y	0.48	Y	4	50

Notes
DTP = Depth to Product (Ft below top of riser pipe)
DTW = Depth to Water (Ft below top of riser pipe)
NA = Not Applicable
ND = NAPL not detected
NR = Not Recorded
NG = Not Gauged

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard						2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
ECS-4	21 Apr 00	8.93	NA	NA	NA	NA	31.6	216	40	385	673	<5.0	83	750	1,920	1,270
NA	23 Aug 00	8.32	NA	NA	NA	NA	<1.0	<5.0	<5.0	22.7	22.7	<5.0	54.6	200	190	400
	20 Nov 00	11.43	NA	NA	NA	NA	<1.0	6.3	23	65.7	95	<5.0	30.2	640	550	630
	12 Jan 01	12.85	NA	NA	NA	NA	<1.0	8.5	47.5	131.3	187.3	7.8	14.1	700	420	630
	11 Jul 01	10.45	NA	NA	NA	NA	<1.0	<5.0	<5.0	22.7	22.7	<5.0	36.8	350	170	150
	12 Oct 01	13.06	NA	NA	NA	NA	<1.0	<5.0	<5.0	<15.0	ND	<5.0	13.5	160	<100	100
992.14	20 Aug 02	13.51	NA	NA	NA	978.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	9.54	NA	NA	NA	982.60	<0.50	<1.0	<1.0	13.9	13.9	<1.0	14.2	72.2	<50	71
	01 Dec 03	9.05	NA	NA	NA	983.09	<2.0	9.9	159	310.4	479.3	<2.0	86.0	530	<50	835
	24 Feb 04	16.05	NA	NA	NA	976.09	<2.0	<2.0	<2.0	<4.0	ND	2.0	<3.0	219	<50	<50
	14 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	92.3	9.3	101.6	<2.0	40.7	919	861	1,120
	23 Feb 05	9.20	NA	NA	NA	982.94	<2.0	<2.0	<2.0	13.1	13.1	<2.0	6.2	279	<50	194
	10 May 06	9.12	NA	NA	NA	983.02	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	21-Sep-06	11.49	NA	NA	NA	980.65	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
ECS-7	19 May 98	14.18	NA	NA	NA	977.48	<25	<50	372	270	642	<25	129	310	1,730	770
991.66	30 Nov 98	17.33	NA	NA	NA	974.33	7.2	<50	249	<50	256.2	1,220	<50	<250	690	690
	01 Apr 99	14.55	NA	NA	NA	977.11	<5.0	38	735	1,492	2,265	27	104	790	1,120	2,060
	24 Aug 99	16.35	NA	NA	NA	975.31	2.9	16.5	561	378.6	959	96.3	60.5	560	900	1,190
	24 Nov 99	16.46	NA	NA	NA	975.20	<5.0	<25	634	598	1,232	51	153	<500	980	1,420
	21 Apr 00	14.44	NA	NA	NA	977.22	<5.0	105	691	1,218	2,014	<25	185	770	2,920	2,310
	23 Aug 00	13.73	NA	NA	NA	977.93	1.5	64	596	878	1,539.5	<5.0	144	<500	1,360	1,890
	20 Nov 00	15.47	NA	NA	NA	976.19	3.0	19.1	439	420.6	881.7	22.8	99.9	980	3,390	1,540
	11 Jul 01	14.40	NA	NA	NA	977.26	<1.0	16.8	180	355	551.8	6.8	45.4	350	880	610
	12 Oct 01	16.75	NA	NA	NA	974.91	1.9	<5.0	126	7.7	135.6	11.4	7.4	300	260	530
991.71	20 Aug 02	16.92	NA	NA	NA	974.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 May 03	18.30	NA	NA	NA	973.41	<2.0	<2.0	15.3	15.2	30.5	<2.0	<3.0	117.0	<50	82.2
	01 Dec 03	16.73	NA	NA	NA	974.98	<2.0	<2.0	21.3	4.7	26	<2.0	<3.0	<50	<50	67.7
	25 Feb 04	20.08	NA	NA	NA	971.63	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	14 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	22 Feb 05	16.78	NA	NA	NA	974.93	<2.0	<2.0	5.7	<4.0	5.7	<2.0	<3.0	<50	<50	<50

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
						MCP Method 1 GW-2 Standard	2,000	5,000	50,000	9,000		50,000	1,000	1,000	1,000	5,000
						MCP Method 1 GW-3 Standard	10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
GES-8	24 Nov 99	12.03	NA	NA	NA	983.75	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
995.78	21 Apr 00	9.83	NA	NA	NA	985.95	<1.0	50.2	38.8	197.5	286.5	<5.0	23.9	<100	600	600
	23 Aug 00	10.67	NA	NA	NA	985.11	<1.0	<5.0	<5.0	18.3	18.3	<5.0	<5.0	<100	<100	<100
	20 Nov 00	11.77	NA	NA	NA	984.01	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
995.78	12 Jan 01	13.17	NA	NA	NA	982.61	<1.0	<5.0	<5.0	73.6	73.6	<5.0	<5.0	<100	310	510
	11 Jul 01	10.82	NA	NA	NA	984.96	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	12 Oct 01	13.65	NA	NA	NA	982.13	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
990.15	20 Aug 02	12.01	NA	NA	NA	978.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	10.05	NA	NA	NA	980.10	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<5.0	<50	<50	<50
	02 Dec 03	14.52	NA	NA	NA	975.63	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
GES-9	24 Nov 99	14.91	NA	NA	NA	981.47	<1.0	<5.0	<5.0	<15	ND	<5.0	4.7	<100	<100	<100
996.38	21 Apr 00	13.36	NA	NA	NA	983.02	<1.0	<5.0	<5.0	20.4	20.4	<5.0	<5.0	<100	<100	<100
	23 Aug 00	12.23	NA	NA	NA	984.15	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	20 Nov 00	14.11	NA	NA	NA	982.27	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	12 Jan 01	14.83	NA	NA	NA	981.55	<1.0	<5.0	<5.0	29.7	29.7	<5.0	7.1	<100	180	300
990.72	20 Aug 02	14.57	NA	NA	NA	976.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	13.80	NA	NA	NA	976.92	<0.50	1.1	<1.0	<1.0	1.1	<1.0	<5.0	<50	<50	<50
	02 Dec 03	15.66	NA	NA	NA	975.06	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
GES-11	23 Aug 00	12.67	NA	NA	NA	985.44	<5.0	54	346	**2,100**	2,500	<25	143	1,940	2,560	3,390
998.11	20 Nov 00	14.86	NA	NA	NA	983.25	<5.0	<25	496	**1,348**	1,844	<25	187	3,510	3,640	2,930
	12 Jan 01	15.23	NA	NA	NA	982.88	<1.0	7.8	255	**526.4**	789.2	12	82	1,850	1,050	1,370
	19 Jan 01	15.65	NA	NA	NA	982.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	14.46	NA	NA	NA	983.65	<1.0	17	325	**999**	1,341	<5.0	145	2,270	2,400	1,400
	12 Oct 01	17.23	NA	NA	NA	980.88	<5.0	<25	344	**1,160**	1,504	<25	118	1,640	1,130	2,070
992.65	20 Aug 02	17.82	NA	NA	NA	974.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 May 03	16.70	NA	NA	NA	975.95	<2.0	8.9	226	**1,013.2**	1,248.1	<2.0	123	1,870	574	1,780
	01 Dec 03	16.90	NA	NA	NA	975.75	<2.0	<2.0	62.4	165.2	227.6	<2.0	47	813	<50	564
	25 Feb 04	19.49	NA	NA	NA	973.16	<2.0	4.0	170	**956.4**	1,130.4	<2.0	229	2,420	<50	2,420
	14 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	121	447.2	568.2	<2.0	101	1,450	1,200	1,200
	23 Feb 05	16.10	NA	NA	NA	976.55	<2.0	<2.0	118	404.1	522.1	<2.0	68.9	1,280	233	1,330
	10 Aug 05	19.20	NA	NA	NA	973.45	<2.0	<2.0	14.1	2.5	16.6	<2.0	7.6	424	<50	<50
	09 May 06	16.21	NA	NA	NA	976.44	<2.0	2.4	353	**2,945**	3,300.4	<2.0	319	**4,440**	1,990	**4,050**
	20-Sep-06	18.11	NA	NA	NA	974.54	<2.0	<2.0	21.4	64.3	85.7	<2.0	17.4	504	101	219

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:						2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
GES-12	23 Aug 00	12.47	NA	NA	NA	985.38	<5.0	2,740	2,030	10,120	14,890	<25	490	22,700	14,400	12,800
997.85	20 Nov 00	14.34	NA	NA	NA	983.51	104	3,810	2,010	8,740	14,664	<50	416	17,200	19,200	7,800
	12 Jan 01	14.70	NA	NA	NA	983.15	108	2,640	1,960	9,380	14,088	<100	530	9,700	11,300	13,300
	19 Jan 01	15.04	NA	NA	NA	982.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	13.90	NA	NA	NA	983.95	48	3,360	2,570	12,410	18,388	<100	670	14,800	22,400	10,900
	12 Oct 01	16.66	NA	NA	NA	981.19	99	1,790	1,790	8,280	11,959	<100	430	12,700	8,000	8,200
	20 Aug 02	17.26	NA	NA	NA	975.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
992.38	11 Dec 02	14.43	NA	NA	NA	977.95	84.5	955	1,480	7,300	9,819.5	<2.0	448	8,650	7,180	9,800
	29 May 03	16.40	NA	NA	NA	975.98	<10	333	1,470	6,310	8,113	<10	549	15,600	4,480	11,300
	02 Dec 03	14.64	NA	NA	NA	977.74	<2.0	54.1	410	3,716	4,180.1	<2.0	423	4,610	<50	18,300
	25 Feb 04	18.81	NA	NA	NA	973.57	<10	53.1	1,090	5,047	6,190.1	<10	959	38,700	<250	126,000
	14 Sep 04	NM	NA	NA	NA	NA	<10	293.0	1,280	4,958	6,531.0	543	566	86,400	41,000	28,800
	23 Feb 05	15.87	NA	NA	NA	976.51	14.6	125.0	612	4,110	4,861.6	<10	343	12,900	4,720	13,200
	10 Aug 05	18.42	NA	NA	NA	973.96	18.3	48.8	52.2	47.7	167.0	<2.0	32.6	498	<50	248
	09 May 06	10.02	NA	NA	NA	982.36	42.2	414	981	3,064	4,501.2	<2.0	481	2,620	<50	5,880
	20 Sep 06	17.31	NA	NA	NA	975.07	22.8	341	619	2,540	3,522.8	<4.0	292	5,450	2,860	4,840
GES-13	23 Aug 00	12.22	NA	NA	NA	986.50	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
998.72	20 Nov 00	15.63	NA	NA	NA	983.09	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	12 Jan 01	16.09	NA	NA	NA	982.63	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	19 Jan 01	16.65	NA	NA	NA	982.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	15.42	NA	NA	NA	983.30	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	12 Oct 01	18.22	NA	NA	NA	980.50	<1.0	<5.0	5.0	23	28	<5.0	<5.0	<100	<100	<100
993.27	20 Aug 02	18.72	NA	NA	NA	974.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	15.12	NA	NA	NA	978.15	<0.50	<1.0	<1.0	3.3	3.3	<1.0	<5.0	<50	<50	<50
	01 Dec 03	13.51	NA	NA	NA	979.76	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
GES-14	12 Jan 01	NS	NA	NA	NA	NA	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
998.65	19 Jan 01	7.20	NA	NA	NA	991.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20 Aug 02	13.39	NA	NA	NA	979.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30 May 03	NS	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
993.22	02 Dec 03	3.81	NA	NA	NA	989.41	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
GES-15	12 Jan 01	NS	NA	NA	NA	NA	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
998.52	19 Jan 01	6.07	NA	NA	NA	992.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
993.08	20 Aug 02	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30 May 03	NS	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	02 Dec 03	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GES-16	12 Jan 01	NS	NA	NA	NA	NA	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	19 Jan 01	16.06	NA	NA	NA	982.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	14.52	NA	NA	NA	984.34	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
998.86	12 Oct 01	17.97	NA	NA	NA	980.89	<1.0	9.0	<5.0	<15	9.0	<5.0	<5.0	<100	<100	<100
	20 Aug 02	18.57	NA	NA	NA	974.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
993.42	30 May 03	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	02 Dec 03	DRY	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

	Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
								Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
		Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		MCP Method 1 GW-2 Standard:						2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
		MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
†	GT-101	09 Aug 94	NS	NA	NA	NA	NA	0.4	ND	ND	ND	0.4	11	NS	NS	NS	NS
	989.72	07 Dec 94	16.38	NA	NA	NA	973.34	ND	ND	ND	ND	ND	23	NS	NS	NS	NS
		07 Apr 95	15.27	NA	NA	NA	974.45	ND	ND	ND	1	1	11	NS	NS	NS	NS
		03 Aug 95	15.01	NA	NA	NA	974.71	0.4	0.3	ND	ND	0.7	15	NS	NS	NS	NS
		14 Nov 95	16.98	NA	NA	NA	972.74	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	989.68	20 Aug 02	19.11	NA	NA	NA	970.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		11 Dec 02	18.20	NA	NA	NA	971.48	<0.50	<1.0	<1.0	<1.0	ND	65.5	<5.0	<50	<50	<50
		29 May 03	21.35	NA	NA	NA	968.33	<2.0	<2.0	<2.0	<4.0	ND	123	<3.0	<50	<50	<50
		03 Dec 03	18.40	NA	NA	NA	971.28	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
		24 Feb 04	19.93	NA	NA	NA	969.75	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		22 Feb 05	18.12	NA	NA	NA	971.56	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		10 Aug 05	18.85	NA	NA	NA	970.83	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	GT-102	09 Aug 94	NS	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
	990.03	07 Dec 94	15.37	NA	NA	NA	974.66	ND	ND	ND	ND	ND	5	NS	NS	NS	NS
		07 Apr 95	14.85	NA	NA	NA	975.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		03 Aug 95	16.55	NA	NA	NA	973.48	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS
		14 Nov 95	14.76	NA	NA	NA	975.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		23 Aug 00	14.03	NA	NA	NA	976.00	<1.0	<5.0	<5.0	32.9	32.9	<5.0	<5.0	<100	<100	<100
		12 Jan 01	15.48	NA	NA	NA	974.55	<1.0	<5.0	<5.0	11	11	<5.0	<5.0	<100	<100	<100
		11 Jul 01	14.47	NA	NA	NA	975.56	<1.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<100	<100	<100
		12 Oct 01	16.43	NA	NA	NA	973.60	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
		20 Aug 02	16.43	NA	NA	NA	973.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		11 Dec 02	15.50	NA	NA	NA	974.65	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<5.0	<50	<50	<50
		02 Dec 03	16.87	NA	NA	NA	973.28	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
†	GT-1	24 Aug 99	11.00	NA	NA	NA	NA	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	(Cont.)	23 Aug 00	7.23	NA	NA	NA	NA	<1.0	<5.0	6.1	105.3	111.4	<5.0	18.2	<100	590	860
		12 Jan 01	11.09	NA	NA	NA	NA	<1.0	<5.0	7.0	40	47.0	<5.0	<5.0	<100	<100	<100
		11 Jul 01	9.13	NA	NA	NA	NA	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
		12 Oct 01	10.64	NA	NA	NA	NA	<1.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<100	<100	<100
	992.80	20 Aug 02	12.17	NA	NA	NA	980.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		11 Dec 02	7.95	NA	NA	NA	984.85	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<5.0	<50	<50	<50
		30 May 03	9.90	NA	NA	NA	982.90	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		01 Dec 03	7.01	NA	NA	NA	985.79	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
		27 Feb 04	16.16	NA	NA	NA	976.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		09 Aug 05	11.15	NA	NA	NA	981.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:						2,000	8,000	30,000	9,000	-	50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500	-	50,000	20,000	4,000	20,000	4,000
GT-2	19 May 98	15.01	NA	NA	NA	975.49	3,180	7,460	310	12,440	23,390	<250	770	15,300	20,500	6,400
990.50	30 Nov 98	16.98	NA	NA	NA	973.52	5,520	12,900	1,140	10,570	30,130	<250	<500	14,100	15,100	7,300
	01 Apr 99	14.70	NA	NA	NA	975.80	3,580	8,270	510	8,330	20,690	<130	340	16,900	5,000	7,800
	24 Aug 99	17.09	NA	NA	NA	973.41	2,960	6,650	530	7,550	17,690	<100	300	14,200	4,300	5,600
	24 Nov 99	16.26	NA	NA	NA	974.24	2,650	5,660	310	6,000	14,620	<100	260	10,600	4,300	3,700
990.50	21 Apr 00	15.03	NA	NA	NA	975.47	2,710	5,060	280	6,750	14,800	<100	370	10,600	8,000	4,800
	23 Aug 00	14.49	NA	NA	NA	976.01	3,060	6,030	730	7,300	17,120	<100	350	11,700	6,300	5,600
	12 Jan 01	15.84	NA	NA	NA	974.66	2,640	5,270	499	6,430	14,839	<50	312	10,600	6,700	5,400
	11 Jul 01	15.03	NA	NA	NA	975.47	1,290	3,070	332	5,040	9,732	<50	174	7,200	9,800	5,600
	12 Oct 01	16.73	NA	NA	NA	973.77	2,510	6,050	1,080	7,660	17,300	<50	339	11,100	6,600	6,200
990.29	20 Aug 02	16.23	16.22	0.01	NA	974.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 May 03	20.90	NA	NA	NA	969.39	1,560	2,950	320	5,210	10,040	<10	152	8,620	2,160	5,550
	03 Dec 03	18.96	NA	NA	NA	971.33	1,200	1,660	1,360	8,160	12,380	<10	610	67,300	<250	24,800
	25 Feb 04	21.60	NA	NA	NA	968.69	1,180	2,280	881	4,680	9,021	<10	424	275,000	<250	11,600
	13 Sep 04	NM	NA	NA	NA	NA	925	1,130	618	3,111	5,784	<10	252	8,700	5,600	4,140
	22 Feb 05	20.05	NA	NA	NA	970.24	716	1,380	518	2,808	5,422	<4.0	194	8,400	1,290	3,230
	10 May 06	18.71	NA	NA	NA	971.58	722	1,430	552	3,515	6,219	<2.0	239	10,700	1,520	4,480
	20 Sep 06	19.31	NA	NA	NA	970.98	784	110	623	2,437	3,954	<4.0	249	8,880	2,260	2,800
GT-3	18 Oct 97	14.75	14.67	0.08	NA	975.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
990.27	25 Nov 96	14.96	14.94	0.02	NA	975.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	19 Dec 96	13.30	13.28	0.02	NA	976.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	31 Jan 97	14.18	14.16	0.02	NA	976.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06 Mar 97	13.90	NA	NA	NA	976.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01 Apr 99	13.80	13.78	0.02	0.10	976.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
990.27	24 Nov 99	17.05	15.95	1.10	NA	974.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	28 Jan 00	16.80	15.89	0.91	0.50	974.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10 Feb 00	16.66	16.32	0.34	0.50	973.87	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21 Apr 00	13.90	13.63	0.27	0.03	976.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23 Aug 00	13.15	NA	0.00	NA	977.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20 Nov 00	14.83	14.82	0.01	0.03	975.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 Dec 00	14.78	14.76	0.02	0.00	975.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 Jan 01	16.21	15.65	0.56	0.25	974.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	14.04	13.93	0.11	NA	976.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Oct 01	15.89	15.10	0.79	0.80	974.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
990.53	20 Aug 02	16.89	NA	0.00	NA	973.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	15.69	14.50	1.19	0.80	975.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 May 03	17.65	NA	NA	NA	972.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03 Dec 03	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:						2,000	5,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
GT-4	30 Nov 98	17.50	NA	NA	NA	975.59	298	170	369	3,500	4,337	1,020	500	1,630	15,400	11,800
993.09	01 Apr 99	13.54	NA	NA	NA	979.55	269	33	126	1,519	1,947	1,690	468	<250	3,700	8,910
	24 Aug 99	16.97	NA	NA	NA	976.12	309	76	160	1,953	2,498	1,540	-	<500	4,860	8,850
	24 Nov 99	15.55	NA	NA	NA	977.54	588	63	174	1,998	2,823	2,230	874	<500	6,530	8,600
	21 Apr 00	12.17	NA	NA	NA	980.92	308	36	100	1,335	1,779	533	390	<500	8,620	6,900
	23 Aug 00	11.32	NA	NA	NA	981.77	166	79	307	2,026	2,578	66	476	<500	5,620	7,160
	09 Aug 05	DESTROYED														
GT-5	21 Apr 00	13.22	13.05	0.17	0.02	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23 Aug 00	12.67	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	12.52	NA	NA	NA	NA	21	1,230	875	9,730	11,856	133	431	4,700	23,400	13,200
NA	12 Oct 01	15.59	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
990.15	20 Aug 02	15.58	15.57	0.01	NA	974.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	13.85	NA	NA	NA	976.30	12.9	519	945	15,400	16,876.9	15.1	847	11,900	11,300	17,400
	29 May 03	17.20	NA	NA	NA	972.95	<10	56.7	173	5,720	5,949.7	<10	365	3,680	2,750	14,500
	24 Feb 04	18.43	NA	NA	NA	971.72	<10	27.2	194	3,577	3,798.2	18.3	414	9,400	<250	23,700
GT-6	18 Oct 96	14.86	14.82	0.04	NA	975.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
990.27	25 Nov 96	14.91	14.87	0.04	NA	975.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	19 Dec 96	13.49	13.45	0.04	NA	976.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	31 Jan 97	14.34	14.31	0.03	NA	975.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06 Mar 97	13.81	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01 Apr 99	14.14	NS	NS	NA	NS	1,220	5,010	560	8,160	14,950	230	410	6,400	5,100	10,200
	24 Nov 99	15.69	NA	0.00	NA	974.58	2,420	9,080	2,190	11,610	25,300	1,270	770	12,400	6,800	8,200
	28 Jan 00	15.99	15.97	0.02	0.00	974.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21 Apr 00	13.43	13.28	0.15	NA	976.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23 Aug 00	13.89	13.86	0.03	0.00	976.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20 Nov 00	14.98	14.95	0.03	0.00	975.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 Jan 01	16.02	15.59	0.43	0.25	974.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	14.30	14.27	0.03	NA	975.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Oct 01	16.23	16.22	0.01	NA	973.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20 Aug 02	16.42	16.41	0.01	NA	973.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 May 03	19.10	19.00	0.10	NA	971.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02 Dec 03	17.20	NA	NA	NA	972.92	901	11,300	10,200	46,500	68,901	<100	4,560	120,000	<2500	135,000
	27 Feb 04	NA	20.44	0.02	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10 May 06	17.74	17.62	0.12	NA	972.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard						2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
† GT-7	19 May 98	14.08	NA	NA	NA	975.77	<25	<50	<25	**536**	536	<25	188	<250	500	<250
989.85	30 Nov 98	16.23	NA	NA	NA	973.62	6.3	<10	<5	22	28.6	<5	94	<50	195	138
	01 Apr 99	13.80	NA	NA	NA	976.05	2.6	37	49	**667**	756.2	<5.0	118	434	**1,210**	1,980
	24 Aug 99	16.35	NA	NA	NA	973.50	8.2	<5.0	<5.0	14	22.2	<5.0	108	<100	<100	110
	24 Nov 99	15.24	NA	NA	NA	974.61	7.6	15	60	156.4	239.5	<5.0	123	230	280	380
	21 Apr 00	13.73	NA	NA	NA	976.12	5.9	10.5	31.8	176.1	224.3	<5.0	75.7	410	400	380
	23 Aug 00	13.10	NA	NA	NA	976.75	6.1	12.4	25.1	160.6	204.2	<5.0	93.8	280	280	440
	12 Jan 01	14.72	NA	NA	NA	975.13	3.8	<5.0	7.8	<15	11.6	<5.0	12.5	<100	<100	<100
	11 Jul 01	13.82	NA	NA	NA	976.03	5.6	<5.0	19.3	43.1	68.0	<5.0	63.3	<100	260	250
	12 Oct 01	15.75	NA	NA	NA	974.10	7.6	<5.0	<5.0	<15	7.6	<5.0	<5.0	<100	<100	<100
989.76	20 Aug 02	13.23	NA	NA	NA	976.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	14.82	NA	NA	NA	974.94	4.1	7.5	50.6	179.0	241.2	<1.0	34.7	211	117	319
	29 May 03	19.20	NA	NA	NA	970.56	<2.0	<2.0	<2.0	2.1	2.1	<2.0	<3.0	<50	<50	<50
	02 Dec 03	17.31	NA	NA	NA	972.45	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
† RW-1	18 Oct 96	16.00	NA	NA	NA	976.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
992.48	31 Jan 97	NS	NS	NS	1.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06 Mar 97	NS	NS	NS	0.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01 Apr 99	NS	NS	NS	1.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	24 Aug 99	20.20	18.98	1.22	2.00	973.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	28 Jan 00	18.52	18.30	0.22	0.30	974.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10 Feb 00	NS	NS	0.67	2.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21 Apr 00	16.80	16.50	0.30	0.50	975.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23 Aug 00	16.20	15.85	0.35	NA	976.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20 Nov 00	16.80	14.00	2.80	1.75	977.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 Dec 00	16.75	16.70	0.05	2.00	975.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 Jan 01	17.86	17.76	0.10	0.25	974.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	17.17	15.40	1.77	1.00	976.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Oct 01	18.34	18.30	0.04	0.60	974.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
992.46	20 Aug 02	21.46	17.63	3.83	0.00	973.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 May 03	22.50	20.95	1.55	NA	971.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
RW-101	24 Feb 04	20.33	NA	NA	NA	969.66	<2.0	<2.0	<2.0	5.9	5.9	<2.0	<3.0	<50	<50	<50
989.99																
RW-2	28 Jan 00	17.50	16.05	1.45	1.10	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NA	30 Mar 00	16.33	14.95	1.38	3.00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21 Apr 00	14.52	14.39	0.13	0.50	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23 Aug 00	13.69	13.65	0.04	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20 Nov 00	15.22	NS	NS	0.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 Jan 01	17.10	16.00	1.10	1.75	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	15.59	14.57	1.02	1.20	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Oct 01	17.30	17.22	0.08	0.10	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
991.49	20 Aug 02	17.58	NA	NA	NA	973.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	16.45	NA	NA	NA	975.04	3,320	**13,700**	3,390	**20,600**	41,010	30	1,160	**18,700**	13,000	**13,600**
	29 May 03	18.60	NA	NA	NA	972.89	2,250	**9,870**	2,570	**12,450**	27,140	<20	789	**20,600**	6,200	**14,800**
	10 Aug 05	19.38	NA	NA	NA	972.11	120.0	70.8	35.3	112.4	338.5	3.2	34.0	567	168	341

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics					
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:						2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
RW-3	31 Jan 97	NS	NS	NS	0.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
989.89	06 Mar 97	NS	NS	NS	1.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	28 Jan 00	16.96	15.32	1.64	0.60	974.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30 Mar 00	14.30	13.52	0.78	1.00	976.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21 Apr 00	14.60	14.09	0.51	0.06	975.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23 Aug 00	13.66	NA	0.00	NA	976.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20 Nov 00	14.83	14.82	0.01	NA	975.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 Jan 01	16.18	15.72	0.46	0.50	974.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Jul 01	14.55	14.34	0.21	0.50	975.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Oct 01	16.07	15.87	0.20	0.20	973.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20 Aug 02	16.16	16.15	0.01	NA	973.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Dec 02	15.65	14.15	1.50	0.20	975.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29 May 03	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GES-201	11 Dec 02	15.14	NA	NA	NA	974.92	71.2	9.8	466	1,100	1,647	51.2	176	2,110	2,100	4,330
990.06	29 May 03	17.90	NA	NA	NA	972.16	41.1	74.5	353	519.5	988.1	46.1	69.3	3,160	542	2,970
	20 Jun 03	18.36	NA	NA	NA	971.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	24 Feb 04	17.10	NA	NA	NA	972.96	6.0	<2.0	18.3	15.8	40.1	10	6.2	1,200	<50	531
	13 Sep 04	NM	NA	NA	NA	NA	7.6	<2.0	6.3	<4.0	13.9	<2.0	4.1	1,100	88	509
	22 Feb 05	16.80	NA	NA	NA	973.26	2.9	4.1	142.0	224.1	373.1	<2.0	35.2	332	207	791
	10 Aug 05	18.04	NA	NA	NA	972.02	4.2	<2.0	7.1	<2.0	11.3	<2.0	<3.0	367	<50	83
	10 May 06	16.88	NA	NA	NA	973.18	4.1	<2.0	23.6	12.5	40.2	<2.0	4.2	367	61.1	220
	20 Sep 06	17.63	NA	NA	NA	972.43	4.7	<2.0	8.5	5.4		<2.0	<3.0	358	80.0	167
† GES-202	11 Dec 02	13.69	NA	NA	NA	976.42	<0.5	<1.0	<1.0	<1.0	ND	5.6	<5.0	<50	<50	<50
990.11	29 May 03	17.60	NA	NA	NA	972.51	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	20 Jun 03	18.49	NA	NA	NA	971.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02 Dec 03	16.35	NA	NA	NA	973.76	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	24 Feb 04	20.58	NA	NA	NA	969.53	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
† GES-203	11 Dec 02	11.90	NA	NA	NA	977.94	<0.50	2.9	4.9	75.3	83.1	<1.0	99.3	116	<50	882
989.84	29 May 03	13.50	NA	NA	NA	976.34	<2.0	<2.0	<2.0	10.0	10.0	<2.0	67.0	104	109	581
	20 Jun 03	16.21	NA	NA	NA	973.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02 Dec 03	13.67	NA	NA	NA	976.17	<2.0	<2.0	<2.0	9.5	9.5	<2.0	34.0	62.8	<50	479
	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	72.8
	21 Feb 05	16.04	NA	NA	NA	973.80	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
GES-204	11 Dec 02	14.86	NA	NA	NA	974.57	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<5.0	<50	<50	<50
989.43	29 May 03	17.00	NA	NA	NA	972.43	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	20 Jun 03	19.58	NA	NA	NA	969.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02 Dec 03	14.69	NA	NA	NA	974.74	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	24 Feb 04	20.78	NA	NA	NA	968.65	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
GES-205	11 Dec 02	14.07	NA	NA	NA	974.99	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<5.0	<50	<50	<50
989.06	30 May 03	18.50	NA	NA	NA	970.56	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	01 Dec 03	19.33	NA	NA	NA	969.73	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	10 May 06	16.64	NA	NA	NA	972.42	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	21 Sep 06	16.02	NA	NA	NA	973.04	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

	Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
								Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
		Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		MCP Method 1 GW-2 Standard:						2,000	6,000	30,000	9,000	--	50,000	1,000	3,000	1,000	5,000
		MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
**	GES-206	11 Dec 02	23.30	12.75	10.55	NA	973.78	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	989.06	04 Dec 03	21.34	19.48	1.86	NA	969.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		27 Feb 04	21.86	21.83	0.03	NA	967.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		12 Mar 04	22.96	22.55	0.41	NR	966.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
†	GES-208	11 Dec 02	13.37	NA	NA	NA	980.10	470	3,790	1,980	**13,400**	19,640	401	416	**7,810**	**10,300**	**8,990**
	993.47	29 May 03	16.00	NA	NA	NA	977.47	311	2,950	2,360	**9,920**	15,541	237	547	**7,500**	**6,140**	**7,510**
		02 Dec 03	16.85	NA	NA	NA	976.62	512	224	1,960	**9,010**	11,706	82.7	510	**9,440**	52.0	**9,030**
		27 Feb 04	20.00	NA	NA	NA	973.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		13 Sep 04	NM	NA	NA	NA	NA	630	298	1,520	**5,591**	8,039	26.3	720	**4,790**	**4,850**	**8,720**
		23 Feb 05	18.60	NA	NA	NA	974.87	745	616	2,070	**7,300**	10,731	<10	588	**9,720**	**3,400**	**10,400**
		10 Aug 05	19.67	NA	NA	NA	973.80	207	55.7	286	**1,167**	1,715.7	<2.0	147	**6,140**	305	**6,810**
		10 May 06	15.50	NA	NA	NA	977.97	314	632	3,000	**15,580**	19,526	<2.0	598	**6,210**	**1,080**	**33,600**
		20 Sep 06	17.96	NA	NA	NA	975.51	302	525	2,090	**10,020**		<2.0	1,100	**8,710**	**10,900**	**17,800**
	GES-209	21 Mar 03	12.96	NA	NA	NA	976.36	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	989.32	30 May 03	13.10	NA	NA	NA	976.22	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		03 Dec 03	13.09	NA	NA	NA	976.23	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
		27 Feb 04	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	989.31	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
		22 Feb 05	16.00	NA	NA	NA	973.31	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	GES-210	30 May 03	9.80	NA	NA	NA	975.86	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	985.66	04 Dec 03	8.23	NA	NA	NA	977.43	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
		27 Feb 04	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		09 Aug 05	13.00	NA	NA	NA	969.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GES-211	21 Mar 03	13.66	NA	NA	NA	977.21	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	990.87	30 May 03	14.40	NA	NA	NA	976.47	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		04 Dec 03	14.63	NA	NA	NA	976.24	<2.0	<2.0	<2.0	<2.0	ND	<2.1	<3.1	<50	<50	<50
		27 Feb 04	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		09 Aug 05	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GES-212	21 Mar 03	10.89	NA	NA	NA	976.74	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	987.63	30 May 03	11.65	NA	NA	NA	975.98	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
		05 Dec 03	MISSING under mud.					NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	987.59	14 Sep 04	NM	NA	NA	NA	NA	12.2	55.3	61.4	**2,047**	2,175.9	<2.0	232	1,290	2,590	**7,440**
		21 Feb 05	11.69	NA	NA	NA	975.90	3.3	<2.0	19.2	292	314.5	<2.0	49.6	490	411	942
		10 Aug 05	12.24	NA	NA	NA	975.35	<2.0	<2.0	<2.0	34.6	34.6	<2.0	6.7	<50	<50	<50
	GES-213	21 Mar 03	9.53	NA	NA	NA	979.67	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	989.20	30 May 03	9.90	NA	NA	NA	979.30	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		04 Dec 03	10.74	NA	NA	NA	978.46	<2.0	<2.0	<2.0	3.3	3.3	<2.0	<3.0	348	<50	<50
		27 Feb 04	13.87	13.85	0.02	NA	975.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:						2,000	6,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
GES-214	21 Mar 03	10.65	NA	NA	NA	975.95	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
986.60	30 May 03	12.20	NA	NA	NA	974.40	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	05 Dec 03	11.79	NA	NA	NA	974.81	228	44.4	76.6	964	1,313	<2.0	42.7	691	109	806
	27 Feb 04	15.94	NA	NA	NA	970.66	195	4.6	181	258.2	638.8	<2.0	115	868	<50	1,030
986.57	13 Sep 04	NM	NA	NA	NA	NA	3.2	<2.0	4.0	26.3	33.5	7.8	60.0	71.3	<50	564
	21 Feb 05	13.38	NA	NA	NA	973.19	<2.0	<2.0	<2.0	3.3	3.3	<2.0	<3.0	<50	<50	<50
	10 Aug 05	15.30	NA	NA	NA	971.27	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
GES-215	21 Mar 03	11.46	NA	NA	NA	975.19	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
986.65	30 May 03	13.70	NA	NA	NA	972.95	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	04 Dec 03	11.66	NA	NA	NA	974.99	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	27 Feb 04	15.91	NA	NA	NA	970.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	4.3	<3.0	<50	<50	<50
	21 Feb 05	15.39	NA	NA	NA	971.26	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	10 Aug 05	15.45	NA	NA	NA	971.20	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
GES-216	10 Apr 03	14.05	NA	NA	NA	NA	245	559	602	**2,777**	4,183	<4.0	261	2,820	1,000	**4,110**
986.88	30 May 03	20.50	NA	NA	NA	NA	66.7	1,330	2,010	**9,010**	12,416.7	<10	1,110	**9,730**	4,380	**20,300**
	03 Dec 03	19.28	19.25	0.03	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01 Feb 04	20.91	20.80	0.11	NA	966.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10 Aug 05	22.69	NA	NA	NA	964.19	10.5	72.9	201.0	**3,403**	3,687.4	<10.0	465.0	**6,240**	<250	**22,900**
	09 May 06	17.05	NA	NA	NA	969.83	11.1	14.5	11.0	42.8	79.4	<2.0	7.1	230	100	541
	21 Sep 06	17.53	NA	NA	NA	969.35	245.0	327.0	267.0	672.0	1,511.0	<2.0	103.0	2,790	751	1,160
GES-217	10 Apr 03	13.46	NA	NA	NA	NA	19.6	14.4	11.6	32	77.6	2.8	<3.0	88.1	<50	<50
986.76	30 May 03	20.65	NA	NA	NA	NA	450	158	191	333.2	1,132.2	<2.0	61.4	2,070	68.0	549
	05 Dec 03	19.10	NA	NA	NA	NA	539	**10,100**	**4,540**	**40,100**	55,279	100	5,120	**67,700**	3,400	**85,600**
	26 Feb 04	20.78	NA	NA	NA	965.98	28.1	442	300	**2,636**	3,406	<2.0	416	**14,700**	<50	**14,200**
	12 Mar 04	21.50	NA	NA	NA	965.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21 Feb 05	21.13	20.53	0.60	NA	966.09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10 Aug 05	22.68	NA	NA	NA	964.08	383	1,360	**5,250**	**36,850**	43,843	<50	4,550	**220,000**	**34,000**	**171,000**
	09 May 06	16.94	NA	NA	NA	969.82	90.5	15.5	96.8	**906.4**	1,109.2	6.3	176	**6,380**	<50	**11,000**
	21 Sep 06	17.31	NA	NA	NA	969.45	119.0	39.5	337.0	672.8	1,168.3	<2.0	295	**16,900**	7,110	**5,820**
GES-218	03 Dec 03	21.10	20.46	0.64	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
989.74	27 Feb 04	25.01	NA	NA	NA	964.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Mar 04	NM	22.66	NM	NR	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09 Aug 05	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GES-219	30 May 03	16.10	NA	NA	NA	NA	416	259	199	477.9	1,351.9	<4.0	64.0	1,850	<100	695
981.58	05 Dec 03	13.84	NA	NA	NA	NA	232	19.7	22.0	68.4	342.1	90.7	32.6	1,280	<50	199
	27 Feb 04	15.55	NA	NA	NA	966.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Mar 04	16.99	NA	NA	NA	964.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	13 Sep 04	NM	NA	NA	NA	NA	2.8	<2.0	<2.0	<4.0	2.8	2.7	<3.0	<50	<50	<50
	22 Feb 05	15.65	NA	NA	NA	965.93	115.0	<2.0	13.4	<4.0	128.4	33.6	<3.0	400	<50	73.0
	11 Aug 05	15.41	NA	NA	NA	966.17	<2.0	<2.0	<2.0	12.8	12.8	<2.0	6.1	<50	93.7	295
	09 May 06	11.83	NA	NA	NA	969.75	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	21 Sep 06	12.24	NA	NA	NA	969.34	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:						2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
GES-220	30 May 03	19.50	NA	NA	NA	NA	688	121	299	470.6	1,578.6	38.5	73.9	2,100	<100	862
	05 Dec 03	18.70	NA	NA	NA	NA	683	134	253	**557**	1,627	69.4	104	3,600	112	822
988.39	26 Feb 04	20.78	NA	NA	NA	967.61	91.6	2.4	<2.0	7.3	101.3	12.0	11.3	603	<50	94.0
	12 Mar 04	20.56	NA	NA	NA	967.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Aug 05	27.25	NA	NA	NA	961.14	347	10.8	209	143.8	710.6	29.3	36.5	2,150	280	466
GES-221	04 Dec 03	19.00	NA	NA	NA	968.28	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
987.28	27 Feb 04	20.38	NA	NA	NA	966.90	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	12 Mar 04	21.54	NA	NA	NA	965.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	21 Feb 05	20.09	NA	NA	NA	967.19	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	10 Aug 05	21.31	NA	NA	NA	965.97	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	09 May 06	17.25	NA	NA	NA	970.03	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	21 Sep 06	17.77	NA	NA	NA	969.51	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
GES-222	05 Dec 03	19.00	NA	NA	NA	NA	1,640	**9,010**	993	**9,370**	21,013	57.5	473	**21,800**	1,760	**8,090**
986.73	26 Feb 04	20.70	NA	NA	NA	966.03	37.9	127	54.2	**700**	919.1	11.0	44.8	1,690	<50	959
	12 Mar 04	21.60	21.10	0.50	NR	965.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09 Aug 05	19.05	19.00	0.05	NA	967.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GES-223	02 Dec 03	17.63	NA	NA	NA	NA	674	3.6	9.3	7.6	694.5	1,600	<3.0	1,090	<50	177
989.16	24 Feb 04	21.00	NA	NA	NA	968.16	925	<2.0	<2.0	<4.0	925	1,460	<3.0	1,430	<50	69.1
	13 Sep 04	NM	NA	NA	NA	NA	98.6	<2.0	<2.0	<4.0	98.6	309	<3.0	<50	<50	<50
	22 Feb 05	19.45	NA	NA	NA	969.71	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	10 Aug 05	19.54	NA	NA	NA	969.62	<2.0	<2.0	<2.0	5.3	5.3	7.7	<3.0	<50	<50	76.5
	09 May 06	17.90	NA	NA	NA	971.26	<2.0	<2.0	<2.0	<4.0	ND	7.4	<3.0	<50	<50	<50
	20 Sep 06	18.50	NA	NA	NA	970.66	<2.0	<2.0	<2.0	<4.0	ND	30.9	<3.0	<50	<50	<50
† GES-224	03 Dec 03	18.65	NA	NA	NA	970.83	<2.0	<2.0	<2.0	<2.0	ND	1,040	<3.0	<50	<50	<50
989.48	24 Feb 04	21.43	NA	NA	NA	968.05	3.6	<2.0	<2.0	<4.0	3.6	232	<3.0	<50	<50	<50
	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	3.7	<3.0	<50	<50	<50
	22 Feb 05	20.15	NA	NA	NA	969.33	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	10 Aug 05	20.02	NA	NA	NA	969.46	<2.0	<2.0	<2.0	2.8	2.8	104.0	<3.0	<50	<50	<50
	09 May 06	18.70	NA	NA	NA	970.78	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	20 Sep 06	19.28	NA	NA	NA	970.20	<2.0	<2.0	<2.0	<4.0	ND	12.5	<3.0	<50	<50	<50
† GES-225	02 Dec 03	18.17	NA	NA	NA	NA	611	**9,160**	2,410	**12,610**	24,791	<2.0	549	**21,200**	211	**10,900**
992.82	27 Feb 04	23.20	NA	NA	NA	969.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Mar 04	22.85	22.80	0.05	NA	970.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Aug 05	20.57	NA	NA	NA	972.25	115	314	2,100	**8,546**	11,075	49.7	363	**9,240**	**7,460**	**9,380**
	10 May 06	18.14	NA	NA	NA	974.68	243	587	1,930	**8,285**	11,045	<2.0	468	**8,170**	354	**9,600**
	10 May 06 DUP	18.14	NA	NA	NA	974.68	252	614	1,760	**7,657**	10,283	<2.0	501	**8,310**	<50	**9,090**
	21 Sep 06	19.87	NA	NA	NA	972.95	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
GES-226	04 Dec 03	17.53	NA	NA	NA	NA	128	578	92.6	408.8	1,207.4	<2.0	<3.0	**12,800**	<50	375
989.27	24 Feb 04	19.70	NA	NA	NA	969.57	12.9	19.3	3.1	42.7	78.0	16.0	3.1	**4,100**	<50	165
	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	217	<50	<50
	21 Feb 05	20.11	NA	NA	NA	969.16	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	11 Aug 05	20.84	NA	NA	NA	968.43	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<50	<50	<50

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:						2,000	8,000	30,000	9,000	-	50,000	1,000	4,000	4,000	5,000
	MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
† GES-227	27 Feb 04	23.02	23.00	0.02	NA	967.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
990.42	12 Mar 04	23.74	23.15	0.59	NA	967.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21 Feb 05	25.90	25.00	0.90	NA	965.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
† GES-228	01 Dec 03	23.57	NA	NA	NA	NA	22.2	2,160	1,400	**9,930**	13,512.2	<20	**1,460**	**16,500**	<500	**41,300**
991.40	27 Feb 04	23.61	23.56	0.05	NA	967.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	13 Sep 04	NM	NA	NA	NA	NA	81.6	786	343	**4,600**	5,810.6	<2.0	643	**21,400**	**4,130**	**11,700**
	09 Aug 05	26.30	26.20	0.05	NA	965.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10 May 06	18.71	18.62	0.09	NA	972.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
† GES-229	04 Dec 03	24.13	NA	NA	NA	NA	<2.0	<2.0	<2.0	2.3	2.3	<2.0	<3.0	<50	<50	<50
990.80	25 Feb 04	23.81	NA	NA	NA	966.99	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	21 Feb 05	20.88	NA	NA	NA	969.92	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
GES-230	04 Dec 03	20.12	20.06	0.06	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
988.82	27 Feb 04	22.92	NA	NA	NA	965.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Mar 04	23.81	23.79	0.02	NA	965.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GES-231	05 Dec 03	23.48	23.02	0.46	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
987.72	26 Feb 04	21.68	NA	NA	NA	966.04	935	**6,370**	1,480	**9,160**	17,945	<2.0	694	**13,300**	<50	**11,500**
	10 Aug 05	25.15	NA	NA	NA	962.57	55.3	48.4	62.3	142.4	308.4	13.8	22.5	1,050	233	348
	09 May 06	17.91	NA	NA	NA	969.81	507	726	252	**955**	2,440	<2.0	119	2,580	220	1,720
	21 Sep 06	18.27	NA	NA	NA	969.45	395	456	245	**857**	1,953	<2.0	150	3,660	1,640	2,110
GES-232	04 Dec 03	20.19	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
988.21	27 Feb 04	25.10	20.60	4.50	NA	963.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12 Mar 04	22.42	NM	NA	NA	965.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GES-301D	26 Feb 04	16.51	NA	NA	NA	975.89	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
992.40	14 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	23 Feb 05	15.33	NA	NA	NA	977.07	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	10 Aug 05	17.03	NA	NA	NA	975.37	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	268	205
GES-301I	10 May 06	22.15	18.84	3.31	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GES-301M	27 Feb 04	27.20	20.84	6.36	NA	970.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
992.40	09 Aug 05	20.86	22.25	1.39	NA	972.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GES-301S	26 Feb 04	11.64	NA	NA	NA	980.77	<2.0	<2.0	13.7	32.4	46.1	<2.0	11.1	76.4	<50	370
992.41	10 Aug 05	11.50	NA	NA	NA	980.91	<2.0	<2.0	<2.0	2.4	2.4	<2.0	<3.0	<50	<50	<50
	10 May 06	10.09	NA	NA	NA	982.32	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	20 Sep 06	10.91	NA	NA	NA	981.50	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
GES-302D	24 Feb 04	16.19	NA	NA	NA	974.19	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
990.38	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	2.4	2.4	<2.0	<3.0	<50	<50	<50
	21 Feb 05	15.87	NA	NA	NA	974.51	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
GES-302I	24 Feb 04	22.05	NA	NA	NA	968.34	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
990.39	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	21 Feb 05	20.25	NA	NA	NA	970.14	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

	Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
								Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
		Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							MCP Method 1 GW-2 Standard:	2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
							MCP Method 1 GW-3 Standard:	10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
	GES-302S	27 Feb 04	14.95	NA	NA	NA	975.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	990.40																
	GES-303	27 Feb 04	13.96	NA	NA	NA	973.20	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	987.16	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	3.3	<3.0	<50	<50	<50
		21 Feb 05	14.23	NA	NA	NA	972.93	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		10 Aug 05	15.38	NA	NA	NA	971.78	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
†	GES-304D	24 Feb 04	16.98	NA	NA	NA	972.00	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	988.98	22 Feb 05	17.30	NA	NA	NA	971.68	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
†	GES-304I	24 Feb 04	17.00	NA	NA	NA	971.98	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	988.98	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
†	GES-304S	24 Feb 04	10.99	NA	NA	NA	978.02	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	989.01																
†	GES-305	25 Feb 04	17.96	NA	NA	NA	972.99	<2.0	<2.0	<2.0	2.2	2.2	<2.0	<3.0	<50	<50	<50
	990.95	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		21 Feb 05	12.20	NA	NA	NA	978.75	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
†	GES-306	24 Feb 04	16.36	NA	NA	NA	974.59	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	989.37	10 Aug 05	18.57	NA	NA	NA	972.38	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
†	GES-307	25 Feb 04	16.56	NA	NA	NA	972.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	988.89																
†	GES-308	27 Feb 04	13.81	NA	NA	NA	976.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	990.56																
	GES-310	27 Feb 04	22.82	NA	NA	NA	968.91	2.8	<2.0	2.4	2.8	8.0	6.5	3.8	295	<50	223
	991.73	13 Sep 04	NM	NA	NA	NA	NA	5.6	<2.0	8.1	14.7	28.4	<2.0	<3.0	1,500	549	772
		22 Feb 05	18.20	NA	NA	NA	973.53	4.8	3.0	36.5	39.6	83.9	<2.0	6.8	321	138	366
		09 May 06	18.26	NA	NA	NA	973.47	<2.0	<2.0	2.0	4.7	6.7	<2.0	<3.0	<50	<50	50.6
		20 Sep 06	19.33	N	NA	NA	972.40	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	GES-311	24 Feb 04	20.63	NA	NA	NA	969.52	<2.0	<2.0	<2.0	<4.0	ND	9.7	<3.0	<50	<50	<50
	990.15	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	4.9	<3.0	<50	<50	<50
		21 Feb 05	17.95	NA	NA	NA	972.20	<2.0	<2.0	<2.0	<4.0	ND	3.2	<3.0	<50	<50	<50
	GES-312	24 Feb 04	20.58	NA	NA	NA	968.90	74.4	<2.0	<2.0	25.4	99.8	65.8	4.7	530	<50	126
	989.48	13 Sep 04	NM	NA	NA	NA	NA	3.5	<2.0	<2.0	<4.0	3.5	2.0	<3.0	<50	<50	<50
		21 Feb 05	17.80	NA	NA	NA	971.68	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
†	GES-314	24 Feb 04	19.01	NA	NA	NA	970.11	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	989.12																
†	GES-315	24 Feb 04	13.12	NA	NA	NA	977.25	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	990.37	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		22 Feb 05	11.83	NA	NA	NA	978.54	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
†	GES-316	25 Feb 04	25.03	NA	NA	NA	964.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	989.24																
†	GES-317	27 Feb 04	15.98	NA	NA	NA	974.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	990.69																
†	GES-318D	26 Feb 04	17.73	NA	NA	NA	975.13	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	992.86																

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

	Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
								Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
		Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		MCP Method 1 GW-2 Standard:						2,000	6,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
		MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
†	GES-318S	26 Feb 04	19.42	NA	NA	NA	973.29	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	992.71	14 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	3.2	3.2	<2.0	<3.0	295	<50	<50
		23 Feb 05	12.87	NA	NA	NA	979.84	3	516	205	**5,500**	6,223.6	<2.0	135	762	**1,980**	3,010
		10 May 06	18.37	NA	NA	NA	974.34	<2.0	<2.0	<2.0	2.2	2.2	<2.0	<3.0	<50	<50	<50
		10 May 06 Dup	18.37	NA	NA	NA	974.34	<2.0	<2.0	<2.0	2.1	2.1	<2.0	<3.0	<50	<50	<50
		21 Sep 06	19.69	NA	NA	NA	973.02	179	199	1,560	**6,163.0**	8,101.0	<2.0	632	**7,500**	**5,050**	**7,100**
	GES-319D	26 Feb 04	19.76	NA	NA	NA	972.55	<2.0	3.9	<2.0	<4.0	3.9	<2.0	<3.0	<50	<50	<50
	992.31	10 Aug 05	16.58	NA	NA	NA	975.73	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	GES-319S	26 Feb 04	27.25	NA	NA	NA	965.07	<2.0	5.2	<2.0	<4.0	5.2	<2.0	<3.0	<50	<50	<50
	992.32	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		22 Feb 05	14.69	NA	NA	NA	977.63	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		10 Aug 05	16.57	NA	NA	NA	975.75	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	68.3	197	114
†	GES-320D	26 Feb 04	17.28	NA	NA	NA	975.88	<2.0	24.5	<2.0	3.2	27.7	<2.0	<3.0	<50	<50	<50
	993.16	10 Aug 05	17.81	NA	NA	NA	975.35	<2.0	4.5	<2.0	4.3	8.8	<2.0	<3.0	<50	<50	<50
†	GES-320S	26 Feb 04	32.31	NA	NA	NA	960.80	<2.0	2.2	<2.0	2.3	4.5	<2.0	<3.0	<50	<50	<50
	993.11	13 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		23 Feb 05	17.97	NA	NA	NA	975.14	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		10 Aug 05	18.23	NA	NA	NA	974.88	<2.0	<2.0	<2.0	2.6	2.6	<2.0	<3.0	<50	<50	<50
†	GES-321D	27 Feb 04	12.14	NA	NA	NA	976.30	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	988.44																
†	GES-321S	27 Feb 04	20.18	NA	NA	NA	968.02	<2.0	4.2	2.9	14.4	21.5	<2.0	<3.0	<50	<50	<50
	988.20	14 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	2.7	2.7	<2.0	<3.0	231	<50	<50
	GES-322D	27 Feb 04	10.10	NA	NA	NA	976.09	<2.0	3.1	<2.0	<4.0	3.1	<2.0	<3.0	<50	<50	<50
	986.19	10 Aug 05	10.60	NA	NA	NA	975.59	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
	GES-322S	27 Feb 04	19.74	NA	NA	NA	966.62	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
	986.36	14 Sep 04	NM	NA	NA	NA	NA	<2.0	<2.0	<2.0	6.0	6.0	<2.0	<3.0	420	66	<50
		21 Feb 05	19.97	NA	NA	NA	966.39	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		10 Aug 05	20.93	NA	NA	NA	965.43	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
†	EXP-2	27 Feb 04	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	993.25																
	EXP-4	26 Feb 04	13.91	NA	NA	NA	978.87	<2.0	<2.0	<2.0	2.8	2.8	<2.0	<3.0	<50	<50	<50
	992.78																
	EXP-6	01 Dec 03	18.37	NA	NA	NA	974.04	6.3	15.1	39.8	**653**	714.2	<2.0	116	935	<50	1,390
	992.41	09 May 06	17.79	NA	NA	NA	974.62	5.4	5.4	220	435	665.8	<2.0	111	1,940	244	1,330
		20 Sep 06	19.40	NA	NA	NA	973.01	3.8	7.7	121	348	480.5	<2.0	71	**13,220**	388	822
	EXP-7	01 Dec 03	19.10	NA	NA	NA	NA	247	118	237	**930.8**	1,532.8	<2.0	79.1	2,560	<50	1,850
	992.30	27 Feb 04	21.84	NA	NA	NA	970.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		14 Sep 04	NM	NA	NA	NA	NA	14.8	2.7	31	100.4	148.9	<2.0	11.9	968	429	418
		22 Feb 05	13.09	NA	NA	NA	980.11	19.8	10.8	15.0	49.3	94.9	<2.0	<3.0	116	<50	<50
		10 Aug 05	18.75	NA	NA	NA	973.55	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
		09 May 06	19.20	NA	NA	NA	973.10	50.0	39.2	192	419	700.2	<2.0	33.0	744	116	558
		20 Sep 06	19.86	NA	NA	NA	972.44	64.4	4.8	44	256	369.6	<2.0	28.7	805	231	521
	EXP-9	01 Dec 03	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	993.20	27 Feb 04	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

	Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
								Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Units		feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:							2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard:							10,000	4,000	4,000	500		50,000	20,000	4,000	20,000	4,000
	EXP-10	10 May 06	17.03	17.02	0.01	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	EXP-10R	03 Dec 03	19.96	19.84	0.12	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	990.11	27 Feb 04	20.35	NA	NA	NA	969.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		21 Feb 05	17.85	17.86	0.01	NA	972.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10 May 06	17.79	17.31	0.48	NA	972.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
†	**EXP-11R**	03 Dec 03	18.70	NA	NA	NA	NA	135	589	290	**1,811**	2,825	13.8	243	**2,090**	<50	3,070
		24 Feb 04	20.65	NA	NA	NA	969.61	234	25.9	567	**1,423**	2,249.9	23.2	418	**5,360**	<50	**4,670**
		12 Mar 04	15.20	NA	NA	NA	975.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	990.26	11 Aug 05	13.72	NA	NA	NA	976.54	20	255	211	1,039	1,525	<2.0	125	770	<50	1,560
		10 May 06	17.82	NA	NA	NA	972.44	128	109	939	**1,786.9**	2,962.9	<2.0	340	**4,560**	343	3,570
		20 Sep 06	18.53	NA	NA	NA	971.73	361	361	713	**1,376.0**	2,811.0	<2.0	297	**6,230**	**1,800**	**2,460**
†	**EXP-12**	03 Dec 03	18.08	NA	NA	NA	NA	132	342	248	**1,517**	2,239	8.9	259	**3,030**	<50	3,800
	990.14	24 Feb 04	21.25	NA	NA	NA	968.89	134	61.1	360	**640.5**	1,195.6	16.5	365	**5,610**	<50	2,600
	990.08	12 Mar 04	15.60	NA	NA	NA	974.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		10 May 06	16.34	NA	NA	NA	973.74	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		20 Sep 06	17.33	NA	NA	NA	972.75	<2.0	94.4	153	**1,124.0**	1,371.4	<2.0	44	**2,550**	828	1,500
†	**EXP-13**	03 Dec 03	19.68	19.17	0.51	NA	971.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	990.37	12 Mar 04	22.00	21.00	1.00	NA	969.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		10 May 06	18.85	18.48	0.37	NA	971.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
†	**EXP-13R**	03 Dec 03	18.80	18.77	0.03	NA	971.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	990.42	12 Mar 04	14.40	NA	NA	NA	976.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	EXP-16	03 Dec 03	20.78	NA	NA	NA	NA	63.1	49.1	5.6	224.1	341.9	<2.0	40.3	2,960	<50	2,940
	990.42																
	EXP-17	05 Dec 03	21.20	NA	NA	NA	NA	857	**13,100**	**5,050**	**26,570**	45,577	126	3,130	**73,200**	4,690	**43,600**
	990.39	26 Feb 04	21.11	NA	NA	NA	969.28	<2.0	<2.0	<2.0	<4.0	ND	<2.0	<3.0	<50	<50	<50
		12 Mar 04	20.80	NA	NA	NA	969.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		11 Aug 05	16.90	NA	NA	NA	973.49	326	61.8	234	316.4	938.2	<2.0	54	1,120	<50	544
		10 May 06	18.47	NA	NA	NA	971.92	243	62.1	178	161.7	644.8	<2.0	49.5	1,710	72.1	414
		21 Sep 06	16.02	NA	NA	NA	974.37	134	53.1	149	64.1	400.2	<2.0	21.6	1,190	145.0	177
	EXP-18	03 Dec 03	20.15	20.02	0.13	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	988.87	26 Feb 04	22.05	NA	NA	NA	966.82	<2.0	96.5	6.7	**2,779**	2,882.2	<2.0	319	**7,330**	<50	**16,300**
		12 Mar 04	22.69	NA	NA	NA	966.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		14 Sep 04	NM	NA	NA	NA	NA	<2.0	589.0	267.0	**2,386**	3,242.0	201	200	**39,600**	**24,700**	**5,780**
		09 Aug 05	DRY	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		10 May 06	18.77	NA	NA	NA	970.10	14.6	87.9	24.0	**1,891**	2,017.5	<2.0	84.4	3,210	73.5	3,810
		21 Sep 06	19.23	NA	NA	NA	969.64	13.9	40.1	16.0	**581**	651.0	<2.0	44.4	2,550	828.0	1,500
	EXP-20	26 Feb 04	20.15	NA	NA	NA	966.09	21.1	4.6	6.9	34.8	67.4	3.5	3.4	243	<50	65.3
	986.24	12 Mar 04	20.95	NA	NA	NA	965.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		10 Aug 05	22.87	NA	NA	NA	963.78	9.5	<2.0	<2.0	<2.0	ND	12.6	<3.0	<50	<50	<50

TABLE 2-7
HISTORICAL GROUNDWATER MONITORING DATA
VOLATILE PETROLEUM HYDROCARBONS
Former Mobil Service Station No. 01-ECQ
83-89 Elm Street
Pittsfield, Massachusetts

Well ID/MP El (feet)	Date of Sampling	Depth to Water (feet)	Depth to Product (feet)	NAPL Thickness (feet)	NAPL Recovered (gallons)	Groundwater Elevation (feet)	VPH Target Analytes							VPH Fractions		
							Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	C5-C8 Aliphatics	C9-C12 Aliphatic	C9-C10 Aromatics
	Units	feet	feet	feet	gallons	feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	MCP Method 1 GW-2 Standard:						2,000	8,000	30,000	9,000		50,000	1,000	1,000	1,000	5,000
	MCP Method 1 GW-3 Standard:						10,000	4,000	4,000	500		50,000	20,000†	4,000	20,000	4,000
EXP-21	27 Feb 04	NA**	20.12	>2.59	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
986.85	12 Mar 04	NA**	21.00	>1.2	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10 Aug 05	20.40	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<3.0	<50	<50	<50
EXP-22	05 Dec 03	18.80	NA	NA	NA	969.43	284	1,720	368	**3,629**	6,001	41	170	**9,800**	1,200	2,470
988.23	26 Feb 04	20.62	NA	NA	NA	967.61	30.7	152	64.9	**857**	1,104.6	<2.0	52.0	1,450	<50	1,170
	12 Mar 04	20.66	NA	NA	NA	967.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11 Aug 05	17.80	NA	NA	NA	967.61	2.3	2.4	4.3	100.8	109.8	8.0	13.2	739	167	420
	10 May 06	17.00	NA	NA	NA	971.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
BTEX = benzene, toluene, ethylbenzene, and xylenes
MTBE = methyl tert-butyl ether
NA = not applicable
"<" = less than the laboratory reporting limit
ND = not detected
NS = not sampled, analyzed and/or measured
VPH = volatile petroleum hydrocarbons (analyzed according to Massachusetts Department of Environmental Protection VPH Methodology)
MCP = Massachusetts Contingency Plan 310 CMR 40.0000
† MCP Method 1 Groundwater Standard "GW-3" is applicable to all wells; however, "GW-2" is also applicable to this well
Bolded values represent concentrations that exceed applicable groundwater standard
*Well was thought to have been destroyed, but was found and saved during 9/01 trenching activities
**Well was blocked therefore depth to groundwater could not be determined
NAPL = non aqueous-phase liquid
NAPL recovered = non aqueous-phase liquid recovered during bailing

ARCADIS BBL

Appendix G

Outline of Monitoring Event Evaluation Report

Appendix G – Outline of Monitoring Event Evaluation Report

1. Introduction

- 1.1 General
- 1.2 Background Information
- 1.3 Format of Document

2. Field and Analytical Procedures

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- 2.2 Groundwater Elevation Monitoring
- 2.3 Groundwater Sampling and Analysis

3. Groundwater Analytical Results

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- 3.2 Groundwater Quality Performance Standards
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- 3.4 Groundwater Quality
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4. Assessment of Groundwater Quality

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