Combined December 2014 Semiannual Groundwater Sampling and 2014 Quarterly P-8 Supplemental Remedial Action Performance Monitoring Report

Former General Instrument Corporation

Sherburne, New York (#709010)

July 30, 2015

Combined December 2014 Semiannual Groundwater Sampling and 2014 Quarterly P-8 Supplemental Remedial Action Performance Monitoring Report

Former General Instrument Corporation
Sherburne, New York (#709010)

July 30, 2015,

Client

Laddy, Clark & Ryan LLP

Consultant

WSP USA Corp.
5 Sullivan Street
Cazenovia, NY 13035
Tel: 315-655-3900
Fax: 315-655-3907

WSP Contacts

James A. Sobieraj, P.E.
James.Sobieraj@wspgroup.com

David P. Bouchard, Senior Project Director
David.Bouchard@wspgroup.com

Erik S. Reinert, Technical Manager
Erik.Reinert@wspgroup.com

Table of Contents

Figures

Tables

Appendices

1 Introduction

WSP, on behalf of the corporate successor of General Instrument, Vishay GSI, Inc. (VGSI), has prepared this combined report detailing the results of concurrent semiannual and quarterly groundwater performance monitoring programs for the former General Instrument Corporation (GIC) site in Sherburne, New York. The semiannual groundwater sampling was conducted to assess the performance of an *in situ* permeable reactive barrier (PRB). The PRB, installed on the adjacent property in 1997, was intended to treat CVOCs in the groundwater migrating westward from the site. The sampling was performed in accordance with the Order on Consent (#A701578810), signed by General Instrument on August 1, 1989, and the Record of Decision (ROD), issued for the site in December 1994.

This report also includes the results of quarterly performance monitoring designed to demonstrate the efficacy of the P-8 supplemental remedial action, which was performed as a follow-up to an earlier (2009) phase of remedial work to address recalcitrant chlorinated volatile organic compounds (CVOCs) in groundwater. The initial phase of the P-8 remedy, which included baseline groundwater sampling and injections of a zero-valent iron (ZVI)-based amendment fluid, is detailed in the *Combined P-8 Supplemental Remedial Action Report and May 2014 Semiannual Groundwater Sampling Report*, dated April 22, 2015 (WSP 2015).

1.1 Report Organization

This report is organized into seven sections, including this introduction:

- Section 2 describes the site location and setting, the operational history, and provides background on the previous investigation and remedial measures implemented at the site.
- Section 3 summarizes the semiannual groundwater sampling activities and results.
- Section 4 outlines the scope of work and results for the P-8 performance monitoring activities.
- Section 5 presents the conclusions and recommendations for modification to the sampling program.
- Section 6 provides a list of the acronyms used in the report.
- Section 7 lists references cited in the report.

2 Background

The former GIC site is located at 1 Kenyon Press Drive in Sherburne, Chenango County, New York (Figure 1). Originally developed in 1947 for the Technical Appliance Corporation of America, the 5.5 acre site was purchased by Jerrold Electronic Corporation in 1962 and by General Instrument Corporation in 1969. General Instrument used the facility to produce aluminum television antennas, antenna controllers, and other small electronics from 1969 until manufacturing operations ceased in 1983. The facility was decommissioned and subsequently sold in 1989. The site is currently owned and occupied by Kenyon Press Inc., a commercial printer.

The major features of the site include a 75,000-square-foot main building formerly used for manufacturing, warehousing, and administration, and a 4,900-square-foot plating building formerly used for plating, etching, and vapor degreasing (Sheet 1). The site also includes two other buildings, a 1,600-square-foot garage near the southeast corner of the main building that was formerly used as a maintenance shop, and a 2,800-square-foot wooden shed near the western property line that was formerly used to store machinery and materials.

The site is surrounded by a bulk petroleum storage facility and Quickway gasoline station to the north; light commercial property to the east and south; the New York, Susquehanna & Western (NYS&W) Railroad to the west; and further to the west by agricultural fields (Sheet 1). VGSI currently leases a portion of the agricultural fields west of the site to allow access for investigation and remedial activities.

2.1 Previous Investigation and Remediation

In 1983, General Instrument implemented a plan to close their manufacturing facilities at the Sherburne plant. An investigation conducted as part of the closure activities revealed a variety of organic and inorganic compounds in the soil surrounding the facility. In response, General Instrument excavated and removed the contaminated onsite soils and, in 1985, initiated a groundwater investigation that included the installation of nine groundwater monitoring wells and six piezometers. The results of the investigation indicated the presence of trichloroethene (TCE), tetrachloroethene (PCE), and several other CVOCs in the groundwater along the western (downgradient) edge of the property.

The site was classified by the New York State Department of Environmental Conservation (NYSDEC) as a Class 2 inactive hazardous waste site in 1987 and General Instrument entered into a consent agreement in 1989 to perform a remedial investigation/feasibility study (RI/FS). The RI/FS, was conducted by Stearns and Wheler, LLC (S&W), of Cazenovia, New York, and was completed in 1993. S&W identified CVOCs in the soil beneath the plating building; free-phase petroleum product (fuel oil) floating on the groundwater near the northwest loading dock; and a CVOC-affected groundwater plume in the uppermost water-bearing unit extending west beneath a portion of the adjacent property.

A ROD was issued by the NYSDEC in December 1994, approving remedies S&W developed as part of a remedial design and remedial action plan, to address the issues identified in the RI/FS. The plan included the installation of an *in situ* soil vapor extraction (SVE) system to treat the unsaturated soil beneath the plating building and a groundwater recovery and treatment system to address the free-phase petroleum. Both systems were installed, operated, and eventually decommissioned in the mid to late 1990s by S&W after the NYSDEC agreed that their respective cleanup targets had been achieved.

The remedial action developed by S&W for the dissolved CVOC groundwater plume was a passive *in situ* PRB, which was designed to reductively dechlorinate the affected groundwater. In 1997, based on their interpretation of a funnel-and-gate pilot test, S&W installed a full-scale, zero-valent granular iron PRB consisting of two parallel walls oriented roughly north-south and perpendicular to their interpretation of regional groundwater flow (Sheet 1). The longer of the two walls is approximately 410 feet long by 1-foot-wide and was designed to cover the entire breadth of the CVOC-affected groundwater plume. A second, smaller (120-foot-long) wall was installed approximately 30 feet east of the main wall section to provide additional groundwater treatment where the highest CVOC concentrations were expected (i.e., along the core of the affected groundwater plume). Both walls are comprised of granular iron extending through the uppermost water-bearing unit from about 3 feet below ground surface (bgs) to approximately 21 feet bgs where they are keyed into a clay unit that underlies the aquifer. S&W installed a network of groundwater wells in and around the PRB and monitored the performance of the PRB on a quarterly basis for a period of approximately two years after the installation, and twice a year thereafter. WSP continues to conduct this sampling event semiannually, the results of which are discussed in Section 3.

2.1.1 Additional Investigation

In 2001, the NYSDEC expressed concerns regarding the performance of the PRB, including apparent shifts in the groundwater flow directions and changes in the CVOC distribution. To address these concerns, WSP completed a technical review and developed a conceptual site model using historical groundwater data (ESC Engineering, 2004a and 2004b). The results indicated a slight groundwater mound located east (upgradient) of the barrier, which appeared to be diverting a portion of the groundwater plume around the ends of the PRB along two flow lines. Samples from additional wells installed by WSP in 2005 (MW-31 through MW-39) indicated some systematic decrease of CVOC concentrations along northern and southern flow lines around both ends of the barrier, though the concentrations near the ends and further downgradient of the barrier were one to two orders of magnitude below those in samples from the area around P-8 and MW-17, where the highest concentrations of CVOCs were consistently detected (ESC Engineering, 2006). The data suggested that, while the PRB was not performing exactly as designed, the bulk of the untreated CVOCs had not flowed around the ends of the barrier and instead remained upgradient of the treatment system.

In 2008, WSP conducted pre-design investigations at the site to refine the extent of the CVOCs and evaluate potential remedial alternatives for the CVOC-affected groundwater bypassing the PRB. The results revealed that the relatively high concentrations of CVOCs at MW-17 and P-8 were limited in extent and indicated that no significant concentrations of CVOCs were present in the former source area on the main site (WSP Engineering of New York, 2009a). The CVOCs that were detected in and around MW-17 and P-8 were dominated by dechlorination breakdown products, such as 1,2-dichloroethene (1,2-DCE) and vinyl chloride. Analysis of the carbon stable isotope ratios in the CVOCs further indicated that the compounds had biodegraded from TCE. Concurrent biological census data and geochemical data suggested that the natural reduction-oxidation (redox) conditions and microbial population could be sufficiently enhanced through the addition of an electron donor to stimulate reductive dechlorination.

2.1.2 Supplemental Remediation

In October 2009, WSP implemented the supplemental remedial action plan (SRAP), designed to augment the PRB's treatment of the CVOC-affected groundwater that remained upgradient of the barrier (WSP Engineering of New York, 2009b). The bioremediation amendment 3-D MicroEmulsion® (3DMe) was injected into the subsurface to adjust the redox conditions and spur microbial growth within the saturated zone through the introduction of an electron donor source. The 3DMe amendment was selected for its specific low-viscosity design, which allows treatment below surface barriers such as the NYS&W Railroad at the site.

Two supplemental treatment areas, northern and southern, were identified based on the pre-design investigation data. The northern treatment area, centered on monitoring wells MW-17 and P-8, was created using 108 injection points in a 10-foot by 10-foot grid covering approximately 11,800 square feet (ft^2) near the northern terminus of the PRB (Sheet 1). The southern treatment area was created with 30 injection points (covering approximately 3,000 ft^2) positioned around wells MW-22, MW-31, and MW-32 in a pattern parallel to the southern flow line. Approximately 25,000 gallons (about 170 gallons per injection point) of the 3DMe reagent were injected into the subsurface using temporary direct-push injectors. Performance monitoring activities were conducted for two years after the October 2009 implementation of the SRAP to demonstrate the effectiveness of the injection program.

In May 2012, WSP completed a review of the SRAP performance monitoring data to assess whether the treatment goals had been met. As detailed in the *Combined October and December 2011 Semiannual Groundwater Sampling and Supplemental Remedial Action Review Report* (SRAP Review), dated May 2, 2012, total CVOC concentrations in the northern treatment zone and areas directly downgradient had been reduced to trace concentrations and significant reductions had occurred in the southern treatment zone (WSP Engineering of New York, 2012a). Bio-assays and monitored natural attenuation (MNA) samples collected over the last two quarters of 2011 showed that the microbe populations had stabilized and that the redox and other conditions remained sufficient to drive ongoing enhanced reductive dechlorination. WSP concluded that, with one notable exception, the SRAP had achieved its goals.

The exception was monitoring well P-8, the samples from which did not exhibit the same level of CVOC mass reduction observed in samples from other northern treatment area wells. The parent compound, TCE (8.3 to 386 micrograms per liter [µg/l]), for example, although variable, was consistently detected in post-SRAP performance monitoring samples at concentrations above the evaluation criteria (Table 6). Likewise, *cis*-1,2-DCE (75 to 1,430 µg/l) was detected at persistent concentrations above the evaluation criteria throughout the same period. Moreover, the isotopic analyses of the both compounds did not reveal fractionation trends similar to those in the surrounding treatment zone. These data indicated that the SRAP treatment did not have the intended effect in the area around the well.

WSP suspected that the recalcitrant CVOCs were related to lithologic differences near well P-8 and the hydraulic variations at the site. Comparatively fine-grained soils (e.g., silt and silty clay; the surrounding area is silty sand and gravel) were encountered near the water table interface when the well was installed. These finer soils contained relatively high concentrations of adsorbed CVOCs from contact with affected groundwater earlier in the history of the plume before the dissolved CVOCs decreased to their current levels. WSP had also observed a correlation between the CVOC concentrations and the seasonal rise and fall of the water table in the post-SRAP performance monitoring data and, after further investigation, in the historical PRB groundwater monitoring results. Increased concentrations of CVOCs were detected in the P-8 samples after these soils were wetted by the rising water table.

WSP hypothesized that the adsorbed CVOCs were being mobilized via contact with the now lower concentration groundwater (via a concentration gradient – also known as back diffusion) resulting in a persistent influx of CVOCs to the groundwater. WSP also theorized that the lower permeability of the soil surrounding the well had limited the distribution and effectiveness of the SRAP injections.

2.1.3 P-8 Supplemental Remedial Action Pre-Design

In November 2012, WSP conducted a membrane interface probe (MIP) investigation to delineate the extent of CVOC-affected media around P-8. The MIP was selected for its capability of providing a continuous, real-time assessment of the relative level of chlorinated compounds in both saturated and unsaturated soils. The work, which was conducted in accordance with WSP's *Pre-Design Work Plan*, dated September 11, 2012, included the installation of 14 MIP borings, designated MP-1 through MP-14, in a loose grid around the well (Sheet 2). Additional borings were installed, as necessary (using the real-time data as a guide to steer the investigation), until the extent of CVOCs in both soil and groundwater were fully defined.

The results of the investigations not only revealed elevated MIP responses indicating an area of affected media near well P-8, but outlined a zone of coincident heterogeneous soil. The affected area, as defined by the elevated MIP responses in borings MP-7, MP-9, MP-4 and MP-10, all contained a significantly higher fraction of fines (e.g., organic silts and clays) in the upper few feet of the soil profile as compared to the surrounding area (Sheet 2). Moreover, the highest concentrations of CVOCs were detected within these soils and, when compared to the groundwater monitoring data, appeared to be directly related with the fluctuations in the water table. The results from MIP boring MP-7, for example, showed elevated MIP responses corresponding to a stratigraphic sequence of silt and organic-rich clay in the shallow portion of the soil profile (straddling the water table surface) with the peak MIP responses correlated to the 8-year average groundwater elevation and the historical high stands (based on the PRB and post SRAP monitoring data for the site). The MIP responses decreased as the sediments coarsened to silty and sandy gravel with depth. Similar responses were noted in the other MIP borings outlining the heterogeneity. These data indicated that the recalcitrant CVOCs observed in the samples from P-8 were related to the interaction between the water table and the heterogeneous soils within the smear zone of the affected area.

The findings of the investigation were presented, along with WSP's proposal for a focused, supplemental remedial action to address the recalcitrant CVOCs, in the *Combined Pre-Design Investigation Report and P-8 Area Supplemental Remediation Work Plan* (P-8 Work Plan), dated January 9, 2014. The NYSDEC approved the scope of work in a letter dated, January 29, 2014, and WSP conducted the supplemental remedial action in May 2014. The scope of work and the results of the initial round of pre-injection baseline groundwater sampling are presented below.

2.1.4 P-8 Supplemental Remedial Action

WSP implemented the approved P-8 supplemental remedial action between May 27 and 31, 2014. The action included a focused injection program in and around the soil heterogeneity where the elevated CVOC concentrations were detected during the MIP investigation, and pre and post-treatment performance monitoring of the groundwater within the injection zone to demonstrate the efficacy of the remedy (the post-treatment results will be presented in the next report). To maximize efficient delivery of amendment, WSP established a closely-spaced injection grid pattern and used SRS-Z®, a commercial formulation variant of the National Aeronautical and Space Administration's patented EZVI® amendment, manufactured by Terrasystems, Inc., of Claremont, Delaware. The amendment fluid contains two remedial technologies proven to be effective at the former GIC site: zero-valent iron (ZVI) and a fermentable carbon food source to enhance anaerobic bioremediation. The SRS-Z® amendment is specifically designed for greater penetration into low-permeability soils than typical grout-style ZVI amendments. In addition, the emulsified ZVI, once injected, is relatively immobile within the subsurface. The iron can remain reactive, depending on the specific conditions, for three to five years allowing continued treatment of the CVOCs, as they diffuse from less permeable locations within the soil matrix.

The treatment zone consisted of 25 injection points within an area of approximately 1,225 square feet (ft^2), which encompassed the areal extent of the highest CVOC concentrations in groundwater and the interpreted soil heterogeneity delineated during the pre-design investigation (Sheet 2). The injection points designated IN-139 through IN-163, were spaced approximately 7 feet apart within the grid. The amendment was introduced from the top of the anticipated water table during seasonal high stands (approximately 1,046 feet amsl [3 to 5 feet bgs]) to the base of the upper water-bearing zone at approximately 1,029 feet amsl (17 to 19 feet bgs). The treatment was timed to coincide with the relatively high groundwater elevations in the spring to maximize distribution of the amendment. Approximately 1,500 gallons (approximately 60 gallons per point) of pre-mixed SRS-Z® amendment was delivered to the treatment area using temporary injectors. The SRS-Z® application was immediately followed with an application of sodium bicarbonate-amended potable water (i.e., chase water) to maximize delivery efficiency throughout the treatment zone. Approximately 1,536 gallons of sodium bicarbonate buffer solution containing 650 pounds of total sodium bicarbonate was injected immediately after the SRS-Z® application.

3 PRB Performance Monitoring

WSP performed the semiannual PRB monitoring on December 22 and 23, 2014. The semiannual PRB monitoring activities included gauging and sampling all but 1 of the 19 wells within the PRB monitoring well network (i.e., MW-2, MW-8, MW-17, MW-18, MW-20 through MW-27, MW-29, MW-30, P-3, P-8, P-10, and P-11) and 8 of the 9 wells installed during site investigations in 2005 (i.e., MW-31 through MW-38) for analysis of VOCs. Monitoring wells MW-28 and MW-39 are damaged and were not sampled.

All of the work at the site was performed in accordance with WSP's standard operating procedures (SOPs), which are presented in Appendix A. The methods for each activity are presented below and the results are summarized in Tables 1 through 4. For comparison, Tables 2 and 4 include elevation data and analytical results from the previous groundwater monitoring events.

3.1 Groundwater Elevation Measurements

Groundwater elevations were collected on December 23, 2014. Each well was uncapped and allowed to stand undisturbed (for equilibration with the atmosphere) for a minimum of 15 minutes before gauging. The measurements were made to the nearest 0.01-foot using an electronic interface meter, and the results were recorded in the field notebook. Groundwater elevations are presented in Table 1. Historical groundwater elevations dating back to 2004 are included in Table 2 for comparison.

3.2 Groundwater Elevation Results

The December 2014 groundwater elevations ranged from 1,043.78 feet above mean sea level (amsl) at well MW-36 to 1,045.59 feet amsl at well MW-14 (Sheet 3; Table 1)[1,2]. These levels were 0.32 to 1.31 feet higher than the elevations recorded during the previous gauging event in May 2014, and between 0.78 and 2.26 feet lower than the elevations recorded during the previous winter sampling event in December 2013 (Table 2). The groundwater elevations during the December 2014 sampling event were approximately 0.5 foot higher than the 10-year historical averages across the site. These data are generally consistent with the previous findings at the site, which show seasonal fluctuations of several feet.

The previously-described groundwater mound centered between wells MW-29 and MW-30 upgradient of the barrier persists with roughly the same shape as observed in earlier sampling events (Sheet 3). A portion of the groundwater flow, based on the contours, continues to be diverted along both flanks of the mound parallel to the barrier towards the ends of the wall, particularly to the north of the PRB. Groundwater elevations in all of the wells adjacent to the PRB were lower than the top of the wall, which has an elevation of approximately 1,045 feet amsl (Table 1). The result is a relatively steep local gradient across the barrier relative to the site-wide groundwater elevation gradient with a depression in the flow field of approximately 0.4-foot immediately downgradient of the PRB. For example, the gradient between well pairs MW-23 and MW-29, MW-24 and MW-30, and P-10 and P-11, which straddle the PRB, were 0.012, 0.058, and 0.007, respectively, whereas the site-wide gradient, as measured between P-8 and MW-21, was up to an order of magnitude lower at 0.0031. These gradients are close to the historical averages for the site.

In addition to the groundwater elevations collected in December 2014, WSP also observed a sheen of fuel oil in well MW-18, which is located near the northwest corner of the main building (Sheet 1). Well MW-18 was formerly an extraction well used in the onsite fuel oil recovery system and was later converted to a groundwater monitoring

[1] Depth to water measurements were not collected at monitoring well MW-39. Flooding during the second half of 2011 damaged the steel protective and internal well casings at ground level.

[2] Depth to water could not be measured at well P-8 due to interference from SRS-Z® amendment fluid, which was present in the well casing. Consequently, well P-8 was omitted from the groundwater contouring analysis presented in Sheet 3.

well for inclusion in the PRB monitoring network. WSP has observed a similar visible sheen during previous sampling events. No measurable product or petroleum sheen was observed in any of the other wells gauged at the site.

3.3 Water Quality

WSP collected groundwater quality samples from the PRB monitoring network and the additional wells using ALS Environmental's 24-inch long, 1.25-inch diameter, heat-sealed, low density polyethylene (LDPE) passive diffusion bag (PDB) samplers in accordance with WSP's SOP 11 (Appendix A). Each sampler was shipped by ALS pre-filled with 220 milliliters (ml) of laboratory-grade analyte-free, de-ionized water. The PDBs were deployed and collected in accordance with the methods outlined in a letter to the NYSDEC from WSP, dated November 16, 2006, and in *the User's Guide for Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells* (Vroblesky 2001).

WSP installed the samplers in the PRB monitoring wells and the additional wells (excluding MW-14 and damaged well MW-39) in May 2014, in preparation for the December 2014 sampling event, except at MW-17 and P-8, which were sampled In September 2014, as well (see discussion of quarterly performance monitoring in Section 4 below). The PDBs were suspended in each well from dedicated Teflon®-coated steel suspension lines fitted with stainless-steel weights. The suspension lines were secured to the well casings with each sampler centered at the midpoint of the screened interval. The sampling units were allowed to equilibrate with the surrounding formation water for the entire six-month-long reporting period before the samples were collected. Upon retrieval, each bag was sliced open at one end using decontaminated field scissors, and the contents were poured into the appropriate laboratory-supplied, pre-cleaned sample vials.

Two blind duplicate samples were collected, in accordance with WSP's SOP #4 (Appendix A): MW-1214A (i.e., blind duplicate of MW-18) and MW-1214B (i.e., blind duplicate of MW-37). In addition, two sets of matrix-spike/matrix-spike duplicate samples were collected during the sampling event for quality assurance/quality control (QA/QC) purposes. The 220 ml of de-ionized water in the pre-filled PDBs is sufficient to fill three containers required by the laboratory for the sample analysis, plus two additional to provide for the QA/QC samples.

The recovered samples were labeled, packed on ice, and shipped by overnight carrier to Accutest Laboratories in Marlborough, Massachusetts, for analysis of VOCs by U.S. Environmental Protection Agency (EPA) Method 8260B. All samples were maintained and shipped in accordance with WSP's SOP #3 (Appendix A). Laboratory results for the VOC groundwater data are included in Appendix B. The data validation report is presented in Appendix C.

Investigation-derived wastes generated during the sampling activities (i.e., decontamination water, disposable gloves and LDPE membranes) were contained in Department of Transportation-approved 55-gallon steel drums. The drums were labeled and staged onsite for later disposal in accordance with state and federal regulations.

3.4 Analytical Results for Site-Related Compounds

The analytical results revealed three CVOCs, TCE (6.4 to 56 µg/l), *cis*-1,2-DCE (7.8 to 1,340 µg/l), and vinyl chloride (2.4 to 116 µg/l) at concentrations above the evaluation criteria[3] in samples from 10 of the wells within the monitoring network (Table 3). The highest concentrations of total CVOCs were detected in the samples collected from wells P-8 (1,516.6 µg/l) and MW-17 (360 µg/l), both of which are positioned along the northern flow line upgradient of the PRB in what was, prior to the SRAP treatment, the historical core of the plume (Sheets 3 and 4;

[3] New York State Ambient Water Quality Standards or Guidance for Class GA water provided in the New York State Department of Environmental Conservation Division of Water, Technical, and Operation Guidance Series (1.1.1), dated June 1998, and in the April 2000 Addendum.

Table 5). The sample collected from well MW-17 contained the highest concentrations of CVOCs detected at this location since the SRAP was implemented. The concentrations of TCE (35.4 µg/l), *cis*-1,2-DCE (306 µg/l), and vinyl chloride (16.9 µg/l) are 1 to 2 orders of magnitude higher than the concentrations observed in the 4 years after the implementation of the SRAP and comparable to historical concentrations prior to the 3DME treatment (Tables 3 and 4). WSP believes the CVOCs were likely remobilized during the recent P-8 supplemental treatment. A more detailed discussion of the findings at wells MW-17 and P-8 are presented in Section 4.1.1 below.

Low concentrations of CVOCs continue to be detected in samples collected from wells further along the northern flow line (i.e., wells MW-34, MW-35, MW-36) with only one CVOC, TCE (6.4 µg/l), detected in well MW-20 at concentrations slightly above the ambient water quality standards (Sheet 4, Table 3). These findings are comparable with those of the SRAP review, which showed that the injections were not only effective within the treatment zone (with the exception of the local area around P-8), but at points downgradient of the PRB along the northern flow line.

Results from wells along the southern flow line are largely consistent with the previous findings. Samples from wells within (i.e., MW-22, MW-31, and MW-32) or adjacent (MW-33) to the southern treatment zone, for example, did not exhibit any TCE at concentrations above the evaluation criteria, but did contain the daughter products *cis*-1,2-DCE (7.4 to 56.8 µg/l) and vinyl chloride (2.9 µg/l) at concentrations above ambient water quality standards (Sheet 4; Table 3). These data are comparable to the trend of TCE destruction and the corresponding increase in daughter products attributed to the SRAP treatment. Likewise, samples collected farther downgradient along the southern flow line at MW-37 and MW-21,which were well outside the treatment area, exhibited the opposite distribution with the majority of the CVOC mass represented as TCE (18.8 to 37.1 µg/l) consistent with the pre- and post-SRAP treatment results (Table 4). These results confirm the previous assessment that the SRAP was moderately successful (as compared to the northern treatment area) at addressing the CVOC-affected groundwater within the treatment area, but had limited influence on areas further downgradient along the flow line.

Concentrations of total CVOCs in samples collected from wells located both directly upgradient and downgradient of the PRB (i.e., MW-23, MW-24, MW-26 through MW-29, and P-3, P-10, and P-11) were non-detect or had only trace concentrations of CVOCs below the evaluation criteria during the current reporting period (Sheet 4; Table 3). The only exception was the sample collected from P-11, which had a vinyl chloride concentration of 2.4 µg/l, comparable to historical results (Table 4). No CVOCs were detected in samples from wells MW-23, MW-26, MW-27, MW-29, and MW-30.

Samples from onsite (upgradient) wells MW-2, MW-8, and MW-18 contained primarily trace concentrations of CVOCs below the evaluation criteria in December 2014, with the except of TCE (6.8 µg/l), which was detected above the evaluation criterion in the sample collected from MW-2 (Sheet 4; Table 3). These results are consistent with previous sampling (Table 4).

3.5 Analytical Results for Petroleum-Related Compounds

One petroleum-related VOC (i.e., benzene), was detected marginally above the evaluation criterion (1 µg/l) in the sample collected from well MW-18 (1.3 µg/l / 1.4 µg/l in duplicate; Table 3). This compound has been historically detected in samples collected from this well (Table 4). WSP believes that the petroleum-related compounds historically detected in this well and others are residual concentrations associated with the historical fuel oil release at the site and do not represent a widespread area of petroleum-affected groundwater.

4 P-8 Supplemental Remedial Action Performance Monitoring

On September 30 and again on December 22, 2014, quarterly groundwater samples were collected from wells P-8 and MW-17 as part of the P-8 Supplemental Remedial Action performance monitoring. The samples were analyzed for VOCs, MNA parameters, compound-specific isotope analysis (CSIA) for carbon that comprises CVOCs of concern, and microbial content. The VOC samples for the September sampling event were collected using PDBs in accordance with the methods described in Section 3.3 above. The December VOCs were collected as part of the semiannual PRB monitoring and are used for both monitoring programs. The MNA, CSIA, and biological samples were collected using low flow sampling techniques in accordance with WSP's SOP 11 and the EPA's *Low Flow (Minimal Drawdown) Groundwater Sampling Procedures* (EPA 1996; Appendix A). All of the work was performed in accordance with the C*ombined Pre-Design Investigation Report and P-8 Area Supplemental Remediation Work Plan* (WSP 2014).

Each well was uncapped and allowed to stand for a minimum of 15 minutes (for equilibration) and then gauged using an electronic water-level indicator prior to retrieving the PDBs for collection of samples for VOC analysis. The wells were then purged and sampled using QED Environmental Systems MP15 MicroPurge® Controllers and CO_2-driven QED Sample Pro® bladder pumps equipped with dedicated polyethylene bladders and tubing. The bladder pumps were set at the midpoint of each well screen and purged at rates between 0.2 and 0.5 liters per minute. Temperature, pH, specific conductance, dissolved oxygen (DO), turbidity, oxidation-reduction potential (ORP), and drawdown were monitored every 5 minutes during the purge process using a flow-through cell and an electronic water-level indicator. See Appendix D for the low flow purge forms.

Water quality samples were collected directly from the pump discharge tubing after the field parameters stabilized (±10-percent for temperature, turbidity, DO, and ORP; ±0.1 unit for pH; ± 3-percent for specific conductance; and drawdown variance less than 0.3 foot) and the turbidity readings were less than 50 nephelometric turbidity units (NTUs). One blind duplicate sample was collected in September 2014, in accordance with WSP's SOP #4 (Appendix A): MW-170 (i.e., blind duplicate of MW-17). In addition, one set of matrix-spike/matrix-spike duplicate samples were collected during the first quarter of the reporting period. Quality assurance/quality control samples for the December sampling event were collected from other wells at the site as part of the semiannual sampling event.

The samples were labeled, packed on ice, and shipped by overnight carrier to the laboratory. The VOC samples were shipped to Accutest Laboratories in Marlborough, Massachusetts for analysis by EPA Method 8260B. MNA samples were shipped to Pace Analytical in Greensburg, Pennsylvania for analysis of ethene, ethane, and methane by Method AM20GAX; chloride and sulfate by EPA Method 9056, ferrous iron by EPA Method 7199 (modified), sulfide by EPA Method SM4500-S-F; dissolved organic carbon (DOC; field filtered with in-line 0.45 micron filter) by EPA Method number 9060; biological oxygen demand (BOD) by EPA Method 405.1; and the CSIA by method number AM-24-DL-C. The microbial samples were shipped to Microbial Insights in Knoxville, Tennessee, for assessment by quantitative polymerase chain reaction (qPCR) for the microbes *dehalobacter spp.* (DHB) and *Dehalococcoides spp.* (DHC); the dechlorination enzymes, tceA reductase, bvcA reductase, and vcrA reductase; iron and sulfate reducing bacteria, methanogens, and total eubacteria. All of the samples were handled and shipped in accordance with WSP's SOP 3 (Appendix A).

4.1 Quarterly VOC Sampling Results

The quarterly analytical VOC results show marked changes in the two wells used to monitor the P-8 supplemental treatment. In the September results, the concentrations of TCE (non-detect) and *cis*-1,2-DCE (72 µg/l) in the sample from well P-8 were not only lower than the concentrations detected in the pre-treatment baseline samples, they were lower than they had been during the 10-year sampling history of this well (Sheet 4; Tables 4 and 5). A corresponding two orders of magnitude increase in the vinyl chloride (114 µg/l - estimated) concentration (relative to baseline) was also noted in the sample. These data indicate that the SRS-Z® injections had the intended effect on the dissolved CVOC concentrations in the remediation area. The September sample from MW-17 indicated trace concentrations of CVOCs below the evaluation criteria, consistent with the previous PRB monitoring and baseline sampling results. Laboratory results for the VOC groundwater data are included in Appendix B. The data validation reports are presented in Appendix C.

The December 2014 data, in contrast, showed significant increases in the dissolved CVOC mass. The CVOCs TCE (35.4 to 55.8 µg/l), *cis*-1,2-DCE (306 to 1,340 µg/l), and vinyl chloride (16.9 to 116 µg/l) were detected in samples from both wells at concentrations above the evaluation criteria (Table 5, Sheet 4). The results from well P-8 were anticipated: the PRB monitoring data collected over the last 10 years have shown a clear relationship between the seasonal fluctuations in the water table and the periodic rise in CVOCs (due to remobilization of CVOCs present in the capillary fringe above the water table). The SRS-Z® amendment was specifically selected for its persistence and ability to address the CVOCs as they are re-introduced to the groundwater during seasonal water table changes.

The sampling results from MW-17, however, were somewhat unexpected. This well is located near the edge of the P-8 treatment area and outside the heterogeneity associated with well P-8. The increase in CVOCs noted in the December sample are likely remobilized CVOCs that have migrated out of the treatment area to the MW-17 location (well MW-17 is directly downgradient of P-8, based on the December groundwater elevation contours; see Sheet 3). The results of the MNA sampling biological assay detailed below indicate that conditions near MW-17 that promote sequential degradation were stimulated by the SRS-Z® application.

4.2 Monitored Natural Attenuation

The MNA indicators measure the presence of redox products and reactants indicative of various microbial processes including reductive dechlorination. Measuring the amount of DOC (and the correlated BOD), for example, can provide an indication of how much energy is available in the system for the microbial dechlorination (the DOC acts as a food source [electron donor] to microbes present in the groundwater). Likewise, the inorganic products of redox reactions, such as DO (as an indicator of aerobic conditions), sulfate/sulfide (as an indicator of sulfate reduction), and methane (as an indicator of methanogenesis) can be used to determine the prevailing energy state (e.g., high energy-yielding processes such as aerobic respiration or lower energy-yielding processes such as iron reduction, sulfate reduction, or methanogenesis). Microbial populations preferentially exhaust the highest energy-yielding process before moving to lower energy-yielding processes. The reduction of TCE, DCE, and vinyl chloride, which yield relatively low amounts of energy, generally occur within the sulfate reducing and methanogenesis range of processes. Laboratory Analytical Results for the geochemical parameters are included in Appendix E.

4.2.1 MNA Results

The September and December 2014 quarterly performance monitoring results revealed reduced conditions within the treatment area that are generally more reducing as compared to the May 2014 baseline sampling results and previous findings associated with performance monitoring of the SRAP. Field measurements for the ORP collected during the sampling event were consistently negative for both wells (Table 6). Sulfate was only detected in the analytical sample collected in December from P-8 in December at a concentration of 2.2 milligrams per liter (mg/l); whereas in both samples from MW-17 and the September sample from P-8, sulfate was not detected. These results indicate a reduction in sulfate concentrations relative to the May 2014 baseline sampling event when sulfate was detected at 16.0 mg/l in P-8 and 5.8 mg/l in MW-17. These declines may indicate that all available sulfate in the system has been reduced to sulfide. Sulfide concentrations remained at non-detectable levels in both wells since the baseline sampling event. Sulfide typically reacts with cations (e.g., ferrous iron) to form a solid (e.g., ferrous sulfide) which precipitates out of solution quickly.

Ferrous iron concentrations increased substantially in the samples collected from P-8 relative to baseline, from 0.9 mg/l in May 2014 to 38 mg/l in September and 25 mg/l in December (Table 6). The moderate concentrations of methane observed during the May 2014 baseline sampling (2,000 µg/l and 6,000 µg/l, in P-8 and MW-17, respectively) increased up to 10-fold to concentrations of 12,000 µg/l and 20,000 µg/l in P-8 during September and

December, respectively, and to 25,000 µg/l and 24,000 µg/l, respectively, in MW-17. The concentrations of ethane (18 µg/l in September and 8 µg/l in December) and ethene (2.6 µg/l in September and 0.6 µg/l in December) decreased in P-8 relative to the baseline sampling values of 36 µg/l for ethane and 6.1 µg/l for ethene. These compounds are the innocuous end-products of sequential reductive dechlorination of CVOCs and are also commonly generated during abiotic dichloro-elimination reactions. In MW-17, after an initial decrease in concentrations between baseline and the September sampling event from 24 µg/l to 3 µg/l for ethane and from 1.3 to non-detect for ethene, the concentrations of these dissolved gases increased in December to 85 µg/l and 23 µg/l, respectively. The increases in these dissolved gasses may be evidence of sequential degradation of the CVOCs in the vicinity of MW-17.

Dissolved organic carbon and BOD levels increased in the quarterly samples collected from both wells relative to the low levels observed during the baseline sampling. In P-8, DOC increased from 6.0 mg/l in May to 73.0 mg/l in September and 39.4 mg/l in December, while BOD increased from non-detectable levels to 123 mg/l in September and 49.6 mg/l in December (Table 6). Less dramatic shifts in the DOC and BOD concentrations were observed in MW-17, although the concentrations of both were approximately twice those observed during the baseline sampling by the end of the reporting period.

Based on the increasing presence of ferrous iron expected as a result of the SRS-Z® injections and reduction of native ferric iron, the reduction of previously present sulfate, and the increased concentrations of methane, the system appears to be within the methanogenic redox state. The data indicate that the P-8 supplemental remedial action has enhanced redox conditions through the addition of electron donors in the forms of bioavailable carbon and ZVI.

4.3 Compound-specific Isotope Analysis

Compound-specific isotope analysis (CSIA) of the carbon that comprises CVOCs of concern tracks the naturally-occurring carbon isotopes ^{13}C and ^{12}C that are part of the base structure of the chlorinated VOCs to differentiate destructive attenuation from attenuation as a result of nondestructive processes such as dilution, sorption, and volatilization. The chemical bonds involving the heavier isotope are slightly less reactive than those between the lighter isotopes. As a result of the slight difference in the reaction rates, either via abiotic or biologically mediated mechanisms , the ratio of ^{13}C to ^{12}C in the residual non-degraded CVOCs increases. An increase in the ^{13}C to ^{12}C ratio is referred to as enrichment or fractionation. Fractionation with time or along a flow path is definitive proof of degradation. Physical mechanisms of attenuation (e.g., dilution and sorption) do not significantly affect the isotopic signature of residual contaminant.

The CSIA results for carbon are reported as an analysis of the ratio of ^{13}C to ^{12}C for each sample normalized to the international standard for the ^{13}C to ^{12}C ratio, the Vienna Peedee Belemnite (VPDB), which is documented as 0.011198 ^{13}C to ^{12}C (i.e., about 1 percent). The difference or delta (often shortened to “del” and represented as $\delta^{13}C$) between the measured isotopic ratio and the VPDB is calculated according to the following equation:

$$\delta^{13}C = [(^{13}C/^{12}C_{sample} - {}^{13}C/^{12}C_{std}) / {}^{13}C/^{12}C_{std}] * 1{,}000$$

where:

$^{13}C/^{12}C_{sample}$ = the ratio of ^{13}C to ^{12}C of the sample

$^{13}C\ /^{12}C_{std}$ = the ratio of ^{13}C to ^{12}C of the VPDB standard

The $\delta^{13}C$ is reported in units of parts per thousand or “per mil”, denoted with the symbol ‰, and is typically a negative number for chlorinated solvents (i.e., the VPDB has a naturally high ratio of ^{13}C to ^{12}C such that normalized ratios from other carbon sources are often negative). Additional information describing general recommendations for CSIA sampling, data evaluation, and interpretation are presented in the EPA’s *A Guide for Assessing Biodegradation and Source Identification of Organic Ground Water Contaminants using Compound Specific Isotope Analysis* (EPA 2009). Laboratory analytical results for the CSIA data are included in Appendix F.

Because sequential reduction of a parent compound, in this case TCE, requires a chemical reaction, the ^{13}C isotope within residual TCE would be expected to be enriched (less negative $\delta^{13}C$) and the daughter products (i.e., *cis*-1,2-DCE and vinyl chloride) would be expected to be depleted (more negative $\delta^{13}C$). The complete bio-mediated sequential degradation of PCE or TCE to innocuous end products requires multiple reductions (simultaneous enrichment and depletion of reduction pathway intermediates); therefore, only enrichment of daughter product carbon to an extent greater than that of the initial isotopic signature of the parent compound provides evidence of complete degradation to ethene. In the case of CVOCs in groundwater at the former GIC site, *cis*-1,2-DCE and vinyl chloride would both need to be enriched to an extent greater than the initial isotopic signature of the TCE to demonstrate complete degradation by sequential reduction. Abiotic degradation of CVOCs can follow two pathways, sequential degradation, as discussed above, or dichloro-eliminaton (i.e., beta-elimination for TCE and cis-1,2-DCE). Degradation along the dichloro-elimination pathway is common in the presence of ZVI and does not generate lesser chlorinated ethenes. Where the dichloro-elimination pathway is active, fractionation of the parent compound occurs without depletion of sequential reduction daughter products (i.e., the daughter products are not produced). The initial isotopic range for commercial grade PCE and TCE is -30 ± 5‰.

4.3.1 CSIA Sampling Results

The CVOC $\delta^{13}C$ values in the samples collected from P-8 show evidence of isotopic shifts consistent with sequential dechlorination pathways (Table 6). For example, in the sample collected on December 22, 2014, the $\delta^{13}C$ values are increasingly negative along the pathway from parent ($\delta^{13}C$ TCE = -16.60‰) to daughter [cis-1,2-DCE (-21.09‰) and vinyl chloride (-29.73‰)]. Additionally, the $\delta^{13}C$ values of TCE and cis-1,2-DCE in the December sample are enriched relative to the manufactured isotopic range for PCE and TCE and the baseline sample. Vinyl chloride has a $\delta^{13}C$ value that is depleted in ^{13}C relative to the baseline signature of TCE. These data demonstrate sequential degradation through *cis*-1,2-DCE and a stall at vinyl chloride. However, the accumulation of ethene in the sample demonstrates that the sequential degradation pathway is complete. It is common for biodegradation of daughter products to temporarily stall until parent compounds are degraded.

A significant majority of the CVOC mass measured in the December P-8 sample, where mass influx was evident, was *cis*-1,2-DCE. The $\delta^{13}C$ values for *cis*-1,2-DCE measured in September and December were about the same (~ -21‰) and showed significant fractionation as compared to the baseline isotopic signature of TCE (-27.68‰). These data indicate that CVOC mass related to the influx was degraded similarly to the CVOC mass that was present in the P-8 area in September, while either in place or as it migrated into the P-8 area.

4.4 Biological Census

The qPCR analysis quantifies signature nucleotide sequences specific for a certain microorganism or metabolic function of interest. The analysis involves extracting DNA from a sample of native microbes and amplifying/ quantifying base pair sequences unique to the microbe and function of interest. These data are important as they provide information on the biological mechanisms of degradation, if present, which were quantified by VOC and CSIA data. Of particular interest are the known chloro-respiring microbes, such as DHC, one of two genus of microbes (along with *Dehalogenimonas*) known to completely degrade CVOCs to the innocuous end product ethene, or their functional genes, which produce enzymes responsible for DCE and vinyl chloride reduction (not all DHC strains contain the genetic ability to produce these key enzymes). Quantifying and examining the native microbial population for the presence of key microbes and genes that encode for these enzymes is critical to establishing the viability of biological reductive dechlorination. Laboratory analytical results for the microbial census are included in Appendix G.

4.4.1 Biological Sampling Results

The qPCR data indicated that the abundance of DHB and DHC in the samples collected from P-8 increased one and two orders of magnitude from the baseline sampling event to December 2014. Significantly, the abundance of the key DHC functional gene vinyl chloride reductase increased by four orders of magnitude from baseline conditions to a very high abundance of 1.95 $x10^4$ cells/ml detected in December 2014. These data are consistent with interpreted increased degradation of chlorinated VOCs to innocuous end products after the SRS-Z® injections.

Total eubacteria is a measurement of bacterial biomass. Eubacteria abundance was moderate to high in all samples indicating that conditions are generally suitable for bacteria. Methanogens were detected at moderate abundances, which is consistent with the increasing methane concentrations and the increasing abundance of DHC which thrive in similar conditions.

5 Conclusions and Adjustments to Sampling Program

The results of the December 2014 semiannual groundwater sampling event are generally consistent with historical observations and interpretations, including those of the 2012 SRAP review. The groundwater elevation results indicate that the PRB continues to influence the overall groundwater flow pattern by diverting a portion of the flow around both ends of the barrier. The post-SRAP CVOC concentrations along those flow lines (except the newly-introduced CVOCs at MW-17) are markedly lower, particularly in the northern treatment zone and in the areas directly downgradient along the northern flow line. Trace to moderately-low concentrations of CVOCs are present in samples from wells elsewhere on the site with little or no change observed as compared to the previous year's sampling events beyond typical seasonally-affected variations.

The results of the September and December 2014 quarterly performance monitoring show that the SRS-Z® injection is having the intended effect on the recalcitrant VOCs around P-8. The September 2014 data from P-8 show dramatic changes in the dissolved CVOC composition as compared to the May 2014 pre-injection baseline results (Table 5). These findings were supported by the geochemical data, which show reductive conditions with an increase in the dissolved organic carbon; the isotopic data, which reflects enrichment in the daughter products relative to the parent compound; and the biological census results, which show increases in the key microbes, functional genes and biomass. Taken together, these data are strong evidence that the observed CVOC treatment was due to the ZVI injections.

The December 2014 VOC sampling results indicate some mass influx of CVOCs in the samples from well P-8, particularly in the concentrations of *cis*-1,2-DCE. These findings were expected and are likely the results of the groundwater fluctuations and back diffusion processes noted in the conceptual site model. The SRS-Z® amendment, which was selected for its persistence, should remain active for several years allowing continued treatment of the CVOCs at the source and as they are remobilized by the oscillation of the water table. WSP anticipates similar seasonal variations with an overall downward trend in the CVOC concentrations over time. The higher than expected concentrations of CVOCs in nearby well MW-17 are likely due to the migration of remobilized CVOCs from the adjacent treatment area. There is evidence that sequential degradation is occurring and WSP anticipates that these compounds will be attenuated over time.

5.1 Adjustments to the Sampling Program

WSP will continue the PRB monitoring activities, as per previous events. In addition, WSP will continue quarterly performance monitoring of MW-17 and P-8 to assess the effectiveness of the P-8 area supplemental remedial action implemented in May 2014. The quarterly performance monitoring will coincide with semiannual PRB monitoring activities, with additional off-quarter VOC samples collected from just P-8 and MW-17 when low flow sampling is conducted. No other changes or adjustments to the sampling program are anticipated.

6 Acronym List

µg/l	micrograms per liter
1,2-DCE	1,2-dichloroethene
3DME	3-D MicroEmulsion®
ALS	ALS Environmental
amsl	above mean sea level
bgs	below ground surface
BOD	biochemical oxygen demand
CSIA	carbon stable isotope ratios
CVOCs	chlorinated volatile organic compounds
DHB	*dehalobacter spp.*
DHC	*Dehalococcoides spp*
DO	Dissolved oxygen
DOC	dissolved organic
EPA	Environmental Protection Agency
ft^2	square feet
GIC	General Instrument Corporation
LDPE	low density polyethylene
mg/l	milligrams per liter
MIP	Membrane Interface Probe
ml	milliliters
MNA	monitored natural attenuation
NTU	nephelometric turbidity unit
NYSDEC	New York State Department of Environmental Conservation
NYS&W	New York, Susquehanna & Western
ORP	oxidation-reduction potential
PCE	tetrachloroethene
PDB	passive diffusion bag
PRB	permeable reactive barrier
QA/QC	quality assurance/quality control
qPCR	quantitative polymerase chain reaction
redox	reduction-oxidation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision

S&W	Stearns & Wheler, LLC
SOPs	standard operating procedures
SRAP	Supplemental Remedial Action Plan
SVE	soil vapor extraction
TCE	trichloroethene
UIC	Underground Injection Control
VGSI	Vishay GSI, Inc.
VOCs	volatile organic compounds
ZVI	zero-valent iron

7 References

ESC Engineering of New York, P.C., 2004a, Technical Review and Proposed Activities, Former General Instrument Corporation Site, Sherburne, New York. March 3.

ESC Engineering of New York, P.C., 2004b, Preliminary Data Gathering and Semiannual Groundwater Sampling Report, Former General Instrument Corporation Site, Sherburne, New York. August 4.

ESC Engineering of New York, P.C., 2006, Additional Groundwater Investigation Report, Former General Instrument Corporation Site, Sherburne, New York. August 30.

Hunkeler, D., R. U. Meckenstock, B. Lollar, T. C. Schmidt, and J. T. Wilson. A Guide for Assessing Biodegradation and Source Identification of Organic Groundwater Contaminants Using Compound Specific Isotope Analysis (CSIA). U.S. Environmental Protection Agency, Washington, D.C., EPA/600/R-08/148, 2009.

U.S. Environmental Protection Agency, Region 1, 1996. Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells, Revision 2. July 30.

Vroblesky, Don A., 2001. User's Guide to Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells, Part 1: Deployment, Recovery, Data Interpretation, and Quality Control and Assurance. U.S. Geological Survey Water-Resources Investigations Report 01-460.

WSP Engineering of New York, P.C., 2009a, Pre-Design and Supplemental Remedial Alternatives Report, Former General Instrument Corporation Site, Sherburne, New York, February 9.

WSP Engineering of New York, P.C., 2009b. Supplemental Remedial Action Work Plan, Former GIC Facility, Sherburne, New York, August 10.

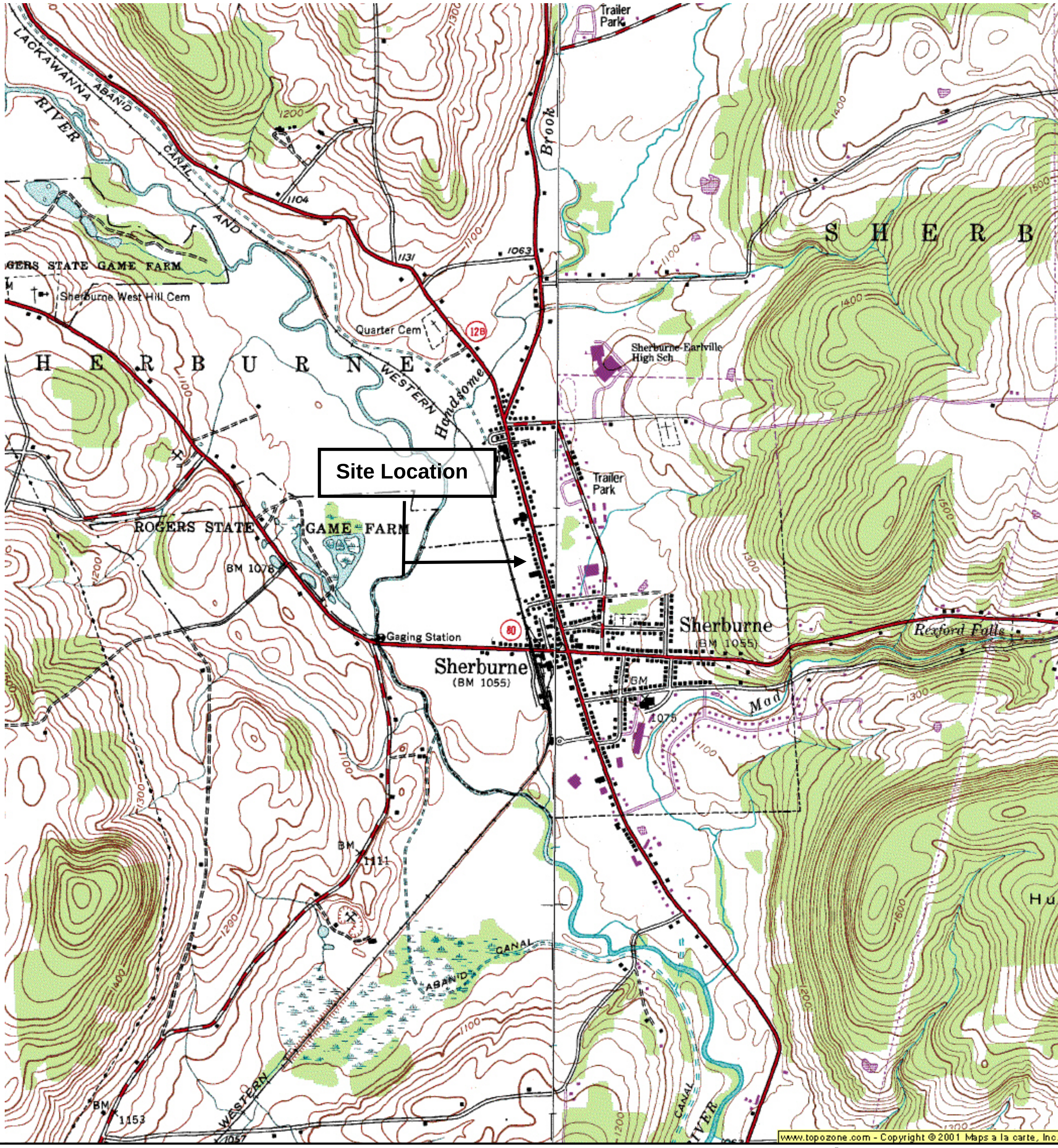
WSP Engineering of New York, P.C., 2012a, Combined October and December Semiannual Groundwater Sampling and Supplemental Remedial Action Review Report, , Former General Instrument Corporation Site, Sherburne, New York, May 2.

WSP Engineering of New York, P.C., 2012b, Pre-Design Investigation Work Plan, Former General Instrument Corporation Site, Sherburne, New York, September 11.

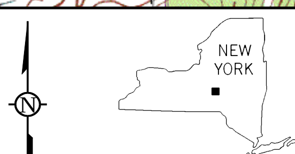
WSP, 2014, Combined Pre-Design Investigation Report and P-8 Area Supplemental Remediation Work Plan, January 9, 2013.

WSP, 2015, Combined P-8 Supplemental Remedial Action Report and May 2014 Semiannual Groundwater Sampling Report, April 22, 2015.

Figures and Sheets



Reference
7.5 Minute Series Topographic Quadrangle
Earlville, New York
Photorevised 1988; Scale 1:25,000 Metric

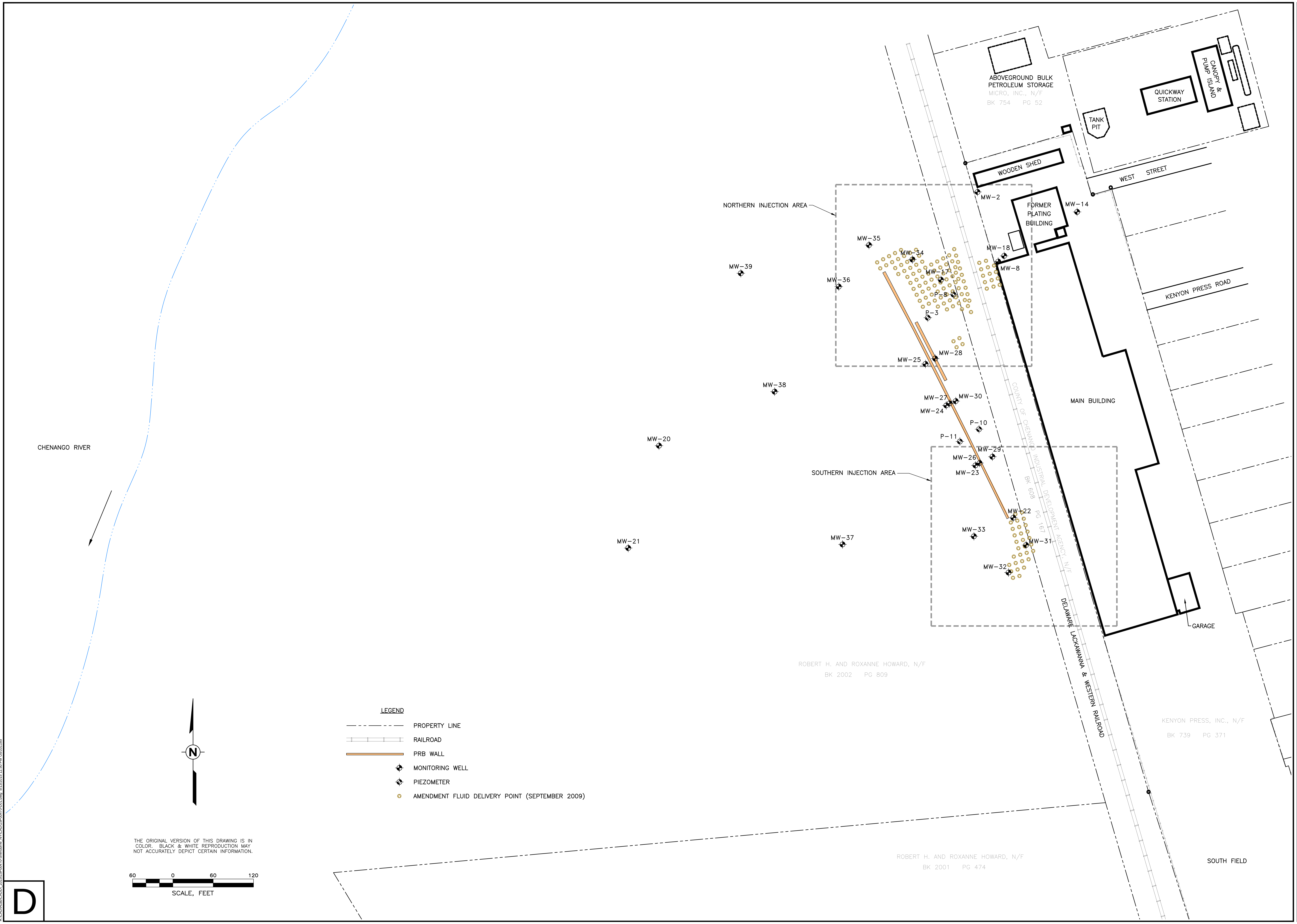


Quadrangle Location

Scale in Meters
0 500 1000
0 1000 2000
Scale in Feet

WSP USA Corp.
5 Sullivan Street
Cazenovia, New York
(315) 655-3900

Figure 1
Site Location
Former General Instrument Corporation Site
Sherburne, New York



THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK & WHITE REPRODUCTION MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.

REVISIONS

REV	DESCRIPTION

DRAWN BY
CHECKED
APPROVED

IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS AND SUPPLIERS WITHOUT THE WRITTEN CONSENT OF WSP USA CORP.

NOTICE: THIS DRAWING HAS BEEN PREPARED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IT IS A VIOLATION OF STATE LAW FOR ANY PERSONS, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY.

SITE PLAN

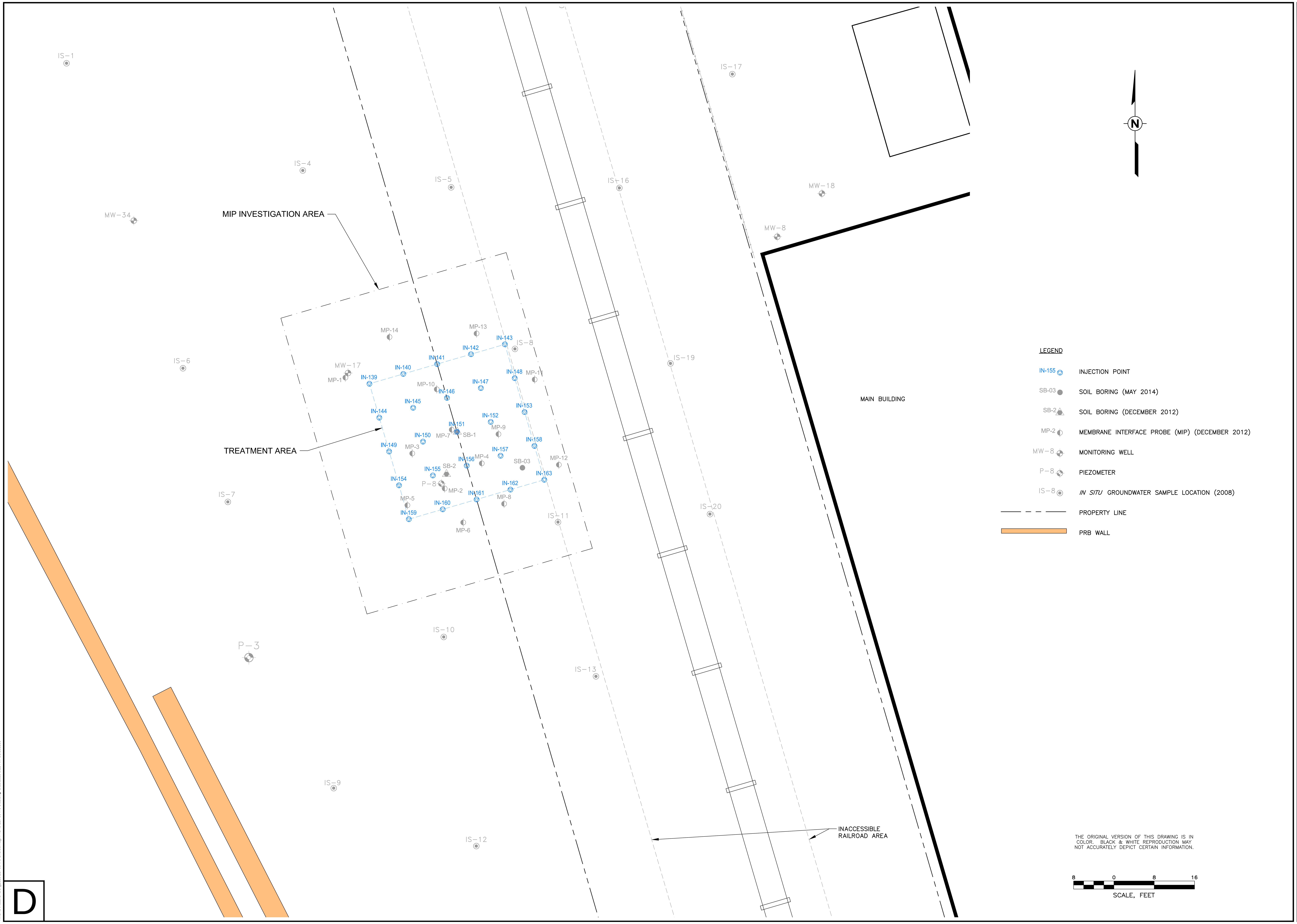
FORMER GENERAL INSTRUMENT CORP. SITE
SHERBURNE, NEW YORK

PREPARED FOR
LADDEY, CLARK & RYAN, LLP
SPARTA, NEW JERSEY

WSP USA Corp.
300 Trade Center, Suite 4690
Woburn, Massachusetts 01801
(781) 933-7340
www.wspgroup.com/usa

SHEET 1

Drawing Number
15P00470-D01



THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK & WHITE REPRODUCTION MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.

D

REVISIONS

REV	DESCRIPTION

SEAL

DATE

DRAWN BY RZ 05/13/2015
CHECKED
APPROVED

PROPERTY OF WSP USA CORP.

IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS AND SUPPLIERS WITHOUT THE WRITTEN CONSENT OF WSP USA CORP.

NOTICE: THIS DRAWING HAS BEEN PREPARED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IT IS A VIOLATION OF STATE LAW FOR ANY PERSONS, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY.

IN-SITU CHEMICAL REDUCTION INJECTION POINTS

FORMER GENERAL INSTRUMENT CORP. SITE
SHERBURNE, NEW YORK

PREPARED FOR
LADDEY, CLARK & RYAN, LLP
SPARTA, NEW JERSEY

WSP USA Corp.
5 Sullivan Street
Cazenovia, New York 13035
(315) 655-3900
www.wspgroup.com/usa

SHEET 2

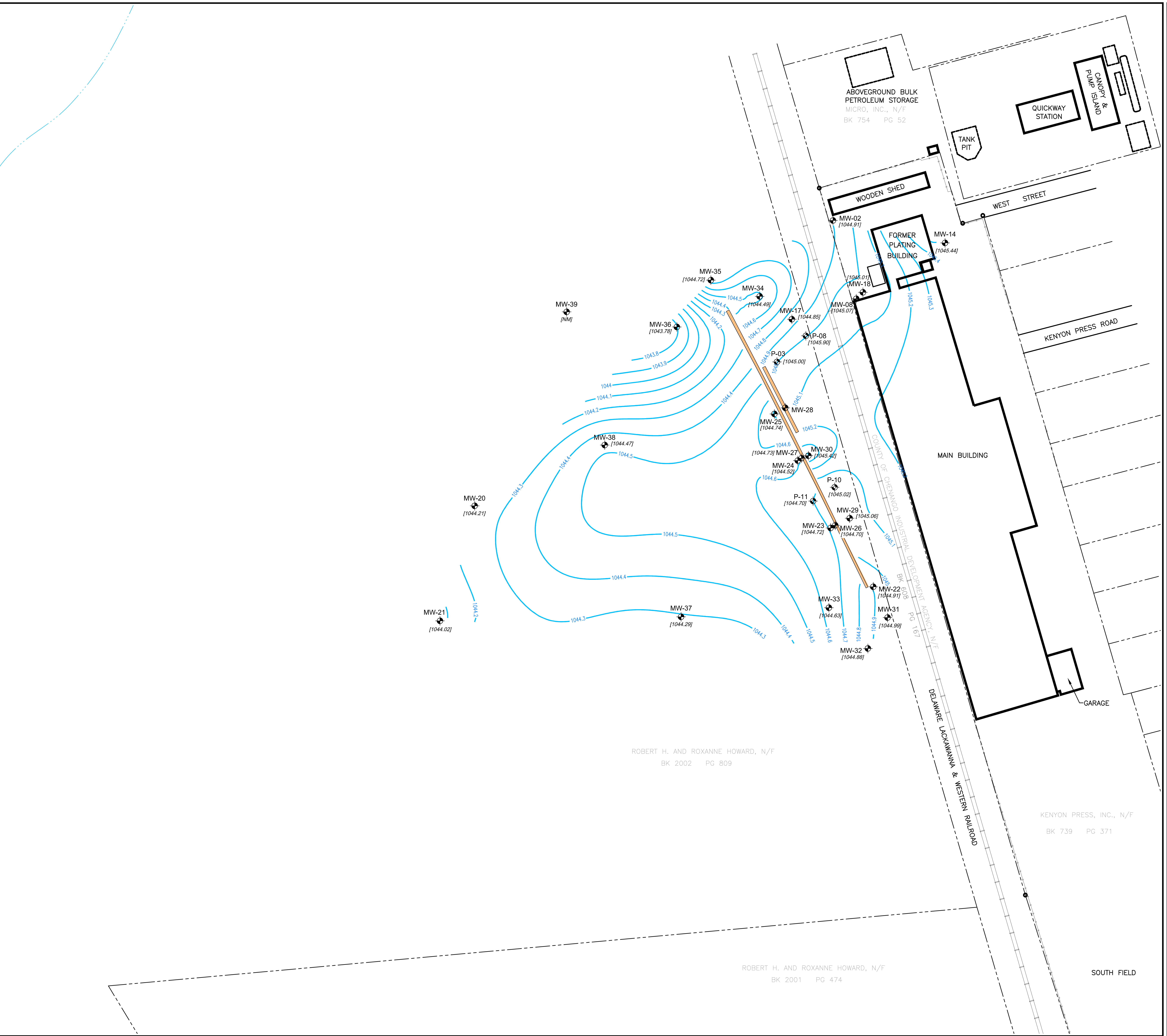
Drawing Number
15P00470-D02

LEGEND

- MONITORING WELL
- PIEZOMETER
- PROPERTY LINE
- RAILROAD
- PRB WALL
- 1044.2 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- [1044.02] GROUNDWATER ELEVATION IN FT–MSL
- [NM] NOT MEASURED
- FT–MSL FEET ABOVE MEAN SEA LEVEL

NOTES:

1. GROUNDWATER ELEVATIONS WERE MEASURED ON DECEMBER 23, 2014.
2. MONITORING WELL MW–28 IS DAMAGED AND, THUS, THE GROUNDWATER ELEVATION AT THIS LOCATION WAS NOT USED TO GENERATE CONTOURS.
3. PIEZOMETER P–08 WAS OMITTED FROM CONTOURING. SEE TEXT FOR EXPLANATION.
4. GROUNDWATER CONTOURS WERE GENERATED USING SURFER®.
5. THE WIDTHS OF THE PRB WALLS ARE NOT DRAWN TO SCALE.



THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK & WHITE REPRODUCTION MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.

D

REVISIONS

REV	DESCRIPTION

SEAL

DATE

DRAWN BY
CHECKED
APPROVED

IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE, AND IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS AND SUPPLIERS WITHOUT THE WRITTEN CONSENT OF WSP USA CORP.

PROPERTY OF WSP USA CORP.

NOTICE: THIS DRAWING HAS BEEN PREPARED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IT IS A VIOLATION OF STATE LAW FOR ANY PERSONS, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY.

SEMIANNUAL SRAP GROUNDWATER ELEVATION MAP – DECEMBER 2014

FORMER GENERAL INSTRUMENT CORP. SITE
SHERBURNE, NEW YORK

PREPARED FOR
LADDEY, CLARK & RYAN, LLP
SPARTA, NEW JERSEY

WSP USA Corp.
5 Sullivan Street
Cazenovia, New York 13035
(315) 655-3900
www.wspgroup.com/usa

SHEET 3

Drawing Number
15P00470–D03

LEGEND

- MONITORING WELL
- PIEZOMETER
- PROPERTY LINE
- RAILROAD
- PRB WALL
- SAMPLE DESIGNATION
- SAMPLING DATE
- CONCENTRATION IN MICROGRAMS PER LITER (μg/l)
- *BLUE ITALIC* VALUES EXCEED EVALUATION CRITERIA
- "ND" INDICATES COMPOUND NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- "J" INDICATES ESTIMATED CONCENTRATION BELOW LABORATORY REPORTING LIMITS

MW-20	
12/23/14	
1,1-DCE	0.68 J
cis-1,2-DCE	0.68 J
trans-1,2-DCE	ND
1,1,1-TCA	1.6
TCE	*6.4*
VC	ND

DCE DICHLOROETHENE
TCA TRICHLOROETHANE
TCE TRICHLOROETHENE
VC VINYL CHLORIDE

NOTES:

1. EVALUATION CRITERIA ARE FROM THE NEW YORK STATE AMBIENT WATER QUALITY STANDARDS OR GUIDANCE VALUES FOR CLASS GA GROUNDWATER PROVIDED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), DATED JUNE 1998, AND THE APRIL 2000 ADDENDUM.
2. THE EVALUATION CRITERIA FOR SITE RELATED VOCS ARE: 5 UG/L FOR 1,1-DCE, CIS AND TRANS-1,2-DCE, 1,1,1-TCA, AND TCE; AND 2 UG/L FOR VINYL CHLORIDE.
3. QUARTERLY VOC GROUNDWATER SAMPLES AT P-08 AND MW-17 WERE COLLECTED ON SEPTEMBER 30, 2014 AND DECEMBER 22, 2014.

MW-02	DEC. 2014
1,1-DCE	1.4
cis-1,2-DCE	2.1
trans-1,2-DCE	ND
1,1,1-TCA	0.60 J
TCE	*6.8*
VC	ND

	MW-08	MW-18
	12/23/14	
1,1-DCE	1.1	2.5
cis-1,2-DCE	1.8	ND
trans-1,2-DCE	ND	ND
1,1,1-TCA	ND	ND
TCE	0.93 J	ND
VC	ND	ND

MW-34	12/23/14
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	ND
VC	ND

MW-35	12/23/14
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1,1-TCA	0.47 J
TCE	2.1
VC	ND

MW-39	12/23/14
1,1-DCE	NS
cis-1,2-DCE	NS
trans-1,2-DCE	NS
1,1,1-TCA	NS
TCE	NS
VC	NS

MW-36	12/23/14
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	ND
VC	ND

P-03	12/23/14
1,1-DCE	ND
cis-1,2-DCE	0.86 J
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	0.72 J
VC	ND

P-08	Sep `14	Dec `14
1,1-DCE	ND	ND
cis-1,2-DCE	*72.0*	*1,340*
trans-1,2-DCE	2.7	3.9
1,1,1-TCA	ND	ND
TCE	ND	*55.8*
VC	*114 J*	*116*

MW-17	Sep `14	Dec `14
1,1-DCE	ND	ND
cis-1,2-DCE	2.1	*306*
trans-1,2-DCE	0.86	1.7
1,1,1-TCA	ND	ND
TCE	ND	*35.4*
VC	0.63	*16.9*

MW-25	12/23/14
1,1-DCE	ND
cis-1,2-DCE	2.1
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	ND
VC	ND

MW-38	12/23/14
1,1-DCE	0.35 J
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1,1-TCA	2.3
TCE	4.0
VC	ND

	MW-24	MW-27	MW-30
	12/23/14		
1,1-DCE	ND	ND	ND
cis-1,2-DCE	0.6 J	ND	ND
trans-1,2-DCE	ND	ND	ND
1,1,1-TCA	ND	ND	ND
TCE	ND	ND	ND
VC	ND	ND	ND

P-10	12/23/14
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	0.64 J
VC	ND

P-11	12/23/14
1,1-DCE	ND
cis-1,2-DCE	3.0
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	ND
VC	*2.4*

MW-29	12/23/14
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	0.5 J
VC	ND

MW-20	12/23/14
1,1-DCE	0.68 J
cis-1,2-DCE	0.68 J
trans-1,2-DCE	ND
1,1,1-TCA	1.6
TCE	*6.4*
VC	ND

	MW-23	MW-26
	12/23/14	
1,1-DCE	ND	ND
cis-1,2-DCE	ND	ND
trans-1,2-DCE	ND	ND
1,1,1-TCA	ND	ND
TCE	ND	ND
VC	ND	ND

MW-22	12/23/14
1,1-DCE	ND
cis-1,2-DCE	*17.4*
trans-1,2-DCE	0.9 J
1,1,1-TCA	ND
TCE	ND
VC	*2.9*

MW-21	12/23/14
1,1-DCE	0.72 J
cis-1,2-DCE	2.3
trans-1,2-DCE	ND
1,1,1-TCA	1.1
TCE	*18.8*
VC	ND

MW-37	12/23/14
1,1-DCE	ND
cis-1,2-DCE	*8.5*
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	*37.1*
VC	ND

MW-33	12/23/14
1,1-DCE	ND
cis-1,2-DCE	2.3
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	1.5
VC	ND

MW-31	12/23/14
1,1-DCE	ND
cis-1,2-DCE	*56.8*
trans-1,2-DCE	1.8
1,1,1-TCA	ND
TCE	0.8 J
VC	1.2

MW-32	12/23/14
1,1-DCE	ND
cis-1,2-DCE	*7.8*
trans-1,2-DCE	ND
1,1,1-TCA	ND
TCE	ND
VC	ND

THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK & WHITE REPRODUCTION MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.

D

REVISIONS
REV | DESCRIPTION

DRAWN BY
CHECKED
APPROVED

DATE

SEAL

PROPERTY OF WSP USA CORP. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS AND SUPPLIERS WITHOUT THE WRITTEN CONSENT OF WSP USA CORP.

NOTICE: THIS DRAWING HAS BEEN PREPARED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IT IS A VIOLATION OF STATE LAW FOR ANY PERSONS, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY.

QUARTERLY AND SEMIANNUAL PERFORMANCE MONITORING RESULTS SITE-RELATED CHLORINATED VOCs (SEP. AND DEC. 2014)

FORMER GENERAL INSTRUMENT CORP. SITE
SHERBURNE, NEW YORK

PREPARED FOR
LADDEY, CLARK & RYAN, LLP
SPARTA, NEW JERSEY

WSP
WSP USA Corp.
5 Sullivan Street
Cazenovia, New York 13035
(315) 655-3900
www.wspgroup.com/usa

SHEET 4

Drawing Number
15P00470-D04

Tables

Table 1

Semiannual Water Level Measurements
Former General Instrument Corporation Site
Sherburne, New York (a)

Well ID		Ground Elevation	Reference Elevation	December 23, 2014 Depth To Water	Groundwater Elevation	Depth BGS	
MW-2		1,048.46	1,050.07	5.16	1,044.91	3.55	
MW-8		1,048.44	1,048.13	3.06	1,045.07	3.37	
MW-14		1,049.63	1,049.69	4.25	1,045.44	4.19	
MW-17		1,047.85	1,050.74	5.89	1,044.85	3.00	
MW-18		1,048.45	1,047.84	2.83	1,045.01	3.44	
MW-20		1,046.15	1,049.20	4.99	1,044.21	1.94	
MW-21		1,047.70	1,049.97	5.95	1,044.02	3.68	
MW-22		1,048.09	1,051.24	6.33	1,044.91	3.18	
MW-23		1,047.67	1,050.84	6.12	1,044.72	2.95	
MW-24		1,048.02	1,051.13	6.61	1,044.52	3.50	
MW-25		1,047.99	1,051.16	6.42	1,044.74	3.25	
MW-26		1,047.94	1,051.04	6.34	1,044.70	3.24	
MW-27		1,047.93	1,051.07	6.34	1,044.73	3.20	
MW-28	(b)	1,047.94	1,051.02	NM	NM	NM	
MW-29		1,047.23	1,049.37	4.31	1,045.06	2.17	
MW-30		1,047.72	1,049.90	4.48	1,045.42	2.30	
MW-31		1,048.40	1,050.54	5.55	1,044.99	3.41	
MW-32		1,047.42	1,048.92	4.04	1,044.88	2.54	
MW-33		1,047.03	1,049.13	4.50	1,044.63	2.40	
MW-34		1,046.39	1,048.38	3.89	1,044.49	1.90	
MW-35		1,047.32	1,049.85	5.13	1,044.72	2.60	
MW-36		1,046.80	1,048.06	4.28	1,043.78	3.02	
MW-37		1,047.70	1,049.50	5.21	1,044.29	3.41	
MW-38		1,047.50	1,049.61	5.14	1,044.47	3.03	
MW-39	(b)	1,047.36	1,049.31	NM	NM	NM	
P-3		1,047.83	1,050.25	5.25	1,045.00	2.83	
P-8		1,048.81	1,051.32	5.42	1,045.90	2.91	(c)
P-10		1,047.60	1,049.64	4.62	1,045.02	2.58	
P-11		1,047.46	1,049.60	4.90	1,044.70	2.76	

a/ All measurements in feet, elevations are feet above Mean Sea Level; NM = not measured; BGS = below ground surface.

b/ MW-28 and MW-39 are damaged and, thus, were not gauged. See text for explanation.

c/ The depth to water measurement and calculated groundwater elevation at P-8 are considered inaccurate due to the presence of SRS-Z® amendment in the well. See text for explanation.

Table 2

Historical Groundwater Elevation Measurements
Former General Instrument Corporation Site
Sherburne, New York
2004 to Present (a)

Well ID	**MW-2**	**MW-8**	**MW-14**	**MW-17**	**MW-18**	**MW-20**	**MW-21**	**MW-22**	**MW-23**	**MW-24**	**MW-25**	**MW-26**	**MW-27**	**MW-28**	**MW-29**	**MW-30**	**MW-31**	**MW-32**	**MW-33**	**MW-34**	**MW-35**	**MW-36**	**MW-37**
Date		(b)			(c)									(d)									
6/2/2004	1044.09	1044.26	-	1044.07	1044.15	1043.34	1043.13	1044.13	1043.75	1043.72	1043.76	1043.75	1043.73	1044.06	1044.23	1044.16	-	-	-	-	-	-	-
11/2/2004	1044.18	1044.33	1044.7	1044.14	1044.17	1043.48	1043.27	1044.19	1043.84	1043.82	1043.85	1043.85	1043.84	1044.2	1044.27	1044.22	-	-	-	-	-	-	-
6/1/2005	1043.3	1043.38	1043.91	1043.28	1043.31	1042.47	1042.27	1043.4	1042.96	1042.89	1042.96	1042.96	1042.96	1043.29	1043.48	1043.4	-	-	-	-	-	-	-
12/1/2005	1044.39	1044.43	1044.9	1044.36	-	1043.65	1043.49	1044.45	1044.07	1044.03	1044.06	1044.08	1044.08	1044.6	1044.5	1044.44	1044.45	1044.42	1044.27	1044.2	1044.16	1044.09	1043.79
7/20/2006	1044.89	1044.95	1045.37	1044.85	1044.96	1044.19	1044.09	1044.88	1044.6	1044.54	1044.58	1044.6	1044.66	1044.86	1044.97	1044.94	1044.89	1044.87	1044.66	1044.62	1044.67	1044.51	1044.36
12/22/2006	1044.2	1044.27	1044.77	1044.16	1044.33	1043.39	1043.25	1044.25	1043.85	1043.8	1043.84	1043.87	1043.86	-	1044.34	1044.27	1044.28	1044.24	1043.99	1043.9	1043.95	-	1043.57
6/29/2007	1043.02	1043.1	1043.54	1043.02	1043.16	1042.25	1041.99	1043.09	1042.65	1042.61	1042.67	1042.67	1042.68	1043.05	1043.18	1043.11	1043.12	1043.1	1042.83	1042.7	1042.77	1042.53	1042.35
12/20/2007	1044.83	1044.9	1045.24	1044.81	1044.93	1044.24	1044.05	1044.87	1044.57	1044.53	1044.62	1044.59	1044.62	-	1044.92	1044.9	1044.86	1044.89	1044.63	1044.54	1044.63	1044.4	1044.38
6/12/2008	1043.21	1043.28	1043.7	1043.18	1043.34	1042.44	1042.17	1043.31	1042.86	1042.78	1042.85	1042.86	1042.86	-	1043.39	1043.3	1043.34	1043.02	1043.03	1042.84	1042.97	1042.6	1042.54
12/29/2008	1046.99	1047.01	1046.85	1046.95	1046.95	1046.65	1046.35	1046.68	1046.88	1046.84	1046.96	1046.85	1047	-	1046.72	1046.89	1046.62	1046.61	1046.58	1046.8	1046.99	1046.68	1046.59
6/16/2009	1043.54	1043.64	1044.27	1043.53	1043.68	1042.77	1042.56	1043.66	1043.22	1043.14	1043.22	1043.22	1043.22	-	1043.74	1043.66	1043.69	1043.64	1043.38	1043.17	1043.31	1042.74	1042.92
2/6/2010	1044.38	1044.45	1045.04	1044.37	1044.5	1043.69	1043.51	1044.31	1044.07	1043.97	1044.07	1044.08	1044.08	-	1044.49	1044.47	1044.43	1044.37	1044.17	1044	1044.17	1043.58	1043.88
3/30/2010	1045.83	1045.86	1046.32	1045.94	1045.9	1045.35	1045.17	1045.79	1045.8	1045.55	1045.67	1045.78	1045.86	-	1045.91	1045.91	1045.86	1045.92	1045.81	1045.6	1045.76	1045.2	1046.03
6/30/2010	1043.37	1043.45	1044.09	1043.35	1043.53	1042.6	1042.36	1043.35	1043.02	1042.92	1043.03	1043.02	1043	-	1043.51	1043.45	1043.45	1043.41	1043.13	1042.97	1043.14	1042.55	1042.7
9/20/2010	1042.69	1042.75	1043.34	1042.69	1042.81	1042	1041.78	1042.67	1042.39	1042.3	1042.39	1042.4	1042.39	-	1042.83	1042.78	1042.79	1042.75	1042.48	1042.34	1042.49	1041.91	1042.12
12/16/2010	1045.3	1045.42	1045.86	1045.33	1045.39	1044.66	1044.46	1045.15	1045.03	1044.92	1045.03	1045.03	1045.08	-	1045.31	1045.32	1045.25	1045.23	1045.04	1044.94	1045.11	1044.54	1044.78
3/29/2011	1045.69	1045.72	1046.07	1045.76	1045.67	1045.22	1044.98	1045.54	1045.49	1045.38	1045.49	1045.5	1045.59	-	1045.7	1045.72	1045.64	1045.62	1045.46	1045.36	1045.52	1044.94	1045.27
6/20/2011	1043.71	1043.81	1044.39	1043.69	1043.88	1042.95	1042.66	1043.71	1043.31	1043.23	1043.34	1043.35	1043.37	-	1043.89	1043.81	1043.83	1043.81	1043.53	1043.4	1043.43	1042.83	1043.05
10/4/2011	1045.83	1045.9	NM	1045.84	1045.91	1045.38	1045.15	1045.73	1045.67	1045.55	1045.68	1045.74	1045.74	-	1045.86	1045.86	1045.82	1045.82	1045.65	1045.53	1045.71	1045.14	-
12/15/2011	1044.69	1044.82	1045.29	1044.68	1044.81	1044.08	1043.79	1044.64	1044.39	1044.27	1044.38	1044.39	1044.36	-	1044.83	1044.76	1044.75	1044.73	1044.5	1044.36	1044.5	1043.91	1044.14
7/6/2012	1043.12	1043.15	NM	1043.08	1043.27	1042.37	1042.05	1043.1	1042.76	1042.63	1042.76	1042.75	1042.84	-	1043.26	1043.2	1043.19	1043.19	1042.93	1042.73	1042.87	1042.21	1042.43
11/29/2012	1043.37	1043.44	1043.95	1043.35	1043.51	1,042.71	1042.4	1043.33	1043.05	1042.94	1043.05	1043.05	1043.05	-	1043.49	1043.45	1043.43	1043.41	1043.17	1043.02	1043.16	1042.51	1042.77
6/3/2013	1045.19	1045.29	1045.53	1044.21	1045.33	1,044.47	1044.24	1045.11	1044.99	1044.85	1044.98	1045.01	1045.03	-	1045.27	1045.27	1045.21	1045.18	1045.03	1044.68	1044.85	1044.17	1044.75
12/23/2013	1046.73	1046.77	1046.78	1046.66	1046.73	1,046.38	1046.09	1046.36	1046.62	1046.51	1046.7	1046.69	1046.56	-	1046.55	1046.68	1046.44	1046.42	1046.4	1046.47	1046.68	1046.04	1046.4
5/31/2014	1044.32	1044.41	NM	1044.53	1044.51	1,043.44	1043.22	1044.26	1043.88	1043.68	1043.96	1043.89	1043.91	-	1044.33	1044.28	1044.33	1044.14	1043.98	1043.86	1044.07	1043.1	1043.54
12/23/2014	1,044.91	1,045.07	1,045.44	1,044.85	1,045.01	1,044.21	1,044.02	1,044.91	1,044.72	1,044.52	1,044.74	1,044.70	1,044.73	-	1,045.06	1,045.42	1,044.99	1,044.88	1,044.63	1,044.49	1,044.72	1,043.78	1,044.29
Average	**1044.45**	**1044.53**	**1044.97**	**1044.411**	**1044.55**	**1043.784**	**1043.558**	**1044.418**	**1044.171**	**1044.074**	**1044.178**	**1044.18**	**1044.196**	**1044.01**	**1044.54**	**1044.526**	**1044.55**	**1044.507**	**1044.317**	**1044.197**	**1044.332**	**1043.816**	**1043.939**

Table 2

Historical Groundwater Elevation Measurements
Former General Instrument Corporation Site
Sherburne, New York
2004 to Present (a)

Well ID	MW-38	MW-39	P-3	P-8		P-10	P-11
Date		(d)					
6/2/2004	-	-	1044.09	1044.09		1044.22	1043.75
11/2/2004	-	-	1044.16	1044.19		1044.27	1043.85
6/1/2005	-	-	1043.3	1043.31		1043.47	1042.96
12/1/2005	1043.88	1043.95	1044.37	1044.39		1044.5	1044.07
7/20/2006	1044.44	1044.34	1044.88	1044.88		1044.96	1044.61
12/22/2006	1043.68	1043.6	1044.19	1044.21		1044.32	1043.85
6/29/2007	1042.49	1042.35	1043.01	1043.03		1043.15	1042.66
12/20/2007	1044.42	1044.23	1044.83	1044.84		1044.9	1044.57
6/12/2008	1042.67	1042.46	1043.21	1043.22		1043.36	1042.85
12/29/2008	1046.85	1046.64	1046.92	1046.95		1046.71	1046.87
6/16/2009	1043.04	1042.66	1043.57	1043.57		1043.71	1043.22
2/6/2010	1043.92	1043.45	1044.41	1044.43		1044.46	1044.08
3/30/2010	1045.55	1045.04	1045.85	1045.88		1045.88	1045.7
6/30/2010	1042.87	1042.45	1043.4	1043.39		1043.48	1043.02
9/20/2010	1042.25	1041.83	1042.72	1042.71		1042.8	1042.4
12/16/2010	1044.89	1044.41	1045.3	1045.33		1045.29	1045.02
3/29/2011	1045.34	1044.77	1045.69	1045.7		1045.67	1045.47
6/20/2011	1043.15	1042.66	1043.74	1043.74		1043.87	1042.98
10/4/2011	1045.51	-	1045.86	1045.87		1045.83	1045.66
12/15/2011	1044.23	-	1044.7	1044.69		1044.8	1044.39
7/6/2012	1042.57	-	1043.12	1043.12		1043.24	1042.75
11/29/2012	1042.9	-	1043.37	1043.37		1043.46	1043.04
6/3/2013	1044.64	-	1045.2	1045.23		1045.24	1044.98
12/23/2013	1046.54	-	1046.69	1046.68		1046.52	1046.62
5/31/2013	1043.79	-	1044.37	1044.59		1044.26	1043.88
12/23/2014	1,044.47	-	1,045.00	1,045.90	(e)	1,045.02	1,044.70
Average	**1044.091**	**1043.656**	**1044.46**	**1044.512**		**1044.515**	**1044.15192**

a/ All measurements are in feet above Mean Sea Level (ft amsl).

b/ The well head at MW-8 was converted to a flush-mount pad on June 8, 2005. The original ground elevation before conversion was 1048.36 feet, and the original reference elevation was 1050.50.

c/ Monitoring well MW-18 contained 0.11 feet of free-phase product in November 2004, 0.17 feet in June 2005, 0.05 feet in July 2006, an unmeasured thickness in December 2006, and 0.01 feet in June 2007. No measurable free-phase product was observed on December 20, 2007 or later.

d/ Wells MW-28 and MW-39 are damaged and, thus, were not gauged. See text for explanation.

e/ The depth to water measurement and calculated groundwater elevation at P-8 in December 2014 are considered inaccurate due to the presence of SRS-Z® amendment in the well. See text for explanation.

Table 3

Semiannual PRB Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York
(a)

Sample ID:	**Evaluation**	**MW-2**	**MW-8**	**MW-17**	**MW-18**		**MW-20**	**MW-21**	**MW-22**	**MW-23**	**MW-24**	**MW-25**	**MW-26**	**MW-27**	**MW-28**	**MW-29**
Date:	**Criteria (b)**	12/23/14	12/23/14	12/22/14	12/23/14		12/23/14	12/23/14	12/23/14	12/23/14	12/23/14	12/23/14	12/23/14	12/23/14	12/23/14	12/23/14
VOCs (µg/l)						Dup (c)									(d)	
Acetone	50	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	NS	10.0 U
Benzene	1	0.5 U	0.5 U	0.5 U	**1.3**	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U
2-Butanone (MEK)	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U
Carbon disulfide	60	5.0 U	5.0 U	1.0 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U
Chloroethane	5	2.0 U	2.0 U	2.0 U	2.9	3.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NS	2.0 U
Cyclohexane	-	5.0 U	5.0 U	5.0 U	1.6 J	2.1 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U
1,1-Dichloroethane	5	1.4	1.1	1.0 U	2.5	2.7	0.7 J	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U
cis-1,2-Dichloroethene	5	2.1	1.8	**306**	1.0 U	1.0 U	0.7 J	2.3	**17.4**	1.0 U	0.6 J	2.1	1.0 U	1.0 U	NS	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.7	1.0 U	1.0 U	1.0 U	1.0 U	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	0.4 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U
Methylcyclohexane	-	5.0 U	5.0 U	5.0 U	1.5 J	1.6 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	0.4 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U
1,1,1-Trichloroethane	5	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U
Trichloroethene	5	**6.8**	0.9 J	**35.4**	1.0 U	1.0 U	**6.4**	**18.8**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	0.5 J
Vinyl chloride	2	1.0 U	1.0 U	**16.9**	1.0 U	1.0 U	1.0 U	1.0 U	**2.9**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U
Total VOCs:	-	**10.9**	**3.8**	**361.0**	**9.8**	**11.5**	**10.0**	**23.3**	**21.2**	**ND**	**0.6**	**2.1**	**ND**	**ND**	**NS**	**0.5**
Total CVOCs:	-	**10.9**	**3.8**	**360.0**	**5.4**	**6.0**	**9.4**	**22.9**	**21.2**	**ND**	**0.6**	**2.1**	**ND**	**ND**	**NS**	**0.5**

Table 3

Semiannual PRB Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York
(a)

Sample ID:		**MW-30**	**MW-31**	**MW-32**	**MW-33**	**MW-34**	**MW-35**	**MW-36**	**MW-37**		**MW-38**	**MW-39**	**P-3**	**P-8**	**P-10**	**P-11**
Date:		12/23/14	12/23/14	12/23/14	12/23/14	12/23/14	12/23/14	12/23/14	12/23/14		12/23/14	12/23/14	12/23/14	12/22/14	12/23/14	12/23/14
VOCs (µg/l)										DUP (c)		(d)				
Acetone	50	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	NS	10.0 U	11.9	10.0 U	10.0 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone (MEK)	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	41.2	5.0 U	5.0 U
Carbon disulfide	60	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	2.6 J	5.0 U	5.0 U
Chloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NS	2.0 U	2.0 U	2.0 U	2.0 U
Cyclohexane	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 J	NS	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U	0.9 J	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	**56.8**	**7.8**	2.3	1.0 U	1.0 U	1.0 U	**8.5**	**8.4**	1.0 U	NS	0.9 J	**1,340**	1.0 U	3.0
trans-1,2-Dichloroethene	5	1.0 U	1.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U	3.9	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NS	5.0 U	0.6 J	5.0 U	5.0 U
Methyl-Tert-Butyl Ether	10	1.0 U	0.3 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 J	NS	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 J	1.0 U	1.0 U	1.0 U	2.3	NS	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	0.8 J	1.0 U	1.5	1.0 U	2.1	1.0 U	**37.1**	**37.5**	4.0	NS	0.7 J	**56**	0.6 J	1.0 U
Vinyl chloride	2	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	1.0 U	**116**	1.0 U	**2.4**
Total VOCs:	-	**ND**	**60.9**	**7.8**	**3.8**	**ND**	**2.6**	**ND**	**45.6**	**45.9**	**7.1**	**NS**	**1.6**	**1,572.9**	**0.6**	**5.4**
Total CVOCs:	-	**ND**	**60.6**	**7.8**	**3.8**	**ND**	**2.6**	**ND**	**45.6**	**45.9**	**6.7**	**NS**	**1.6**	**1,516.6**	**0.6**	**5.4**

a/ Concentrations highlighted in bold text and gray shading exceed evaluation criteria; ID = identification; VOCs = volatile organic compounds; µg/l = micrograms per liter; U = compound not detected at or above the reporting limit; J = estimated value; ND = not detected; NS = not sampled.

b/ Evaluation criteria are the New York State Ambient Water Quality Standards or Guidance Values for Class GA groundwater provided in the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, and the April 2000 Addendum.

c/ The duplicate sample of MW-18 was designated MW-1214A, and the duplicate sample of MW-37 was designated MW-1214B. Both samples were blind to the analytical laboratory.

d/ MW-28 and MW-39 are damaged and, thus, were not sampled. See text for explanation.

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-2	06/02/04	60 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	3.9	1.6	1 U	0.24 J	0.76 J	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	3 U
	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	3.6	1.9	1 U	1 U	0.4 J	1 U	9.8	1 U	1 U	1 U	1 U	0.58 J	1 U	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	1.5	1 U	1 U	1 U	1 U	1 U	**11**	1 U	1 U	1 U	1 U	0.6 J	0.6 J	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	3.2	1 U	U	1 U	1 U	1 U	3.2	1 U	1 U	1 U	1 U	1.5	1 U	3 U
	07/20/06	2.6 J	1 U	1 U	1 U	1 U	1 U	2.2	1 U	2.8	1.3	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1.2	1 U	3 U
	12/22/06	9.9 J	1 U	1 U	1 U	1 U	1 U	3 J	1 U	**6.8 J**	3.8 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.95 J	1 U	3 U
	06/29/07	26	1 U	1 U	1 U	1 U	1 U	**5.4**	1 U	3.1	1.9	1 U	1 U	1 U	1 U	0.57 J	1 U	1	1 U	1 U	1 U	0.72 J	1 U
	12/20/07	6.4 J	1 U	1 UJ	1 U	1 U	1 U	1.4	1 U	2.4	1 U	1 U	1 U	1 U	1 U	5.7	1 U	1 U	1 U	1 U	2.5	1 U	3 U
	06/11/08	5 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	2.9	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/29/08	21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.81 J	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	3.1	1 U	3 U
DUP (e)	12/29/08	21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.88 J	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	3.2	1 U	3 U
	06/16/09	4.5 J	1 U	1 U	1 U	1 U	1 U	2.4	1 U	3.4	0.58 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**8.5**	1 U	2 U
DUP	06/16/09	4.5 J	1 U	1 U	1 U	1 U	1 U	2.4	1 U	3.3	0.59 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**8.9**	1 U	2 U
	01/07/10	10 UJ	1 UJ	3 U	1 U	1 U	10 U	1.2 J	1 U	1.9 J	1 UJ	1 UJ	1 UJ	10 U	1 UJ	1 U	2 U	1 UJ	1 UJ	1 UJ	**6.9 J**	1 U	3 UJ
	07/01/10	10.7	1 U	1 U	1 U	1 U	10 U	2.7	1 U	1.8	**7.1**	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	3.8	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.0	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	4.4	1 U	3 U
	06/20/11	18.5	1 U	1 UR	1 U	1 U	10 UJ	1.8	1 U	3.1	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1 U	**5.4**	1 U	3 U
	12/15/11	14.8	1 U	1 UJ	1 U	1 U	10 U	1.4	1 U	3.4	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	**6.8**	1 U	3 U
	07/06/12	10.0 U	1 U	1 U	1 U	1 U	10 U	3	1 U	2.6	1	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.1	1 U	3 U
DUP	07/06/12	10.0 U	1 U	1 U	1 U	1 U	10 U	3.4	1 U	2.6	1.2	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.7	1 U	3 U
	11/29/12	5.0 U	0.5 U	2 U	2 U	2 U	5 U	2.8	1 U	2.0	1 U	1 U	5 U	5 U	2 U	2.4	5 U	1 U	1 U	1 U	**6.3**	1 U	1 U
	06/04/13	6.9 J	0.5 U	2 U	2 U	2 U	5 U	1.4	1 U	1.8	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**8.6**	1 U	1 U
	12/23/13	10.0 UJ	0.5 U	2 U	2 U	2 U	5 U	1.6	1 U	2.7	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**5.7**	1 U	1 U
	05/27/14	10.0 U	0.5 U	2 U	2 U	2 U	5 U	0.67 J	1 U	2.1	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**5.6**	1 U	1 U
	12/23/14	10.0 U	0.5 U	2 U	2 U	2 U	5 U	1.4	1 U	2.1	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	0.6 J	**6.8**	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-8	06/02/04	5 U	0.8 J	1 U	1 U	1 U	0.24 J	0.42 J	1 U	0.84 J	1 U	1 U	1 U	1 U	1 U	5.2	1 U	1 U	1 U	1 U	1.8	1 U	3 U
	11/02/04	5 U	0.44 J	1 U	1 U	1 U	1 U	0.52 J	1 U	0.8 J	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	2.6	1 U	3 U
	06/01/05	5 U	**2.2**	1 U	1 U	1 U	0.3 J	0.7 J	1 U	1.2	1 U	1 U	0.3 J	1 U	1 U	3	2.6	1 U	1 U	1 U	1.0	0.6 J	0.8 J
	12/01/05	5 U	**1.8**	1 U	1 U	1 U	1 U	1 U	1 U	0.92 J	1 U	1 U	1 U	1 U	1 U	1.8	0.53 J	1 U	1 U	1 U	1.9	1 U	3 U
DUP	12/01/05	5 U	**1.6**	1 U	1 U	1 U	1 U	1 U	1 U	0.78 J	1 U	1 U	1 U	1 U	1 U	1.7	0.52 J	1 U	1 U	1 U	1.8	1 U	3 U
	07/20/06	5 U	0.5 J	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1.6	1 U	3 U
	12/22/06	9.9	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.73 J	1 U	3 U
	06/29/07	14	**2.0**	1 U	1 U	1 U	1 U	1.5	1 U	2.2	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U	1 U	0.51 J	1 U	3 U
	12/20/07	4.8 J	1 U	1 UJ	1 U	1 U	1 U	0.79 J	1 U	0.66 J	1 U	1 U	1 U	1 U	1 U	1 U	0.8 U	1 U	1 U	1 U	0.9 J	1 U	3 U
DUP	12/20/07	4 J	1 U	1 UJ	1 U	1 U	1 U	0.8 J	1 U	0.69 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.84 J	1 U	3 U
	06/12/08	3.6 J	**5.2**	1 U	1 U	1 U	1.3	0.84 J	1 U	1.1	1 U	1 U	1.2	0.72 J	1 U	1 U	3.2	1 U	1 U	1 U	1 U	1 U	3 U
	12/29/08	14	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.8 J	1 U	1 U	3 U
	06/16/09	3 J	1 U	1 U	1 U	1 U	1 U	3.2	1 U	4.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	0.85 J	2 U
DUP	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	4.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	0.57 J	2 U
	01/07/10	10 U	1 UJ	1 U	1 U	1 U	10 U	1.1 UJ	1 U	1 U	1 UJ	1 U	1 U	10 U	1 UJ	1 U	2 U	1 UJ	1 U	1 U	1 UJ	1 U	3 U
	07/01/10	10 U	0.16	1 U	1 U	1 U	10 U	1 U	1 U	1.4	1 U	1 U	1 U	10 U	1 UJ	1 U	3.8	1 U	1 U	1 U	1 U	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	16.2	1 U	1 UR	1 U	1 U	10 UJ	1.3	1 U	3	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1 U	1.3	1 U	3 U
DUP	06/20/11	18.8 J	1 U	1 UR	1 U	1 U	10 UJ	1.2 J	1 U	3.4 J	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1 U	1.1 J	1 U	3 U
	12/15/11	24.8	1 U	1 UJ	1 U	1 U	10 U	1	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10.0 U	1 U	1 U	1 U	1 U	10 U	1.4	1 U	3.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	11/29/12	5.0 U	0.5 U	2 U	2 U	2 U	5 U	3.2	1 U	**6.1**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	2.4	1.1	1 U	1 U
	06/03/13	10.0 U	0.5 U	2 U	2 U	2 U	5 U	1.9	1 U	1.3	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.2	1 U	1 U
	12/23/13	10.0 UJ	0.5 U	2 U	2 U	2 U	5 U	1.1	1 U	1.5	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.49 J	1 U	1 U
DUP	12/23/13	10.0 UJ	0.5 U	2 U	2 U	2 U	5 U	1	1 U	1.5	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/04	10.0 U	0.5 U	2 U	2 U	2 U	5 U	0.85 J	1 U	3.0	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	0.84 J	1 U
DUP	05/27/14	10.0 U	0.5 U	2 U	2 U	2 U	5 U	0.79 J	1 U	3.0	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	0.9 J	1 U
	12/23/14	10.0 U	0.5 U	2 U	2 U	2 U	5 U	1.1	1 U	1.8	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	0.93 J	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-14	07/21/06	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	7.1	1 U	NA	1 U	NA	NA	NA	3 U
MW-17	06/02/04	5 U	0.73 J	1 U	1 U	1 U	1 U	0.45 J	0.96 J	**510 D**	3.6	1 U	1 U	1 U	1 U	8.4	1 U	1 U	1 U	0.58 J	**26**	**120 D**	3 U
	11/02/04	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**420**	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**26**	**98**	60 U
	06/01/05	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**1,700 D**	**7.2 J**	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**19 J**	**380**	60 U
	12/01/05	20 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	**400**	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	**15**	**61**	12 U
	07/20/06	5 U	1 U	1 U	1 U	1 U	1 U	0.58 J	1 U	**140 D**	1.1	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	0.62 J	**18**	**36**	3 U
	12/22/06	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**110**	1 U	1 U	1 U	1 U	1.6 J	1 U	1 U	1 U	1 U	1 U	**6**	**6.4**	3 U
	06/29/07	14	**1.1**	1 U	1 U	1 U	1 U	3.6	1 U	**4,500 D**	**11**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**9.8**	**620 D**	3 U
	12/20/07	6.2 J	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	**140**	2 U	2 U	2 U	2 U	1.7 U	2 U	2 U	2 U	2 U	2 U	**12**	2 U	6 U
	06/12/08	100 U	20 U	20 U	20 U	20 U	20 U	20 U	100 U	**1,700**	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**12 J**	**160**	60 U
	12/29/08	23	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	**160**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**17**	**19**	6 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1.1	1 U	0.87 J	**1,000 D**	3.8	1 U	1 U	5	1 U	1 U	0.62 J	1 U	1 U	1 U	**9.8**	**120 D**	2 U
	01/07/10	13.5	1 U	3 U	1 U	1 U	10 U	1 U	1 U	**216**	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.9	**44.4**	3 U
	03/31/10	12.8	1 U	**7.6**	1 U	1 U	10 U	1 U	1 U	**86.2**	1	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	4.9	**21.2**	3 U
	07/01/10	31	1 U	1 U	1 U	1 U	10 U	1 U	1 U	4.8	**7.4**	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	1 U	**9.0**	3 U
	09/21/10	43	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**2.1**	3 U
	12/16/10	13.3	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**17.8**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1.9	1 U	1.7	**3.3**	3 U
	03/28/11	16.3	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**6.7**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.9	1.0 U	3 U
	06/20/11	15.6 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	3.7 J	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	2.3 J	1 U	1 U	1.0 U	3 U
	10/03/11	12.5	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**6.3**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.1	1.1	3 U
	12/15/11	13.0	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	**21.0**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.5	**3.1**	3 U
	07/06/12	10.0 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.9	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1.0 U	3 U
	11/29/12	5.1 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.9	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.0	1 U
DUP	11/29/12	5.0 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.0	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.0 J	1 U
	06/03/13	10.0 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.3	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.83 J	1.0	1 U
	12/23/13	10.0 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.0 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.0 U	1 U
	05/27/14	10.0 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**9.8**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.9	2.0	1 U
	09/30/14	3.0 J	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.1	0.86 J	1 U	5 U	5 U	2 U	1 U	5 U	1 U	3.5 0	1 U	1 U	0.6 J	1 U
	12/22/14	10.0 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**306**	1.7	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	**35.4**	**16.9**	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-18 (d)	07/21/06	4 J	0.52 J	1 U	1 U	0.54 J	0.65 J	2.6	1 U	1.3	1.2	1.2	0.62 J	1.1	1 U	5.4	2	1 U	2	1 U	1.1	1.9	4.2
	12/22/06	12	**1.8**	1 U	4.7	1 U	1.2	**6.2**	1 U	1 U	1.2	**5.8**	0.9 J	1.6	1 U	1 U	**12**	1 U	**12**	1 U	1 U	**10**	**18**
	06/29/07	20	0.89 J	1 U	0.91 J	1 U	1.3	3.3	1 U	1 U	1.2	1.3	0.81 J	1.8	1 U	5	4.2 B	1 U	0.76 J	1 U	1 U	1 U	4.5
	12/20/07	4.2 J	**2.9**	1 UJ	1 U	**5.4**	2.4	**8.4**	1 U	1 U	1	**6.6**	1.5	2.5	1 U	0.56 J	3.6 B	1 U	**9.6**	1 U	1 U	**30**	**18**
	06/11/08	5 U	**1.3**	1 U	1 U	1.8	1.7	4.8	1 U	1 U	0.94 J	1.4	0.77 J	2	1 U	2.3	2.4	1 U	0.95 J	1 U	1 U	1 U	**5.1**
	12/29/08	19	0.79 J	1 U	1.2	1 U	1.2	3.5	1 U	1 U	1 U	0.84 J	1 U	1.4	1 U	1 U	1 U	1 U	2	1 U	1 U	**47**	1.6 J
	06/16/09	4.5 J	**1.8**	1 U	1 U	**7.1**	1.4	**6.2**	1 U	1 U	0.78 J	1 U	0.58 J	1.6	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1.1	1.2 J
	01/07/10	10 U	**1.9**	3.2 U	1 U	1 U	10 U	**6.3**	1 U	1 U	1 UJ	1.8	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**46.1**	3 U
	07/01/10	10 U	**1.7**	1 U	1 U	1 U	10 U	**6.6**	1 U	1 U	**6.8**	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	1 U	**7.4**	3 U
	12/17/10	10 U	**1.8**	1 U	3.6	1 U	10 U	**6.6**	1 U	1 U	1 U	1.2	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**16.4**	3 U
	06/20/11	16.8 J	**1.2 J**	1 UR	2.8 J	1 U	10 UJ	4.7 J	1 U	1 U	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	2.9 J	1 U	1 U	1 U	3 U
	12/15/11	17.8	**1.7**	1 UJ	3.6	1 U	10 U	**5.8**	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**3.8**	3 U
DUP	12/15/11	18.4	**1.7**	1 UJ	4	1 U	10 U	**6.4**	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**4.4**	3 U
	07/06/12	10.0 U	**1.6**	1 U	3	1 U	10 U	3.7	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
DUP	07/06/12	10.0 U	**1.4**	1 U	3.7	1 U	10 U	3.8	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	11/29/12	11.1 U	**1.4**	2 U	3.1	2 U	1.4 J	4.7	1 U	1 U	1 U	1 U	5 U	1.2 J	2 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U
	06/03/13	10.0 U	**1.3**	2 U	2.1	2 U	5 U	3.3	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	10.0 UJ	0.5 U	2 U	0.97 J	2 U	5 U	1.5	1 U	1 U	1 U	1 U	5 U	0.93 J	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10.0 UJ	0.92	2 U	2.2	2 U	5 U	2.4	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/14	10.0 U	**1.3**	2 U	2.9	2 U	1.6 J	2.5	1 U	1 U	1 U	1 U	5 U	1.5 J	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U
DUP	12/23/14	10.0 U	**1.4**	2 U	3.3	2 U	2.1 J	2.7	1 U	1 U	1 U	0.38 J	5 U	1.6 J	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-20	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	**7.5**	0.38 J	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	2	3.3	1.6	3 U
	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	3.3	1 U	**6.9**	0.46 J	1 U	1 U	1 U	1 U	9.8	1 U	1 U	1 U	1.8	4.2	1.8	3 U
DUP	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	**6.9**	0.45 J	1 U	1 U	1 U	1 U	9.5	1 U	1 U	1 U	1.9	4.5	1.8	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	**8.4**	0.4 J	1 U	1 U	1 U	1 U	5.6	1 U	1 U	1 U	2.7	**6.9**	**2.4**	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	**5.2**	1 U	1 U	1 U	1 UJ	1 U	8.5	1 UJ	1 U	1 U	2.4	**6.4**	0.47 J	3 U
	07/20/06	5 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	**5.2**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	**8.7**	0.66 J	3 U
	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1.7	1 U	**8.5**	1 U	1 U	1 U	1 U	1 U	0.99 J	1 U	1 U	1 U	4.2	**13**	1 U	3 U
DUP	12/22/06	11	1 U	1 U	1 U	1 U	1 U	1.7	1 U	**8.2**	1 U	1 U	1 U	1 U	1 U	0.93 J	1 U	1 U	1 U	3.8	**12**	1 U	3 U
	06/29/07	17	1 U	1 U	1 U	1 U	1 U	1.1	1 U	3.9	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	2.8	**9.9**	1 U	3 U
	12/20/07	4.4 J	1 U	1 UJ	1 U	1 U	1 U	1.2	1 U	4.8	1 U	1 U	1 U	1 U	1 U	**11**	1 U	1 U	1 U	2.9	**9.8**	1 U	3 U
	06/11/08	5 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	3.7	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	3.2	**9.9**	1 U	3 U
	12/29/08	35	1 U	1 U	1 U	1 U	1 U	1	1 U	2.4	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	2.3	**7.8**	1 U	3 U
	06/16/09	5.4	1 U	1 U	1 U	1 U	1 U	0.89 J	1 U	2.2	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	2.7	**9.7**	1 U	2 U
	01/07/10	10 U	1 U	2.8 U	1 U	1 U	10 U	1 U	1 U	2	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	2.5	**8.1**	1 U	3 U
DUP	01/07/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.2	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	2.4	**8.1**	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	2.2	**8.6**	1 U	3 U
DUP	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	2.2	**8.3**	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	2.4	**7.3**	1 U	3 U
DUP	12/17/10	18	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	2.3	**7.4**	1 U	3 U
	06/20/11	16.8 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1.4 J	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1.7 J	**6.6 J**	1 U	3 U
DUP	06/20/11	15.3 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1.1 J	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1.8 J	**7.2 J**	1 U	3 U
	12/15/11	20.3	1 U	1 UJ	1 U	1 U	10 U	1	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	2.4	**7.1**	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	2	**7.8**	1 U	3 U
	11/29/12	5.9 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	0.48 J	5 U	1 U	1 U	2.2	**7.2**	1 U	1 U
	06/04/13	7.0 J	0.5 U	2 U	2 U	2 U	5 U	0.82 J	1 U	0.71 J	1 U	1 U	5 U	5 U	2 U	3.9	5 U	1 U	1 U	1.8	**8.1**	1 U	1 U
DUP	06/04/13	5.3 J	0.5 U	2 U	2 U	2 U	5 U	0.81 J	1 U	0.69 J	1 U	1 U	5 U	5 U	2 U	3.9	5 U	1 U	1 U	1.9	**8.5**	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	0.70 J	1 U	0.6 J	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1.3	**6.4**	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	0.74 J	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	2	**7.5**	1 U	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	0.68 J	1 U	0.68 J	1 U	1 U	5 U	5 U	2 U	0.67 J	5 UJ	1 U	1 U	1.6	**6.4**	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-21	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	3.4	1 U	**87 D**	0.48 J	1 U	1 U	1 U	1 U	2.4	1 U	0.34 J	1 U	4.8	**100 D**	**12**	3 U
	11/02/04	20 U	4 U	4 U	4 U	4 U	4 U	3.4 J	4 U	**83**	4 U	4 U	4 U	4 U	4 U	7.8	4 U	4 U	4 U	4.3	**88**	4 U	12 U
	06/01/05	10 U	2 U	2 U	2 U	2 U	2 U	2.9	2 U	**72**	2 U	2 U	2 U	2 U	2 U	6	2 U	2 U	2 U	4.8	**59 D**	**4.4**	6 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	0.85 J	1 U	**18**	1 U	1 U	1 U	1 U	1 U	0.99 J	1 U	1 U	1 U	1.4	**20**	1 U	3 U
	07/20/06	5 U	1 U	1 U	1 U	0.8 J	1 U	1.6	1 U	**26**	1 U	1 U	1 U	1 U	1 U	4.6	1 U	1 U	1 U	2.8	**43**	0.56 J	3 U
	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1.3	1 U	**28**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	**56**	1 U	3 U
	06/29/07	15	1 U	1 U	1 U	1 U	1 U	1.8	1 U	**33**	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	2.8	**62**	**2.4**	3 U
	12/20/07	5.1	1 U	1 UJ	1 U	1 U	1 U	0.92 J	1 U	**17**	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1.7	**26**	1 U	3 U
	06/11/08	3.6 J	1 U	1 U	1 U	1 U	1 U	1.8	1 U	**29**	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	2.6	**67**	1	3 U
	12/29/08	35	1 U	1 U	1 U	1 U	1 U	1	1 U	**13**	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	2.2	**29**	1 U	3 U
DUP	12/29/08	28	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	**7.1**	1 U	1 U	1 U	1 U	0.54 J	2	1 U	1 U	1 U	0.66 J	**8.1**	1 U	3 U
	06/16/09	8.1	1 U	1 U	1 U	1 U	1 U	1.2	1 U	**15**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	**46**	1 U	2 U
	01/07/10	10	1 U	2.4	1 U	1 U	10 U	1	1 U	**15.4**	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1.9	**38.3**	1 U	3 U
DUP	01/07/10	13.6	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**15.5**	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1.8	**37.3**	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1.2	1 U	**11.8**	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	2	**47**	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**6**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1.7	**18.6**	1 U	3 U
	06/20/11	16.4 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	3.4 J	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1.1 J	**22.4 J**	1 U	3 U
	12/15/11	14.3	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	**6.8**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1.1	**40.6**	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1.1	1 U	**7.1**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1	**57.9**	1 U	3 U
	11/29/12	5.7 U	0.5 U	2 U	2 U	2 U	5 U	0.68 J	1 U	2.5	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1.3	**20.2**	1 U	1 U
	06/04/13	5.5 J	0.5 U	2 U	2 U	2 U	5 U	1	1 U	4.1	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**38.4**	1 U	1 U
DUP	06/04/13	5.8 J	0.5 U	2 U	2 U	2 U	5 U	1	1 U	4.1	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**38.9**	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	0.77 J	1 U	**5.9**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**48**	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	0.71 J	1 U	3.4	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1.1	**33.9**	1 U	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	0.72 J	1 U	2.3	1 U	1 U	5 U	5 U	2 U	0.41 J	5 UJ	1 U	1 U	1.1	**18.8**	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-22	06/02/04	20 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	**90**	**5.6**	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	**25**	4 U	12 U
	11/02/04	20 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	**110**	**8.6**	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	**33**	4 U	12 U
	06/01/05	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**70**	2.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**19**	2 U	6 U
	12/01/05	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**36**	1.8 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**13**	2 U	6 U
	07/19/06	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**41**	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**12**	1 U	3 U
	12/22/06	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**81**	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**18**	1 U	3 U
	06/29/07	11	1 U	0.54 J	1 U	1 U	1 U	1 U	1 U	**72**	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**15**	1 U	3 U
	12/20/07	4.4 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	**54**	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**10**	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**76**	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**11**	1 U	3 U
	12/29/08	17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**63**	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**11**	1 U	2 U
	01/07/10	10 U	1 U	2.9 U	1 U	1 U	10 U	1 U	1 U	**11.3**	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**8**	3 U
	03/31/10	14.4	1 U	**7.6**	1 U	1 U	10 U	1 U	1 U	4.1	1 U	1 U	1 U	10 U	3.6	1 U	2 U	1 U	1 U	1 U	1 U	1.8	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**18.2**	**8.4**	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	2.2	**9.6**	3 U
DUP	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**19.6**	**8.4**	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	2.4	**9.6**	3 U
	09/21/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**18.3**	2.5	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.5	**8.9**	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**15.2**	3.2	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.1	**5.8**	3 U
	03/28/11	13.2	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.4	1.2	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	20 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	**5.6 J**	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1.3 J	1.6 J	3 U
	10/03/11	20.2	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**5.8**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.5	1 U	3 U
DUP	10/03/11	23.4	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**5.4**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.6	1 U	3 U
	12/15/11	14.4	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	**6.3**	1.5	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.4	**2.6**	3 U
	07/06/12	10.0 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**10**	1.3	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.6	**4.4**	3 U
	11/29/12	5.0 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**21.2**	2.3	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1	**6.5**	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	4.5	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.7 J	0.69 J	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**13.7**	1.5	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	**5.8**	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**17.4**	0.9 J	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	**2.9**	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-23	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**22**	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1.7	1 U
	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**23**	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	**2.6**	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**13**	0.76 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	2	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**8**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.86 J	0.77 J	3 U
	07/19/06	4.6 J	1 U	1 U	1 U	0.7 J	1 U	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.62 J	1 U	3 U
	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.91 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/29/07	14	1 U	0.8 BJ	1 U	1 U	1 U	1 U	1 U	3.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	3 U
	12/20/07	4.4 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	3 U
	12/29/08	28	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.98 J	1 U	2 U
	01/07/10	10 U	1 U	3.1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	3.3	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	2.5	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	16.2 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	11.7	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	4	1 U	3 U
	11/29/12	5.0 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.9	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	3.1	1 U	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-24	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.75 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 J	1 U	1 U
	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	0.47 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.33 J	1.2	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	0.32 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 J	1 U	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.77 J	0.62 J	3 U
	07/18/06	5 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	0.67 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.69 J	1 U	3 U
	12/22/06	9.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/29/07	14	1 U	0.66 BJ	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	3 U
	12/20/07	3.9 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	3 U
	12/29/08	29	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.68 J	1 U	3 U
	06/16/09	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**9.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.8**	**2.9**	2 U
	01/07/10	10 U	1 U	3.1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**5.3**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.1	**2.6**	3 U
	12/17/10	22.9	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	18.4 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	2.4 J	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	15.6	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	4.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1	1.3	3 U
	11/29/12	5.0 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**7.2**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.1	**2.7 J**	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	5.0	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	0.91 J	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	3.1	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	0.56 J	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-25	06/02/04	5 U	0.35 J	1 U	1 U	1 U	2.3	1 U	1 U	**7.6**	0.44 J	1 U	**6.1**	3	1 U	1 U	1 U	1 U	1 U	1 U	1	**3.6**	**7.8**
	11/02/04	5 U	0.68 J	1 U	1 U	1 U	1.4	1 U	0.24 J	**26**	1.7	3.1	2.7	3.6	1 U	0.64 J	2.7	1 U	0.43 J	1 U	0.27 J	**19**	1.3 J
	06/01/05	5 U	0.4 J	1 U	1 U	1 U	1.5	1 U	0.2 J	**26**	0.86 J	3.8	2.8	2.9	1 U	1 U	5.4	1 U	1 U	1 U	0.7 J	**15**	2 J
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**29**	0.98 J	0.5 J	0.64 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.58 J	**14**	3 U
	07/20/06	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.5**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**3.7**	3 U
	12/22/06	9.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**8.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**5.4**	3 U
	06/29/07	14	1 U	0.63 BJ	1 U	1 U	1 U	1 U	1 U	**41**	0.94 J	1 U	0.76 J	0.57 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**26**	3 U
	12/20/07	6.2	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0.92 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.57 J	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**41**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**29**	3 U
	12/29/08	38	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0.68 J	**100 D**	1.3	1 U	1 U	0.95 J	1 U	1 U	1 U	1 U	1 U	1 U	**5.5**	**45**	2 U
	01/07/10	10 U	1 U	2.5 U	1 U	1 U	10 U	1 U	1 U	**19.8**	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**8.8**	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**48.1**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**34.9**	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.6	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	12.2 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	**15.9 J**	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	**7.6 J**	3 U
	12/15/11	10 U	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	**7.1**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1.9	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**51.2**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**27.5**	3 U
	11/29/12	5.5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**65.9**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	**37.4 J**	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**15.2**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.9	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.6	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**18.8**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.5	**7.8**	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.1	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-26	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1	1 U	**49 D**	4.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1.4	3 U
	11/02/04	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**60**	**5.6**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.4 J	2	6 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**39 D**	2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.7	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**43**	3.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.54 J	1	3 U
	07/19/06	3 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**37**	3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 J	1	3 U
	12/22/06	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/29/07	15	1 U	0.63 BJ	1 U	1 U	1 U	1 U	1 U	0.83 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/20/07	4.6 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	3 U
	12/29/08	27	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.78 J	2 U
	01/07/10	10 U	1 U	3 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	12.9 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	15	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-27	06/01/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.3**	3 U
DUP	06/01/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.9**	3 U
	11/01/04	4.8 J	0.44 J	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.6**	3 U
	06/01/05	5 U	0.3 J	1 U	1 U	1 U	1 U	1 U	1	**9.7**	0.4 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**8.8**	**12**	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.59 J	1	3 U
	07/19/06	6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**14**	1 U	3 U
	12/22/06	9.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/29/07	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/20/07	8.1	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/29/08	29	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/16/09	5.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.87 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.93 J	1 U	2 U
	01/07/10	10 U	1 U	2.8 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/17/10	12.7	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	16.4 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	12.7	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.5	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.5 J	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-29	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	3 U
	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.46 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.7 J	1 U	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.9 J	1 U	3 U
	07/19/06	7.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	3 U
	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.59 J	1 U	3 U
	06/29/07	14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.64 J	1 U	3 U
	12/20/07	4.9 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.79 J	1 U	3 U
	06/12/08	3.1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	0.55 J	1 U	3 U
	06/16/09	2.5 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.57 J	1 U	2 U
	01/07/10	10 U	1 U	2.9 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/17/10	23.9	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	14.7 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	17.1	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	0.91 J	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.2	1 U	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.2	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	2	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	0.48 J	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-30	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.0**	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	3.3	1 U	3 U
	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.44 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.42 J	1 U	3 U
	07/18/06	5 U	1 U	1 U	1 U	0.61 J	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	3 U
	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.61 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.56 J	1 U	3 U
	06/29/07	16	1 U	0.7 BJ	1 U	1 U	1 U	1 U	1 U	0.79 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.62 J	1 U	3 U
	12/20/07	6.3	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/29/08	33	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.68 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 J	1 U	2 U
	01/07/10	10.8	1 U	2.6 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	17.5 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1.9 J	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	13.6	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	11/29/12	7.1 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.1	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.94 J	1 U	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	3.5	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.85 J	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-31	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**99**	**8.2**	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	**48**	1 U	3 U
	07/19/06	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**96**	**7**	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	**34**	1 U	3 U
	12/22/06	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**120 D**	**7.7**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**40**	1 U	3 U
	06/29/07	9.8 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**92**	**7.8**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**32**	2 U	6 U
	12/20/07	4.6 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	**91**	**6**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**33**	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**93 D**	**5.5**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**28**	1 U	3 U
	12/29/08	24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**40**	1.1	1 U	1 U	1 U	1 U	0.55 J	1 U	1 U	1 U	1 U	**10**	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**89**	**5.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**24**	1 U	2 U
	01/07/10	10 U	1 U	2.7 U	1 U	1 U	10 U	1 U	1 U	**104**	1 UJ	1 U	1 U	10 U	1 U	1	2 U	1 U	1 U	1 U	**18.7**	1 U	3 U
	03/31/10	10.4	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**30**	1.3	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	3	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**108**	**11.1**	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	**6.2**	1 U	3 U
	09/21/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**99.4**	4.4	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	4.6	1.2	3 U
	12/16/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**43.4**	2	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.5	1 U	3 U
	03/28/11	14	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**5.2**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	18.6 J	**2.5 J**	1 UR	1 U	1 U	10 UJ	1 U	1 U	**76.8 J**	4 J	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	2.4 J	1.8 J	3 U
	10/03/11	17.2	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**40.3**	2.1	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.9	**2.2**	3 U
	12/15/11	15.6	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	**96.1**	3.9	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.3	**3.2**	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**74.3**	3.7	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	4.5	1 U	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	0.48 J	**88.6**	3.8	1 U	5 U	5 U	2 U	2.4	5 U	0.49 J	1 U	1 U	2.5	**2.2**	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**81.2**	2.7	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	2.1	0.78 J	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**41.8**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**54.9**	2.3	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.5	**2.4**	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**56.8**	1.8	1 U	5 U	5 U	2 U	0.32 J	5 UJ	1 U	1 U	1 U	0.81 J	1.2	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-32	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**91**	**5.7**	1 U	1 U	1 UJ	1 U	2.5	1 UJ	1 U	1 U	1 U	**75**	1 U	3 U
	07/20/06	5 U	1 U	1 U	1 U	0.93 J	1 U	1 U	1 U	**91**	**6.7**	1 U	1 U	1 U	1 U	0.98 J	1 U	1 U	1 U	1 U	**80**	1 U	3 U
DUP	07/20/06	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**86**	**6**	1 U	1 U	1 U	1 U	0.9 J	1 U	1 U	1 U	1 U	**74**	1 U	3 U
	12/22/06	9.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**84**	**5.7**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**71**	1 U	3 U
	06/29/07	14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**80**	**6.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**68**	1 U	3 U
	12/20/07	6.3	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	**7.9**	1 U	1 U	1 U	1 U	1 U	0.75 J	1 U	1 U	1 U	1 U	**11**	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**89**	**5.8**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**65**	1 U	3 U
	12/29/08	27	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 UJ	1 U	1 U	0.36 J	1 U	1 U	1 U	1 U	3.5	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**69**	4.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**57**	1 U	2 U
	01/07/10	10 U	1 U	2.6 U	1 U	1 U	10 U	1 U	1 U	**99**	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	**6.9**	1.8	3 U
	03/31/10	10.1	1 U	**8.5**	1 U	1 U	10 U	1 U	1 U	**30.2**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.1	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**136**	**10.3**	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	1 U	**3.4**	3 U
	09/21/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**13.1**	4	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**14**	3 U
DUP	09/21/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**12.7**	4.1	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**13.7**	3 U
	12/17/10	10.3	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.8	1.9	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**2.4**	3 U
	03/28/11	16.7	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1.5	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	16.7 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	**38.8 J**	3.4 J	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	**9.5 J**	**12.1 J**	3 U
	10/03/11	19.8	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	10 U	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	**46**	3.3	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.6	**13.7**	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**79.9**	3.4	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1	**11.7**	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**67.3**	2.9	1 U	5 U	5 U	2 U	0.47 J	5 U	1 U	1 U	1 U	1 U	**13.4**	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**32.4**	1.1	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	**4.7**	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**12**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.5	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**38.4**	1.5	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.51 J	**14.4**	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**7.8**	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-33	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**7**	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 U	3.1	1 U	3 U
	07/19/06	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**23**	0.79 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**10**	1 U	3 U
DUP	07/19/06	3.3 J	1 U	1 U	1 U	0.96 J	1 U	1 U	1 U	**24**	0.68 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**10**	1 U	3 U
	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**13**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6**	1 U	3 U
	06/29/07	14	1 U	0.51 J	1 U	1 U	1 U	1 U	1 U	**18**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**8.3**	1 U	3 U
	12/20/07	5	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	**9**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**19**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.5**	1 U	3 U
	12/29/08	33	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.4**	0.41 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.5	1 U	3 U
	06/16/09	4 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**16**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6**	1 U	2 U
	01/07/10	10	1 U	2.7 U	1 U	1 U	10 U	1 U	1 U	**19.5**	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	3	1 U	3 U
	03/31/10	11.5	1 U	**7.3**	1 U	1 U	10 U	1 U	1 U	2.5	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**11.5**	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	3.2	1 U	3 U
	09/21/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**8.3**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.9	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.6	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.1	1 U	3 U
	03/28/11	13.3	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	22.5 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	2.5 J	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1 U	1.8 J	1 U	3 U
	10/03/11	17.1	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	13.7	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	2.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**5.8**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.8	1 U	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.9	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.2	1 U	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	3.1	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.9	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 UJ	1 U
DUP	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.5	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.4	1 U	1 U
DUP	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.0 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.4	1 U	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.3	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1.5	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-34	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	0.82 J	1 U	**110 D**	0.67 J	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1.1	**16**	**63**	3 U
	07/20/06	6.9	1 U	1 U	1 U	1 U	1 U	1.4	1 U	**51**	1 U	1 U	1 U	1 U	1 U	4.7	1 U	1 U	1 U	1.2	**12**	**16**	3 U
	12/22/06	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**84**	0.7 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.7 J	**8.3**	**40**	3 U
DUP	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1	1 U	**81**	0.76 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.88 J	**9.9**	**42**	3 U
	06/29/07	15	1 U	1 U	1 U	1 U	1 U	0.75 J	1 U	**98**	0.79 J	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	0.6 J	**7.9**	**34**	3 U
DUP	06/29/07	17	1 U	1 U	1 U	1 U	1 U	0.78 J	1 U	**98**	0.72 J	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	0.61 J	**7.5**	**32**	3 U
	12/20/07	6.1	1 U	1 UJ	1 U	1 U	1 U	0.55 J	1 U	**100 D**	0.59 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.74 J	**7.8**	**55**	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	0.75 J	1 U	**140 D**	0.97 J	1 U	1 U	1 U	1 U	0.83 J	1 U	1 U	1 U	0.6 J	**7**	**78**	3 U
DUP	06/12/08	2.7 J	1 U	1 U	1 U	1 U	1 U	0.55 J	1 U	**160 D**	0.96 J	1 U	1 U	1 U	1 U	0.83 J	1 U	1 U	1 U	0.58 J	**6.5**	**69**	3 U
	12/29/08	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**41**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**11**	**8.8**	3 U
	06/16/09	3.1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**100 D**	0.7 J	1 U	1 U	1 U	1 U	0.41 J	1 U	1 U	1 U	0.42 J	**7.3**	**52**	2 U
	01/07/10	10 U	1 U	1 U	1 U	1 U	10 U	1.2	1 U	**13.3**	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**16.1**	3 U
	03/31/10	10.1	1 U	**7.4**	1 U	1 U	10 U	1 U	1 U	1.9	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1.1	3 U
DUP	03/31/10	11.2	1 U	**7.1**	1 U	1 U	10 U	1 U	1 U	1.8	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1.2	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.1	**7.2**	1 U	1 U	10 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	3 U
	09/21/10	18.8	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	03/28/11	13.7	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	19.5 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	**3.2 J**	3 U
	10/03/11	26.8	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	17.9	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
DUP	12/15/11	19.2	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	**2.6**	3 U
	11/29/12	7.4 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	06/04/13	3.5 J	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.64 J	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	0.39 J	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	**3.1**	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Sample ID	Date	Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Volatile Organic Compounds (µg/l):																							
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
MW-35	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	4.4	1 U	**5.7**	1 U	1 U	1 U	1 UJ	1 U	**28**	1 UJ	1 U	1 U	2.4	**5.7**	2	1.1 BJ
DUP	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	4.3	1 U	**5.9**	1 U	1 U	1 U	1 UJ	1 U	**28**	1 UJ	1 U	1 U	2.3	**5.6**	1.7	3 U
	07/20/06	5 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	2.2	1 U	1 U	1 U	1 U	1 U	**12**	1 U	1 U	1 U	1.4	4.3	1 U	3 U
	12/22/06	9.2	1 U	1 U	1 U	1 U	1 U	2.2	1 U	3.5	1 U	1 U	1 U	1 U	1 U	0.7 J	1 U	1 U	1 U	1.1	4.2	1	3 U
	06/29/07	16	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1.2	1 U	1 U	1 U	1 U	1 U	6.7	1 U	1 U	1 U	0.87 J	3.1	1 U	3 U
	12/20/07	5.2	1 U	1 UJ	1 U	1 U	1 U	3.6	1 U	3.2	1 U	1 U	1 U	1 U	1 U	9.4	1 U	1 U	1 U	1.1	3.8	0.63 J	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	3.9	1 U	1 U	1 U	1 U	1 U	5.2	1 U	1 U	1 U	0.82 J	3.4	0.66 J	3 U
	12/29/08	31	1 U	1 U	1 U	1 U	1 U	1.9	1 U	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	3 U
	06/16/09	4.6 J	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1.8	1 U	1 U	1 U	1 U	1 U	0.75 J	1 U	1 U	1 U	0.64 J	3.4	1 U	2 U
	01/07/10	10 U	1 U	2.8 U	1 U	1 U	10 U	1.4	1 U	4.9	1 UJ	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	3.5	1 U	3 U
	03/31/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.9	1 U	3 U
	07/01/10	12.8 J	1 U	1 U	1 U	1 U	10 U	1.3	1 U	3.9	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	3.4	1 U	3 U
	09/21/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.7	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	3.8	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.5	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.9	1 U	3 U
	03/28/11	17.9	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1	1 U	3 U
	06/20/11	21.5 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	3 J	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1 U	3.2 J	1 U	3 U
	10/03/11	19	1 U	1 U	1 U	1 U	10 U	1.2	1 U	1.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.9	1 U	3 U
	12/15/11	20.6	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	2.7	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.9	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.8	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	2.9	1 U	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.3	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	3	1 U	1 U
	06/04/13	10 U	0.5 U	2 U	2 U	2 U	5 U	0.54 J	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	2.3	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.65 J	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.4	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	0.47 J	2.1	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-36	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	**6.6**	1 U	1 U	1 U	1 UJ	1 U	**26**	1 UJ	0.45 J	1 U	**5.3**	**13**	1.8	3 U
	07/20/06	5 U	1 U	1	1 U	1 U	1 U	1.8	1 U	3.7	1 U	1 U	1 U	1 U	1 U	**14**	1 U	1 U	1 U	2.8	**9.6**	1 U	3 U
	12/22/06	8.4	1 U	1 U	1 U	1 U	1 U	2.4	0.55 J	**5.4**	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	4.1	**12**	0.84 J	3 U
	06/29/07	15	1 U	1 U	1 U	1 U	1 U	1.7	1 U	3.2	1 U	1 U	1 U	1 U	1 U	6.6	1 U	1 U	1 U	2.7	**9.2**	0.94 J	3 U
	12/20/07	4.6 J	1 U	1 U	1 U	1 U	1 U	2.5	1 U	4.5	1 U	1 U	1 U	1 U	1 U	10	1 U	1 U	1 U	3.5	**11**	0.52 J	3 U
DUP	12/20/07	6.7	1 U	1 UJ	1 U	1 U	1 U	2.4	1 U	4.5	1 U	1 U	1 U	1 U	1 U	**11**	1 U	1 U	1 U	3.7	**11**	0.6 J	3 U
	06/12/08	2.7 J	1 U	1 U	1 U	1 U	1 U	1.9	1 U	2.6	1 U	1 U	1 U	1 U	1 U	4.6	1 U	1 u	1 U	2.3	**8.2**	0.78 J	3 U
DUP	06/12/08	9.1	1 U	1 U	1 U	1 U	1 U	2.4	1 U	3.2	1 U	1 U	1 U	1 U	1 U	5.1	1 U	1 u	1 U	2.6	**8.4**	0.91 J	3 U
	12/29/08	41	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.99 J	**7.4**	1 U	3 U
	06/16/09	3.4 J	1 U	1 U	1 U	1 U	1 U	1.5	1 U	2.7	1 U	1 U	1 U	1 U	1 U	0.65 J	1 U	1 U	1 U	2.2	**9.4**	0.88 J	2 U
	01/07/10	10.5	1 U	1 U	1 U	1 U	10 U	1.2	1 U	2.5	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	2.5	**8.5**	1 U	3 U
	03/31/10	10.5	1 U	**7.1**	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	24.2 J	1 U	1 U	1 U	1 U	10 U	1.1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1.7	**7.1**	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	03/28/11	17	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	18.1 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1.5 J	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	2.2 J	**6.6 J**	1 U	3 U
	10/03/11	21.2	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	25.7	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1.4	2.9	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.7	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1.7	**7.4**	1 U	3 U
	11/29/12	6.3 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	0.74 J	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	2.4	**6.6**	1 U	1 U
	06/04/13	6.6 J	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.2	1 U	1 U
	05/27/14	10 UJ	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1	4.1	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-37	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**50**	2.4	1 U	1 U	1 U	1 U	0.51 J	1 U	1 U	1 U	1 U	**81**	1 U	3 U
	07/20/06	5 U	1 U	2.9	1 U	1 U	1 U	1 U	1 U	**74**	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**200 D**	1.4	3 U
	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**51**	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**63**	1 U	3 U
	06/29/07	14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**43**	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**160**	1 U	3 U
DUP	06/29/07	15	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**45**	1 J	2 U	2 U	1.4 J	2 U	2 U	2 U	2 U	2 U	2 U	**160**	2 U	6 U
	12/20/07	5.2	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	**47**	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**59**	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**38**	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**65**	1 U	3 U
	12/29/08	33	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**57**	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**230 DJ**	1 U	3 U
	06/16/09	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**45**	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**160 D**	1 U	2 U
	01/07/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**46.5**	1.8	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	**38.9**	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**50.6**	**7.2**	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	**213**	1 U	3 U
	12/17/10	11.1	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**27.7**	1.7	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	**100**	1 U	3 U
	06/20/11	13.9 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	**21.6 J**	1 J	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	**116 J**	1 U	3 U
	12/15/11	19.8	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	**12.2**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	**53.2**	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**7.6**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	**40.7**	1 U	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**7**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**47.2**	1 U	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**9.9**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**29.1**	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**6.3**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**38.9**	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**8.6**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	**43.6**	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**8.5**	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	**37.1**	1 U	1 U
DUP	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**8.4**	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	**37.5**	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-38	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	0.54 J	1 U	1 U	1 U	1 U	1 U	**35**	1 U	1 U	1 U	**6**	**19**	1 U	3 U
	07/20/06	5 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	0.54 J	1 U	1 U	1 U	1 U	1 U	8	1 U	0.61 J	1 U	**5.4**	**20**	1 U	3 U
	12/22/06	11	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	0.52 J	1 U	4.6	**15**	1 U	3 U
	06/29/07	14	1 U	1 U	1 U	1 U	1 U	1	1 U	0.63 J	1 U	1 U	1 U	1 U	1 U	4	1 U	0.66 J	1 U	**5.7**	**20**	1 U	3 U
	12/20/07	5.8	1 U	1 UJ	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**19**	1 U	0.66 J	1 U	4.9	**16**	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	0.59 J	1 U	1 U	1 U	1 U	1 U	5.8	1 U	0.57 J	1 U	**5.1**	**17**	1 U	3 U
	12/29/08	34	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.2	1 U	1 U	1 U	2.2	4.4	1 U	3 U
	06/16/09	5.5	1 U	1 U	1 U	1 U	1 U	0.89 J	1 U	0.45 J	1 U	1 U	1 U	1 U	1 U	2.6	1 U	0.57 J	1 U	3.7	**15**	1 U	2 U
	01/07/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	4	**14**	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	3.4	**14.6**	1 U	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	3.1	**10.4**	1 U	3 U
	06/20/11	14.3 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	3.1 J	**11 J**	1 U	3 U
	12/15/11	21.4	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	2.7	**7.8**	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	2.7	**9.6**	1 U	3 U
	11/29/12	5.1 U	0.5 U	2 U	2 U	2 U	5 U	0.66 J	1 U	1 U	1 U	1 U	5 U	5 U	2 U	0.61 J	5 U	0.53 J	1 U	4.1	**12.6**	1 U	1 U
	06/04/13	6.2 J	0.5 U	2 U	2 U	2 U	5 U	0.62 J	1 U	1 U	1 U	1 U	5 U	5 U	2 U	3.8	5 U	1 U	1 U	2.9	**13.7**	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1.5	**7.2**	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	0.54 J	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	2.6	**7.7**	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	0.35 J	1 U	1 U	1 U	1 U	5 U	5 U	2 U	0.41 J	5 UJ	1 U	1 U	2.3	4	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
MW-39	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	5.4	1 UJ	1 U	1 U	2.8	4	1 U	3 U
	07/20/06	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.53 J	1 U	1 U	1 U	2.4	4.1	1 U	3 U
	12/22/06	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	3.6	1 U	3 U
	06/29/07	17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	3.5	1 U	3 U
	12/20/07	4 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	2.1	3.5	1 U	3 U
	06/12/08	3.2 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	2	2.9	1 U	3 U
	12/29/08	34	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	2.8	1 U	3 U
	06/16/09	4.4 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	3.3	1 U	2 U
	01/07/10	13.6	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1.9	3	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1.6	3.1	1 U	3 U
	12/17/10	10.7	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1.9	3	1 U	3 U
	06/20/11	19 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 UJ	1 U	1 UJ	2 U	1 U	1 U	1.9 J	3 J	1 U	3 U
	12/15/11	15.8	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	2.3	2.8	1 U	3 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
P-3	06/02/04	5 U	0.34 J	1 U	1 U	1 U	1 U	1 U	1 U	**13**	0.32 J	1 U	1 U	1 U	1 U	0.6 J	1 U	1 U	1 U	1 U	**8.5**	**2.2**	3 U
	11/02/04	5 U	0.34 J	1 U	1 U	1 U	1 U	1 U	1 U	**15**	0.44 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**11**	**5**	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**9.8**	0.3 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**7**	**2.9**	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**13**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.8**	**3.2**	3 U
	07/20/06	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**18**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.9**	**10**	3 U
	12/22/06	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	3 U
	06/29/07	23	1 U	0.71 BJ	1 U	1 U	1 U	1 U	1 U	0.84 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	3 U
	12/20/07	5.4	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	3 U
	12/29/08	28	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.95 J	1 U	2 U
	01/07/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	9.4 UJ	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	03/31/10	10 U	1 U	**7**	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**5.5**	4.9	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1	3 U
	09/21/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**5.8**	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	4.8	1.2	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
DUP	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	03/28/11	17	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
DUP	03/28/11	15.7	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	17.7 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	10/03/11	12.3	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	12.4	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	9.1 J	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	0.86 J	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	0.72 J	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Sample ID	Date	Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Volatile Organic Compounds (µg/l):																							
Evaluation Criteria (b):		50	1	5	5	5	(c)	5	5	5	5	5	5	(c)	5	10	10	5	5	5	5	2	5
P-8	06/02/04	120 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	830	25 U	25 U	25 U	25 U	25 U	25 U	1 U	1 U	1 U	1 U	320	25	75 U
	11/02/04	120 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	730	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	260	27	75 U
	06/01/05	120 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	700	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	230	37	75 U
	12/01/05	120 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	1,400	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	680	16 J	75 U
	07/21/06	5 U	0.66 J	1 U	1 U	1	1 U	1 U	1 U	840 D	4.8	1 U	1 U	1 U	1 U	1.4	1 U	0.64 J	1 U	1 U	260 D	210 D	3 U
	12/22/06	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1,700 D	10 U	10 U	10 U	10 U	8.1 J	10 U	10 U	10 U	10 U	10 U	860	5 J	30 U
	06/29/07	50 U	10 U	6.4 BJ	10 U	10 U	10 U	10 U	10 U	900	6.6 J	10 U	10 U	10 U	12 B	10 U	10 U	10 U	10 U	10 U	210	9.3 J	30 U
	12/20/07	100 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U	1,400	20 U	20 U	20 U	20 U	32	20 U	20 U	20 U	20 U	20 U	460	20 U	60 U
	06/12/08	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	1,200	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	260	20 U	60 U
	12/29/08	27	5 U	5 U	5 U	5 U	5 U	5 U	5 U	360	2.6 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	220	5 U	15 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	600 D	6.4	1 U	1 U	0.85 J	1 U	1 U	1 U	0.9 J	1 U	1 U	200 D	4.9	2 U
	01/07/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	224	1.5	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	259	1.8	3 U
	03/31/10	10 U	1 U	7.4	1 U	1 U	10 U	1 U	1 U	75.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	359	1.8	3 U
	07/01/10	12.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	381	7.3	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	318	8.2	3 U
	09/21/10	16.1	1 U	1 U	1 U	1 U	10 U	1 U	1 U	572	2.5	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	8.3	49.3	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1,010	3.9	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	284	50.9	3 U
	03/28/11	13.5	1 U	1 U	1 U	1 U	10 U	1 U	1 U	774	2.6	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	211	40.4	3 U
	06/20/11	15.3 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	901 J	4 J	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	38.7 J	52.8 J	3 U
	10/03/11	12.9	1 U	1 U	1 U	1 U	10 U	1 U	1 U	776	3.5	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	84.6	37	3 U
	12/15/11	12.7	1 U	1 UJ	1 U	1 U	10 U	1 U	1.3	1,430	6.5	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	386	31.6	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1,310	5.2	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	3.4	66	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	536	1.2	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	15.4	87.8	1 U
DUP	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	524	1.1	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	15.1	87.6	1 U
	06/03/13	4.1 J	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	205	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	279	3	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	202	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	193	0.93 J	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	390	0.82 J	1 U	5 U	5 U	2 U	1 U	5 U	1.2 J	1 U	1 U	380	4.3	1 U
	09/30/14	9.3 J	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	72	2.7	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	114	1 U
	12/22/14	11.9	0.5 U	2 U	2 U	2 U	5 U	1 U	0.88 J	1,340	3.9	1 U	5 U	0.59 J	2 U	1 U	5 UJ	1 U	1 U	1 U	55.8	116	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
P-10	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**14**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.38 J	**5.1**	1 U	3 U
	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**18**	0.35 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.3 J	4.2	1 U	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**20**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.3 J	3.5	0.6 J	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**16**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.3	1 U	3 U
	07/19/06	2.5 J	1 U	1 U	1 U	0.71 J	1 U	1 U	1 U	**15**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**5.5**	1 U	3 U
	12/22/06	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.95 J	1 U	3 U
	06/29/07	25	1 U	0.52 BJ	1 U	1 U	1 U	1 U	1 U	**8.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.1	1 U	3 U
	12/20/07	4.5 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0.56 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.6	1 U	3 U
	12/29/08	29	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.53 J	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	3 U
	06/16/09	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	2 U
	01/07/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	**5.6**	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	2.9	1 U	3 U
	12/17/10	11.7	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/20/11	15.3 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1.1 J	1 U	3 U
	12/15/11	12.9	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1.3	1 U	3 U
	11/29/12	5.1 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	**5.9**	1 U	1 U	5 U	5 U	2 U	1 U	5 U	0.69 J	1 U	1 U	1.5	1 U	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1.2	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1.3	1 U	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	0.54 J	1 U	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	0.64 J	1 U	1 U

Table 4

Historical Groundwater Sampling Results
Former General Instrument Corporation Site
Sherburne, New York (a)

Volatile Organic Compounds (µg/l):		Acetone	Benzene	Bromomethane	Chloroethane	Chloromethane	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylcyclohexane	Methylene chloride	Methyl tert butyl ether	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene (total)
Evaluation Criteria (b):		**50**	**1**	**5**	**5**	**5**	**(c)**	**5**	**5**	**5**	**5**	**5**	**5**	**(c)**	**5**	**10**	**10**	**5**	**5**	**5**	**5**	**2**	**5**
Sample ID	**Date**																						
P-11	06/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**14**	0.6 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.9 J	1.3	3 U
	11/02/04	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**11**	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.29 J	**3.5**	3 U
	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**10**	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.3 J	**5.6**	3 U
DUP	06/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**10**	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.3 J	**5.6**	3 U
	12/01/05	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**12**	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.3 J	**7.4**	3 U
	07/19/06	2.8 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**8.5**	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**5.1**	3 U
	12/22/06	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/29/07	14	1 U	0.78 J	1 U	1 U	1 U	1 U	1 U	1.6	0.73 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	3 U
	12/20/07	4.7 J	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U
	06/12/08	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	0.83 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	3 U
	12/29/08	34	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	3 U
	06/16/09	5.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	2 U
	01/07/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	4.2	1 U	1 U	1 U	10 U	1 UJ	1 U	2 U	1 U	1 U	1 U	1 U	**2.3**	3 U
	07/01/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.7	**7.0**	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1.9	3 U
	12/17/10	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	2.1	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1.2	3 U
	06/20/11	14.5 J	1 U	1 UR	1 U	1 U	10 UJ	1 U	1 U	3.5 J	1 U	1 U	1 U	10 U	1 U	1 UJ	2 U	1 U	1 U	1 U	1 U	1 U	3 U
	12/15/11	12.5	1 U	1 UJ	1 U	1 U	10 U	1 U	1 U	1.7	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1.7	3 U
	07/06/12	10 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1.3	1 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1.4	3 U
	11/29/12	5 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.3	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.1	1 U
	06/03/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	2.1	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.2	1 U
	12/23/13	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1.3	1 U
	05/27/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	0.65 J	1 U
	12/23/14	10 U	0.5 U	2 U	2 U	2 U	5 U	1 U	1 U	3	1 U	1 U	5 U	5 U	2 U	1 U	5 UJ	1 U	1 U	1 U	1 U	**2.4**	1 U

a/ All results are reported in micrograms per liter (µg/l). Concentrations highlighted in Bold text and gray shading exceed evaluation criteria; U = compound not detected at or above the reporting limit; J = estimated value; UJ = D = compound identified in analysis at the secondary dilution factor; B = blank contamination; NA = not analyzed.

b/ Evaluation criteria are the New York State Ambient Water Quality Standards or Guidance Values for Class GA groundwater provided in the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, and the April 2000 Addendum.

c/ No standard or guidance value for groundwater is available for this substance.

d/ MW-18 was not sampled due to the presence of free-phase product from June 2004 through December 2005. In July 2006 and June 2007, free-phase petroleum product was removed from the well with a bailer before sampling. In December 2006, and December 2007 through to the current reporting period, no measurable free-phase product slick was present.

e/ All duplicates were originally designated with unique sample identifications in the field for blind laboratory analysis.

Table 5

Quarterly VOC Results
P-8 Supplemental Remediation Performance Monitoring
Former General Instrument Corporation Site
Sherburne, New York (a)

Well ID:		**P-8**			**MW-17**			
Sampling Event:		**Baseline**	**Quarterly Performance Monitoring**		**Baseline**	**Quarterly Performance Monitoring**		
Sample ID:	**Evaluation**	P-8	P-8	P-8	MW-17	MW-17	MW-170 (c)	MW-17
Date:	**Criteria (b)**	5/27/14	9/30/14	12/23/14	5/28/14	9/30/14	9/30/14	12/23/13
VOCs (µg/l)								
Acetone	50	10.0 U	9.3 J	11.9	10.0 U	3.0 J	10.0 U	10.0 U
2-Butanone (MEK)	50	5.0 U	**53.9**	41.2	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	60	5.0 U	5.0 U	2.6 J	5.0 U	5.0 U	5.0 U	1.0 J
1,1-Dichloroethene	5	1.0 U	1.0 U	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	**390**	**72**	**1,340**	**9.8**	2.1	2.1	**306**
trans-1,2-Dichloroethene	5	0.82 J	2.7	3.9	1.00 U	0.86 J	0.84 J	1.7
Methylcyclohexane	-	5.0 U	5.0 U	0.6 J	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5	1.2 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	3.5	3.4	1.0 U
Trichloroethene	5	**380**	1.0 U	**55.8**	1.9	1.0 U	1.0 U	**35.4**
Vinyl chloride	2	**4.3**	**114 J**	**116**	2.0	0.63 J	0.68 J	**16.9**
Total VOCs:	-	**776**	**252**	**1,573**	**13.7**	**10.1**	**7.0**	**361**
Total CVOCs:	-	**776**	**189**	**1,517**	**13.7**	**3.6**	**3.6**	**360**

a/ Concentrations highlighted in bold text and gray shading exceed evaluation criteria; ID = identification; VOCs = volatile organic compounds; µg/l = micrograms per liter; U = compound not detected at or above the reporting limit; J = estimated value.

b/ Evaluation criteria are the New York State Ambient Water Quality Standards or Guidance Values for Class GA groundwater provided in the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, and the April 2000 Addendum.

c/ MW-170 is a blind duplicate of MW-17.

Table 6

Geochemical and Biological Assay Results
P-8 Supplemental Remediation Performance Monitoring
Former General Instruments Site
Sherburne, New York (a)

Well ID:	**P-8**			**MW-17**		
Sampling Event:	**Baseline**	**Quarterly Performance Monitoring**		**Baseline**	**Quarterly Performance Monitoring**	
Date:	5/28/2014	9/30/2014	12/23/2014	5/28/2014	9/30/2014	12/23/2014
Dissolved Solids (mg/l)						
Alkalinity as $CaCO_3$	250	440	NA	280	520	NA
Chloride	71	100	40	130	130	41
Nitrate	1.3	0.5 U	NA	0.5 U	NA	NA
Ferrous Iron	0.9	38.0	25.0	6.1	17.0	8.3
Sulfate	16.0	1.0 U	1.0 U	5.8	1.0 U	2.2
Sulfide	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Biochemical Oxygen Demand	6.0 U	123.0	49.6	8.3	21.5	13.1
Dissolved Organic Carbon	6.0	73.0	39.4	3.1	13.0	6.4
Dissolved Gases (µg/l)						
Ethane	36	14	8	24	3	85
Ethene	6.1	2.6	0.6	1.3	0.2 U	23.0
Methane	2,000	12,000	20,000	6,000	25,000	24,000
Field Geochemical Parameters						
pH	6.64	6.06	6.75	7.17	7.22	6.78
Conductivity (mS/cm)	0.74	1.07	0.453	1.01	1.22	0.40
Turbidity (NTU)	0.0	10.9	9.2	0.0	9.4	11.4
D.O. (mg/l)	1.27	0.0	0.46	1.00	0.0	1.95
T (ºC)	11.5	16.3	11.8	13.08	16	10.46
ORP (mV)	-27	-6	-149	-116	-102	-133
Volatile Organic Compounds (µg/l)						
Vinyl chloride	4.3	114 J	116	2.0	0.63 J	16.9
trans-1,2-Dichloroethene	0.82 J	2.7	3.9	1 U	0.86 J	1.7
cis-1,2-Dichloroethene	390	72	1340	9.8	2.1	306
Trichloroethene	380	1 U	55.8	1.9	1 U	35.4
Tetrachloroethene	1.2 J	1 U	1 U	1 U	1 U	1 U
CSIA, $\delta^{13}C$ (‰)						
Vinyl Chloride	-38.60	-18.93	-29.73	-15.36	NA	NA
trans-1,2-Dichloroethene	-42.55 J*	NR	NR	NR	NA	NA
cis-1,2-Dichloroethene	-28.30	-21.58	-21.09	-15.83 J*	NA	NA
Trichloroethene	-27.68	NR	-16.60	NR	NA	NA
Tetrachloroethene	-27.83 J*	NR	NR	NR	NA	NA
q PCR (DNA) (cells/ml)						
Dechlorinating Bacteria						
Dehalococciodes spp.	5.80E+03	3.43E+04	1.08E+05	3.20E+03	1.10E+03	9.13E+02
Dehalobacter spp.	4.69E+01	2.98E+02	2.55E+02	1.27E+02	1.62E+02	6.15E+01
Functional Genes						
tceA Reductase	1.00E-01 J	2.78E+01	9.02E+01	1.55E+01	1.59E+01	1.49E+01
BAV1 Vinyl Chloride Reductase	1.00E+00	3.48E+01	4.43E+01	2.00E-01 J	5.00E-01 U	5.00E-01 U
Vinyl Chloride Reductase	8.02E+00	2.70E+03	1.95E+04	1.18E+02	1.44E+01	4.49E+01
Phylogenetic Group						
Total Eubacteria	2.30E+05	1.08E+06	1.24E+06	1.03E+06	1.40E+06	1.07E+06
Iron and Sulfate Reducing Bacteria	1.61E+03	1.06E+03	1.59E+03	8.90E+03	8.34E+03	2.03E+03
Methanogens	1.40E+03	2.43E+04	7.55E+04	3.14E+04	1.24E+05	8.50E+04

a/ mg/l = milligrams per liter; µg/l = micrograms per liter; CSIA = carbon stable isotope analysis; U = not detected at or above laboratory reporting limit; NR = no recovery of target compound; NA = not analyzed; J = estimated concentration; J* = for CSIA results: target analyte produced a low peak signal and the result is considered usable to ±2‰, but not the standard ±0.5‰.

b/ Concentrations highlighted in bold text indicate concentrations detected above the laboratory detection limits.