REPORT

Remedial Investigation/ Jay & Madison Street Site Rome, New York

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Remedial Investigation/ Jay & Madison Street Site

Rome, New York

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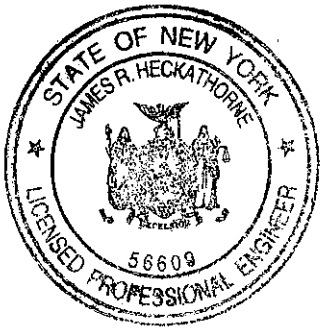

JAMES R. HECKATHORNE, P.E.
VICE PRESIDENT
O'BRIEN & GERE ENGINEERS, INC.

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INTRODUCTION

1.1. PROJECT BACKGROUND

On December 7, 1992, Niagara Mohawk Power Corporation (NMPC) and the New York State Department of Environmental Conservation (NYSDEC) entered into an Administrative Order on Consent (AOC), Index Number DO-0001-9210. This order requires NMPC to investigate and, if necessary, remediate 20 former Manufactured Gas Plant (MGP) sites in New York. In accordance with the provisions set forth in the AOC, NMPC is required to investigate and, if necessary, remediate the site of a former location of a MGP located at the Jay and Madison Street Site in Rome, NY.

Pursuant to the agreements with NYSDEC noted above, National Grid implemented a Preliminary Site Assessment and Interim Remedial Measures (PSA/IRM) Study at the Jay and Madison Street Site beginning in February 1998. The PSA report was finalized in July 2002. The results of the PSA indicated conditions on the former Rome Sentinel property that would warrant the completion of an IRM. The IRM was completed in August 1999 and involved the excavation of approximately 1,400 cubic yards (cu yds) of surface and subsurface soils containing PAHs in excess of NYSDEC cleanup goals, and the placement of topsoil over surface soils containing elevated PAH levels. Based on the results of the PSA, a Remedial Investigation (RI) was recommended to further evaluate horizontal and vertical extent of chemical constituents. During the RI, data gaps were identified and were addressed during a Supplemental Remedial Investigation (SRI).

This RI Report serves to summarize the RI activities conducted at the Jay and Madison Street Site. Results of the RI have been integrated with the results of the PSA/IRM Study to characterize the Site conditions.

1.2. SITE DESCRIPTION

The Rome (Jay and Madison Streets) former manufactured gas plant (MGP) site (the "Site") is located in the City of Rome, Oneida County, New York (Figure 1). The site originally consisted of two parcels: (tax account numbers TA 242.38.1.11 (entitled the "Western Parcel") and TA 242.49.1.7 (entitled "Eastern Parcel") totaling approximately 1.7 acres (Figure 2). The Western Parcel is located at 412 Erie Boulevard West, and is currently utilized as a NMPC natural gas regulator station. The Eastern Parcel is located at 106 South Madison Street and is currently occupied by a Burger King Restaurant and parking lot. A third parcel, formerly owned by Rome Sentinel, was added as part of the Site in January 1998. This parcel borders the west side of the Western Parcel. Two properties, the former Polka Dot Dry Cleaners (410 Erie Boulevard West), and a residence owned by Secor (409 Woodrow Avenue), were also investigated as they are situated between the Western Parcel and Eastern Parcel, the Site. Erie Boulevard forms the southwest border of the Site area. Woodrow Avenue borders the northeast side of the Site area.

The Rome Sentinel parcel occupies 0.5 acres. No MGP operations were reportedly conducted on this property. However, investigations conducted by NMPC on the property indicated the presence of polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and metals which are indicative of MGP byproducts.

The Western Parcel is approximately 0.5 acres in size. This parcel, currently owned by NMPC, contains a natural gas regulator station and two brick buildings. The parcel is secured by a six-foot high chain link fence, and covered with crushed stone. The parcel formerly housed two at-grade manufactured gas holders (100,000 and 250,000 cf capacity) and an at-grade oil tank.

The Eastern Parcel is approximately 1.15 acres in size. This parcel, which is bordered on the east by Madison Street, and the west by Polka Dot Dry Cleaners, was the former location of the MGP, including coal storage, retort ovens, and gas purification activities. Two gas holders (23,000 and 50,000 cubic feet capacity) were also formerly located on the parcel.

The topography of the site is generally flat, with a slight rise to the north. The usage of the surrounding properties is a mixture of commercial, industrial, and residential.

The site is not listed on the New York State Registry of Inactive Hazardous Waste Sites. The MGP waste materials at the site are not considered to be hazardous waste by the NYSDEC (NMPC RFP, May 1996).

1.3. SITE HISTORY

This section is based, in part, on information obtained from outside sources such as historic industry reference materials. The degree of reliability of information gleaned from historic industry sources is unknown.

Prior to MGP operations, the site area consisted of residential lots situated between the Woodrow (i.e. Rome) Canal and the Erie Canal. The Woodrow Canal, which opened in 1797, connected Wood Creek to the Mohawk River. The canal was filled in before 1852 to become an alley way and eventually identified as Woodrow Avenue.

The Erie Canal, now occupied by Erie Boulevard, was opened in 1825. By 1930, the Erie Canal was displaced by the Barge Canal located south of the city, and eventually filled in to become West Whitesboro St. and then Erie Boulevard (1951).

The MGP began operations in September 1853 on the Eastern Parcel. The operations included retort ovens, gas purification facilities, coal and coke storage sheds, and a 23,000 cubic ft manufactured gas storage holder. In 1884, an electric plant was added to the Eastern Parcel. In 1894, a dynamo room was added to the gas plant on the southwest side (Sanborn Map, 1894).

By 1899, the plant's 23,000 cubic feet gasholder was removed, and a 50,000 cubic ft holder was erected near the corner of Madison St. and Woodrow Ave. A new purifier room and meter house were constructed near the north side of the site. A second house on S. Madison had been replaced by a storage building (Sanborn Map, 1899).

The Western Parcel was purchased in 1902 by the Rome Gas Light and Power Company. By 1904, a 100,000 cubic feet at-grade gasholder was constructed on the Western Parcel. On the Eastern Parcel the gas and electric plants had been replaced by a coal house, coke pile and coke shed, another gas plant was built to the west of the coal house along Woodrow Ave., and the electric plant had been relocated to the southeast corner of the site.

By 1909, an oil storage tank was added to the Western Parcel. On the Eastern Parcel, a new coke shed and purifier house were located north of the coal shed. On the Western Parcel, the oil house was replaced by an ammonia house, a blower room, dresser room and an oil storage room (Sanborn Map, 1909).

By 1914, a conveyor over the Erie Canal and West Whitesboro Ave. was added to transport coal from boats to the coal shed on the Eastern Parcel. A water gas plant was added to the purifier house west coal shed. On the Western Parcel, a second 250,000 cubic feet gasholder was added south of the existing 100,000 cubic feet gasholder (Sanborn Map, 1914).

Gas production was significantly reduced by 1924 due to increased gas production at the Rome (Kingsley Ave.) MGP. On the Madison St. MGP's Eastern Parcel, the water gas plant and electric plant remained intact. On the Western Parcel, the two gasholders remained but the oil storage tank had been removed (Sanborn Map, 1924).

By 1930, the water gas plant building on the Eastern Parcel was vacant, and most of the electric plant facilities had been removed (Sanborn Map, 1930). On the Western Parcel, both gasholders remained.

Data from 1938 indicates that the 100,000 cubic feet gasholder on the Western Parcel had been removed, and a gasholder heater building was added (Airphoto, 9/6/38). The 250,000 cubic feet gas holder remained on the parcel.

By 1946, only building foundations remained on the Eastern Parcel, and the section appeared to be used as a parking lot. (Airphoto, 6/3/46).

As of 1949, no MGP operations remained on the Eastern Parcel. A used car sales office was located at the corner of West Whitesboro and South Madison. A residence, formerly situated between the eastern and Western Parcels (410 Whitesboro St.), had been replaced by Brinck's Auto Repairs (Sanborn Map, 1949).

NMPC records indicate that the 250,000 cubic feet gasholder was removed from the Western Parcel in 1960.

By 1961, 410 Erie Boulevard (formerly known as Whitesboro St.) was operated by New York Telephone's Repair Division (Rome City Directory, 1961). From 1961 to 1974 the Eastern Parcel was utilized as a Loblaw's Supermarket and parking lot (Rome City Directories and Sanborn Map, 1971).

By 1962, 410 Erie Boulevard was the location of the Norge Laundry and Dry Cleaners. In 1968, it became the Polka Dot Laundry (Rome City Directories).

The 250,000 cubic feet gasholder had been removed from the Western Parcel as of 1971 (Sanborn Map, 1971). The parcel has been used as a natural gas regulator station by NMPC since that time. The natural gas regulator station consists of two buildings and associated aboveground and subsurface distribution lines that exit the parcel to Erie Boulevard and Woodrow Ave.

From 1974 to 1981 the Eastern Parcel was vacant. In 1983 the lot was redeveloped into a Burger King Restaurant (Rome City Directories). Tax maps indicate that the parcel is currently owned by FFCA Acquisition Corporation of Scottsdale, Arizona. The Burger King Restaurant is still operating as of this report. A portion of this parcel is currently occupied by the restaurant, while the majority of the parcel is covered with asphalt pavement and utilized for restaurant patron parking.

1.4. SUMMARY OF PSA/IRM STUDY

Pursuant to the 1992 Order on Consent, National Grid implemented a PSA/IRM Study at the Jay and Madison Street Site between February 1998 to March 2001. A PSA was conducted as detailed in the NYSDEC approved Final Work Plan for Preliminary Site Assessment/Interim Remedial Measures (PSA/IRM) Study at the Jay and Madison Site, dated June 1996. The study objective was to collect sufficient environmental data for a preliminary evaluation of the presence and nature of MGP and non-MGP related chemical constituents at the Site. Study activities included completion of test pits, soil borings, monitoring wells, and the collection of subsurface soil, surface soil and ground water samples for analysis the results of which are summarized below. More detailed information is provided in the PSA Report (O'Brien & Gere, 2002).

Former Rome Sentinel Property

This property was added to the site investigation program in 1998. Investigations completed in May 1998 included completion of soil borings and monitoring wells and collection of surface soil, subsurface soil, and ground water samples for analysis

An IRM was completed on the Former Rome Sentinel Property in 1999. The IRM involved excavation of approximately 1,900 cubic yards (cu yds) of surface and subsurface soils containing PAHs in excess of NYSDEC cleanup goals, and the placement of topsoil over surface soils containing elevated PAH levels (Figure 3). A detailed summary of this activity is provided in the Summary Report entitled Soil Excavation Interim Remedial Measures Construction Completion Report, Former Rome Sentinel Property, Rome, New York (O'Brien & Gere, October 1999).

The majority of shallow soils exceeding screening values on the Former Rome Sentinel Property were removed during the IRM. Impacted soil left on the site included soil in the vicinity of SB-2 that was below the ground water table, and inaccessible soil along the edges of the excavation at the northeast and southeast property boundaries.

Soil was brought in from an NMPC-approved off-site area for the purpose of covering the surface of the site with 2 ft of fill to minimize potential contact with on-site surface soils. It was agreed that the fill would be tapered at the boundaries of the area as needed to maintain sheet flow drainage across the site. The surface cover thickness ranges from approximately 0.25 ft to 2 ft. This cover was deemed sufficient by the NYSDEC and NYSDOH given that there would be deed restrictions placed on the property by NMPC as follows:

- Site would only be used for commercial or light industrial purposes
- No on-site ground water supply
- No excavation below the cover without prior notice to, and approval from NYSDEC and NYSDOH

Western Parcel

Investigations were completed on the Western Parcel in 1998. The investigations included the completion of soil borings and monitoring wells and the collection of subsurface soil and ground water samples for analysis. Surface soil samples were not collected.

Based on the PSA, soils on the Western Parcel did not contain PAHs or BTEX compounds above screening values. Ground water in wells MW-4 and MW-5, located on the southwestern corner of the site, was above cleanup standards for BTEX and PAH compounds. The source of the ground water impacts was suspected to be related to unidentified impacted soil underlying the pad of the adjacent former gas holder. However, it is possible that the constituents identified in MW-5 are the result of lateral migration of constituents from the Eastern Parcel along the backfill of the sewer line that is known to be present in the vicinity of the well.

Eastern Parcel

Investigations were completed on this parcel in 2001. The investigations included completion of 20 soil borings and installation of three ground water monitoring wells. Soil and ground water samples were collected for analysis. Surface soil samples were not collected as the site is covered by an asphalt parking lot.

Subsurface soil samples containing total PAH concentrations above screening levels are present across the Eastern Parcel. The six borings where soil contains concentrations of total PAH screening levels were found to be scattered along a band running across the center of the site along the northeastern to the southwest portion of the site. Vertically, the depth of total PAH concentrations above screening values were found to extend to 26 ft on the north end to approximately 10 ft on the southern portion of the site.

Screening levels for total CPAHs were exceeded in three of the off-site soil borings, SB-30, SB-32, and SB-33. These borings are located within Woodrow Avenue that borders the northeast side of the Site. CPAHs exceeding the 10 mg/kg NMPC cleanup criteria were detected at depths of 6 to 10 ft in borings along Woodrow Avenue. Although soil samples from borings on the property adjacent to Woodrow Avenue exhibit total CPAH levels above 10 mg/kg, these constituents were not identified at depth within the soils in the borings located in Woodrow Avenue. This suggests that these constituents may be associated with the material used to fill the former canal that occupied this area, rather than off-site impacts from the Eastern Parcel in this direction. This is further supported by the fact that the historical information indicates that the former canal was filled in prior to construction of the MGP.

On the southwest side of the site, near Erie Boulevard, soil samples containing CPAHs above screening levels were identified. No off-site data were collected during the PSA to evaluate whether off-site migration had occurred.

The silty clay unit overlying the till appears to limit vertical migration beneath the site. With the exception of soil at SB-26, located in the southwestern portion of the site, PAH and BTEX compounds were below screening levels in samples collected within or below this unit.

Ground water at monitoring wells MW-11 and MW-12 are impacted by BTEX and naphthalene compounds. There were no monitoring wells installed downgradient from MW-11 during the PSA. Therefore, it was not clear if these concentrations are due to the proximity of the wells to impacted soils, or whether off-site migration has occurred.

Polka Dot Dry Cleaner Property

A limited investigation was completed on this parcel to assess whether former MGP operations at the adjacent parcels impacted soil or ground water quality on this property. The investigation consisted of completion of two soil borings and installation of two ground water monitoring wells. Soil and ground water samples were collected for analysis. Surface soil samples were not collected as the property is covered with asphalt, gravel or the building.

No BTEX or PAH compounds were identified to be present in the subsurface soil samples collected on the Polka Dot Dry Cleaner property during the PSA. However, analytical data indicate that the soil from the 10 to 12 ft sample from MW-9 contained tetrachloroethene (PCE) at 10 ug/kg and trichloroethene (TCE) at approximately 2 ug/kg. In addition, the soil sample from 6 to 8 ft at MW-10 contained 6 ug/kg of PCE. No other volatile or semi-volatile organic compounds were detected. Ground water samples from MW-9 contained PCE, TCE and other chlorinated hydrocarbons and concentrations ranging from 2 to 12 ug/kg. Well MW-10 contained several PAHs at concentrations of 1 to 2 ug/kg. Chloroform was also detected in this well at 23 ug/kg.

1.5. REMEDIAL INVESTIGATION OBJECTIVES

The objective of the RI was to collect sufficient environmental data to address data identified in the PSA/IRM Study to allow the nature and extent of contamination associated with the former MGP to be assessed for the purpose of evaluating remedies. The data gaps identified at each of the parcels that make up the National Grid Jay & Madison Street Site and the nearby properties are as follows:

Former Rome Sentinel Property

As a result of the IRM completed in 1999, no further investigative activities were warranted on the Former Rome Sentinel Property. The RI included ground water monitoring to further assess trends in ground water quality following the IRM.

Western Parcel

The results of the PSA indicated that there were no significant impacts to the soil or ground water on the Western Parcel. However, given the elevated concentrations of MGP-related constituents in the ground water at MW-5, additional investigations were identified as part of the RI to assess possible localized pocket of impacted soil at former holders on this parcel and continue to assess trends in ground water quality.

Eastern Parcel

The PSA identified impacted soil and/or ground water on the Eastern Parcel. The RI objectives included further delineation of impacted soil on and around this parcel and the extent of tar found to be present. In addition, the potential for migration of vapors generated by the MGP residuals into the on-site building was evaluated.

Polka-Dot Property

An investigation was completed on the Polka Dot property in April 2002 by Geoscience Technical Services, Inc. (Geoscience), the owner's consultant. The results of this investigation identified the presence of PAH compounds in soil samples from three of the six borings completed by Geoscience. Based on this information, further investigations were warranted as part of the RI to delineate the areal extent of PAH and VOC compounds on this property and the relationship of these compounds to past site usage or the nearby MGP operations.

Secor Property

No investigations had been completed on this property during the PSA as it was not defined as being part of the Site. Given that this property is located between the Eastern and Western Parcels, investigation activities were warranted to assess the potential presence of MGP-related constituents in soil and ground water.

Ground Water

The RI objectives included evaluation of trends in ground water quality and the potential for offsite migration of MGP-related constituents.

These objectives were presented in the Remedial Investigation/Feasibility Study Work Plan (O'Brien & Gere November 2004). Additional data gaps were also defined in a subsequent meeting between NYSDEC and National Grid on March 22, 2007. The data gaps consisted of downgradient ground water quality, verification of analytical results, and the extent of the separate phase tar observed on the Eastern Parcel. These data gaps were addressed during the SRI field activities conducted from November to December 2007.

1.6. REPORT ORGANIZATION

This report is organized into sections as outlined below.

Section 1	Introduction
Section 2	RI field investigation activities
Section 3	Hydrogeologic conditions
Section 4	Nature and extent of contamination
Section 5	Qualitative exposure assessment
Section 6	Conclusions

2. RI FIELD ACTIVITIES

This section describes the RI activities that were completed at Jay and Madison Street Site in Rome, NY. The RI was conducted in accordance with the Remedial Investigation/Feasibility Study Work Plan dated November 2004 and approved by the NYSDEC. The initial objectives were defined by data gaps identified by the PSA. Additional activities were completed as needed to fill data gaps identified by National Grid or the NYSDEC. These scope additions were in general documented in a meeting between NYSDEC, NYSDOH, and National Grid on March 22, 2007. The RI included the following activities:

- subsurface soil sampling and analysis
- monitoring well installation
- test pit installation
- ground water sampling and analysis
- separate phase tar delineation
- soil vapor survey
- sub-slab vapor survey

Field investigation procedures and activities were implemented in accordance with five companion documents previously prepared under the 1992 Order on Consent, specifically for the MGP Site investigations. The documents are listed below:

- Final Work Plan For The Preliminary Site Assessment/Interim Remedial Measures (PSA/IRM) Study at the Rome (Jay and Madison St.) Site, Rome, New York; June 1996.
- Generic Quality Assurance Project Plan (GQAPP) for Site Investigations, NMPC, June 1996.
- Generic Field Sampling Plan for Site Investigations at Manufactured Gas Plants (GFSP); Prepared for Niagara Mohawk; Foster Wheeler Environmental Corporation; November 2002.
- Health and Safety Plan (HASP) for PSA/IRM Study for the Former Rome (Jay & Madison) MGP Site, Rome, New York; June 1996.
- Remedial Investigation/Feasibility Study Work Plan, Study at the Rome (Jay and Madison Street) Former MGP Site, Rome, New York; November 2004.

2.1. FIELD METHODS

A discussion of the field methods generally used to complete the activities at each of the parcels are provided below. Specific activities associated with each of the parcels or properties variations to these methods that were specific to an individual site are discussed in the subsequent subsections.

2.1.1. Underground Utilities

The drilling subcontractor contacted Digsafely New York to locate utilities at the site prior to initiating the field program. The subscribing utilities only identified the locations of subsurface utilities on public property and rights-of-way.

Conversations with Burger King and FFCA personnel indicated that there is very little available information pertaining to the location of underground utilities within the Eastern Parcel property occupied by Burger King. Therefore, a private locating company, SoftDig, was contracted to locate utilities within this area. In addition, soil borings and wells completed on the Eastern Parcel were completed by hand or air knife to 4 ft below grade.

2.1.2. Soil Borings

Borings were generally advanced through the shallow unconsolidated deposits utilizing hollow-stem auger drilling techniques as described in Section 5 of the GFSP. Split-barrel samples were collected continuously from each soil boring and screened for the presence of volatile organic constituents using a photoionization detector (PID) and the presence of non-aqueous phase liquid (NAPL) or other indicators of contamination were identified by visual inspection. The field hydrogeologist selected the number and location of soil samples for analysis at each boring location, with input from the NYSDEC onsite representative, Bernie Franklin. Descriptions of encountered subsurface soils were recorded on a boring log with the intent of delineating the upper and lower boundaries of affected soils and the constituent concentrations within the soils. Soil samples were selected for analysis to assess the vertical and horizontal extent of impacted soils. At soil boring locations where elevated PID readings or visual observations indicated possible MGP related residuals, an attempt was made to establish the vertical extent of impacted soils through collection of samples from above and below the identified impacted soil. Soil samples were also collected from intervals with no field indicators of contamination to evaluate and confirm the vertical extent of impacts. Soil boring logs are provided in Appendix A.

2.1.3. Test Pits

Test pits were advanced through the shallow unconsolidated deposits in accordance with Section 7 of the GFSP using a rubber-tired backhoe to evaluate the physical and chemical characteristics of shallow subsurface soils around the holder foundations. Test pits were excavated to various lengths widths and depths depending on site conditions and the intended purpose. Excavated materials were placed on plastic adjacent to the test pits pending visual inspection by representatives of O'Brien & Gere and the NYSDEC and to allow for the collection of analytical samples. After inspection and sampling were completed, the test pits were backfilled with the excavated materials. A PID was used to screen samples and monitor the breathing zone during excavation. The excavator bucket was decontaminated using a steam cleaner and wastewater generated from decontamination was containerized, tested, and disposed of at an acceptable off-site facility. Test pit logs are provided in Appendix A.

2.1.4. Well and Piezometer Installation

Shallow monitoring wells were installed to screen the water table, which is consistent with existing shallow monitoring wells. Five of the six deep monitoring wells were installed to the top of till. The remaining deep monitoring well was installed to the top of bedrock (SB-49/MW-19D).

Monitoring well installation and development was completed in accordance with the procedures described in the GFSP. Ground water on site ranges from 5 to 8 ft below grade. As such the shallow monitoring wells were installed to straddle the water table in accordance with GFSP Section 6.1. In general the till confining layer was encountered at an approximate depth of 45 ft bls. As such deep monitoring wells were installed on top of this unit assess vertical migration. MW-19D, which is the deep well installed at the top of bedrock, was constructed as a double-cased well as detailed in the GFSP Section 6.1 to assess vertical and horizontal migration below the till confining layer.

Upon completion, the monitoring wells were developed in accordance with procedures described in the GFSP. Monitoring well construction logs are provided in Appendix A.

2.1.5. Ground Water Sampling

Prior to water sampling, water levels were measured in the monitoring wells. The water levels were used in the assessment of ground water flow conditions at the Site. Measurements of water levels were obtained using an electronic water-level probe. Table 3 summarizes the water levels.

The ground water sampling methods for the July 2005 and December 2007 included a combination of low-flow sampling and conventional bailing techniques. For low-flow sampling, samples were collected using a peristaltic pump with dedicated polyethylene tubing. During the purging process, the flow rate was maintained at a rate less than 0.5 liters/min except during the start up of the pump. During purging, ground water quality measurements consisting of pH, specific conductivity, temperature, oxidation-reduction potential (ORP), dissolved oxygen (DO), turbidity, and flow rate were recorded at regular intervals. Ground water samples were

collected after equilibration of water quality parameters. Equilibration was defined as three consecutive readings of turbidity and DO within 10% of each other, specific conductivity and temperature within 3% of each other, a change in ORP of less than 10 millivolts, and drawdown stabilization.

Conventional bailing techniques were used to collect the ground water samples from deep monitoring wells that had low yield and did not produce sufficient water for low-flow sampling. This sampling method includes purging three well volumes of water from the well prior to sample collection. If the well went dry during purging, the water level was allowed to recover prior to sample collection. The bailer was inspected for evidence of NAPL prior to purging and sample collection. Temperature, pH, conductivity, and turbidity were measured and recorded on ground water sampling logs. Ground water samples were collected after three well volumes were removed from the well. Ground water sampling logs are contained in Appendix B.

2.1.6. Product Monitoring

Evidence of NAPL was observed in wells or piezometers selected for monitoring. To assess whether the NAPL accumulated or was recoverable, product monitoring was conducted periodically. Prior to the initiation of purging activities water levels were measured using an oil/water interface probe. A dedicated bailer was used to remove water from the wells. Each well was purged of approximately five well volumes during each event. The purpose of the purging was to stress the aquifer and to evaluate if recoverable NAPL could be drawn into the wells. No NAPL was measured or observed during the purging activities. Purge water was contained in steel drums located on-site for subsequent disposal at an appropriate off-site facility.

2.1.7. Sample Analysis

In general, samples collected during the field efforts were submitted for analysis of the primary constituents of concern related to MGP sites including BTEX, PAHs, and cyanide.

Soil and ground water samples were delivered to Life Science Laboratories Inc. (formerly O'Brien & Gere Laboratories, Inc.) using chain-of-custody procedures outlined in the guidance documents. Analyses were completed in accordance with NYSDEC analytical services protocol (ASP) with Category B Deliverables. Data were reviewed and a Data Usability Summary Report (DUSR) was prepared to verify that data were useable for achieving the RI objectives. The DUSR reports are contained in Appendix C.

2.1.8. Soil Vapor and Subslab Vapor Sampling and Analysis

Soil vapor samples were collected from four locations surrounding the Burger King Restaurant on June 14, 2005. Soil vapor samples were collected from depths of three feet below grade at five locations surrounding the restaurant as depicted in Figure 6. Each location was approximately three feet from the building exterior walls. The surface of each of the sampling location was a concrete walkway.

Collection methodologies followed the procedures provided in the RI/FS work plan. A sampling hole was drilled through the concrete walkway and approximately three feet into the subsurface material, which was primarily sand. A Teflon sampling line attached to a soil vapor sampling point was inserted in the hole. Low permeability material was poured into the hole to cover the sampling point. Expandable grout was then poured into the hole up to the surface to serve as a seal that eliminated entrainment of ambient air down the sampling hole and into the sample.

The sampling lines were purged with one to three volumes prior to connection to 6-liter evacuated Summa® canisters equipped with flow controllers that regulated the sampling flow rate at approximately 0.02 liters per minute. The five samples were collected simultaneously from all locations with some minor differences in start and stop times. Each sample was collected over a four-hour period. During sample collection, pertinent data were recorded for each sample on field forms that are provided in Appendix D.

After sample collection, the canisters were shipped to Severn Trent Laboratories (Burlington, VT) where they were analyzed by USEPA Method TO-15. In addition to the TO-15 compounds, the samples were also analyzed for tentatively identified compounds (TICs). Typical compounds of MGP waste included in the standard TO-15 compound list include trimethylbenzenes and naphthalene. TICs were included in the sample analyses to

identify other typical MGP compounds such as thiopenes, indene and indane. The laboratory report and sample analyses data are provided in Appendix D.

Based on the results of the soil vapor sampling, NYSDEC requested that subslab vapor samples be collected from beneath the Burger King building. Sub-slab vapor samples were collected on November 8, 2007. Sub-slab samples (denoted with "SS") were collected from beneath the concrete floor at two locations within the restaurant (see inset in Figure 6). Sample SS-01 was collected from beneath the front serving counter, and sample SS-02 was collected from the storage closet at the back of the kitchen area. Soil vapor samples were also collected from two locations outside of the building. Those samples, SV-02 and SV-04, were collected at the same locations as the June 2005 SV-02 and SV-04 soil vapor samples and collected in a similar manner. Two ambient air samples were collected from outside the building. Sample Amb-01 was collected in front of the building near Erie Boulevard, and Amb-02 was collected from the rear of the building near Woodrow Avenue.

Sub-slab Sampling Procedure

Sub-slab vapor samples were collected by installing temporary sampling points through the concrete floor. The following procedures for sub-slab sample collection were followed:

- A section of ¼-inch Teflon or polyethylene tubing was inserted through a hole drilled through the slab. The tubing inlet was installed approximately ¼ inch below the base of the slab. The annular space between the hole and tubing was then sealed using 100% bees wax.
- The tubing was purged using a polyethylene 60 cubic centimeter (cc) syringe. One to three tubing volumes were purged prior to sample collection at a rate no greater than 0.2 liters per minute (lpm). The tubing was then connected to the sample canister.
- The sub-slab soil vapor sample was collected over a 4-hour period, utilizing batch certified-clean 6-liter pre-evacuated Summa® canisters. The sampling rate was maintained by laboratory-calibrated constant-differential low volume flow controllers. Vacuum readings of the canisters were obtained and documented prior to sample collection and upon completion of sampling. Sample identifications, vacuum readings, flow controller identification numbers, and other relevant information were recorded on field sheets included in Appendix D.

Ambient Air Sampling Procedure

The ambient air samples were collected into a pre-evacuated 6-liter canister positioned on the Burger King property during the same 4-hour period as the subslab samples. The sampling rate was maintained by laboratory-calibrated, constant-differential, low volume flow controllers. Vacuum readings of the canister were obtained and documented prior to sample collection and upon completion of sampling. Sample identification, vacuum readings, flow controller identification numbers, and other relevant information was recorded on field sheets and included in Appendix D.

Samples (canisters) from the 2007 sampling event were delivered to Air Toxics of Folsom, California under routine chain-of-custody for analysis using Method TO-15. The samples were analyzed for the standard list of compounds for this method plus tentatively identified compounds (TICs), which are a subset of the Method TO-15 compounds. It should be noted that actual reporting limits varied from the specified method depending on the amount of dilution needed for the analysis.

2.1.9. Decontamination

Split-barrel soil sampling equipment was decontaminated, between sampling intervals, with an alconox and potable water scrub followed by a potable water rinse. Drilling and excavation equipment was decontaminated after completion of each boring or test pit using a high-pressure steam cleaner. A temporary decontamination pad was established on the NMPC Western Parcel for this purpose.

2.1.10. IDW Handling

Investigation derived waste (IDW) was handled according to section 3.0 of the NMPC GFSP. Water generated during development, decontamination, and sampling activities was placed in a polyethylene tank and placed on

the NMPC Western Parcel for subsequent characterization and disposal. The soil generated during drilling of soil borings and monitoring wells was placed in 55-gallon drums or a roll-off and staged on the NMPC Western Parcel for subsequent characterization and off-site disposal.

2.2. FORMER ROME SENTINEL PROPERTY

Soil Investigation

As previously discussed, a sewer line was identified along the southwest of the Site running parallel to Erie Boulevard. To evaluate potential preferential migration along the bedding of the sewer line, soil-boring SB-52 was proposed. Proposed boring SB-52 was to be installed on the former Rome Sentinel Parcel along the sewer line and converted into a monitoring well. During utility clearance the City of Rome was unable to pinpoint the location of the two sewer lines located in this area. Also the proximity of other subsurface utilities including a water line and the transmission lines for the gas regulator station located on the Western Parcel are all present at this location. Furthermore overhead utilities consisting of phone, cable and electric service are located directly above the proposed location and prevented the safe installation of this location. Therefore, this soil boring was not installed.

2.3. WESTERN PARCEL

Soil Investigation

Three test pits (TP-1, TP-2, and TP-3) and two soil borings (SB-34 and SB-35) were completed during the RI on this parcel (Figure 2). The objectives of these activities were to assess the presence of MGP-related constituents in subsurface soils. Boring logs present soil descriptions and field observations and are included in Appendix A. None of the soil borings were converted to monitoring wells.

Soil borings SB-34 and SB-35 were completed to assess whether there is localized pockets of impacted soil under the former gas holder foundations. A total of three soil samples from SB-34 and five samples from SB-35 were submitted for analysis. Table 1 summarizes sample number, depth interval, and types of analyses conducted. A total of 3 test pits were excavated during the RI on May 23, 2005 to evaluate the presence and condition of the holder foundation and characteristics of the shallow subsurface adjacent to the holder foundations. Test pit logs are presented in Appendix A. Test pits dimensions varied in length, width, and depth depending on the observations of impacted soil and holder foundation construction. Test pits were continued horizontally and vertically to define any impacts that were observed. One soil sample was collected from TP-02 and two soil samples were collected from TP-03 and submitted for analysis. The soil boring and test pit locations are presented on Figure 2.

Product Monitoring

Two piezometers (PZ-1 and PZ-2) were installed in the test pits to evaluate the recoverability of observed NAPL. The piezometers were screened in the zones where stained soil and NAPL was observed during test pit excavation. In order to evaluate the recoverability of NAPL, these two locations were actively bailed in an attempt to induce NAPL movement into the wells. The NAPL recovery evaluation was performed between April 2008 and October 2008.

2.4. EASTERN PARCEL

Soil Borings

Thirteen soil borings (SB-36 through SB-44, SB-49 through SB-51, and SB-54) were completed during the RI on this parcel. All of the borings were terminated at the top of the confining layer except for SB-49, which was installed to the top of bedrock. The objectives of these borings were to assess the presence of MGP-related constituents in subsurface soils, to assess the horizontal and vertical extent of MGP-related contamination identified on this parcel. A total of fifty-three soil samples were collected from these borings. Two additional soil borings (SB-45 and SB-46) were completed on the opposite side of Madison St. from the Eastern parcel to assess

the potential for off-site migration of MGP-related constituents identified on the southwestern side of the eastern parcel. Seven soil samples from these locations were submitted for analysis

Soil samples were selected for analysis to establish the vertical and horizontal extent of impacted soils at soil boring locations where elevated PID readings or visual observations indicated possible MGP related residuals. Boring logs containing soil descriptions and field observations are included in Appendix A. Table 1 summarizes sample number, depth interval, and types of analyses conducted.

Monitoring Wells

Three deep borings (SB-51, SB-49, and SB-50) were converted into monitoring wells (MW-16D, MW-19D, and MW-20D) during the RI on this property. The screen intervals for monitoring wells MW-16D and MW-20D were installed to the top of till to assess the vertical distribution of constituents identified in the shallow aquifer. MW-19D was installed to the top of bedrock to evaluate whether site-related constituents have migrated into the till unit. One of the borings (SB-46) completed across Madison St. from this parcel was also converted into monitoring well MW-15S for the purpose of evaluating whether constituents have migrated off site to the southwest. The screen interval for this monitoring well was installed to monitor the water table. Drilling and well construction logs reflect the observations during installation and are included in Appendix A. Table 1 summarizes sample number, depth interval, and types of analyses conducted.

Tar Investigation

During the RI investigation, separate phase tar was observed in an area to the east of the Burger King restaurant in soil borings SB-41 and SB-41A (Figure 2). The separate phase tar is defined as a dark brown to black, viscous fluid contained within the pore spaces of the subsurface material, which exhibits a sheen and iridescent properties. This is in contrast to the dark or black colored soil and peat that was observed in other areas of the site.

In order to better delineate the extent of separate phase tar and assess whether remnants of a tar well structure are present in this area, 18 shallow soil borings (TB-01 through TB-16A) were completed using geoprobe techniques. The inset in Figure 2 shows the location of the 18 newly completed soil borings and previous soil borings SB-41 and SB-41A. Borings TB-01 through TB-16A were completed along a grid approximately 10 ft apart in all directions beginning at and radiating outward from SB-41A, where the tar was originally encountered. The grid pattern was marked in the field prior to mobilization of the drill rig and crew. Individual locations were adjusted in the field to compensate for the presence of a sewer line and a handicap access ramp within the grid.

Soil borings were advanced using direct push methods. No analytical soil samples were collected. Soil samples were collected continuously in 2-ft increments to identify the presence of free-phase tar. At a number of locations, probe refusal was encountered due to underlying structures or rubble. In this situation, an attempt was made to move the boring and to retry installation.

Visual observations were used to qualitatively assess for the absence/presence of separate phase tar material. If tar was present at a location, then the vertical extent of the free-phase tar was further assessed by advancing the probe five feet. Additional borings were subsequently completed at more distant grid nodes. When free-phase tar was not observed at a location, then the boring was advanced to a depth of approximately 20 ft below grade to confirm the absence of tar. If no evidence of tar was noted, then the location was considered to be beyond the horizontal boundary of the free-phase tar and additional borings were not completed at more distant grid nodes beyond that location. Drilling logs are presented in Appendix A.

One boring (TB-07) was also placed near SB-41A to evaluate the depth of the free-phase tar present at this location and was converted into OW-01, a four inch observation well. OW-01 was installed in an attempt to see if the free-phase tar in this area was recoverable. The well screen was installed to intersect the zone where tar was observed.

Product Monitoring

In order to evaluate the recoverability of the tar at this location, OW-01 was actively bailed in an attempt to induce tar movement into the well as discussed in Section 2. The tar recovery evaluation was performed between April 2008 and October 2008.

2.5. SECOR PROPERTY

Soil Investigation

One soil boring (SB-53) and one deep well (MW-18D) were completed during the RI on this property to assess the potential presence of MGP-related constituents in subsurface soils. Two soil samples were collected from SB-53 and three soil samples were collected from MW-18D and submitted for analysis. Boring logs provide soil descriptions and field observations and are included in Appendix A. Table 1 summarizes sample number, depth interval, and types of analyses conducted.

2.6. POLKA DOT DRY CLEANER PROPERTY

There were no soil investigations performed on this property during the RI.

2.7. HYDRAULICALLY DOWNGRADIENT OF SITE

Soil Borings

Two soil boring (SB-47 and SB-48) were completed within and to the southwest of Erie Boulevard during the RI to assess the potential presence of MGP-related constituents in subsurface soils downgradient of the Eastern Parcel. Eight soil samples collected from these locations were submitted for analysis. Boring logs presenting soil descriptions and field observations and are included in Appendix A. Table 1 summarizes sample number, depth interval, and types of analyses conducted.

Monitoring Wells

Six monitoring wells (MW-17S, MW-17D, MW-21S, MW-21D, MW-22S, and MW-22D) were installed on the southwest side of Erie Boulevard to assess the potential off-site migration of MGP-related constituents in ground water and interpret the hydrogeologic conditions of the Site. The screen interval for the shallow monitoring wells was installed to straddle the water table. The screen interval for the deep monitoring wells was installed to the top of till. Well construction logs reflect the observations during installation and are included in Appendix A. No soil samples were collected for analysis during the completion of these monitoring wells.

2.8. GROUND WATER QUALITY

To evaluate the extent of MGP-related compounds in the ground water, ground water samples were collected from existing monitoring wells on two occasions and from selected wells on one occasion during the investigations as follows:

- July 2005: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-9D, MW-10, MW-12, MW-13, MW-14, MW-15S, MW-16D, MW-17S, MW-17D, MW-18D, MW-19D, and MW-20D. MW-11 was not sampled due to the presence of NAPL globules observed during this event.
- December 2007: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-9D, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15S, MW-16D, MW-17S, MW-17D, MW-18D, MW-19D, MW-20D, MW-21S, MW-21D, MW-22S, and MW-22D.
- April 2008: MW-6S, MW-8S, and MW-5S were sampled

Table 2 summarizes the construction details for all existing monitoring wells. The most complete and recent set of ground water samples were collected during the December 2007 sampling event from the 26 monitoring wells.

As discussed in Section 2.1.7, ground water samples collected during RI were analyzed for BTEX, PAHs, and Cyanide as MGP indicators.

3. HYDROGEOLOGIC CONDITIONS

The site topography is relatively flat with elevations ranging from 430 to 437.5 ft above mean sea level (msl). In general, the site is underlain by fill, fluvial sand and silt, clay, and glacial till deposits overlying shale bedrock. Ground water occurs within the unconsolidated deposits at depths of 5 to 8 ft below grade.

Fill material was placed over the native deposits across most of the site. The fill thickness ranges from approximately 5 ft on the Former Rome Sentinel Property and Western Parcel to approximately 15 ft on the Eastern Parcel. The fill material generally consists of fine to coarse gravel with varying amounts of slag, coal, and brick fragments.

Cross-sectional views of the site stratigraphy are provided as Figures 7, 8, 9, 10, 11, and 12. As illustrated on the cross-sections, natural materials underlying the site consist of localized peat deposits, and sand that is underlain by silty clay and then glacial till. Localized peat deposits were encountered between 4 and 10 ft below grade along the southern side of the Western Parcel, Polka Dot Dry cleaners, and Eastern Parcel. The grain size distribution of the sand deposit varies with a general decrease in grain size with depth. When observed, the silty clay unit varies in thickness from 2 to 17 feet and the surface dips to the south-southwest. The slope of the top of the silty clay unit increases to the southwest in the area of SB-47. On the Western and Eastern Parcels the silty clay is underlain by glacial till. Figure 13 illustrates the top of till surface. The till is reworked in some areas. Soil borings, SB-1 and SB-49/MW-19D, which were completed to bedrock, encountered till from a depth of 39.5 to 44.9 ft and 39.8 to 46.6 ft, respectively. Although the till unit was only fully penetrated at these two locations, generally a minimum thickness of two feet was noted. Similar to the silty clay unit, the top of the till appears to dip to the south-southwest with an elevation change of approximately 28-ft across the site (Figure 13).

Shale bedrock was encountered in borings completed on the western side of the Former Rome Sentinel Property at depths of between 35 and 42 ft below grade, on the Western Parcel (SB-1) at approximately 45 ft and the Eastern Parcel (MW-19D) at approximately 47 ft below grade. The elevation of the top of bedrock varies from approximately 396 ft in the north (MW-6D) to 387 ft to the southeast (MW-19D). These data suggest that the bedrock surface dips to the southeast. However, given the limited information available, it is not possible to establish the configuration of the surface.

Ground water elevations were recorded on two separate occasions during the RI. These data together with historic ground water elevation data are summarized on Table 3. The most complete set of data is that collected on December 4, 2007 following the installation of wells MW-21S, MW-21D, MW-22S, and MW-22D. The data from this date was used to construct shallow and deep ground water contour maps provided as Figure 4 and Figure 5. As shown on these figures, the shallow water table is generally flat although the contours suggest a slight slope toward the west. The deep ground water is also generally flat and the contours also suggest a slight slope toward the west. The hydraulic gradient across the site is approximately 0.004 ft/ft.

Hydraulic conductivity data collected using rising and/or falling head tests from shallow and deep monitoring wells were evaluated during the PSA using the Bouwer and Rice method. The results are summarized on Table 2. The data indicate that hydraulic conductivity values at shallow wells range from approximately 0.001 to 0.004 ft/min (5.1×10^{-4} cm/sec to 2.0×10^{-3} cm/sec) across the site. The shallow wells are partially screened within fill material.

Hydraulic conductivity at deeper wells, calculated from the rising-head tests, ranges from 0.0004 ft/min to 0.005 ft/min (2.5×10^{-4} cm/sec to 2.5×10^{-3} cm/sec) within the deep ground water (Table 2). The hydraulic conductivity is less in the southwestern portion of the Former Rome Sentinel Property at MW-8D than in the northeastern portion at MW-6D. The deeper wells are screened within the silty clay or at the top of till. These materials are finer grained than the shallow sand and fill.

Attempts were made to collect undisturbed samples of the till unit during the PSA for the purpose of performing hydraulic conductivity tests on this material. Due to the density of the till, it was not possible to collect these samples. Therefore, no permeability data was generated for the till unit.

4. NATURE AND EXTENT OF CONTAMINATION

The following section provides a discussion of the nature and extent of contamination based on findings from the PSA and RI. The evaluation of nature and extent of contamination includes comparison of analytical results with NYSDEC standards and guidance to screen the data for potential constituents of concern. Constituents of concern potentially related to MGP operations, specifically BTEX, CPAHs, and cyanide, were used to evaluate impacts to soil, ground water, and soil vapor.

Analytical results for surface soils were compared to *6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial Soil Cleanup Objectives (SCO)*. As discussed in Section 1.4 impacted surface soils were mitigated during the IRM, therefore this comparison is presented in Table 5, the subsurface soil table, and the previously defined surface soils are noted.

Analytical results for subsurface soil were compared to *6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial Soil Cleanup Objectives (SCO)* with the exception of the Secor Property. Analytical results from the Secor Property were compared to *6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health Residential SCOs*. This comparison of individual compounds to Part 375 SCOs is presented in Table 4 through 6.

In addition to analytical data, observations of impacted soil and water were noted in drilling, test pit, and ground water sample logs for use in the evaluation of MGP related impacts. MGP-impacted material is characterized by observations of odor, sheen, or NAPL blebs. Observations of NAPL/NAPL saturated soil, tar, or a combination of heavy sheen and staining is considered to represent heavily MGP-impacted material.

Figures 14 through 21 provide a visual representation of locations where individual BTEX compounds were detected above Part 375 SCOs or total concentrations of PAHs and CPAHs were detected above the total screening criteria of 500 mg/kg and 10 mg/kg, respectively. In addition, these figures also include observations of staining, sheens, NAPL and tar to further illustrate the extent of impacted soil. Each map represents a 4-ft depth interval beginning at the surface and extending to the 44 to 48 ft interval. Figure 22 provides a visual representation of locations and sample intervals where cyanide was detected above Part 375 SCOs.

Ground water sample results were compared to New York State Class GA Ground Water Standards or guidance values as presented in the Division of Water Technical and Operational Guidance Series 1.1.1 entitled *Ambient Water Quality Standards and Guidance Values and Ground Water Effluent Limitations* – (NYSDEC TOGS). The analytical data and ground water criteria are summarized on Table 7 through 9.

Figures 23 and 24 provide a visual representation of locations where concentrations of individual BTEX and PAHs compounds and cyanide were detected in ground water and also where concentrations were above NYSDEC TOGS in the shallow and deep wells. Field observations such as the presence of NAPL blebs or sheen are also presented.

For the purpose of discussing subsurface soil, the Site is segregated into six areas consisting of the three parcels that make up the Site, (Rome Sentinel, Western Parcel, and the Eastern Parcel), two properties located in between the parcels (Secor Property and former Polka Dot Dry Cleaners) and other off -site areas that border the Site. Ground water is discussed on a Site wide basis.

4.1. FORMER ROME SENTINAL PROPERTY

Surface Soil

No additional soil investigations were conducted during the RI on this property. As previously discussed, as part of an IRM a soil cover was placed over this parcel to minimize potential contact with on-site surface soils. Figure 3 presents the cover thickness established at specific locations by a pre- and post-IRM survey. As illustrated on this figure, the surface cover thickness ranges from approximately 0.25 ft to over 2 ft in the area where subsurface soils were excavated. This cover was deemed sufficient by the NYSDEC and NYSDOH given that there

would be deed restrictions placed on the property as previously discussed. Therefore, impacted surface soils are not currently present on this parcel. Surface soils that were originally collected from the 0 to 0.5-ft interval and subsequently covered with clean fill during the IRM are now included in the subsurface soil discussion that follows.

Subsurface Soil

A summary of the subsurface soil analytical data is provided on Tables 4 through 6. In general, BTEX compounds were not detected in subsurface soils at concentrations above Part 375 SCOs at the fifteen locations on this Parcel. Similarly, cyanide was not found to be present above the screening criterion of 27 mg/kg. The majority of the PAH-impacted soils defined during the initial investigations were removed during IRM actives. Figures 3 show the areas where impacted soil still remains and the extent of subsurface excavations.

The northern excavation of the IRM was completed around soil boring SB-2 and the southern excavation was completed around soil borings SB-6 and SB-7. Based on the results of the post-excavation verification samples the IRM clean-up objectives were achieved with the exceptions of the north and east walls of the northern excavation and the north and south walls of the southern excavation. Figure 14 illustrates the exceedances along the property boarders of the soils not removed during the IRM. Figure 3 illustrates the exceedances of the specific post-excavation verification samples. The northern excavation's north wall indicates total CPAHs of 84.5 mg/kg but was not extended because it had reached the property boundary at Woodrow Ave. Also the east wall sample exhibited total CPAHs of 26.2 mg/kg but could not be extended because it is located against the fence along the Eastern Parcel.

The southern excavation's south wall indicates total CPAHs of 16.61 mg/kg but was not extended due to the property boundary with Erie Boulevard. The north wall of the southern excavation exhibited 10.26 mg/kg of total CPAHs but was not extended as it appeared the majority of the impacted soil was removed. The IRM cleanup objectives were 10 mg/kg of total CPAHs and the on-site NYSDEC representative agreed with the assessment.

Soil samples collected from SB-2, below the final IRM excavation depth of approximately 6.5 feet blgs, contain total CPAHs above screening criteria to a depth of 24 ft. Review of Table 5 indicates that the concentrations of total CPAHs in these deeper samples range from 416 mg/kg in the 6 to 8 ft sample to 12.6 mg/kg in the 24 ft sample. As illustrated on Figures 15 through 21, no CPAHs or PAHs are present in soils above the screening levels in the area of the southern IRM excavation.

4.2. WESTERN PARCEL

Surface Soil

As discussed in the PSA Report, surface soil samples were not collected from this parcel as the surface is covered by gravel or topsoil and seed.

Subsurface Soil

Tables 4 through 6 summarize the soil analytical data and provide a comparison to Part 375 SCOs for individual constituents as illustrated on these tables. Individual BTEX and PAHs compounds were not detected above Part 375 SCOs at the nine locations sampled on the Western Parcel. In addition, concentrations of total CPAHs were less than screening criteria at all nine locations (Figures 14 through 21).

As depicted on Figures 14 through 16 visually impacted soils were observed adjacent to the concrete slabs associated with the former 250,000 cubic foot gas holder and the former at grade oil tank. NAPL and staining was observed at TP-02 and TP-03. At TP-02 NAPL was observed at approximately 8 to12 ft and field observations suggest that the material is consistent with coal tar residues. Sheen and staining observed at 6 to10 ft within TP-03 located between the 250,000 cubic foot gas holder and the former oil tank is believed to be associated with the former at-grade oil tank based on field observations of diesel like impacts in soils excavated from this test pit.

To assess the mobility of observed NAPL, PZ-01 was installed within TP-03 and PZ-02 was installed within TP-02 and screened within the impacted soil observed. No measurable NAPL was observed or recovered from these locations during the subsequent bailing and gauging efforts. Therefore, the NAPL observed in this area is not considered to be recoverable and migration of NAPL from these areas is expected to be limited.

Concentrations of cyanide were detected above Part 375 SCOs at two locations, SB-35 and TP-03, which are located in the southwest section of the property (Figure 22). Cyanide may be associated with purifier waste generated by MGP operations. Although visual evidence of purifier waste in the form of wood chips or blue staining was not observed, purifier waste may have been stockpiled on this property during the MGP operations located on the Eastern Parcel. Consequently, residual cyanide may be present in the soil. In addition, cyanide has also been found to be associated with some coal tars, which also may be responsible for the presence of cyanide observed on this parcel. Cyanide was also found to be present in soil on the northern section of the parcel but at levels below Part 375 SCOs.

4.3. EASTERN PARCEL

Surface Soil

As discussed in the PSA Report, surface soil is not present on this parcel due to the presence of surface cover consisting of an asphalt parking lot and the Burger King restaurant building.

Subsurface Soil

As previously discussed, drilling locations on this property were hand-cleared in an effort to avoid damaging utilities. Therefore, no subsurface soil samples were collected from the 0 to 4-foot interval for analysis. Field observations and historical information indicate that several phases of redevelopment have taken place on this parcel and in general, material in the upper 4-ft consists of foundations and urban fill.

A summary of the subsurface soil analytical data is provided on Tables 4 through 6 together with the Part 375 SCOs. In general, the tables show that individual BTEX compounds were detected at concentrations above Part 375 SCOs at three locations on this parcel. One or more PAH compounds were detected at concentrations above Part 375 SCOs at 11 locations and cyanide was detected at concentrations above Part 375 SCOs at three locations.

Figures 14 to 21 illustrate the distribution of individual BTEX compounds and total PAHs above screening criteria as well as the presence of other indicators of impacted soils (staining, NAPL, sheen) as identified by field observations. As illustrated on these figures, MGP-related impacted soil is observed at multiple locations on this property between 4 and 20 feet below grade. Below 20 ft impacts are limited to exceedances of one or more of the BTEX compounds or the total PAH screening values and sheens with the exception of location SB-54 where NAPL was still noted to a depth of approximately 24 ft. NAPL-containing soils were typically identified in the more shallow (4 to 20 ft zone) in the vicinity of the former production area located on the west side of this parcel. NAPL-impacted soils near the former holders begins slightly deeper and extends to 20 ft below grade. The locations where NAPL was found on the Eastern Parcel are within the property boundaries. However, field observations and analytical data indicate that impacts to soil were observed between 4 and 16 ft within the MW-14 boring located on the Polka Dry cleaner property. It is likely that these impacts are related to the impacted soil observed at SB-36 located on the Eastern Parcel.

Visual evidence of tar was observed at three general locations during the investigation: on the northwest side of the parcel at SB-36, at SB-44 located on the western corner of the parcel, and at SB-41A and SB-41, located to the southwest of the Burger King building. At SB-36, tar was found to be present within a silt and clay layer identified between 4 and 12 ft below grade. Tar was also noted to be present within a peat layer between 6 and 10 ft in SB-44. The log for this boring also indicates that wood was present above this peat layer. It is unclear as to whether the wood that was encountered represents construction debris, is a remnant of a former structure, or an old wooden pipe used by the MGP.

Viscous tar was observed to be present in the shallow fill material at SB-41A. The separate phase tar is defined as a dark brown to black, viscous fluid contained within the pore spaces of the subsurface material that exhibits sheen and iridescence. Given that SB-41A was noted to be in the vicinity of the former tar well based on the historical maps, the boring was discontinued at 8 ft and a second boring SB-41 was completed nearby to further assess the extent of this tar material. This boring encountered a dry, crumbly tar at the same general depth.

As discussed in Section 2.4, to further delineate separate phase tar that was observed during the installation of SB-41A and SB-41, a series of eighteen soil borings were completed in a grid pattern around these borings. The results of this investigation concluded that tar was generally encountered in a single line of borings that trends approximately east-west. Brown sandy silt was encountered in borings to the north of these locations. Although the borings to the south encountered some black sand and dark brown to black peat, these materials did not contain separate phase tar suggesting that horizontal bleeding of the tar is limited. Tar was encountered at boring, TB-08, located on the western edge of this line of borings adjacent to the Burger King building. At this location a 2- inch layer of tar was observed on top of a solid obstruction (possible historic foundation or footer for the existing building). Due to this obstruction, the vertical extent could not be evaluated at this location. Furthermore, due to the presence of the Burger King Restaurant 3 ft to the west, an additional boring could not be completed so the western extent of the tar was not defined.

As shown on Figure 27, the resulting pattern of occurrence of the tar is a rectangle that is approximately 20 ft wide and 45 ft long. Vertically, tar was observed from approximately 2 feet below grade to between 10 and 12.5 ft below grade. Also no tar well or associated structure was observed in this area. To assess the potential mobility and recoverability of the tar identified in SB-41A, an observation well, OW-1, was installed in this area (Figure 2). During the drilling of OW-01 a thick coating of tar was observed covering the split spoon sampler and augers. OW-01 was installed in the impacted soil and screened to fully intersect the observed tar. The well was periodically bailed and inspected for the presence of free-phase tar. However, no measurable or recoverable tar was observed within the well suggesting that the material is not recoverable.

Chlorinated VOCs were also detected in soil at several soil boring locations located across this property. Analytical data summarized in Table 4 indicates chlorinated VOC- impacted soil ranges from 4 ft blgs on the border with the Polka Dot Dry cleaners to 42 ft blgs on the southern portion of this property. Chlorinated VOCs are not related to historic MGP operations and may be related to the past operations of dry cleaning operations in the area.

Soil Vapor/Subslab

Two sampling events were conducted to evaluate vapor intrusion pathways to the Burger King Restaurant located on this Parcel. Specifically, four soil vapor samples designated SV-1, SV-2, SV-3 and SV-4 were collected from around the perimeter of the Burger King Restaurant building on June 14, 2005. A second sampling event occurred on November 8, 2007 that included the collection of subslab vapor samples from beneath the building (SS-01 and SS-02) and collection of additional soil vapor samples from two of the previously-sampled locations (SV-2 and SV-4). Constituents detected in the soil vapor and subslab vapor samples are summarized in Table 10. Results are presented in units of micrograms per cubic meter ($\mu g/m^3$). Sample locations are provided on Figure 2.

On September 28, 2005 O'Brien & Gere, along with representatives of NYSDEC and NYSDOH toured the Burger King Restaurant for the purpose of identifying penetrations or cracks within the floor slab of the building. Several slab penetrations were identified that were used for drains and a grease trap. However, the identified penetrations were sealed off to the sub-slab materials by connection directly to the city sewer system, sealed conduits or boxes. Therefore, there are no preferential pathways for vapor intrusion into the restaurant. Representative photographs of the slab penetrations observed are provided in Appendix D.

Table 10 is organized with the constituents that may potentially be related to MGP residuals at the bottom. Many of these constituents are also found in a variety of common petroleum products such as gasoline and fuel heating oil. With respect to the soil vapor samples, detectable concentrations of a variety of compounds were identified in the samples. The concentrations of potentially MGP-related constituents were also identified.

However, given the presence of the parking lot and associated vehicles, it was not possible to conclude that the source of these constituents was MGP-related or gasoline-related. The subslab samples also contained detectable concentrations of potentially MGP-related constituents. The highest concentration observed was 53 µg/m^3 of toluene at SS-01, which is located near the front serving counter. Upon review of the data collected, the NYSDOH concluded that the concentrations of MGP-related constituents were low and were not of concern with respect to a potential vapor intrusion pathway through the floor slab of the building. However, CVOCs were also detected in the subslab samples that may need to be addressed by NYSDOH.

4.4. POLKA DOT DRY CLEANER PROPERTY

Surface Soil

Surface soil is not present at the Polka Dot Dry Cleaner property. The surface of the property is covered by the building, asphalt, or gravel.

Subsurface Soil

A summary of the subsurface soil analytical data is provided on Tables 4 through 6. Individual BTEX compounds were detected at seven locations in this property however the concentrations were below Part 375 SCOs. Cyanide was not detected in the samples collected from this property.

PAHs were detected in nine samples collected from two locations on this property. As depicted on Figures 14 through 17 impacted soils were observed at MW-14 and TW-01. Impacted soil at TW-01 is limited to soil with total CPAH concentrations above screening criteria in the sample collected from 2 to 3 ft below grade. TW-01 is located under the Polka Dot Dry Cleaners building. At MW-14 impacted soil consisted of soil containing total CPAH and PAH concentrations above screening criteria and the presence of stained soil. The visually impacted soil observed at MW-14, which is located on the edge of the property bordering the Eastern Parcel, is at a depth of 8 to 16 ft. Impacted soil consisting of NAPL, tar, and stained soil in was also observed in nearby boring SB-36, located on the Eastern Parcel, at a depth of 4 to 12 ft. The NAPL and tar observed at SB-36 is likely related to the similar materials observed at MW-14. Impacted soil is limited to the area immediately around MW-14 and does not extend to downgradient locations MW-09 and MW-09D suggesting that migration is limited.

Chlorinated VOCs were also detected in soil on this property at TW-01, TW-02, and TW-03 located under the Polka Dot Dry Cleaners building and at MW-14 and MW-09D located adjacent to the building. Analytical data summarized in Table 4 indicates chlorinated VOC- impacted soil ranges from 6-12 ft on this property. Chlorinated VOCs are not related to historic MGP operations and may be related to the past operations of the dry cleaner on this property.

4.5. SECOR PROPERTY

Surface Soil

Surface soil samples were not collected on this property, as it was always a residential parcel.

Subsurface Soil

A summary of the subsurface soil analytical data is provided on Tables 4 through 6. Individual BTEX and PAHs compounds were not detected above Part 375 at the two locations sampled on this property with the exception of Benzo(a)pyrene (BaP), which was detected above the Part 375 SCOs at SB-53 from 8 to 10 ft below grade. The concentration of BaP was 1.2 mg/kg and the Part 375 SCO is 1 mg/kg. This boring is located on the eastern boundary of the property that borders the Eastern Parcel. As illustrated in Figures 14 through 21 total CPAH and PAH concentrations and individual BTEX compounds were below screening criteria and no visually impacted soil was observed. Concentrations of cyanide were not detected above Part 375 SCOs on this property.

4.6. OFF SITE

This evaluation of off-site soils has been segregated into three discussions. The evaluation of soils along Woodrow Ave, east of Madison St., and within and south of Erie Boulevard. A summary of the subsurface soil analytical data is provided on Tables 4 through 6 and Figures 14 to 21.

Woodrow Ave

As previously discussed, Woodrow Ave. occupies what was once the Rome Canal. To assess whether site related constituents may be present within the backfill of this canal, seven borings were completed. Samples were generally collected from fill material placed during the filling of the former canal and from native material below the fill. The results of the investigation revealed that visual evidence of MGP-related materials were not present. The analytical results indicate that total CPAHs were found to be present within the canal fill material at boring locations SB-30, SB-32 and SB-33 located near the Eastern Parcel. Review of the logs indicates that this is fill material and ash was identified in at least one of the samples suggesting that the CPAHs is most likely associated with the fill material and not evidence of migration from the Eastern Parcel.

In addition, gasoline odors were noted between 10 to 12 ft in SB-33. BTEX and PAH concentrations were also elevated in the samples collected from this interval. The NYSDEC was notified of the observations of the apparent gasoline identified at this location and Spill Number 012258 was assigned. However, NYSDEC indicated that it was likely related to a spill at a gasoline station located along Dominick Street. Review of the NYSDEC on-line Spills Database reveals that there are two reported spills on West Dominick Street; one for 400 West Dominick Street (#8706960) and the other for 401 West Dominick Street (# 8607346). The impacts observed in this area are, therefore, not considered to be site-related.

East of Madison St.

To evaluate potential migration of MGP related constituents off-site toward Madison St. two borings (SB-45 and SB-46) were completed across Madison St from the Eastern Parcel. No MGP impacted soil was observed in these borings. As shown on Tables 4 through 6, individual BTEX or PAH compounds were not detected at concentrations above reference criteria at these two locations. Cyanide was only detected in one of the samples at a concentration of 0.24 mg/kg which is considered to be representative of background.

Downgradient

To evaluate potential migration of MGP related constituents from the Eastern Parcel off-site toward Erie Boulevard soil samples were collected from two soil borings (SB-47 and SB-48) completed within and on the southwest side of Erie Boulevard. No MGP-related impacted materials were observed. Low concentrations (below 2 ug/kg) of individual BTEX compounds were detected in the soil samples from these borings. In addition, PAH compounds were only detected in one of the samples from boring SB-47 at concentrations less than 1 mg/kg. Given the location of these borings near and under roadways, the presence of the BTEX and PAHs compounds do not suggest that migration of MGP-related constituents from the Eastern Parcel has occurred.

4.7. GROUND WATER

The current monitoring well network on site consists of twenty-nine monitoring wells. Of the twenty-nine monitoring wells eighteen were installed to monitor shallow ground water and eleven monitor deep ground water. Ground water contours are presented on Figure 4 for shallow ground water and Figure 5 for deep ground water. As shown on these figures and discussed in Section 2.9, ground water in the upper and lower portion of the unconsolidated aquifer flows to the west.

As previously discussed, the most recent and complete set of ground water samples were collected in December 2007 and analyzed for BTEX, PAHs, and cyanide. These results were used for the following discussion of ground water quality. Ground water quality data were compared to ground water standards and guidance values for a Class GA ground water presented in TOGS as ground water screening criteria and are provided on Tables 7 through 9. Figure 23 and Figure 24 provide a visual representation of BTEX, PAHs, and cyanide detected above

individual ground water screening criteria during the most recent sampling event for shallow and deep ground water respectively.

As illustrated in Figure 23, concentrations of BTEX and PAH compounds detected in shallow ground water above criteria are limited to the downgradient side of the parcels. These compounds were detected in five shallow wells (MW-04, MW-05, MW-08S, MW-11, and MW-14) across the Site. MGP-related constituents have been identified to be present in the ground water on each of the three parcels comprising the Site as well as in MW-14 located on the Polka Dot Dry cleaners property. BTEX and PAH compounds were not detected in shallow monitoring wells located downgradient from the Site on the other side of Erie Boulevard nor were they detected in MW-15S located across from Madison St. from the Eastern Parcel. This suggests that horizontal migration across the roadways is not occurring. Overhead and other subgrade utilities and traffic in these areas prohibited evaluation of the potential migration along the sewer line bedding. With respect to MW-14, these constituents were not detected in the ground water at the other wells located downgradient and on this property. This suggests that the constituents identified in the ground water at MW-14 are associated with the impacted soil also identified at this location.

As illustrated in Figure 24 concentrations of BTEX and PAH compounds detected in deep ground water above criteria are limited to two locations (MW-16D and MW-20D) on the Eastern Parcel. MW-20D is located downgradient of the former gas holders. This well is set on top of till and screened between 26 and 31 ft below grade and NAPL was identified to be present within the soil in this area to a depth of 20 ft below grade. MW-16D is located at the corner of Madison St. and Erie Boulevard. Although soil samples did not contain PAHs or BTEX compounds above screening criteria, the log of this well indicated that black fill with a naphthalene odor was present to 11.5 ft below grade which is likely contributing to the constituents identified. Based on the presence of MTBE, a gasoline additive, in the ground water the contamination is likely attributable to gasoline.

BTEX compounds, when detected, were at concentrations below criteria in downgradient deep wells MW-17D, MW-21D and MW-22D. PAHs were only detected in MW-17D at concentrations below the ground water criteria. The concentrations observed were generally between 1 and 4 μg/L.

Concentrations of cyanide above the ground water criteria are limited to the shallow monitoring wells on the Western Parcel (Figure 23). As previously discussed, cyanide was found to be present above criteria in the soils on this parcel as well and is thought to be related to the potential stockpiling of purifier waste on this parcel. Cyanide was also detected in some of the wells on the properties abutting the Western Parcel. However the concentrations were well below the ground water criterion of 200 μg/L. Cyanide was not consistently detected in the deep wells and, when detected, the concentration was below the ground water criterion.

CVOCs were also detected in the ground water in both shallow and deep wells as shown in Figures 25 and26. In the shallow wells, concentrations were above the ground water criteria in locations on the Western Parcel, Eastern Parcel and Polka Dot Cleaner property. In the deep wells, concentrations were found above ground water criteria at MW-20D on the Eastern Parcel and in MW-17D located downgradient of the Eastern parcel. As previously discussed, CVOCs are not considered to be site related and likely originated at one of the former drycleaner establishments in the area.

5. QUALITATIVE EXPOSURE ASSESSMENT

A qualitative assessment of the potential for receptors to be exposed to site-related constituents was completed for the Site. Consistent with the New York State Department of Health (NYSDOH) guidance for qualitative exposure assessment as described in Appendix 3B of NYSDEC' Draft TAGM DER-10, the assessment consisted of the following steps:

- characterizing the exposure setting (including the physical environment and potentially exposed human populations)
- identifying complete and potentially complete exposure pathways
- evaluating contaminant fate and transport.

5.1. CONSTITUENT FATE AND TRANSPORT CHARACTERISTICS

Constituents of concern identified at the Site that are associated with MGP-operations include BTEX and PAH compounds, as well as cyanide.

According to the Agency for Toxic Substances and Disease Registry (ATSDR) *ToxFAQs® for Polycyclic Aromatic Hydrocarbons*, while some PAHs can volatilize to the air to some extent, they most commonly migrate in the air by sorbing to small particles that become entrained in the air as dust. Most PAHs do not readily dissolve in water, but will attach to soil and sediment particles. In surface water bodies PAHs will migrate with the sediments via typical sediment transport mechanisms. Transport in the ground water is limited due to the preference for adsorption of most PAHs to subsurface soil.

BTEX compounds are volatile organic compounds. These compounds volatilize readily and therefore, can migrate via air and degrade when exposed to the atmosphere. BTEX compounds can also migrate as vapors through unsaturated soil, and subsequently into outdoor or indoor air. BTEX compounds are also soluble in ground water.

According to the ATSDR *ToxFAQs® for Cyanide,* cyanide enters the environment from both natural processes and human industrial activities. If detected in air, then cyanide is mainly found as gaseous hydrogen cyanide, and in less volatile forms associated with fine dust particles. Some cyanide compounds in soil can form hydrogen cyanide and evaporate, while some compounds are transformed into other chemical forms by microorganisms. However, ferric ferrocyanide, and other iron cyanide solids, are the predominant form of cyanide associated with MGP residuals. These iron cyanides typically dissolve into iron cyanide complexes (Ghosh, et al, 1999) when leached. The rate of dissociation of iron cyanide complexes to free cyanide/hydrogen cyanide is very slow in the subsurface, and little hydrogen cyanide is expected to be associated with MGP sites. In high concentrations in soil, cyanide can pass through soil into ground water.

The three Site parcels each has different characteristics, therefore three individual qualitative exposure assessments were completed.

5.2. EASTERN PARCEL

5.2.1. Current and Future Site Use

The current and reasonably anticipated future use of the property is the major factor that determines the potential for exposure to detected constituents. The Site is located is a mixture of commercial and residential properties. National Grid does not own the Eastern Parcel, which is currently used as a commercial property and occupied by a Burger King Restaurant. The surface of this parcel is covered predominately with asphalt. The reasonably anticipated future use of this parcel is expected to be commercial.

Ground water in the area is not used for potable water supplies and the properties are connected to City of Rome water supply.

5.2.2. Constituents of Concern

Surface soil was not addressed during the investigations due to the presence of asphalt pavement across the property. Subsurface soil was found to contain concentrations of PAHs and BTEX compounds above the screening criteria in several areas. One of the subsurface areas was found to extend offsite on to the Polka Dot Cleaners property (Figure 27).

Current ground water data indicates that PAHs and BTEX compounds were detected above ground water criteria.

A soil vapor and subslab vapor investigation was also completed and MGP constituents were not found to be present at concentrations of concern.

5.2.3. Contaminant Transport

Based on the analytical data from sampling programs as presented in Section 4.7 of the RI Report, offsite ground water contaminant transport appears to be limited either by rapid degradation and/or interception by the storm sewer running along Madison Avenue and Erie Boulevard.

Airborne transport of contaminants adhered to dust would not be expected to occur under normal circumstances due to the presence of asphalt pavement. However, there would be a potential for airborne transport should construction activities occur that breach or otherwise remove the pavement.

As previously discussed, BTEX and PAH constituents were not detected above levels of concern in soil vapor or subslab vapor samples collected on this parcel. The vapor migration pathway was therefore, not addressed further during this risk evaluation.

5.2.4. Potential Receptors

A potential receptor is the population that is or may be exposed to contaminants at a point of exposure; the following receptors may be present at the Eastern Parcel:

Off site

- Owners or patrons of the adjacent property (Polka Dot Cleaners)
- Utility or contractors working at the off-site properties

On site

- Patrons of the Burger King restaurant and local residents (adults and children) walking through the area.
- Utility or construction workers working on the property

Current and future receptors are considered to be similar.

5.2.5. Potential Exposure Pathways

Surface Soils

Under existing and future use scenarios, the site will likely remain a commercial property with an asphalt parking lot. Therefore, there is no complete exposure pathway for surface soils.

Subsurface Soils

A potentially complete exposure pathway exists for on site and limited off site subsurface soils. The receptor population includes property owners and construction, and utility workers who would remove the asphalt pavement and come into contact with underlying soils. Routes of exposure include direct dermal contact,

inhalation, or accidental ingestion. Under future conditions, the exposures above would include the same population.

Ground Water

A potential exposure pathway exists for construction and utility workers coming into contact with ground water underlying the parcel. However, ground water in this area lies approximately 10 ft below grade so the exposure potential is reduced. Routes of exposure include direct dermal contact, inhalation, or accidental ingestion. Under future conditions, the exposures above would include the same population.

There are no nearby users of ground water for water supply.

5.2.6. Summary

Based on the qualitative exposure assessment, there are potentially complete exposure pathways for PAHs, BTEX, and cyanide compounds in subsurface soil, and/or ground water.

A potentially complete exposure pathway exists for constituents in subsurface soils and ground water on this parcel and on the Polka Dot property adjacent to this parcel. The exposure pathways are direct dermal contact, inhalation, and accidental ingestion. This type of exposure would occur only if potential receptors were to dig through the pavement and come into contact with subsurface soils or ground water.

Future potential exposures will be similar to current exposures.

5.3. ROME SENTINEL PARCEL

5.3.1. Current and Future Site Use

The current and reasonably anticipated future use of the property is the major factor that determines the potential for exposure to detected constituents. The area in which the Site is located is a mixture of commercial and residential properties. National Grid currently owns the Rome Sentinel Parcel and it is unoccupied. The parcel is currently seeded and maintained as grassland and no fencing is present. Impacted soils were previously removed from two areas and backfilled with imported soil as part of the IRM. The surface of the parcel was subsequently covered with 0.25 to 2 ft of soil and grass was planted. The IRM goal of 2 ft cover across the Site was not completed however the cover was deemed sufficient by the NYSDEC and NYSDOH given that there would be deed restrictions placed on the property.

Currently, use restrictions for the property are as follows:

- Site would only be used for commercial or light industrial purposes
- No on-site ground water supply
- No excavation below the cover without prior notice to, and approval from NYSDEC and NYSDOH

In the future, this parcel may remain undeveloped or the property may be sold for commercial or light-industrial use.

Ground water in the area is not used for potable water supplies and the parcel has access to the City of Rome water supply.

5.3.2. Constituents of Concern

The surface of the site was covered with soil following the IRM. Therefore impacted surface soil is not present. Subsurface soil was found to contain concentrations of PAHs and BTEX compounds above the screening criteria in several areas.

Current ground water data indicates that PAH and BTEX compounds were detected above ground water criteria on the southern end of the Parcel. The depth to ground water is between 6 and 7 ft below grade.

5.3.3. Contaminant Transport

Based on the analytical data from sampling programs as presented in Section 4.7 of the RI Report, offsite ground water contaminant transport appears to be limited either by rapid degradation and/or interception by the storm sewer running along Madison Avenue and Erie Boulevard.

Airborne transport of contaminants adhered to dust would not be expected to occur under normal circumstances due to the presence of a seeded soil cover. However, there would be a potential for airborne transport should future activities occur that breach the soil cover.

5.3.4. Potential Receptors

A potential receptor is the population that is or may be exposed to contaminants at a point of exposure; the following receptors may be present at the Rome Sentinel Parcel:

- Trespassers (adults and children) walking through the area.

If the site is redeveloped for commercial use, the future receptors would be as follows:

- Property owners working on the property
- Utility or construction personnel working on the property
- Trespassers (adults and children) walking through the property

5.3.5. Potential Exposure Pathways

Surface Soils

Surface soils are not considered to be impacted. Therefore exposure to surface soils is not a complete exposure pathway.

Subsurface Soils

Under current conditions exposure to subsurface soils is not a complete pathway as trespassers were not expected to breach the surface cover. Under future use scenarios a potentially complete exposure pathway exists for subsurface soils, particularly during redevelopment activities. The receptor population includes property owners and construction, and utility workers who would remove the soil cover and come into contact with underlying soils. Routes of exposure include direct dermal contact, inhalation, or accidental ingestion.

Ground Water

Under current use, there is no complete exposure pathway to ground water. A potential exposure pathway exists under future use scenarios for property owners, construction and utility workers coming into contact with ground water underlying the parcel. Routes of exposure include direct dermal contact, inhalation, or accidental ingestion. Under future conditions, the exposures above would include the same population.

There are no nearby users of ground water for water supply.

5.3.6. Summary

Based on the qualitative exposure assessment, no potential exposure pathways exist under current conditions. Under future commercial or light industrial use scenarios there are potentially complete exposure pathways for PAHs and BTEX compounds in subsurface soil, and/or ground water.

5.4 WESTERN PARCEL

5.4.1. Current and Future Site Use

The current and reasonably anticipated future use of the property is the major factor that determines the potential for exposure to detected constituents. The area in which the Site is located is a mixture of commercial and residential properties. National Grid owns the Western Parcel. The parcel contains a natural gas regulator station consisting of two small buildings housing pressure valving and several underground pipelines that transport natural gas. Access to the parcel is restricted by a fence with a locked gate. Utility employees

periodically visit the station for routine operation and maintenance activities. The majority of the surface of the parcel is covered by gravel. The concrete ring foundation and pad of the larger former distribution holder remains in place. Future use of this parcel is expected to remain the same as the current use.

Ground water in the area is not used for potable water supplies and the parcel has access to the City of Rome water supply.

5.4.2. Constituents of Concern

The surface of the site is covered with gravel. Therefore, no surface soils are exposed. Subsurface soil was found to contain concentrations of cyanide, PAHs and BTEX compounds above the screening criteria in several areas.

Current ground water data indicates that cyanide and PAH and BTEX compounds were detected above ground water criteria on the southern end of the Parcel. The depth to ground water is between 6 and 7 ft below grade.

5.4.3. Contaminant Transport

Based on the analytical data from sampling programs, as presented in Section 4.7 of the RI Report, offsite ground water contaminant transport appears to be limited either by chemical degradation and/or interception by the storm sewer running along Madison Avenue and Erie Boulevard.

Airborne transport of contaminants adhered to dust would not be expected to occur under normal circumstances due to the presence of a gravel cover. However, there would be a potential for airborne transport should activities occur that breach the gravel cover.

5.4.4. Potential Receptors

A potential receptor is the population that is or may be exposed to contaminants at a point of exposure, the following receptors may be present at the Western Parcel:

- National Grid personnel and subcontractors working on the property

Due to the fence, it is unlikely that trespassers will access the site.

Future use is expected to be the same as current use.

5.4.5. Potential Exposure Pathways

Surface Soils

Surface soils are not exposed as a result of the gravel cover. Therefore exposure to surface soils is not a complete exposure pathway.

Subsurface Soils

A potentially complete exposure pathway exists for subsurface soils. Specifically National Grid personnel or subcontractors who would excavate beneath the gravel surface may come into contact with impacted subsurface soils. Routes of exposure include direct dermal contact, inhalation, or accidental ingestion.

Ground Water

A potentially complete exposure pathway exists for National Grid personnel or subcontractors to come into contact with ground water underlying the parcel. Routes of exposure include direct dermal contact, inhalation, or accidental ingestion.

There are no nearby users of ground water for water supply.

5.4.6. Summary

Based on the qualitative exposure assessment, there are potentially complete exposure pathways for cyanide, PAHs and BTEX compounds in subsurface soil and/or ground water. .

Summary and Conclusions

The Rome (Jay & Madison St) Former MGP Site consists of three parcels: the Rome Sentinel Parcel, the Western Parcel, and the Eastern Parcel. Two additional properties located in between the parcels, the Secor Property and former Polka Dot Dry Cleaners, were also evaluated as part of the investigation efforts.

The following conclusions are drawn based on the data collected during the PSA/IRM and the RI.

Site Characteristics

The Rome (Jay & Madison St) Former MGP Site is located within the City of Rome. Properties surrounding the Site include commercial, light industrial and residential uses. The topography of the Site is relatively flat with elevations ranging from 430 to 437.5 ft above mean sea level (msl).

In general, the site is underlain by fill and fluvial sand and silty clay deposits, overlying dense glacial till and/or shale bedrock.

Fill material was placed over the native deposits across most of the site. The fill thickness ranges from approximately 5 ft on the Former Rome Sentinel Property and Western Parcel to approximately 15 ft on the Eastern Parcel where the MGP operations were historically located.

Ground water occurs within the unconsolidated deposits at depths of 5 to 8 ft below grade. The ground water table is generally flat with a slight gradient towards the southwest. The hydraulic gradient across the site is approximately 0.004 ft/ft. Ground water in the deeper portion of the unconsolidated aquifer also flows towards the southwest.

Site Conditions

Former Rome Sentinel Property

The Rome Sentinel parcel occupies 0.5 acres. No MGP operations were reportedly conducted on this property. However, investigations conducted by NMPC indicated the presence of PAHs, VOCs, and metals, which are indicative of MGP byproducts.

An IRM was completed on the Former Rome Sentinel Property in 1999. The IRM involved excavation of approximately 1,900 cubic yards (cu yds) of surface and subsurface soils containing PAHs in excess of NYSDEC cleanup goals, and the placement of topsoil over surface soils containing elevated PAH levels.

The majority of soils exceeding screening values on the Former Rome Sentinel Property were removed during the IRM. Some soil containing residual concentration of CPAHs above the screening criterion of 10 mg/kg are present along the edges of the excavations on the northeast and southeast property boundaries. In addition CPAHs are present in the soils at depths of 6.5 to 24 ft below grade at SB-2. No visual impacts were identified in these deeper soils.

Ground water in well MW-8S currently contains concentrations of VOCs and PAHs above ground water criteria. Although constituents were not detected in 2001 and 2005, the concentrations observed in April 2008 are lower than those identified in 1999 immediately following the IRM soil removal, and those collected in 2007, suggesting that they will improve over time.

The site is not fenced and is covered with grass. Based on the qualitative exposure assessment, no potential exposure pathways exist under current conditions. Under future commercial or light industrial use scenarios there are potentially complete exposure pathways for PAHs and BTEX compounds in subsurface soil, and/or ground water.

Western Parcel

The Western Parcel is approximately 0.5 acres in size. This parcel, currently owned by NMPC, contains a natural gas regulator station and two brick buildings. The parcel is secured by a six-foot high chain link fence, and

covered with crushed stone. The parcel formerly housed two at-grade manufactured gas holders (100,000 and 250,000 cf capacity) and an at-grade oil tank.

Elevated concentrations of cyanide were present in the shallow soil on the southwestern corner of the site. Cyanide was also found to be present above the ground water criterion at most of the wells on this parcel. It is suspected that the cyanide either originated as residuals from purifier waste that may have been temporarily stored on this parcel or from coal tar, which can contain cyanide. No evidence of purifier waste was observed in the soil borings or test pits completed on this parcel. Coal tar residuals were observed in the shallow soils on this parcel.

Soil adjacent to the former 250,000 cu ft gas holder contains visual evidence of NAPL related to MGP waste. Based on the investigations completed, NAPL observed in this area is not mobile or recoverable. Petroleum odors and staining was also noted to be present in the vicinity of the former fuel oil tank located on this property. No free NAPL was found to be present on the water table.

Ground water in the southwestern corner of this parcel contains BTEX and PAH compounds above ground water standards. The source of the ground water impacts is most likely related to impacted soil underlying and adjacent to the former gas holder and oil tank. Based on the hydraulically down gradient ground water quality data, the contaminant plume is not evident across Erie Boulevard.

Based on the qualitative exposure assessment, there are potentially complete exposure pathways for cyanide, PAHs and BTEX compounds in subsurface soil and/or ground water. This parcel is owned by National Grid and access is controlled by a fence with a locked gate. Therefore, potential receptors are limited to National Grid personnel.

Eastern Parcel

The Eastern Parcel is approximately 1.15 acres in size. This parcel, which is bordered on the east by Madison Street, and the west by Polka Dot Dry Cleaners, was the former location of the MGP, including coal storage, retort ovens, and gas purification activities. Two gas holders (23,000 and 50,000 cubic feet capacity) were also formerly located on the parcel. This parcel is currently occupied by a Burger King Restaurant. The surface is covered with an asphalt parking lot.

Heavily impacted soil as indicated by the presence of NAPL/NAPL saturated soil, tar, or a combination of heavy sheen and staining is present in several locations as shown on Figure 27. Vertically, the depth of heavily impacted soil is generally limited to less than 20 ft with the exception of one location where the impacted soil is present from 19 to 40 ft below grade. This suggests that the silty clay unit overlying the dense glacial till appears to limit vertical migration of NAPL in many of the locations on site. Residual contamination, consisting of soils where constituents of concern were identified at concentrations above screening criteria, extends deeper at some locations.

Impacted ground water was found to be present in the shallow and deep wells installed on this parcel. The ground water data at MW-19D, installed within the till and on top of bedrock, suggests that impacted ground water has not migrated vertically into the till unit. Impacted ground water does not appear to have migrated hydraulically down gradient and across Erie Boulevard.

The vapor intrusion pathway to the Burger King Restaurant building was evaluated. Based on NYSDOH review of the results of the subslab vapor samples, there is no significant potential for vapor intrusion of MGP-related constituents into the building.

Based on the qualitative exposure assessment, a potentially complete exposure pathway exists for constituents in subsurface soils and ground water on this parcel and on the Polka Dot property adjacent to this parcel. The exposure pathways are direct dermal contact, inhalation, and accidental ingestion. This type of exposure would occur only if potential receptors were to dig through the pavement and come into contact with subsurface soils or ground water. Future potential exposures will be similar to current exposures.

Polka Dot Drycleaner Property

This property was historically occupied by laundry and dry cleaning establishments. The most recent occupant was the former Polka Dry Cleaners. The vacant building and property are currently unoccupied. The surface is covered by asphalt or gravel.

Heavily impacted soil is present between 4 and 12 ft below grade on the southeastern boundary of this site adjacent to the Eastern Parcel as shown on Figure 27. The MGP-related impacted soil is down gradient from observed NAPL and tar located on the adjoining Eastern Parcel. Impacted soil is limited to the area immediately around MW-14.

In addition, chlorinated VOCs were detected in the soil on this property above criteria at multiple locations. These constituents are not MGP-related and most likely related to the past operations of a dry cleaner on this property.

With the exception of MW-14, ground water did not contain BTEX, PAH, or cyanide above criteria. This suggests that the constituents identified in the ground water at MW-14 are most likely related to the visually impacted soil found at this location and do not appear to be migrating hydraulically downgradient.

Secor Property

The Secor Property is occupied by a single-family residence. No known MGP-related activity was conducted on this property. No impacted soil or ground water was found to be present on this parcel.

The nature and extent of MGP residuals at the Site have been fully defined, and we recommend the commencement of a Feasibility Study.

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Table 1
Soil Sample Analysis Summary
National Grid
Rome (Jay Madison Street) Site
Rome, New York

Location	Depth	Date	VOCs	BTEX	SVOCs	PAHs	CYANIDE	METALS	MERCURY	Pesticide/ PCBs	TPH
MW-01	6 - 8	2/12/1998					X				
MW-01	6 - 8	2/11/1998		X		X					
MW-01	18 - 20	2/11/1998	X		X		X			X	
MW-02	8 - 10	2/11/1998	X		X		X	X		X	
MW-02	16 - 18	2/12/1998					X				
MW-02	16 - 18	2/11/1998		X		X					
MW-02	20 - 22	2/12/1998					X				
MW-02	20 - 22	2/11/1998		X		X					
MW-03	6 - 8	2/12/1998					X				
MW-03	6 - 8	2/11/1998		X		X					
MW-03	18 - 20	2/12/1998		X		X	X				
MW-04	6 - 8	2/13/1998	X		X		X	X		X	
MW-04	12 - 14	2/13/1998		X		X	X				
MW-04	18 - 20	2/13/1998		X		X	X				
MW-05	4 - 6	2/13/1998		X		X	X				
MW-05	12 - 14	2/13/1998		X		X	X				
MW-05	18 - 20	2/13/1998	X		X		X	X		X	
MW-06D	4 - 6	5/19/1998					X				
MW-06D	4 - 6	5/18/1998		X		X					
MW-06D	8 - 10	5/19/1998					X				
MW-06D	8 - 10	5/19/1998					X				
MW-06D	8 - 10	5/18/1998		X		X					
MW-06S	0 - 0.5	10/5/1998			X						
MW-07D	4 - 6	5/21/1998		X		X					
MW-07D	4 - 6	5/20/1998					X				
MW-07D	8 - 10	5/21/1998		X		X					
MW-07D	8 - 10	5/21/1998		X		X					
MW-07D	8 - 10	5/20/1998					X				
MW-07D	8 - 10	5/20/1998					X				
MW-07S	0 - 0.5	10/5/1998			X						
MW-08D	4 - 6	5/21/1998		X		X	X				
MW-08D	8 - 10	5/21/1998	X		X		X	X		X	
MW-08S	0 - 0.5	10/5/1998			X						
MW-09	10 - 12	10/14/1999	X		X		X	X	X	X	
MW-09	18 - 20	10/14/1999	X		X		X	X	X	X	
MW-09D	12 - 14	7/21/2003	X		X		X				
MW-09D	12 - 14	7/21/2003	X		X		X				
MW-09D	20 - 22	7/21/2003	X		X		X				
MW-09D	28 - 30	7/21/2003	X		X		X				
MW-09D	44 - 45.5	7/21/2003	X		X		X				
MW-09D	6 - 7.2	7/21/2003	X		X		X				
MW-10	6 - 8	10/14/1999	X		X		X	X	X	X	
MW-10	18 - 20	10/14/1999	X		X		X	X	X	X	
MW-14	4 - 6	7/22/2003	X		X		X				
MW-14	12 - 14	7/22/2003	X		X		X				
MW-14	22 - 24	7/22/2003	X		X		X				
MW-14	30 - 32	7/22/2003	X		X		X				
MW-18D	4 - 6	5/31/2005	X		X		X				
MW-18D	6 - 8	5/31/2005	X		X		X				
MW-18D	14 - 16	5/31/2005	X		X		X				
SB-02	6 - 8	2/12/1998	X		X		X	X		X	
SB-02	14 - 16	2/12/1998		X		X	X				
SB-02	22 - 24	2/12/1998		X		X	X				

Table 1
Soil Sample Analysis Summary
National Grid
Rome (Jay Madison Street) Site
Rome, New York

Location	Depth	Date	VOCs	BTEX	SVOCs	PAHs	CYANIDE	METALS	MERCURY	Pesticide/ PCBs	TPH
SB-02	30 - 32	2/12/1998		X		X	X				
SB-02	34 - 36	2/12/1998		X		X	X				
SB-03	0 - 0.5	10/5/1998			X						
SB-03	4 - 6	5/18/1998		X		X	X				
SB-03	8 - 10	5/18/1998	X		X			X		X	
SB-04	0 - 0.5	10/5/1998			X						
SB-04	4 - 6	5/18/1998		X		X	X				
SB-04	8 - 10	5/18/1998		X		X	X				
SB-04	8 - 10	5/18/1998		X		X	X				
SB-05	0 - 0.5	10/5/1998			X						
SB-05	4 - 6	5/18/1998		X		X	X				
SB-05	8 - 10	5/18/1998	X		X			X		X	
SB-05	8 - 10	5/18/1998	X		X			X		X	
SB-06	4 - 6	5/18/1998		X		X	X				
SB-06	8 - 10	5/18/1998		X		X	X				
SB-07	4 - 6	5/18/1998		X		X	X				
SB-07	8 - 10	5/18/1998		X		X	X				
SB-08	0 - 0.5	10/5/1998			X						
SB-08	6 - 8	5/18/1998		X		X	X				
SB-08	8 - 10	5/18/1998		X		X	X				
SB-09	0 - 0.5	10/5/1998			X						
SB-09	4 - 6	5/18/1998		X		X	X				
SB-09	8 - 10	5/18/1998	X		X			X		X	
SB-10	0 - 0.5	10/5/1998			X						
SB-10	0 - 0.5	10/5/1998			X						
SB-10	4 - 6	5/18/1998		X		X	X				
SB-10	8 - 10	5/18/1998		X		X	X				
SB-11	0 - 0.5	10/5/1998			X						
SB-11	4 - 6	5/18/1998		X		X	X				
SB-11	8 - 10	5/18/1998		X		X	X				
SB-12	0 - 0.5	10/5/1998			X						
SB-12	4 - 6	5/18/1998		X		X	X				
SB-12	8 - 10	5/18/1998		X		X	X				
SB-13	0 - 0.5	10/5/1998			X						
SB-13	4 - 6	5/18/1998		X		X	X				
SB-13	8 - 10	5/18/1998		X		X	X				
SB-14	18 - 20	1/29/2001		X		X	X				
SB-14	26 - 28	1/30/2001		X		X	X				
SB-15	4 - 6	1/30/2001				X	X				
SB-15	12 - 14	1/30/2001		X		X	X				
SB-15	16 - 18	1/30/2001		X		X	X				
SB-15	26 - 28	1/30/2001		X		X	X				
SB-15	28 - 30	1/30/2001		X		X	X				
SB-16	6 - 8	1/30/2001		X		X	X				
SB-16	10 - 12	1/30/2001		X		X	X				
SB-16	18 - 20	1/31/2001		X		X	X				
SB-16	28 - 30	1/31/2001		X		X	X				
SB-16	38 - 40	1/31/2001		X		X	X				
SB-18	8 - 10	2/1/2001		X		X	X				
SB-17	14 - 16	1/31/2001	X		X		X	X	X	X	
SB-17	22 - 24	1/31/2001		X		X	X				
SB-17	30 - 32	1/31/2001		X							
SB-17	32 - 34	1/31/2001		X		X	X				

Table 1
Soil Sample Analysis Summary
National Grid
Rome (Jay Madison Street) Site
Rome, New York

Location	Depth	Date	VOCs	BTEX	SVOCs	PAHs	CYANIDE	METALS	MERCURY	Pesticide/ PCBs	TPH
SB-17	40 - 42	1/31/2001		X		X	X				
SB-18	12 - 14	2/1/2001		X		X	X				
SB-18	22 - 24	2/1/2001		X		X	X				
SB-18	30 - 32	2/1/2001		X		X	X				
SB-18	38 - 40	2/1/2001		X		X	X				
SB-19	4 - 6	2/1/2001		X		X	X				
SB-19	12 - 14	2/1/2001		X		X	X				
SB-19	18 - 20	2/1/2001		X		X	X				
SB-19	30 - 32	2/1/2001		X		X	X				
SB-20	4 - 6	2/2/2001		X		X	X				
SB-20	12 - 14	2/2/2001		X		X	X				
SB-20	18 - 20	2/2/2001		X		X	X				
SB-20	32 - 34	2/2/2001		X		X	X				
SB-20	42 - 44	2/2/2001		X		X	X				
SB-21	10 - 12	2/5/2001	X		X		X	X	X	X	
SB-21	16 - 18	2/5/2001		X		X	X				
SB-21	24 - 26	2/5/2001		X		X	X				
SB-21	32 - 34	2/5/2001		X		X	X				
SB-21	42 - 44	2/5/2001		X		X	X				
SB-22	4 - 8	2/5/2001		X		X	X				
SB-22	10 - 12	2/5/2001		X		X	X				
SB-22	18 - 20	2/5/2001		X		X	X				
SB-22	28 - 30	2/6/2001		X		X	X				
SB-22	44 - 46	2/6/2001		X		X	X				
SB-23	6 - 8	2/6/2001		X		X	X				
SB-23	16 - 18	2/6/2001		X		X	X				
SB-23	24 - 26	2/6/2001		X		X	X				
SB-23	30 - 32	2/6/2001		X		X	X				
SB-23	42 - 44	2/6/2001		X		X	X				
SB-24	6 - 8	2/7/2001		X		X	X				
SB-24	16 - 18	2/7/2001	X		X		X	X	X	X	
SB-24	28 - 30	2/7/2001		X		X	X				
SB-24	36 - 38	2/7/2001		X		X	X				
SB-24	42 - 44	2/7/2001		X		X	X				
SB-25	6 - 8	2/7/2001		X		X	X				
SB-25	12 - 14	2/7/2001		X		X	X				
SB-25	20 - 22	2/7/2001		X		X	X				
SB-25	36 - 38	2/7/2001		X		X	X				
SB-25	36 - 38	2/7/2001		X		X	X				
SB-25	42 - 44	2/7/2001		X		X	X				
SB-26	4 - 6	2/8/2001		X		X	X				
SB-26	12 - 14	2/8/2001	X		X		X	X	X	X	
SB-26	12 - 14	2/8/2001	X		X		X	X	X	X	
SB-26	22 - 24	2/8/2001		X		X	X				
SB-26	32 - 34	2/8/2001		X		X	X				
SB-26	44 - 46	2/8/2001		X		X	X				
SB-27	4 - 6	2/9/2001		X		X	X				
SB-27	12 - 14	2/9/2001		X		X	X				
SB-27	22 - 24	2/9/2001		X		X	X				
SB-27	30 - 32	2/9/2001		X		X	X				
SB-28	6 - 8	2/9/2001		X		X	X				
SB-28	12 - 14	2/9/2001		X		X	X				
SB-28	12 - 14	2/9/2001		X		X	X				

Table 1
Soil Sample Analysis Summary
National Grid
Rome (Jay Madison Street) Site
Rome, New York

Location	Depth	Date	VOCs	BTEX	SVOCs	PAHs	CYANIDE	METALS	MERCURY	Pesticide/ PCBs	TPH
SB-28	22 - 24	2/9/2001		X		X	X				
SB-28	28 - 30	2/9/2001		X		X	X				
SB-29	1.5 - 3	2/12/2001	X		X		X	X	X	X	
SB-29	10 - 12	2/12/2001		X		X	X				
SB-29	18 - 20	2/12/2001		X		X	X				
SB-29	26 - 28	2/12/2001		X		X	X				
SB-29	26 - 28	2/12/2001		X		X	X				
SB-29	32 - 34	2/12/2001		X		X	X				
SB-30	6 - 10	2/13/2001		X		X	X				
SB-30	18 - 20	2/13/2001		X		X	X				
SB-30	18 - 20	2/13/2001		X		X	X				
SB-30	28 - 30	2/13/2001		X		X	X				
SB-30	36 - 38	2/13/2001		X		X	X				
SB-31	6 - 8	2/13/2001		X		X	X				
SB-31	16 - 18	2/13/2001		X		X	X				
SB-31	24 - 26	2/13/2001		X		X	X				
SB-31	32 - 34	2/13/2001		X		X	X				
SB-32	4 - 6	2/14/2001		X		X	X				
SB-32	12 - 14	2/14/2001		X		X	X				
SB-32	12 - 14	2/14/2001		X		X	X				
SB-32	22 - 24	2/14/2001		X		X	X				
SB-32	28 - 30	2/14/2001		X		X	X				
SB-32	34 - 36	2/14/2001		X		X	X				
SB-33	6 - 8	2/14/2001		X		X	X				
SB-33	10 - 12	2/14/2001	X		X		X	X	X	X	
SB-33	20 - 22	2/14/2001		X		X	X				
SB-33	28 - 30	2/14/2001		X		X	X				
SB-33	38 - 40	2/14/2001		X		X	X				
SB-34	6 - 8	5/27/2005	X		X		X				
SB-34	12 - 14	5/27/2005	X		X		X				
SB-34	22 - 24	5/27/2005	X		X		X				
SB-35	2 - 4	5/26/2005	X		X		X				
SB-35	6 - 8	5/26/2005	X		X		X				
SB-35	10 - 12	5/26/2005	X		X		X				
SB-35	18 - 20	5/26/2005	X		X		X				
SB-35	28 - 30	5/26/2005	X		X		X				
SB-36	4 - 6	6/6/2005	X		X		X				
SB-36	14 - 16	6/6/2005	X		X		X				
SB-36	16 - 18	6/6/2005	X		X		X				
SB-36	20 - 22	6/6/2005	X		X		X				
SB-36	30 - 32	6/6/2005	X		X		X				
SB-37	6 - 8	6/1/2005	X		X		X				
SB-37	24 - 26	6/1/2005	X		X		X				
SB-38	26 - 28	5/31/2005	X		X		X				
SB-38	26 - 28	5/31/2005	X		X		X				
SB-38	4 - 6	5/31/2005	X		X		X				
SB-38	6 - 8	5/31/2005	X		X		X				
SB-39	6 - 8	5/20/2005	X		X		X				
SB-39	10 - 12	5/20/2005	X		X		X				
SB-39	44 - 46	5/20/2005	X		X		X				
SB-40	8 - 10	6/8/2005	X		X		X				
SB-40	20 - 22	6/8/2005	X		X		X				
SB-40	32 - 34	6/8/2005	X		X		X				

Table 1
Soil Sample Analysis Summary
National Grid
Rome (Jay Madison Street) Site
Rome, New York

Location	Depth	Date	VOCs	BTEX	SVOCs	PAHs	CYANIDE	METALS	MERCURY	Pesticide/ PCBs	TPH
SB-40	34 - 36	6/8/2005	X		X		X				
SB-40	36 - 38	6/8/2005	X		X		X				
SB-41	8 - 10	6/10/2005	X		X		X				
SB-41	12 - 14	6/10/2005	X		X		X				
SB-41	26 - 28	6/10/2005	X		X		X				
SB-41	28 - 30	6/10/2005	X		X		X				
SB-42	8 - 10	6/9/2005	X		X		X				
SB-42	16 - 18	6/9/2005	X		X		X				
SB-43	8 - 10	6/13/2005	X		X		X				
SB-43	8 - 10	6/13/2005	X		X		X				
SB-43	10 - 12	6/13/2005	X		X		X				
SB-43	14 - 16	6/13/2005	X		X		X				
SB-43	16 - 18	6/13/2005	X		X		X				
SB-44	6 - 8	6/13/2005	X		X		X				
SB-44	12 - 14	6/13/2005	X		X		X				
SB-44	20 - 22	6/13/2005	X		X		X				
SB-45	8 - 10	5/18/2005	X		X		X				
SB-45	10 - 12	5/18/2005	X		X		X				X
SB-45	14 - 16	5/18/2005	X		X		X				
SB-45	32 - 34	5/18/2005	X		X		X				
SB-46	6 - 8	5/17/2005	X		X		X				
SB-46	12 - 14	5/17/2005	X		X		X				
SB-46	36 - 38	5/17/2005	X		X		X				
SB-47	14 - 16	6/2/2005	X		X		X				
SB-47	20 - 22	6/2/2005	X		X		X				X
SB-47	34 - 36	6/2/2005	X		X		X				
SB-47	40 - 42	6/2/2005	X		X		X				
SB-48	8 - 10	5/25/2005	X		X		X				
SB-48	16 - 18	5/25/2005	X		X		X				
SB-48	34 - 36	5/25/2005	X		X		X				
SB-48	44 - 46	5/25/2005	X		X		X				
SB-49	6 - 8	6/7/2005	X		X		X				
SB-49	14 - 16	6/7/2005	X		X		X				
SB-49	16 - 18	6/7/2005	X		X		X				
SB-49	22 - 24	6/7/2005	X		X		X				
SB-49	36 - 38	6/7/2005	X		X		X				
SB-50	8 - 10	5/23/2005	X		X		X				
SB-50B	12 - 14	6/8/2005	X		X		X				
SB-50B	12 - 14	6/8/2005	X		X		X				
SB-50B	14 - 16	6/8/2005	X		X		X				
SB-50B	22 - 24	6/8/2005	X		X		X				
SB-50B	26 - 28	6/8/2005	X		X		X				
SB-50B	30 - 32	6/8/2005	X		X		X				
SB-51	8 - 10	5/18/2005	X		X		X				
SB-51	14 - 16	5/19/2005	X		X		X				
SB-51	20 - 22	5/19/2005	X		X		X				
SB-51	20 - 22	5/19/2005	X		X		X				
SB-51	42 - 44	5/19/2005	X		X		X				
SB-53	8 - 10	6/3/2005	X		X		X				
SB-53	14 - 16	6/3/2005	X		X		X				
SB-54	8 - 10	5/24/2005	X		X		X				
SB-54	16 - 18	5/24/2005	X		X		X				
SB-54	22 - 24	5/24/2005	X		X		X				

Table 1
Soil Sample Analysis Summary
National Grid
Rome (Jay Madison Street) Site
Rome, New York

Location	Depth	Date	VOCs	BTEX	SVOCs	PAHs	CYANIDE	METALS	MERCURY	Pesticide/ PCBs	TPH
SB-54	26 - 28	5/24/2005	X		X		X				
SB-54	40 - 42	5/24/2005	X		X		X				
TP-02	4 - 6	5/23/2005	X		X		X				
TP-03	4 - 6	5/23/2005	X		X		X				
TP-03	6 - 8	5/23/2005	X		X		X				
TW-01	10 - 12	7/23/2003	X		X		X				
TW-01	18 - 20	7/23/2003	X		X		X				
TW-01	2 - 3	7/23/2003	X		X		X				
TW-01	24 - 26	7/23/2003	X		X		X				
TW-02	2 - 4	7/24/2003	X		X		X				
TW-02	10 - 12	7/24/2003	X		X		X				
TW-02	18 - 20	7/24/2003	X		X		X				
TW-03	0.75 - 2	7/25/2003	X		X		X				
TW-03	12 - 14	7/28/2003	X		X		X				
TW-03	18 - 20	7/28/2003	X		X		X				
TW-03	18 - 20	7/28/2003	X		X		X				
TW-03	22 - 24	7/28/2003	X		X		X				

Table 2
Monitoring Well Construction
National Grid
Rome (Jay Madison Street) Site
Rome, New York

Well Number	Northing	Easting	Installation Date	Ground Surface Elevation	Datum Reference Elevation (feet)	Conductivity (ft/min)	Well Status	Total Depth (feet)	Screen Depth		Screen Elevation		Diameter (inches)	Slot Size (inches)
									Top (feet)	Bottom (feet)	Top (feet)	Bottom (feet)		
MW-1	1173030.47	1118118.96	02/11/98	432.8 [1]	433.09	0.01	Active	19.0	4.0	19.0	428.8	413.8	2.00	0.01
MW-2	1172958.99	1118165.89	02/11/98	433.8 [1]	433.30	0.02	Active	19.5	4.5	18.5	429.3	415.3	2.00	0.01
MW-3	1172888.63	1118110.25	02/12/98	433.2 [1]	432.64	0.004	Active	19.0	4.0	19.0	429.2	414.2	2.00	0.01
MW-4	1172941.58	1118053.35	02/13/98	433.0	435.34	0.006	Active	19.0	4.0	19.0	429.0	414.0	2.00	0.01
MW-5	1172879.95	1118021.64	02/13/98	431.9	434.27	0.002	Active	19.0	4.0	19.0	427.9	412.9	2.00	0.01
MW-6S	1173071.12	1118033.27	05/18/98	433.2	435.36	0.01	Active	19.0	4.0	19.0	429.2	414.2	2.00	0.01
MW-6D	1173078.05	1118035.03	05/19/98	433.3	(435.3) 435.77 [2]	0.004	Active	37.0	32.0	37.0	401.3	396.3	2.00	0.01
MW-7S	1173005.10	1117981.19	05/19/98	430.5	432.38	0.03	Active	18.0	3.0	18.0	427.5	412.5	2.00	0.01
MW-7D	1172999.67	1117979.18	05/20/98	430.4	432.35	0.005	Active	35.5	30.5	35.5	399.9	394.9	2.00	0.01
MW-8S	1172926.44	1117954.79	05/20/98	431.7	433.28	0.002	Active	18.5	3.5	18.5	428.2	413.2	2.00	0.01
MW-8D	1172931.84	1117952.40	05/21/98	431.2	433.21	0.0005	Active	43.0	38.0	43.0	393.2	388.2	2.00	0.01
MW-9	1172870.31	1118175.46	10/14/99	434.1	433.81	NA	Active	19.0	4.0	19.0	430.1	415.1	2.00	0.01
MW-9D	1172866.01	1118174.33	07/21/03	433.9	433.65	NA	Active	45.0	40.0	45.0	-	-	2.00	0.01
MW-10	1172966.56	1118201.09	10/14/99	433.8	433.34	NA	Active	19.0	4.0	19.0	429.8	414.8	2.00	0.01
MW-11	1172792.46	1118244.56	02/16/01	433.7	(433.37) 433.41 [2]	NA	Active	19.0	4.0	19.0	429.7	414.7	2.00	0.01
MW-12	1172799.14	1118426.20	02/07/01	435.5	435.19	0.01	Active	19.0	4.0	19.0	431.5	416.5	2.00	0.01
MW-13	1172950.29	1118324.72	02/07/01	436.1	435.74	NA	Active	19.0	4.0	19.0	432.1	417.1	2.00	0.01
MW-14	1172882.77	1118201.13	07/22/03	434.2	433.92	NA	Active	19.0	14.0	19.0	-	-	2.00	0.01
MW-15S	1172747.37	1118501.57	06/02/05	434.4	434.07	NA	Active	19.0	4.0	19.0	430.4	415.4	2.00	0.01
MW-16D	1172749.54	1118399.18	05/19/05	434.0	433.21	NA	Active	44.0	39.0	44.0	395.0	390.0	2.00	0.01
MW-17S	1172675.66	1118180.08	05/25/05	432.4	432.18	NA	Active	20.0	15.0	20.0	417.4	412.4	2.00	0.01
MW-17D	1172669.61	1118177.43	05/25/05	432.5	432.3	NA	Active	47.0	42.0	47.0	390.5	385.5	2.00	0.01
MW-18D	1172943.01	1118221.65	05/31/05	434.9	434.57	NA	Active	29.0	24.0	29.0	410.9	405.9	2.00	0.01
MW-19DD	1172792.76	1118242.49	06/07/05	433.7	433.08	NA	Active	46.6	43.6	46.6	390.1	387.1	2.00	0.01
MW-20D	1172879.10	1118369.18	06/08/05	436.1	435.85	NA	Active	31.0	26.0	31.0	410.1	405.1	2.00	0.01
MW-21S	1172710.89	1118092.60	11/05/07	432.7	432.28	NA	Active	20.0	5.0	20.0	427.7	412.7	2.00	0.01
MW-21D	1172704.40	1118091.31	11/07/07	432.8	432.36	NA	Active	52.0	47.0	52.0	385.8	380.8	2.00	0.01
MW-22S	1172790.52	1117889.67	11/08/07	432.6	432.2	NA	Active	20.0	5.0	20.0	427.6	412.6	2.00	0.01
MW-22D	1172784.64	1117886.44	11/09/07	432.5	432.07	NA	Active	54.0	49.0	54.0	383.5	378.5	2.00	0.01
OW-01	1172844.66	1118297.36	11/15/07	435.0	434.63	NA	Active	15.0	3.0	13.0	432.0	422.0	4.00	0.04
PZ-01	1172960.83	1118087.71	06/02/05	436.7	NA	NA	Active	14.0	4.0	14.0	432.7	422.7	2.00	0.02
PZ-02	1172887.80	1118044.74	06/03/05	435.6	NA	NA	Active	14.0	4.0	14.0	431.6	421.6	2.00	0.02

Notes:
1 - Surface elevation estimated.
2 - Reference elevation resurveyed in August 2005. Old reference elevation in parenthesis.
NA - Not Available
Vertical Datum - NAVD 1988
Horizontal Datum - NAD 83 (feet) State Plane Central Zone
Survey data obtained from National Grid.

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Table 3
Ground Water Elevation Data
National Grid
Rome (Jay Madison Street) Site
Rome, New York

Well Number	Northing	Easting	Installation Date	Ground Surface Elevation (feet)	Datum Reference Elevation (feet)	5/27/1998		10/30/1998		10/21/1999		3/20/2001		8/12/2003		7/11/2005		12/4/2007	
						Depth to Water	Ground Water Elevation	Depth to Water	Ground Water Elevation	Depth to Water	Ground Water Elevation	Depth to Water	Ground Water Elevation	Depth to Water	Ground Water Elevation	Depth to Water	Ground Water Elevation	Depth to Water	Ground Water Elevation
MW-1	1173030.47	1118118.96	02/11/98	432.8 [1]	433.09	5.89	427.20	6.73	426.36	5.75	427.34	5.12	427.52	5.12	427.97	5.88	427.21	5.10	427.99
MW-2	1172958.99	1118165.89	02/11/98	433.8 [1]	433.30	6.17	427.13	6.97	426.33	6.12	427.18	5.47	427.39	5.47	427.83	6.22	427.08	5.43	427.87
MW-3	1172888.63	1118110.25	02/12/98	433.2 [1]	432.64	5.82	426.82	6.55	426.09	5.92	426.72	4.98	427.30	4.98	427.66	7.82	424.82	4.91	427.73
MW-4	1172941.58	1118053.35	02/13/98	433.0	435.34	8.58	426.76	9.30	426.04	9.52	425.82	7.82	426.96	7.82	427.52	8.57	426.77	7.74	427.60
MW-5	1172879.95	1118021.64	02/13/98	431.9	434.27	7.84	426.43	8.49	425.78	6.81	427.46	7.14	426.94	7.14	427.13	7.84	426.43	6.95	427.32
MW-6S	1173071.12	1118033.27	05/18/98	433.2	435.36	8.29	427.07	9.10	426.26	8.87	426.49	8.06	426.91	8.06	427.30	6.85	428.51	8.05	427.31
MW-6D	1173078.05	1118035.03	05/19/98	433.3	(435.3) 435.77 [2]	8.21	427.09	9.06	426.24	8.33	426.97	7.98	427.32	NA	NA	8.56	427.21	7.81	427.96
MW-7S	1173005.10	1117981.19	05/19/98	430.5	432.38	5.73	426.65	6.44	425.94	5.67	426.71	4.93	427.03	4.93	427.45	5.71	426.67	4.95	427.43
MW-7D	1172999.67	1117979.18	05/20/98	430.4	432.35	5.64	426.71	6.39	425.96	5.69	426.66	4.94	427.02	4.94	427.41	7.61	424.74	5.00	427.35
MW-8S	1172926.44	1117954.79	05/20/98	431.7	433.28	6.94	426.34	7.55	425.73	6.85	426.43	6.08	426.73	6.08	427.20	6.80	426.48	6.04	427.24
MW-8D	1172931.84	1117952.40	05/21/98	431.2	433.21	6.55	426.66	7.36	425.85	6.70	426.51	6.00	426.86	6.00	427.21	6.53	426.68	5.76	427.45
MW-9	1172870.31	1118175.46	10/14/99	434.1	433.81	-	NI	-	NI	6.72	427.09	6.19	427.13	6.19	427.62	6.51	427.30	6.08	427.73
MW-9D	1172866.01	1118174.33	07/21/03	433.9	433.65	-	NI	-	NI	NI	NI	6.05	427.60	6.05	427.60	6.83	426.82	5.76	427.89
MW-10	1172966.56	1118201.09	10/14/99	433.8	433.34	-	NI	-	NI	5.95	427.39	5.41	427.45	5.41	427.93	6.10	427.24	5.31	428.03
MW-11	1172792.46	1118244.56	02/16/01	433.7	(433.37) 433.41 [2]	-	NI	-	NI	-	NI	6.39	426.98	NA	NA	NA	NA	5.71	427.70
MW-12	1172799.14	1118426.20	02/07/01	435.5	435.19	-	NI	-	NI	-	NI	7.10	427.69	7.10	428.09	7.59	427.60	7.00	428.19
MW-13	1172950.29	1118324.72	02/07/01	436.1	435.74	-	NI	-	NI	-	NI	7.49	427.85	7.49	428.25	8.12	427.62	7.40	428.34
MW-14	1172882.77	1118201.13	07/22/03	434.2	433.92	-	NI	-	NI	-	NI	6.27	427.65	6.27	427.65	6.94	426.98	6.18	427.74
MW-15S	1172747.37	1118501.57	06/02/05	434.4	434.07	-	NI	-	NI	-	NI	-	NI	-	NI	6.35	427.72	5.73	428.34
MW-16D	1172749.54	1118399.18	05/19/05	434.0	433.21	-	NI	-	NI	-	NI	-	NI	-	NI	5.83	427.38	5.21	428.00
MW-17S	1172675.66	1118180.08	05/25/05	432.4	(432.18) 432.57 [3]	-	NI	-	NI	-	NI	-	NI	-	NI	5.74	426.44	5.73	426.45
MW-17D	1172669.61	1118177.43	05/25/05	432.5	(432.30) 432.67 [3]	-	NI	-	NI	-	NI	-	NI	-	NI	5.81	426.49	5.76	426.91
MW-18D	1172943.01	1118221.65	05/31/05	434.9	434.57	-	NI	-	NI	-	NI	-	NI	-	NI	7.21	427.36	6.43	428.14
MW-19DD	1172792.76	1118242.49	06/07/05	433.7	433.08	-	NI	-	NI	-	NI	-	NI	-	NI	5.99	427.09	5.75	427.33
MW-20D	1172879.10	1118369.18	06/08/05	436.1	435.85	-	NI	-	NI	-	NI	-	NI	-	NI	8.20	427.65	7.64	428.21
MW-21S	1172710.89	1118092.60	11/05/07	432.7	432.28	-	NI	-	NI	-	NI	-	NI	-	NI	-	NI	5.49	426.79
MW-21D	1172704.40	1118091.31	11/07/07	432.8	432.36	-	NI	-	NI	-	NI	-	NI	-	NI	-	NI	5.33	427.03
MW-22S	1172790.52	1117889.67	11/08/07	432.6	432.2	-	NI	-	NI	-	NI	-	NI	-	NI	-	NI	5.79	426.41
MW-22D	1172784.64	1117886.44	11/09/07	432.5	432.07	-	NI	-	NI	-	NI	-	NI	-	NI	-	NI	5.16	426.91

Notes:

1 - Surface elevation estimated.

2 - Reference elevation resurveyed in August 2005. Old reference elevation in parenthesis.

3 - Reference elevation resurveyed in February 2008. Old reference elevation in parenthesis.

NI - Not Installed

NA - Not Available

Vertical Datum - NAVD 1988

Horizontal Datum - NAD 83 (feet) State Plane Central Zone

Survey data obtained from National Grid.

MW-6D water level was not collected on 8/12/03 due to damaged well.

MW-11 water level was not collected on 8/12/03 because well was covered with asphalt.

MW-11 water level was not collected on 7/11/05 due to the presence of NAPL. Interface probe was not available.

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Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		MW-01	MW-01	MW-02	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04	MW-04	MW-05	MW-05	MW-05	MW-06D	MW-06D	MW-07D	MW-07D	MW-07D
Sample Date		2/11/1998	2/11/1998	2/11/1998	2/11/1998	2/11/1998	2/11/1998	2/12/1998	2/13/1998	2/13/1998	2/13/1998	2/13/1998	2/13/1998	2/13/1998	5/18/1998	5/18/1998	5/21/1998	5/21/1998	5/21/1998
Depth Interval (ft)		6 - 8	18 - 20	16 - 18	20 - 22	8 - 10	6 - 8	18 - 20	6 - 8	12 - 14	18 - 20	4 - 6	12 - 14	18 - 20	4 - 6	8 - 10	4 - 6	8 - 10	8 - 10
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical Name	Action Level[1]																		
1,1-Dichloroethene	500	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
1,2-Dibromo-3-Chloropropane	NC	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
2-Hexanone	NC	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
4-Methyl-2-Pentanone	NC	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
Acetone	500	---	.002 J	---	---	.006 J	---	---	.006 J	---	---	---	---	.006 J	---	---	---	---	---
Benzene	44	.012 U	.012 U	.001 J	.012 U	.002 J	.007 J	.013 U	.004 J	.012 U	.012 U	.047 UJ	.014 U	.001 J	.012 U	.012 U	.013 U	.013 U	.012 U
Bromomethane	NC	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
Carbon Disulfide	NC	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
Chloroform	350	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
cis-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	.012 U	.012 U	.001 J	.012 U	.003 J	.013 U	.013 U	.012 UJ	.012 U	.012 U	.047 UJ	.014 U	.006 J	.012 U	.012 U	.013 U	.013 U	.012 U
Isopropylbenzene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
Methyl Tert-Butyl Ether	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
Styrene	NC	---	.012 U	---	---	.012 U	---	---	.012 UJ	---	---	---	---	.065	---	---	---	---	---
Tetrachloroethene	150	---	.012 U	---	---	.004 J	---	---	.012 U	---	---	---	---	.001 J	---	---	---	---	---
Toluene	500	.012 U	.012 U	.012 U	.012 U	.012 U	.002 J	.013 U	.012 U	.012 U	.012 U	.047 UJ	.014 U	.017	.012 U	.012 U	.013 U	.013 U	.012 U
trans-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
Vinyl Chloride	13	---	.012 U	---	---	.012 U	---	---	.012 U	---	---	---	---	.012 U	---	---	---	---	---
Xylenes, Total	500	.012 U	.012 U	.007 J	.012 U	.014 J	.013 U	.013 U	.014	.013	.012 U	.047 UJ	.039	.1	.012 U	.012 U	.013 U	.013 U	.012 U

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		MW-08D	MW-08D	MW-09	MW-09	MW-09D	MW-09D	MW-09D	MW-09D	MW-09D	MW-09D	MW-10	MW-10	MW-14	MW-14	MW-14	MW-14
Sample Date		5/21/1998	5/21/1998	10/14/1999	10/14/1999	7/21/2003	7/21/2003	7/21/2003	7/21/2003	7/21/2003	7/21/2003	10/14/1999	10/14/1999	7/22/2003	7/22/2003	7/22/2003	7/22/2003
Depth Interval (ft)		4 - 6	8 - 10	10 - 12	18 - 20	12 - 14	20 - 22	28 - 30	44 - 45.5	6 - 7.2	12 - 14	18 - 20	6 - 8	12 - 14	4 - 6	22 - 24	30 - 32
Sample Type		N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical Name	Action Level[1]																
1,1-Dichloroethene	500	---	.012 U	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	12 U	11 U	.003 U	1.3 U	.003 U	.003 U
1,2-Dibromo-3-Chloropropane	NC	---	.012 U	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	12 U	11 U	.003 U	1.3 U	.003 U	.003 U
2-Hexanone	NC	---	.012 U	13 U	12 U	.006 U	.006 U	.006 U	.005 U	.006 U	.006 U	12 U	11 U	.006 U	2.6 U	.006 U	.003 U
4-Methyl-2-Pentanone	NC	---	.012 U	13 U	12 U	.006 U	.006 U	.006 U	.005 U	.006 U	.006 U	12 U	11 U	.006 U	2.6 U	.006 U	.003 U
Acetone	500	---	.012 U	13 U	12 U	.012 U	.012 U	.012 U	.011 U	.012 U	.012 U	12 U	11 U	.012 U	5.3 U	.012 U	.012 U
Benzene	44	.012 U	.012 U	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	12 U	11 U	.003 U	.6 J	.003 U	.003 U
Bromomethane	NC	---	.012 U	13 U	12 U	.003 UJ	.006 UJ	.006 UJ	.005 UJ	.006 UJ	.006 UJ	12 U	11 U	.006 UJ	2.6 UJ	.006 UJ	.003 UJ
Carbon Disulfide	NC	---	.012 U	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	12 U	11 U	.003 U	1.3 U	.003 U	.003 U
Chloroform	350	---	.012 U	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.004 J	11 U	.003 U	1.3 U	.004	.003 U
cis-1,2-Dichloroethene	500	---	---	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	12 U	11 U	.003 U	1.3 U	.003 U	.003 U
Cyclohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	.012 U	.012 U	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	12 U	11 U	.001 J	.33 J	.001 J	.003 U
Isopropylbenzene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	---	.012 U	13 U	12 U	.012 U	.012 U	.012 U	.011 U	.012 U	.012 U	12 U	11 U	.012 U	5.3 U	.012 U	.003 U
Methyl Tert-Butyl Ether	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	---	.012 U	.002 J	12 U	.006 U	.006 U	.006 U	.006 U	.006 U	.006 UJ	.002 J	.002 J	.006 U	2.6 U	.006 U	.006 U
Styrene	NC	---	.012 U	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	12 U	11 U	.003 U	1 J	.003 U	.003 U
Tetrachloroethene	150	---	.035	.01 J	12 U	.03	.001 J	.003 U	.003 U	.037	.017	12 U	.006 J	.026	1.3 U	.003 U	.003 U
Toluene	500	.012 U	.012 U	13 U	12 U	.0006 J	.001 J	.003 U	.003	.0009 J	.003 U	12 U	11 U	.002 J	.89 J	.001 J	.003 U
trans-1,2-Dichloroethene	500	---	---	13 U	12 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	12 U	11 U	.003 U	1.3 U	.003 U	.003 U
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	---	.004 J	.002 J	12 U	.002 J	.003 U	.003 U	.003 U	.002 J	.0008 J	12 U	11 U	.002 J	1.3 U	.003 U	.003 U
Vinyl Chloride	13	---	.012 U	13 U	12 U	.006 U	.006 U	.006 U	.005 U	.006 U	.006 U	12 U	11 U	.006 U	2.6 U	.006 U	.003 U
Xylenes, Total	500	.012 U	.012 U	13 U	12 U	.0006 J	.0007 J	.003 U	.003 U	.001 J	.003 U	12 U	11 U	.005	2.1	.005	.003 U

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		MW-18D	MW-18D	MW-18D	SB-02	SB-02	SB-02	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05
Sample Date		5/31/2005	5/31/2005	5/31/2005	2/12/1998	2/12/1998	2/12/1998	2/12/1998	2/12/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998
Depth Interval (ft)		4 - 6	6 - 8	14 - 16	14 - 16	22 - 24	30 - 32	34 - 36	6 - 8	4 - 6	8 - 10	4 - 6	8 - 10	8 - 10	4 - 6	8 - 10	8 - 10
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N
Chemical Name	Action Level[1]																
1,1-Dichloroethene	500	.0027 U	.003 U	.0031 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.013 U	.013 U
1,2-Dibromo-3-Chloropropane	NC	.0054 U	.006 U	.0061 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.013 U	.013 U
2-Hexanone	NC	.0054 U	.006 U	.0061 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.013 U	.013 U
4-Methyl-2-Pentanone	NC	.0054 U	.006 U	.0061 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.013 U	.013 U
Acetone	500	.011 UJ	.012 UJ	.012 UJ	---	---	---	---	.13 U	---	.003 J	---	---	---	---	.014 J	.008 J
Benzene	44	.0027 U	.003 U	.0031 U	.012 U	.012 U	.013 UJ	.012 U	.13 U	.012 U	.012 U	.012 U	.012 U	.012 U	.019 U	.013 U	.013 U
Bromomethane	NC	.0054 U	.006 U	.0061 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.013 U	.013 U
Carbon Disulfide	NC	.0027 U	.003 U	.0031 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.013 U	.013 U
Chloroform	350	.0027 U	.003 U	.0031 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.001 J	.013 U
cis-1,2-Dichloroethene	500	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	NC	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	.0027 U	.003 U	.0031 U	.004 J	.005 J	.013 UJ	.012 U	.13 U	.012 U	.009 J	.012 U	.012 U	.012 U	.019 U	.013 U	.013 U
Isopropylbenzene	NC	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	.011 U	.012 U	.012 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.005 J	.013 U
Methyl Tert-Butyl Ether	500	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	.0054 U	.006 U	.0061 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.004 U	.013 U
Styrene	NC	.0027 U	.003 U	.0031 U	---	---	---	---	.028 J	---	.21	---	---	---	---	.013 U	.013 U
Tetrachloroethene	150	.0027 U	.003 U	.0031 U	---	---	---	---	.11 J	---	.012 U	---	---	---	---	.013 U	.013 U
Toluene	500	.0027 U	.003 U	.0031 U	.002 J	.002 J	.013 UJ	.012 U	.13 U	.012 U	.022	.012 U	.012 U	.012 U	.002 J	.013 U	.013 U
trans-1,2-Dichloroethene	500	.0027 U	.003 U	.0031 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorobenzenes (1,2,4-)	NC	.0054 U	.006 U	.0061 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	.0027 U	.003 U	.0031 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.013 U	.013 U
Vinyl Chloride	13	.0054 U	.006 U	.0061 U	---	---	---	---	.13 U	---	.012 U	---	---	---	---	.013 U	.013 U
Xylenes, Total	500	.0054 U	.006 U	.0061 U	.013	.011 J	.013 UJ	.012 U	.13 U	.012 U	.44 J	.012 U	.012 U	.012 U	.019 U	.013 U	.013 U

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-06	SB-06	SB-07	SB-07	SB-08	SB-08	SB-09	SB-09	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12	SB-13	SB-13
Sample Date		5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998
Depth Interval (ft)		4 - 6	8 - 10	4 - 6	8 - 10	6 - 8	8 - 10	8 - 10	4 - 6	4 - 6	8 - 10	4 - 6	8 - 10	4 - 6	8 - 10	8 - 10	4 - 6
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																
1,1-Dichloroethene	500	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-Chloropropane	NC	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
2-Hexanone	NC	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	NC	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
Acetone	500	---	---	---	---	---	---	.006 J	---	---	---	---	---	---	---	---	---
Benzene	44	.012 U	.027 UJ	.019 R	.012 U	.012 U	.012 U	.012 U	.012 U	.012 U	.012 U	.013 U	.012 U	.012 U	.012 U	.012 U	.012 U
Bromomethane	NC	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
Carbon Disulfide	NC	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
Chloroform	350	---	---	---	---	---	---	.003 J	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	.012 U	.027 UJ	.019 R	.012 U	.012 U	.012 U	.014	.012 U	.012 U	.012 J	.013 U	.012 U	.012 U	.012 U	.012 U	.012 U
Isopropylbenzene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	---	---	---	---	---	---	.012 J	---	---	---	---	---	---	---	---	---
Methyl Tert-Butyl Ether	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	---	---	---	---	---	---	.009 U	---	---	---	---	---	---	---	---	---
Styrene	NC	---	---	---	---	---	---	.073	---	---	---	---	---	---	---	---	---
Tetrachloroethene	150	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
Toluene	500	.012 U	.008 J	.019 R	.012 U	.012 U	.012 U	.035	.012 U	.012 U	.004 J	.013 U	.012 U	.012 U	.012 U	.012 U	.012 U
trans-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
Vinyl Chloride	13	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---
Xylenes, Total	500	.004 J	.027 UJ	.019 R	.012 U	.012 U	.012 U	.11	.012 U	.012 U	.11	.013 U	.012 U	.012 U	.012 U	.012 U	.012 U

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-14	SB-14	SB-15	SB-15	SB-15	SB-15	SB-16	SB-16	SB-16	SB-16	SB-16	SB-17	SB-17	SB-17	SB-17	SB-17
Sample Date		1/29/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001
Depth Interval (ft)		18 - 20	26 - 28	12 - 14	16 - 18	26 - 28	28 - 30	6 - 8	10 - 12	18 - 20	28 - 30	38 - 40	40 - 42	32 - 34	30 - 32	14 - 16	22 - 24
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																
1,1-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
1,2-Dibromo-3-Chloropropane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
2-Hexanone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
4-Methyl-2-Pentanone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
Acetone	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
Benzene	44	.59 U	.008 U	**70**	.011 J	.005 J	.005	.003	12 U	.008 U	.008 U	.0008 J	.003 J	.32 U	.14 J	.2	30 U
Bromomethane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
Carbon Disulfide	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
Chloroform	350	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
cis-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.028 J	---
Cyclohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	6.7	.017	28 J	.029 U	.029	.003 U	.0009 J	66	.01	.002 J	.0007 J	.0006 J	.32 U	.24 J	.46	24 J
Isopropylbenzene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
Methyl Tert-Butyl Ether	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
Styrene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.4	---
Tetrachloroethene	150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	---
Toluene	500	.28 J	.002 J	82	.015 J	.046	.002 J	.003	13	.003 J	.003 J	.003 UJ	.004	.32 U	.45 J	1.7	51
trans-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.23	---
Vinyl Chloride	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.13 U	---
Xylenes, Total	500	7	.032	99	.025 J	.97	.002 J	.004	56	.015 J	.026	.0008 J	.006	.32 U	2.6	5.4 J	270

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-18	SB-18	SB-18	SB-18	SB-18	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20	SB-20	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21
Sample Date		2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/2/2001	2/2/2001	2/2/2001	2/2/2001	2/2/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001
Depth Interval (ft)		12 - 14	22 - 24	30 - 32	38 - 40	8 - 10	30 - 32	18 - 20	4 - 6	12 - 14	12 - 14	18 - 20	32 - 34	4 - 6	42 - 44	16 - 18	42 - 44	24 - 26		32 - 34
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																			
1,1-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
1,2-Dibromo-3-Chloropropane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
2-Hexanone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
4-Methyl-2-Pentanone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Acetone	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.039 U	---
Benzene	44	.3 U	.001 J	.0008 J	.0009 J	.028	.26	.001 J	12 U	.28 U	.031 U	.0006 J	.0007 J	.039 J	.003 U	.003 U	.003 J	.003 U	.029 U	.085
Bromomethane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Carbon Disulfide	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Chloroform	350	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
cis-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Cyclohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	.3 U	.0009 J	.003 U	.003 U	.041	.003 UJ	.006 U	50	.28 U	.017 J	.002 J	.003 UJ	.21	.003 UJ	.007	.0007 J	.002 J	.035	.43
Isopropylbenzene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Methyl Tert-Butyl Ether	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.003 J	---
Styrene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Tetrachloroethene	150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Toluene	500	.3 U	.002 J	.003 UJ	.003 UJ	.002 J	.002 J	.002 J	31	.28 U	.031 U	.002 J	.0009 J	.085	.0008 J	.002 J	.002 J	.003	.007 J	.18
trans-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Vinyl Chloride	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.029 U	---
Xylenes, Total	500	.3 U	.0007 J	.003 UJ	.003 UJ	.01	.001 J	.004 J	220	.38 U	.042 J	.002 J	.0007 J	.33	.003 UJ	.014	.005 J	.003 J	.059	3.5

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-22	SB-22	SB-22	SB-22	SB-22	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25	SB-25	SB-25	SB-25	SB-25	SB-25
Sample Date		2/5/2001	2/5/2001	2/5/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001
Depth Interval (ft)		10 - 12	18 - 20	4 - 8	28 - 30	44 - 46	6 - 8	42 - 44	24 - 26	16 - 18	30 - 32	16 - 18	28 - 30	36 - 38	42 - 44	6 - 8	36 - 38	42 - 44	36 - 38	20 - 22	12 - 14	6 - 8
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical Name	Action Level[1]																					
1,1-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-Chloropropane	NC	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
2-Hexanone	NC	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	NC	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Acetone	500	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Benzene	44	32 U	.3 U	34 U	.46	.003 UJ	.042 U	.003 U	.003 U	.003 U	.002 J	.012 U	.003 U	.003 U	.003 U	.0008 J	.0009 J	.004	.0008 J	.003 U	.03 U	.0007 J
Bromomethane	NC	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Carbon Disulfide	NC	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Chloroform	350	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Cyclohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	17 J	.17 J	8.7 J	.045	.003 UJ	.042 U	.003 U	.003 U	.003 U	.003 U	.012 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.46	.003 U
Isopropylbenzene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Methyl Tert-Butyl Ether	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	---	---	---	---	---	---	---	---	---	---	.002 J	---	---	---	---	---	---	---	---	---	---
Styrene	NC	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	150	---	---	---	---	---	---	---	---	---	---	.019	---	---	---	---	---	---	---	---	---	---
Toluene	500	32 U	.3 U	34 U	.16	.003 UJ	.042 U	.003 UJ	.003 U	.003 U	.005 J	.006 J	.003 UJ	.003 UJ	.004 J	.005	.0006 J	.003 UJ	.003 U	.003 J	.049	.007
trans-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	---	---	---	---	---	---	---	---	---	---	.003 J	---	---	---	---	---	---	---	---	---	---
Vinyl Chloride	13	---	---	---	---	---	---	---	---	---	---	.012 U	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	500	36 J	.31 J	39 J	.18	.003 UJ	.013 J	.003 UJ	.003 U	.003 U	.003 UJ	.012 U	.003 UJ	.003 UJ	.003 UJ	.0008 J	.003 UJ	.0006 J	.003 U	.0008 J	.9	.003 U

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28	SB-28	SB-28	SB-29	SB-29	SB-29	SB-29	SB-29	SB-29
Sample Date		2/8/2001	2/8/2001	2/8/2001	2/8/2001	2/8/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001
Depth Interval (ft)		12 - 14	12 - 14	22 - 24	32 - 34	44 - 46	4 - 6	12 - 14	22 - 24	30 - 32	6 - 8	28 - 30	12 - 14	22 - 24	12 - 14	1.5 - 3	10 - 12	18 - 20	26 - 28	26 - 28	32 - 34
Sample Type		FD	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N
Chemical Name	Action Level[1]																				
1,1-Dichloroethene	500	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
1,2-Dibromo-3-Chloropropane	NC	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
2-Hexanone	NC	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
4-Methyl-2-Pentanone	NC	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Acetone	500	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Benzene	44	.003 J	.006 J	.003 U	.008	.85	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.014 U	.003 U	.003 U	.003 U	.003 U	.003 U
Bromomethane	NC	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Carbon Disulfide	NC	.001 J	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Chloroform	350	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
cis-1,2-Dichloroethene	500	.11	.14	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Cyclohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	.004 J	.007 J	.003 U	.004 J	.001 J	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.014 U	.003 U	.003 U	.003 U	.003 U	.003 U
Isopropylbenzene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Methyl Tert-Butyl Ether	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.004 J	---	---	---	---	---
Styrene	NC	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Tetrachloroethene	150	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.024	---	---	---	---	---
Toluene	500	.003 J	.004 J	.003 U	.009	.007	.003	.003 U	.003 J	.003 UJ	.0008 J	.004	.001 J	.002 J	.003 U	.014 U	.003 U	.003 U	.002 J	.003 U	.003 UJ
trans-1,2-Dichloroethene	500	.012 U	.012 U	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	.017	.026	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Vinyl Chloride	13	.008 J	.009 J	---	---	---	---	---	---	---	---	---	---	---	---	.014 U	---	---	---	---	---
Xylenes, Total	500	.005 J	.014	.0006 J	.017	.002 J	.002 J	.003 U	.001 J	.003 UJ	.003 U	.0009 J	.003 U	.001 J	.003 U	.014 U	.003 U	.003 U	.003 U	.003 U	.003 UJ

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-30	SB-30	SB-30	SB-30	SB-30	SB-31	SB-31	SB-31	SB-31	SB-32	SB-32	SB-32	SB-32	SB-32	SB-32
Sample Date		2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001
Depth Interval (ft)		18 - 20	6 - 10	36 - 38	18 - 20	28 - 30	16 - 18	24 - 26	32 - 34	6 - 8	12 - 14	34 - 36	4 - 8	12 - 14	28 - 30	22 - 24
Sample Type		FD	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Chemical Name	Action Level[1]															
1,1-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-Chloropropane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	44	.0009 J	.09	.003 U	.0006 J	.0007 J	.003 U	.003 U	.004 J	.003 U	.003 U	.003 U	.013 J	.0008 J	.003 U	.003 U
Bromomethane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon Disulfide	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	350	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	.003 U	.015 U	.003 U	.003 U	.003 U	.003 U	.003 U	.007 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U	.003 U
Isopropylbenzene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Tert-Butyl Ether	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	500	.002 J	.015 U	.003 UJ	.003 U	.003 U	.003 U	.003 U	.007 U	.003 U	.003 U	.003 UJ	.017	.003 U	.003 U	.003 U
trans-1,2-Dichloroethene	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl Chloride	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	500	.003 U	.011 J	.003 UJ	.003 U	.003 U	.003 U	.003 U	.007 U	.003 U	.003 U	.003 UJ	.013 J	.003 U	.003 U	.003 U

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-33	SB-33	SB-33	SB-33	SB-33	SB-34	SB-34	SB-34	SB-35	SB-35	SB-35	SB-35	SB-35	SB-36	SB-36	SB-36	SB-36	SB-36
Sample Date		2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	5/27/2005	5/27/2005	5/27/2005	5/26/2005	5/26/2005	5/26/2005	5/26/2005	5/26/2005	6/6/2005	6/6/2005	6/6/2005	6/6/2005	6/6/2005
Depth Interval (ft)		10 - 12	20 - 22	28 - 30	38 - 40	6 - 8	6 - 8	12 - 14	22 - 24	2 - 4	6 - 8	10 - 12	18 - 20	28 - 30	4 - 6	14 - 16	16 - 18	20 - 22	30 - 32
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																		
1,1-Dichloroethene	500	.1 U	---	---	---	---	.0031 U	.0031 U	.0032 U	.016 U	.0078 U	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
1,2-Dibromo-3-Chloropropane	NC	.1 U	---	---	---	---	.0061 U	.0062 U	.0063 U	.033 U	.016 U	.0061 U	.006 U	.0065 U	30 U	3.1 U	.065 U	.059 U	.0063 UJ
2-Hexanone	NC	.1 U	---	---	---	---	.0061 U	.0062 U	.0063 U	.033 U	.016 U	.0061 U	.006 U	.0065 U	30 U	3.1 U	.065 U	.059 U	.0063 UJ
4-Methyl-2-Pentanone	NC	.1 U	---	---	---	---	.0061 U	.0062 U	.0063 U	.033 U	.016 U	.0061 U	.006 U	.0065 U	30 U	3.1 U	.065 U	.059 U	.0063 UJ
Acetone	500	.12 UJ	---	---	---	---	.012 U	.012 U	.012 J	.066 U	.031 U	.044 U	.02 U	.018 U	59 U	6.2 U	.13 U	.12 U	.013 UJ
Benzene	44	.1 U	.003 U	.003 U	.0006 J	.001 J	.0031 U	.0031 U	.0032 UJ	.016 U	.002 J	.004	.003 U	.0032 U	33	1.5 U	.033 U	.03 U	.001 J
Bromomethane	NC	.091 J	---	---	---	---	.0061 U	.0062 U	.0063 U	.033 U	.016 U	.0061 U	.006 U	.0065 U	30 U	3.1 U	.065 U	.059 U	.0063 UJ
Carbon Disulfide	NC	.1 U	---	---	---	---	.0031 U	.0031 U	.0032 U	.016	.0078 U	.0018 J	.003 U	.0012 J	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Chloroform	350	.1 U	---	---	---	---	.0031 U	.0024 J	.0032 U	.016 U	.0078 U	.0031 U	.003 U	.0029 J	15 U	1.5 U	.033 U	.03 U	.0031 UJ
cis-1,2-Dichloroethene	500	.1 U	---	---	---	---	.0031 U	.0031 U	.0032 U	.016 U	.011	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Cyclohexane	NC	---	---	---	---	---	.0031 U	.0031 U	.0032 U	.016 U	.0078 U	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Dichlorobenzenes (1,2-)	500	---	---	---	---	---	.0031 U	.0031 U	.0032 U	.016 U	.0078 U	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Dichlorobenzenes (1,4-)	130	---	---	---	---	---	.0031 U	.0031 U	.0032 U	.016 U	.0078 U	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Ethylbenzene	390	.1 U	.003 U	.003 U	.003 U	.002 J	.0031 U	.0031 U	.0032 UJ	.14	.019	.0049	.003 U	.0032 U	210	.23 J	.039	.017 J	.0031 UJ
Isopropylbenzene	NC	---	---	---	---	---	.0031 U	.0031 U	.0032 UJ	.0035 J	.0078 U	.0031 U	.003 U	.0032 U	8.6 J	.12 J	.033 U	.03 U	.0031 UJ
Methyl Acetate	NC	---	---	---	---	---	.0031 U	.0031 U	.0032 UJ	.016 J	.0078 U	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Methyl Ethyl Ketone	500	.1 U	---	---	---	---	.012 U	.012 U	.013 UJ	.063 U	.031 U	.0055 J	.012 U	.013 U	59 U	6.2 U	.13 U	.12 U	.013 UJ
Methyl Tert-Butyl Ether	500	---	---	---	---	---	.0031 U	.0031 U	.0032 UJ	.016 U	.0078 U	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Methylcylohexane	NC	---	---	---	---	---	.0031 U	.0031 U	.0032 UJ	.016 U	.0078 U	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Methylene Chloride	500	.1 U	---	---	---	---	.0061 U	.0062 U	.0013 J	.033 U	.016 U	.0061 U	.006 U	.0065 U	30 U	3.1 U	.065 U	.059 U	.0063 UJ
Styrene	NC	.1 U	---	---	---	---	.0031 U	.0031 U	.0032 U	.073	.0078 U	.0038	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Tetrachloroethene	150	.76	---	---	---	---	.0031 U	.0027 J	.0032 UJ	.016 U	.13	.0013 J	.003 U	.0032 U	15 U	1.2 J	.085	.03 U	.0031 UJ
Toluene	500	.1 U	.003 U	.003 UJ	.003 UJ	.003 U	.0031 U	.0031 U	.0032 UJ	.12	.0078 U	.0026 J	.003 U	.0032 U	82	1.5 U	.033 U	.03 U	.0031 UJ
trans-1,2-Dichloroethene	500	.1 U	---	---	---	---	.0031 U	.0031 U	.0032 U	.016 U	.003 J	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Trichlorobenzenes (1,2,4-)	NC	---	---	---	---	---	.0061 U	.0062 U	.0063 UJ	.033 U	.016 U	.0061 U	.006 U	.0065 U	30 U	3.1 U	.065 U	.059 U	.0063 UJ
Trichloroethene	200	.1 U	---	---	---	---	.0031 U	.0031 U	.0032 UJ	.016 U	.47	.0031 U	.003 U	.0032 U	15 U	1.5 U	.033 U	.03 U	.0031 UJ
Vinyl Chloride	13	.1 U	---	---	---	---	.0061 U	.0062 U	.0063 U	.033 U	.016 U	.0061 U	.006 U	.0065 U	30 U	3.1 U	.065 U	.059 U	.0063 UJ
Xylenes, Total	500	.76	.0008 J	.003 UJ	.003 UJ	.006	.0061 U	.0062 U	.0063 UJ	.28	.002 J	.01	.006 U	.0065 U	130	.27 J	.015 J	.0088 J	.0063 UJ

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-37	SB-37	SB-38	SB-38	SB-38	SB-38	SB-39	SB-39	SB-39	SB-40	SB-40	SB-40	SB-40	SB-40	SB-41	SB-41	SB-41	SB-41
Sample Date		6/1/2005	6/1/2005	5/31/2005	5/31/2005	5/31/2005	5/31/2005	5/20/2005	5/20/2005	5/20/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005
Depth Interval (ft)		6 - 8	24 - 26	4 - 6	6 - 8	26 - 28	26 - 28	6 - 8	10 - 12	44 - 46	8 - 10	20 - 22	32 - 34	34 - 36	36 - 38	8 - 10	12 - 14	26 - 28	28 - 30
Sample Type		N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																		
1,1-Dichloroethene	500	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
1,2-Dibromo-3-Chloropropane	NC	.0062 U	.0061 U	.0064 U	.0061 U	.0064 U	.0063 U	.022 U	.027 U	.051 U	.0058 U	.007 U	120 U	530 U	3 U	120 U	.058 U	.056 U	.039 U
2-Hexanone	NC	.0062 U	.0061 U	.0064 U	.0061 U	.0064 U	.0063 U	.022 U	.027 U	.051 U	.0058 U	.007 U	120 U	530 U	3 U	120 U	.058 U	.056 U	.039 U
4-Methyl-2-Pentanone	NC	.0062 U	.0061 U	.0064 U	.0061 U	.0064 U	.0063 U	.022 U	.027 U	.051 U	.0058 U	.007 U	120 U	530 U	3 U	120 U	.058 U	.056 U	.039 U
Acetone	500	.012 UJ	.012 U	.03 U	.023 U	.013 UJ	.013 UJ	.044 U	.055 U	.1 U	.012 U	.014 U	240 U	1100 U	6 U	240 U	.03 J	.11 U	.078 U
Benzene	44	.0031 U	.003 U	.0023 J	.019	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0036	.0015 J	59 U	260 U	1.5 U	**270**	.092	.038	.018 J
Bromomethane	NC	.0062 U	.0061 U	.0064 U	.0061 U	.0064 U	.0063 U	.022 U	.027 U	.051 U	.0058 U	.007 U	120 U	530 U	3 U	120 U	.058 U	.056 U	.039 U
Carbon Disulfide	NC	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Chloroform	350	.0031 U	.0038	.0032 U	.003 U	.013	.0084	.011 U	.014 U	.0066 J	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
cis-1,2-Dichloroethene	500	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.0043 J	.0049 J	.025 U	.2	.0035 U	59 U	260 U	1.5 U	60 U	1.1	.059	.028
Cyclohexane	NC	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Dichlorobenzenes (1,2-)	500	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.00091 J	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Dichlorobenzenes (1,4-)	130	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Ethylbenzene	390	.0031 U	.003 U	.0032 U	.0016 J	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	9.1 J	.01 J	.0076 J	.02 U
Isopropylbenzene	NC	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Methyl Acetate	NC	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Methyl Ethyl Ketone	500	.012 U	.012 U	.0053 J	.0034 J	.013 U	.013 U	.044 U	.055 U	.1 U	.012 U	.014 U	240 U	1100 U	6 U	240 U	.12 U	.11 U	.078 U
Methyl Tert-Butyl Ether	500	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Methylcylohexane	NC	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Methylene Chloride	500	.0062 U	.0061 U	.0064 U	.0061 U	.0064 U	.0063 U	.031	.01 J	.017 J	.0058 U	.007 U	120 U	530 U	3 U	120 U	.058 U	.056 U	.039 U
Styrene	NC	.0031 U	.003 U	.0032 U	.0061	.0032 U	.0031 U	.011 U	.014 U	.025 U	.0029 U	.0035 U	59 U	14 J	1.5 U	40 J	.026 J	.063	.015 J
Tetrachloroethene	150	.0087	.003 U	.032	.019	.0032 U	.0031 U	.081	.039	1.7	.1	.18	**240**	**4800**	.65 J	60 U	.029 U	.012 J	.1
Toluene	500	.0031 U	.003 U	.004	.023	.0032 U	.0031 U	.0031 J	.014 U	.025 U	.0029 U	.0035 U	59 U	26 J	1.5 U	170	.085	.062	.033
trans-1,2-Dichloroethene	500	.0031 U	.003 U	.0032 U	.003 U	.0032 U	.0031 U	.011 U	.014 U	.025 U	.00075 J	.0035 U	59 U	260 U	1.5 U	60 U	.029 U	.028 U	.02 U
Trichlorobenzenes (1,2,4-)	NC	.0062 U	.0061 U	.0064 U	.0061 U	.0064 U	.0063 U	.022 U	.027 U	.051 U	.0058 U	.007 U	120 U	530 U	3 U	120 U	.058 U	.056 U	.039 U
Trichloroethene	200	.00095 J	.003 U	.0015 J	.00072 J	.0032 U	.0031 U	.0053 J	.006 J	.023 J	.048	.0035 U	59 U	260 U	1.5 U	60 U	.011 J	.0098 J	.028
Vinyl Chloride	13	.0062 U	.0061 U	.0064 U	.0061 U	.0064 U	.0063 U	.022 U	.027 U	.051 U	.0058 U	.007 U	120 U	530 U	3 U	120 U	.061	.056 U	.039 U
Xylenes, Total	500	.0062 U	.0061 U	.0027 J	.029	.0064 U	.0063 U	.0036 J	.027 U	.0083 J	.0058 U	.0018 J	120 U	60 J	3 U	150	.15	.18	.043

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-42	SB-42	SB-43	SB-43	SB-43	SB-43	SB-43	SB-44	SB-44	SB-44	SB-45	SB-45	SB-45	SB-45	SB-46	SB-46	SB-46	SB-47	SB-47
Sample Date		6/9/2005	6/9/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	5/18/2005	5/18/2005	5/18/2005	5/18/2005	5/17/2005	5/17/2005	5/17/2005	6/2/2005	6/2/2005
Depth Interval (ft)		8 - 10	16 - 18	8 - 10	8 - 10	10 - 12	14 - 16	16 - 18	6 - 8	12 - 14	20 - 22	8 - 10	10 - 12	14 - 16	32 - 34	6 - 8	12 - 14	36 - 38	14 - 16	20 - 22
Sample Type		N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																			
1,1-Dichloroethene	500	.029 U	.00084 J	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.1 U	.0073 U	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.0086 U	.028 U
1,2-Dibromo-3-Chloropropane	NC	.017 J	.0062 U	3 UJ	.054 U	.056 U	.059 U	.012 U	.21 U	.015 U	.0063 U	.0063 U	.006 U	.0058 U	.006 U	.0072 U	.0063 U	.006 UJ	.017 U	.056 U
2-Hexanone	NC	.074	.0062 U	3 UJ	.054 U	.056 U	.059 U	.012 U	.21 U	.015 U	.0063 U	.0063 U	.006 U	.0058 U	.006 U	.0072 U	.0063 U	.006 UJ	.017 U	.056 U
4-Methyl-2-Pentanone	NC	.011 J	.0062 U	3 UJ	.054 U	.056 U	.059 U	.012 U	.21 U	.015 U	.0063 U	.0063 U	.006 U	.0058 U	.006 U	.0072 U	.0063 U	.006 UJ	.017 U	.056 U
Acetone	500	.11 U	.012 U	6.1 UJ	.11 U	.11 U	.12 U	.025 U	.86	.029 U	.013 U	.016 U	.012 U	.012 U	.012 U	.27	.013 U	.012 UJ	.034 UJ	.11 UJ
Benzene	44	.15	.025	.87 J	.14	.0067 J	.03 U	.0084	.86	.0054 J	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.029	.0076 J
Bromomethane	NC	.057 U	.0062 U	3 UJ	.054 U	.056 U	.059 U	.012 U	.21 U	.015 U	.0063 U	.0063 U	.006 U	.0058 U	.006 U	.0072 U	.0063 U	.006 UJ	.017 U	.056 U
Carbon Disulfide	NC	.029 U	.0026 J	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.083 J	.0022 J	.0032 U	.00098 J	.001 J	.0029 U	.003 U	.0086	.0031 U	.00061 J	.0052 J	.01 J
Chloroform	350	.029 U	.0031 U	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.1 U	.0073 U	.0043	.0031 U	.003 U	.0029 U	.0013 J	.0036 U	.0031 U	.003 UJ	.0086 U	.028 U
cis-1,2-Dichloroethene	500	2.2	1.1	1.5 UJ	.027 U	.36	.076	.22	.1 U	.0054 J	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.0022 J	.028 U
Cyclohexane	NC	.019 J	.0031 U	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.1 U	.0073 U	.0032 U	.0031 U	.00071 J	.0029 U	.003 U	.0047	.0031 U	.003 UJ	.03	.028 U
Dichlorobenzenes (1,2-)	500	.029 U	.0031 U	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.1 U	.0073 U	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.0086 U	.028 U
Dichlorobenzenes (1,4-)	130	.029 U	.0031 U	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.1 U	.0073 U	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0023 J	.0031 U	.003 UJ	.0086 U	.028 U
Ethylbenzene	390	.05	.025	7.9 J	.84 J	.029	.03 U	.0062 U	10	.023	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.001 J	.00066 J	.003 UJ	1.6	.23
Isopropylbenzene	NC	.029 U	.0031 U	.41 J	.041	.0073 J	.03 U	.0062 U	5.6	.0019 J	.0032 U	.0031 U	.00073 J	.0029 U	.003 U	.0073	.0031 U	.003 UJ	.27	.065
Methyl Acetate	NC	.029 U	.0031 U	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.1 U	.0073 U	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0014 J	.0031 U	.003 UJ	.0086 U	.028 U
Methyl Ethyl Ketone	500	.11 U	.012 U	6.1 UJ	.11 U	.11 U	.12 U	.025 U	.29 J	.0022 J	.013 U	.0047 J	.0023 J	.012 U	.012 U	.16	.0018 J	.012 UJ	.034 U	.11 U
Methyl Tert-Butyl Ether	500	.029 U	.0031 U	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.1 U	.0073 U	.0026 J	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.0086 U	.028 U
Methylcylohexane	NC	.017 J	.0031 U	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.022 J	.0073 U	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.018	.021 J
Methylene Chloride	500	.057 U	.0062 U	3 UJ	.054 U	.056 U	.059 U	.012 U	.21 U	.015 U	.0063 U	.0063 U	.006 U	.0058 U	.006 U	.0072 U	.0063 U	.0013 J	.017 U	.056 U
Styrene	NC	.033	.0031 U	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.025 J	.0073 U	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.0086 U	.028 U
Tetrachloroethene	150	.029	.0028 J	1.5 UJ	.027 U	.028 U	.16	.19	.1 U	.0017 J	.0069	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.0086 U	.028 U
Toluene	500	.042	.0061 U	1.5 UJ	.015 J	.01 J	.03 U	.0062 U	.15	.011 U	.022	.0031 U	.003 U	.0029 U	.003 U	.0016 J	.0031 U	.003 UJ	.012 U	.028 U
trans-1,2-Dichloroethene	500	.0098 J	.0062	1.5 UJ	.027 U	.028 U	.03 U	.0062 U	.1 U	.0073 U	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.0086 U	.028 U
Trichlorobenzenes (1,2,4-)	NC	.03 J	.0062 U	3 UJ	.054 U	.056 U	.059 U	.012 U	.21 U	.015 U	.0063 U	.0063 U	.006 U	.0058 U	.006 U	.0072 U	.0063 U	.006 UJ	.017 U	.056 U
Trichloroethene	200	.029 U	.022	1.5 UJ	.027 U	.041	.033	.047	.1 U	.0034 J	.0032 U	.0031 U	.003 U	.0029 U	.003 U	.0036 U	.0031 U	.003 UJ	.0086 U	.028 U
Vinyl Chloride	13	.057 U	.0062 U	3 UJ	.054 U	.056 U	.059 U	.0062 J	.21 U	.015 U	.0063 U	.0063 U	.006 U	.0058 U	.006 U	.0072 U	.0063 U	.006 UJ	.017 U	.056 U
Xylenes, Total	500	.098	.013	3 J	.4 J	.0058 J	.059 U	.012 U	7.1	.0085 J	.0063 U	.0063 U	.00097 J	.0058 U	.006 U	.0036 J	.0017 J	.0006 J	.25	.078

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-47	SB-47	SB-48	SB-48	SB-48	SB-48	SB-49	SB-49	SB-49	SB-49	SB-49	SB-50	SB-50B	SB-50B	SB-50B	SB-50B	SB-50B	SB-50B
Sample Date		6/2/2005	6/2/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	6/7/2005	6/7/2005	6/7/2005	6/7/2005	6/7/2005	5/23/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Depth Interval (ft)		34 - 36	40 - 42	8 - 10	16 - 18	34 - 36	44 - 46	6 - 8	14 - 16	16 - 18	22 - 24	36 - 38	8 - 10	12 - 14	12 - 14	14 - 16	22 - 24	26 - 28	30 - 32
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Chemical Name	Action Level[1]																		
1,1-Dichloroethene	500	.03 U	.026 U	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	.028 U	57 U	57 U	53 U	.021 U	.022 U	6.1 U
1,2-Dibromo-3-Chloropropane	NC	.059 U	.052 U	.0068 U	.0068 U	.0059 U	.032 U	.17 U	120 U	.066 U	.065 U	.06 U	.056 U	110 U	110 U	110 U	.042 U	.045 U	12 U
2-Hexanone	NC	.059 U	.052 U	.0068 U	.0068 U	.0059 U	.032 U	.17 U	120 U	.066 U	.065 U	.06 U	.056 U	110 U	110 U	110 U	.042 U	.045 U	12 U
4-Methyl-2-Pentanone	NC	.059 U	.052 U	.0068 U	.0068 U	.0059 U	.032 U	.17 U	120 U	.066 U	.065 U	.06 U	.056 U	110 U	110 U	110 U	.042 U	.045 U	12 U
Acetone	500	.12 UJ	.1 UJ	.085	.022	.012 U	.064 U	1.3	240 U	.13 U	.13 U	.12 U	.11 U	230 U	230 U	210 U	.085 U	.089 U	24 U
Benzene	44	.03 U	.01 J	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.0076 J	7.5	33 J	**55 J**	38 J	.023	.29	3 J
Bromomethane	NC	.059 U	.052 U	.0068 U	.0068 U	.0059 U	.032 U	.17 U	120 U	.066 U	.065 U	.06 U	.056 U	110 U	110 U	110 U	.042 U	.045 U	12 U
Carbon Disulfide	NC	.03 U	.0098 J	.0013 J	.0016 J	.0029 U	.016 U	.023 J	61 U	.033 U	.033 U	.03 U	.051	57 U	57 U	53 U	.021 U	.022 U	6.1 U
Chloroform	350	.03 U	.026 U	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	.028 U	57 U	57 U	53 U	.021 U	.022 U	6.1 U
cis-1,2-Dichloroethene	500	.077	.28	.0034 U	.0034 U	.00088 J	.0037 J	.083 U	61 U	.0078 J	.033 U	.013 J	.028 U	6.2 J	17 J	7.4 J	.0083 J	.06	6.1 U
Cyclohexane	NC	.03 U	.026 U	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	.012 J	57 U	57 U	53 U	.021 U	.022 U	6.1 U
Dichlorobenzenes (1,2-)	500	.03 U	.026 U	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	.028 U	57 U	57 U	53 U	.021 U	.022 U	6.1 U
Dichlorobenzenes (1,4-)	130	.03 U	.026 U	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	.028 U	57 U	57 U	53 U	.021 U	.022 U	6.1 U
Ethylbenzene	390	1.5	1.4	.0034 U	.011	.0029 U	.035	.083 U	46 J	.033 U	.033 U	.1	2.4 J	18 J	86	32 J	.017 J	.15	.27 J
Isopropylbenzene	NC	.13	.057	.0034 U	.0034 U	.0029 U	.016 U	.26	11 J	.033 U	.033 U	.018 J	.32	57 U	57 U	53 U	.021 U	.0055 J	6.1 U
Methyl Acetate	NC	.03 U	.026 U	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	.028 U	57 U	57 U	53 U	.021 U	.022 U	6.1 U
Methyl Ethyl Ketone	500	.12 U	.1 U	.014 J	.014 U	.012 U	.064 U	.27 J	240 U	.13 U	.13 U	.12 U	.02 J	230 U	230 U	210 U	.085 U	.089 U	24 U
Methyl Tert-Butyl Ether	500	.03 U	.026 U	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	.028 U	57 U	57 U	53 U	.021 U	.022 U	6.1 U
Methylcylohexane	NC	.025 J	.026 U	.0034 U	.0034 U	.0029 U	.016 U	.12	61 U	.033 U	.033 U	.03 U	.08	57 U	57 U	53 U	.021 U	.022 U	6.1 U
Methylene Chloride	500	.059 U	.052 U	.0068 U	.0068 U	.0059 U	.032 U	.17 U	120 U	.066 U	.065 U	.06 U	.056 U	110 U	110 U	8.8 J	.024 J	.01 J	12 U
Styrene	NC	.15	.036	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	10	35 J	72	41 J	.029	.24	.44 J
Tetrachloroethene	150	.03 U	.029 U	.0034 U	.0034 U	.021	.15	.083 U	61 U	.15	.099	.11	.028 U	57 UJ	**230**	**380**	.62	1.1	55
Toluene	500	.12	.032	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	19	110	170	130	.066	.75	.29 J
trans-1,2-Dichloroethene	500	.28	.32	.0034 U	.0034 U	.0029 U	.016 U	.083 U	61 U	.033 U	.033 U	.03 U	.028 U	57 U	57 U	53 U	.021 U	.022 U	6.1 U
Trichlorobenzenes (1,2,4-)	NC	.059 U	.052 U	.0068 U	.0068 U	.0059 U	.032 U	.17 U	120 U	.066 U	.065 U	.06 U	.056 U	110 U	110 U	110 U	.042 U	.045 U	12 U
Trichloroethene	200	.55	4.5	.002 J	.0034 U	.018	.28	.083 U	61 U	.047	.11	.046	.028 U	4.6 J	45 J	6.3 J	.021 U	.037	.46 J
Vinyl Chloride	13	.059 U	.052 U	.0068 U	.0068 U	.0059 U	.032 U	.17 U	120 U	.066 U	.065 U	.06 U	.056 U	110 U	110 U	110 U	.042 U	.045 U	12 U
Xylenes, Total	500	2	1	.0068 U	.0068 U	.00082 J	.032 U	.029 J	31 J	.066 U	.065 U	.11	41	160	390	220	.15	1.4	1.5 J

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

	Location ID	SB-51	SB-51	SB-51	SB-51	SB-51	SB-53	SB-53	SB-54	SB-54	SB-54	SB-54
	Sample Date	5/18/2005	5/19/2005	5/19/2005	5/19/2005	5/19/2005	6/3/2005	6/3/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005
	Depth Interval (ft)	8 - 10	14 - 16	20 - 22	20 - 22	42 - 44	8 - 10	14 - 16	8 - 10	16 - 18	22 - 24	26 - 28
	Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]											
1,1-Dichloroethene	500	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.027 U	.026 U	.022 U
1,2-Dibromo-3-Chloropropane	NC	.034 U	.029 U	.029	.029 U	2.9 U	.0063 U	.0059 U	.052 U	.053 U	.051 U	.044 U
2-Hexanone	NC	.034 U	.029 U	.011	.029 U	2.9 U	.0063 U	.0059 U	.052 U	.053 U	.051 U	.044 U
4-Methyl-2-Pentanone	NC	.034 U	.029 U	.029	.029 U	2.9 U	.0063 U	.0059 U	.052 U	.053 U	.051 U	.044 U
Acetone	500	.068 U	.058 U	.058	.059 U	5.9 U	.066 J	.012 UJ	.1 U	.11 U	.1 U	.088 U
Benzene	44	.017 U	.014 U	.015	.015 U	.059 J	.0032 U	.0029 U	.39	.0083 J	.016 J	.0089 J
Bromomethane	NC	.034 U	.029 U	.029	.029 U	2.9 U	.0063 U	.0059 U	.052 U	.053 U	.051 U	.044 U
Carbon Disulfide	NC	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.027 U	.026 U	.0069 J
Chloroform	350	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.027 U	.026 U	.022 U
cis-1,2-Dichloroethene	500	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.093	3.9	.19	.21 J
Cyclohexane	NC	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.034 J	.026 U	.022 U
Dichlorobenzenes (1,2-)	500	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.021 J	.026 U	.022 U
Dichlorobenzenes (1,4-)	130	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.027 U	.026 U	.022 U
Ethylbenzene	390	.62	.0098 J	.038	.0098 J	.1 J	.0032 U	.0029 U	.47	.43 J	.071	.37 J
Isopropylbenzene	NC	.023	.014 U	.0041	.015 U	1.5 U	.0032 U	.0029 U	.026 U	2.9	.023 J	.46 J
Methyl Acetate	NC	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.027 U	.026 U	.022 U
Methyl Ethyl Ketone	500	.068 U	.058 U	.058	.059 U	5.9 U	.022	.012 U	.1 U	.11 U	.1 U	.088 U
Methyl Tert-Butyl Ether	500	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.027 U	.026 U	.022 U
Methylcylohexane	NC	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.027 J	.026 U	.02 J
Methylene Chloride	500	.034 U	.01 J	.041	.014 J	2.9 U	.0064 U	.0059 U	.052 U	.053 U	.051 U	.021 J
Styrene	NC	.017 U	.014 U	.015	.015 U	.48 J	.0032 U	.0029 U	.035	.027 U	.026 U	.022 U
Tetrachloroethene	150	.017 U	.014 U	.015	.015 U	1.5 U	.0094	.0029 U	.042	.18 J	.11	1.2 J
Toluene	500	.026	.014 U	.015	.015 U	.25 J	.0032 U	.0029 U	.25	.011 J	.017 J	.027 J
trans-1,2-Dichloroethene	500	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.026 U	.01 J	.026 U	.022 U
Trichlorobenzenes (1,2,4-)	NC	.034 U	.029 U	.029	.029 U	2.9 U	.0064 U	.0059 U	.052 U	.053 U	.051 U	.044 U
Trichloroethene	200	.017 U	.014 U	.015	.015 U	1.5 U	.0032 U	.0029 U	.035	.073	.17	.25 J
Vinyl Chloride	13	.034 U	.029 U	.029	.029 U	2.9 U	.0063 U	.0059 U	.052 U	.053 U	.051 U	.044 U
Xylenes, Total	500	.37	.029 U	.021	.029 U	.72 J	.0063 U	.0059 U	1.2	1.4 J	.19	1.5 J

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 4
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Volatile Organic Compounds

Location ID		SB-54	TP-02	TP-03	TP-03	TW-01	TW-01	TW-01	TW-01	TW-02	TW-02	TW-02	TW-03	TW-03	TW-03	TW-03	TW-03
Sample Date		5/24/2005	5/23/2005	5/23/2005	5/23/2005	7/23/2003	7/23/2003	7/23/2003	7/23/2003	7/24/2003	7/24/2003	7/24/2003	7/25/2003	7/28/2003	7/28/2003	7/28/2003	7/28/2003
Depth Interval (ft)		40 - 42	4 - 6	6 - 8	4 - 6	18 - 20	2 - 3	10 - 12	24 - 26	10 - 12	18 - 20	2 - 4	0.75 - 2	22 - 24	12 - 14	18 - 20	18 - 20
Sample Type		N	TB	TB	TB	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical Name	Action Level[1]																
1,1-Dichloroethene	500	1.5 U	.03 U	.04 U	2.1 U	.003 U	.023 U	.003 U	.003 U	.003 U	.003 U	.57 U	.003 U	.003 U	.003 U	.003 U	.003 U
1,2-Dibromo-3-Chloropropane	NC	3 U	.06 U	.079 U	4.1 U	.003 U	.023 U	.003 U	.003 U	.003 U	.003 U	.57 U	.003 U	.003 U	.003 U	.003 U	.003 U
2-Hexanone	NC	3 U	.06 U	.079 U	4.1 U	.006 U	.046 U	.006 U	.006 U	.006 U	.006 U	1.1 U	.006 U	.006 U	.006 U	.006 U	.006 U
4-Methyl-2-Pentanone	NC	3 U	.06 U	.079 U	4.1 U	.006 U	.046 U	.006 U	.006 U	.006 U	.006 U	1.1 U	.006 U	.006 U	.006 U	.006 U	.006 U
Acetone	500	6 U	.12 U	.19 U	8.3 U	.012 U	.058 U	.012 U	.017 U	.012 U	.012 U	2.3 U	.011 U	.012 U	.012 U	.012 U	.012 U
Benzene	44	1.5 U	.03 U	.052	2.1 U	.003 U	.005 J	.003 U	.003 U	.003 U	.003 U	.57 U	.004	.003 U	.003 U	.003 U	.003 U
Bromomethane	NC	3 U	.06 U	.079 U	4.1 U	.006 UJ	.046 UJ	.006 UJ	.006 UJ	.006 UJ	.006 UJ	1.1 UJ	.006 UJ	.006 UJ	.006 UJ	.006 UJ	.006 UJ
Carbon Disulfide	NC	1.5 U	.03 U	.04 U	2.1 U	.003 U	.011 J	.003 U	.003 U	.001 J	.003 U	.57 U	.001 J	.003 U	.003 U	.003 U	.003 U
Chloroform	350	1.5 U	.03 U	.04 U	2.1 U	.003	.023 U	.001 J	.003 U	.002 J	.015	.57 U	.0008 J	.002 J	.001 J	.005	.006
cis-1,2-Dichloroethene	500	1.5 U	.03 U	.04 U	2.1 U	.004	1	.012	.003 U	.004	.003 U	.57 U	.005	.003	.016	.003 J	.002 J
Cyclohexane	NC	1.5 U	.03 U	.04 U	2.1 U	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,2-)	500	1.5 U	.03 U	.04 U	2.1 U	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzenes (1,4-)	130	1.5 U	.03 U	.04 U	2.1 U	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	390	1.5 U	2.3	.25	.17 J	.003 U	.023 U	.003 U	.003 U	.003 U	.003 U	.57 U	.003 U	.002 J	.002 J	.003 U	.001 J
Isopropylbenzene	NC	.065 J	13 J	.12	2.1 U	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	NC	1.5 U	.03 U	.04 U	2.1 U	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	500	6 U	.024 J	.063 J	8.3 U	.012 U	.093 U	.012 U	.012 U	.012 U	.012 U	2.3 U	.011 U	.012 U	.012 U	.012 U	.012 U
Methyl Tert-Butyl Ether	500	1.5 U	.03 U	.04 U	2.1 U	---	---	---	---	---	---	---	---	---	---	---	---
Methylcylohexane	NC	1.5 U	.091	.04 U	2.1 U	---	---	---	---	---	---	---	---	---	---	---	---
Methylene Chloride	500	3 U	.036 J	.079 U	4.1 U	.006 U	.046 U	.006 U	.006 U	.006 U	.006 U	1.1 U	.006 U	.006 U	.006 U	.006 U	.006 U
Styrene	NC	1.5 U	.03 U	.089	2.1 U	.003 U	.023 U	.003 U	.003 U	.003 U	.003 U	.57 U	.003 U	.003 U	.003 U	.003 U	.003 U
Tetrachloroethene	150	.26 J	.1	.04 U	2.1 U	.011	5.6 E	.071	.003 U	.025	.003 U	.57 U	16 E	.023	.13	.023	.014 J
Toluene	500	1.5 U	.03 U	.056	2.1 U	.003 U	.023 U	.003 U	.003 U	.0006 J	.003 U	.57 U	.0006 J	.002 J	.001 J	.003 U	.002 J
trans-1,2-Dichloroethene	500	1.5 U	.03 U	.04 U	2.1 U	.003 U	.016 J	.003 U	.003 U	.003 U	.003 U	.57 U	.0006 J	.003 U	.003 U	.003 U	.003 U
Trichlorobenzenes (1,2,4-)	NC	3 U	.06 U	.079 U	4.1 U	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	200	.077 J	.011 J	.04 U	2.1 U	.003 J	1.3	.01	.003 U	.008	.003 U	.57 U	.037	.003	.016	.003 J	.002 J
Vinyl Chloride	13	3 U	.06 U	.079 U	4.1 U	.006 U	.037 J	.002 J	.006 U	.006 U	.006 U	1.1 U	.006 U	.006 U	.001 JN	.006 U	.006 U
Xylenes, Total	500	.14 J	3.6	.14	4.1 U	.003 U	.023 U	.003 U	.001 J	.001 J	.0008 J	.57 U	.0007 J	.011	.008	.003 U	.007 J

Notes:

Hits only table

Units are in mg/kg (milligrams per kilogram)

NC - No Criteria

U - compound analyzed but not detected above the method detection limit.

J - indicates an estimated value

E - compound exceeds the calibration range of the instrument for this analysis.

R - result was rejected

[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial

BOLD - Value exceeds Action Level

--- - Not Analyzed

Sample Type N - Normal

Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

Location ID		MW-01	MW-01	MW-02	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04	MW-04	MW-05	MW-05	MW-05	MW-06D	MW-06D	MW-06S	MW-07D	MW-07D	MW-07D	MW-07S
Sample Date		2/11/1998	2/11/1998	2/11/1998	2/11/1998	2/11/1998	2/11/1998	2/12/1998	2/13/1998	2/13/1998	2/13/1998	2/13/1998	2/13/1998	2/13/1998	5/18/1998	5/18/1998	10/5/1998	5/21/1998	5/21/1998	5/21/1998	10/5/1998
Depth Interval (ft)		6 - 8	18 - 20	8 - 10	16 - 18	20 - 22	6 - 8	18 - 20	6 - 8	12 - 14	18 - 20	4 - 6	12 - 14	18 - 20	4 - 6	8 - 10	0 - 0.5 *	4 - 6	8 - 10	8 - 10	0 - 0.5 *
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Chemical Name	Action Level[1]																				
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	NC	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
2-Methylnaphthalene	NC	.4 U	.4 U	.37 J	.29 J	.092 J	.43 U	.42 U	.41 U	.41 U	.41 U	1.6 UJ	.14 J	.26 J	.15 J	.41 U	1.9 U	.42 U	.42 U	.41 U	1.9 U
2-Methylphenol	500	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
4-Methylphenol	500	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
Acenaphthene	500	.4 U	.4 U	.41 U	.4 U	.41 U	.43 U	.42 U	.044 J	.41 U	.41 U	1.6 UJ	.47 U	.41 U	.087 J	.41 U	1.9 U	.42 U	.42 U	.41 U	1.9 U
Acenaphthylene	500	.4 U	.4 U	.41 U	.042 J	.41 U	.43 U	.42 U	.051 J	.096 J	.41 U	1.6 UJ	.15 J	.14 J	.083 J	.41 U	1.9 U	.42 U	.42 U	.41 U	1.9 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	500	.4 U	.4 U	.41 U	.092 J	.41 U	.43 U	.42 U	.16 J	.085 J	.41 U	1.6 UJ	.44 J	.13 J	.47	.41 U	1.9 U	.42 U	.42 U	.41 U	1.9 U
Benz(a)Anthracene [2]	5.6	.4 U	.11 J	.2 J	.4 J	.17 J	.049 J	.42 U	.41 U	.41 U	.41 U	.38 J	1.6 J	.41 U	1.5	.41 U	4.1	.42 U	.42 U	.41 U	2.6
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)Pyrene [2]	1	.4 U	.093 J	.15 J	.31 J	.14 J	.43 U	.42 U	.41 U	.41 U	.41 U	.31 J	1 J	.41 U	**1.6 J**	.41 U	**4.2**	.42 U	.42 U	.41 U	**3**
Benzo(b)Fluoranthene [2]	5.6	.4 U	.19 J	.38 J	.65	.26 J	.048 J	.42 U	.41 U	.41 U	.41 U	.49 J	1.4 J	.41 U	2 J	.41 U	5	.42 U	.42 U	.41 U	4
Benzo(g,h,i)Perylene	500	.4 U	.079 J	.13 J	.31 J	.087 J	.43 U	.42 U	.41 U	.41 U	.41 U	.23 J	.39 J	.41 U	.84 J	.41 U	2.6	.42 U	.42 U	.41 U	2.1
Benzo(k)Fluoranthene [2]	56	.4 U	.068 J	.14 J	.26 J	.1 J	.43 U	.42 U	.41 U	.41 U	.41 U	.2 J	.54 J	.41 U	.67 J	.41 U	1.9	.42 U	.42 U	.41 U	1.9 U
bis(2-Ethylhexyl)Phthalate	NC	---	.15 J	.16 J	---	---	---	---	.1 J	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
Butyl Benzyl Phthalate	NC	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	NC	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	---	---	---	---	---
Chrysene [2]	56	.4 U	.11 J	.22 J	.4 J	.17 J	.043 J	.42 U	.41 U	.41 U	.41 U	.35 J	1.3 J	.41 U	1.4	.41 U	4.3	.42 U	.42 U	.41 U	2.7
Dibenz[a,h]anthracene [2]	0.56	.4 U	.4 U	.41 U	.4 U	.41 U	.43 U	.42 U	.41 U	.41 U	.41 U	1.6 UJ	.14 J	.41 U	.27 J	.41 U	1.9 U	.42 U	.42 U	.41 U	1.9 U
Dibenzofuran	350	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
Diethyl Phthalate	NC	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
di-n-Butylphthalate	NC	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
Fluoranthene	500	.4 U	.11 J	.4 J	.55	.21 J	.23 J	.42 U	.13 J	.32 J	.41 U	.43 J	1.7 J	.28 J	1.8	.41 U	6.1	.42 U	.42 U	.41 U	3.5
Fluorene	500	.4 U	.4 U	.41 U	.11 J	.41 U	.43 U	.42 U	.045 J	.41 U	.41 U	1.6 UJ	.13 J	.065 J	.15 J	.41 U	1.9 U	.42 U	.42 U	.41 U	1.9 U
Hexachlorobutadiene	NC	---	.4 U	.41 UJ	---	---	---	---	.41 UJ	---	---	---	---	.41 UJ	---	---	1.9 U	---	---	---	1.9 U
Hexachloroethane	NC	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
Indeno (1,2,3-Cd)Pyrene [2]	5.6	.4 U	.078 J	.13 J	.29 J	.088 J	.43 U	.42 U	.41 U	.41 U	.41 U	.21 J	.36 J	.41 U	.72 J	.41 U	2.6	.42 U	.42 U	.41 U	1.9 U
Naphthalene	500	.4 U	.4 U	2.3 J	2.2	.66	.43 U	.42 U	.049 J	.25 J	.41 U	1.6 UJ	1.2 J	1.1	.28 J	.41 U	1.9 U	.42 U	.42 U	.41 U	1.9 U
Phenanthrene	500	.4 U	.052 J	.64 J	.69	.21 J	.24 J	.42 U	.44	.21 J	.41 U	.34 J	1.1 J	.37 J	1.5	.41 U	3.7	.42 U	.42 U	.41 U	1.9 U
Phenol	500	---	.4 U	.41 U	---	---	---	---	.41 U	---	---	---	---	.41 U	---	---	1.9 U	---	---	---	1.9 U
Pyrene	500	.4 U	.1 J	.38 J	.56	.19 J	.22 J	.42 U	.15 J	.5	.41 U	.62 J	3 J	.42	2.7	.41 U	9.5	.42 U	.42 U	.41 U	4.9
Total PAHs	NC	0	0.99	5.44	7.154	2.377	0.83	0	1.069	1.461	0	3.56	14.59	2.765	16.22	0	44	0	0	0	22.8
Total CPAHs	NC	0	0.649	1.22	2.31	0.928	0.14	0	0	0	0	1.94	6.34	0	8.16	0	22.1	0	0	0	12.3

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

	Location ID	MW-08D	MW-08D	MW-08S	MW-09	MW-09	MW-09D	MW-09D	MW-09D	MW-09D	MW-09D	MW-09D	MW-10	MW-10	MW-14	MW-14	MW-14	MW-14	MW-18D	MW-18D	MW-18D
	Sample Date	5/21/1998	5/21/1998	10/5/1998	10/14/1999	10/14/1999	7/21/2003	7/21/2003	7/21/2003	7/21/2003	7/21/2003	7/21/2003	10/14/1999	10/14/1999	7/22/2003	7/22/2003	7/22/2003	7/22/2003	5/31/2005	5/31/2005	5/31/2005
	Depth Interval (ft)	4 - 6	8 - 10	0 - 0.5 *	10 - 12	18 - 20	6 - 7.2	12 - 14	12 - 14	20 - 22	28 - 30	44 - 45.5	6 - 8	18 - 20	4 - 6	12 - 14	22 - 24	30 - 32	4 - 6	6 - 8	14 - 16
	Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																				
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.35 U	.39 U	.41 U
2,4-Dimethylphenol	NC	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
2-Methylnaphthalene	NC	.41 U	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	24	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
2-Methylphenol	500	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
4-Methylphenol	500	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Acenaphthene	500	.41 U	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	22 J	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Acenaphthylene	500	.41 U	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	55	.14 J	.064 J	.4 U	.35 U	.39 U	.41 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.35 U	.39 U	.41 U
Anthracene	500	.41 U	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	58	.074 J	.091 J	.4 U	.35 U	.39 U	.41 U
Benz(a)Anthracene [2]	5.6	.41 U	.41 U	.36 U	420 U	420 U	.14 J	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	**74**	.18 J	.14 J	.4 U	.35 U	.39 U	.41 U
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.35 U	.39 U	.41 U
Benzo(a)Pyrene [2]	1	.41 U	.41 U	.36 U	420 U	420 U	.15 J	.4 U	.4 U	.4 UJ	.41 U	.37 U	380 U	390 U	**89**	.2 J	.12 J	.4 U	.35 U	.39 U	.41 U
Benzo(b)Fluoranthene [2]	5.6	.41 U	.41 U	.36 U	420 U	420 U	.21 J	.4 U	.4 U	.4 UJ	.41 U	.37 U	380 U	390 U	**91**	.17 J	.095 J	.4 U	.35 U	.39 U	.41 U
Benzo(g,h,i)Perylene	500	.41 U	.41 U	.36 U	420 U	420 U	.08 J	.4 U	.4 U	.4 UJ	.41 U	.37 U	380 U	390 U	49	.088 J	.054 J	.4 U	.35 U	.39 U	.41 U
Benzo(k)Fluoranthene [2]	56	.41 U	.41 U	.36 U	420 U	420 U	.067 J	.4 U	.4 U	.4 UJ	.41 U	.37 U	380 U	390 U	29	.047 J	.4 U	.4 U	.35 U	.39 U	.41 U
bis(2-Ethylhexyl)Phthalate	NC	---	.41 U	.36 U	.19 J	.25 J	.55	.1 J	.16 J	.3 J	.06 J	.061 J	.58	.78	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Butyl Benzyl Phthalate	NC	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.35 U	.39 U	.41 U
Carbazole	NC	---	.41 U	---	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	14 J	.41 U	.4 U	.4 U	.35 UJ	.39 UJ	.41 UJ
Chrysene [2]	56	.41 U	.41 U	.36 U	420 U	420 U	.16 J	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	**71**	.17 J	.12 J	.4 U	.35 U	.39 U	.41 U
Dibenz[a,h]anthracene [2]	0.56	.41 U	.41 U	.36 U	420 U	420 U	.42 UJ	.4 U	.4 U	.4 UJ	.41 U	.37 U	380 U	390 U	**10 J**	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Dibenzofuran	350	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	26	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Diethyl Phthalate	NC	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	2.5 J	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
di-n-Butylphthalate	NC	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Fluoranthene	500	.41 U	.41 U	.36 U	420 U	420 U	.24 J	.4 U	.044 J	.4 U	.41 U	.37 U	380 U	390 U	150	.44	.31 J	.4 U	.35 U	.39 U	.41 U
Fluorene	500	.41 U	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	38	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Hexachlorobutadiene	NC	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	J	380 U	390 U	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Hexachloroethane	NC	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Indeno (1,2,3-Cd)Pyrene [2]	5.6	.41 U	.41 U	.36 U	420 U	420 U	.076 J	.4 U	.4 U	.4 UJ	.41 U	.37 U	380 U	390 U	**42**	.067 J	.04 J	.4 U	.35 U	.39 U	.41 U
Naphthalene	500	.41 U	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	100	.065 J	.082 J	.4 U	.35 U	.39 U	.41 U
Phenanthrene	500	.41 U	.41 U	.36 U	420 U	420 U	.11 J	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	160	.15 J	.37 J	.4 U	.35 U	.39 U	.41 U
Phenol	500	---	.41 U	.36 U	420 U	420 U	.42 U	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	22 U	.41 U	.4 U	.4 U	.35 U	.39 U	.41 U
Pyrene	500	.41 U	.41 U	.36 U	420 U	420 U	.29 J	.4 U	.4 U	.4 U	.41 U	.37 U	380 U	390 U	170	.61	.4	.4 U	.35 U	.39 U	.41 U
Total PAHs	NC	0	0	0	0	0	1.523	0	0.044	0	0	0	0	0	1232	2.401	1.886	0	0	0	0
Total CPAHs	NC	0	0	0	0	0	0.803	0	0	0	0	0	0	0	406	0.834	0.515	0	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

Location ID		SB-02	SB-02	SB-02	SB-02	SB-02	SB-03	SB-03	SB-03	SB-04	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05	SB-05	SB-06	SB-06	SB-07	SB-07
Sample Date		2/12/1998	2/12/1998	2/12/1998	2/12/1998	2/12/1998	5/18/1998	5/18/1998	10/5/1998	5/18/1998	5/18/1998	5/18/1998	10/5/1998	5/18/1998	5/18/1998	5/18/1998	10/5/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998
Depth Interval (ft)		6 - 8	14 - 16	22 - 24	30 - 32	34 - 36	4 - 6	8 - 10	0 - 0.5 *	4 - 6	8 - 10	8 - 10	0 - 0.5 *	4 - 6	8 - 10	8 - 10	0 - 0.5 *	4 - 6	8 - 10	4 - 6	8 - 10
Sample Type		N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N
Chemical Name	Action Level[1]																				
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	NC	42 UJ	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
2-Methylnaphthalene	NC	610 J	110 D	8.9 D	.12 J	.15 J	.41 U	.094 J	2 U	.051 J	.08 J	.077 J	1.8 U	.63 U	.1 R	.45 R	2 U	.41 U	.91 UJ	.65 U	.41 U
2-Methylphenol	500	42 UJ	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
4-Methylphenol	500	42 UJ	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
Acenaphthene	500	25 J	9.3 DJ	2.7	.43 U	.4 U	.41 U	.048 J	2 U	.41 U	.41 U	.41 U	1.8 U	.63 U	.42 R	.45 R	2 U	.41 U	.91 UJ	.65 U	.41 U
Acenaphthylene	500	410 J	83 D	5.6 D	.053 J	.095 J	.41 U	.21 J	2 U	.41 U	.068 J	.07 J	1.8 U	.63 U	.063 R	.45 R	2 U	.41 U	.91 UJ	.13 J	.41 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	500	140 J	37 DJ	5.9 D	.047 J	.054 J	.41 U	.16 J	2 U	.41 U	.41 U	.049 J	1.8 U	.068 J	.063 R	.13 R	2 U	.41 U	.1 J	.55 J	.41 U
Benz(a)Anthracene [2]	5.6	**100 J**	**25 DJ**	3.2	.43 U	.4 U	.41 U	.071 J	2.9	.41 U	.41 U	.41 U	2.3	.18 J	.42 R	.13 R	2.5	.41 U	.66 J	2 J	.41 U
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)Pyrene [2]	1	**92 J**	**20 DJ**	**2.6**	.43 U	.4 U	.41 U	.046 J	**3.5**	.41 U	.41 U	.41 U	**2.8**	.18 J	.42 R	.11 R	**2.9**	.41 U	.56 J	**1.7 J**	.41 U
Benzo(b)Fluoranthene [2]	5.6	**76 J**	**17 DJ**	2.1	.43 U	.4 U	.41 U	.41 U	5.5	.41 U	.41 U	.41 U	3.9	.24 J	.42 R	.13 R	3.8	.41 U	.69 J	2.3 J	.41 U
Benzo(g,h,i)Perylene	500	33 J	5.7 DJ	1.2	.43 U	.4 U	.41 U	.41 U	3.1	.41 U	.41 U	.41 U	2	.09 J	.42 R	.076 R	2 U	.41 U	.24 J	1.1 J	.41 U
Benzo(k)Fluoranthene [2]	56	25 J	6.3 DJ	.88	.43 U	.4 U	.41 U	.41 U	2 U	.41 U	.41 U	.41 U	1.8 U	.089 J	.42 R	.049 R	2 U	.41 U	.29 J	.75 J	.41 U
bis(2-Ethylhexyl)Phthalate	NC	42 UJ	---	---	---	---	---	.42	2 U	---	---	---	1.8 U	---	.15 R	.74 R	2 U	---	---	---	---
Butyl Benzyl Phthalate	NC	42 UJ	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	NC	5.4 J	---	---	---	---	---	.41 U	---	---	---	---	---	---	.42 R	.45 R	---	---	---	---	---
Chrysene [2]	56	**97 J**	21 DJ	2.9	.43 U	.4 U	.41 U	.045 J	3.4	.41 U	.41 U	.41 U	2.7	.18 J	.42 R	.12 R	2.8	.41 U	.66 J	1.8 J	.41 U
Dibenz[a,h]anthracene [2]	0.56	42 UJ	41 UD	.094 J	.43 U	.4 U	.41 U	.41 U	2 U	.41 U	.41 U	.41 U	1.8 U	.63 UJ	.42 R	.45 R	2 U	.41 U	.91 UJ	.65 UJ	.41 U
Dibenzofuran	350	23 J	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
Diethyl Phthalate	NC	42 UJ	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
di-n-Butylphthalate	NC	42 UJ	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
Fluoranthene	500	190 J	46 D	6 D	.051 J	.069 J	.41 U	.16 J	5	.41 U	.063 J	.14 J	3.5	.27 J	.15 R	.28 R	4.1	.41 U	.68 J	2.3	.41 U
Fluorene	500	160 J	37 DJ	4.1 D	.43 U	.052 U	.41 U	.11 J	2 U	.41 U	.41 U	.41 U	1.8 U	.63 U	.42 R	.45 R	2 U	.41 U	.91 UJ	.11 J	.41 U
Hexachlorobutadiene	NC	42 UJ	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
Hexachloroethane	NC	14 J	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
Indeno (1,2,3-Cd)Pyrene [2]	5.6	**26 J**	4.5 DJ	.87	.43 U	.4 U	.41 U	.41 U	2.8	.41 U	.41 U	.41 U	1.8 U	.085 J	.42 R	.067 R	2 U	.41 U	.23 J	.98 J	.41 U
Naphthalene	500	**2200 J**	270 D	11 D	.24 J	.37 J	.41 U	.28 J	2 U	.16 J	.2 J	.18 J	1.8 U	.63 U	.27 R	.12 R	2 U	.41 U	.91 UJ	.089 J	.41 U
Phenanthrene	500	**530 J**	110 D	13 D	.12 J	.17 J	.41 U	.34 J	2.5	.41 U	.11 J	.15 J	2	.12 J	.088 R	.14 R	2.1	.41 U	.29 J	1.3	.41 U
Phenol	500	42 UJ	---	---	---	---	---	.41 U	2 U	---	---	---	1.8 U	---	.42 R	.45 R	2 U	---	---	---	---
Pyrene	500	300 J	69	9.4 D	.074 J	.096 J	.41 U	.24 J	7.1	.41 U	.067 J	.15 J	4.3	.51 J	.25 R	.39 R	4.9	.41 U	1.7 J	4 J	.41 U
Total PAHs	NC	5014	870.8	80.444	0.705	1.004	0	1.804	35.8	0.211	0.588	0.816	23.5	2.012	0	0	23.1	0	6.1	19.109	0
Total CPAHs	NC	416	93.8	12.644	0	0	0	0.162	18.1	0	0	0	11.7	0.954	0	0	12	0	3.09	9.53	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

	Location ID	SB-08	SB-08	SB-08	SB-09	SB-09	SB-09	SB-10	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-12	SB-12	SB-12	SB-13	SB-13	SB-13
	Sample Date	5/18/1998	5/18/1998	10/5/1998	5/18/1998	5/18/1998	10/5/1998	5/18/1998	5/18/1998	10/5/1998	10/5/1998	5/18/1998	5/18/1998	10/5/1998	5/18/1998	5/18/1998	10/5/1998	5/18/1998	5/18/1998	10/5/1998
	Depth Interval (ft)	6 - 8	8 - 10	0 - 0.5 *	4 - 6	8 - 10	0 - 0.5 *	4 - 6	8 - 10	0 - 0.5 *	0 - 0.5 *	4 - 6	8 - 10	0 - 0.5 *	4 - 6	8 - 10	0 - 0.5 *	4 - 6	8 - 10	0 - 0.5 *
	Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																			
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	NC	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
2-Methylnaphthalene	NC	.41 U	.4 U	.37 U	.4 U	.042 J	3.8 U	.4 U	.42 U	.36 U	.37 U	.42 U	.42 U	40 U	.41 U	.4 U	1.8 U	.41 U	.4 U	.35 U
2-Methylphenol	500	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
4-Methylphenol	500	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
Acenaphthene	500	.41 U	.092 J	.37 U	.4 U	.4 U	3.8 U	.4 U	.062 J	.36 U	.37 U	.42 U	.42 U	40 U	.41 U	.4 U	1.8 U	.41 U	.4 U	.35 U
Acenaphthylene	500	.41 U	.11 J	.37 U	.4 U	.4 U	3.8 U	.064 J	.074 J	.36 U	.37 U	.42 U	.42 U	40 U	.41 U	.4 U	1.8 U	.41 U	.4 U	.35 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	500	.41 U	.4 U	.37 U	.4 U	.048 J	3.8 U	.064 J	.094 J	.36 U	.37 U	.42 U	.42 U	40 U	.41 U	.4 U	1.8 U	.41 U	.4 U	.35 U
Benz(a)Anthracene [2]	5.6	.41 U	.4 U	.68	.049 J	.4 U	**6.3**	.34 J	.42 U	.58	.81	.42 U	.42 U	**70**	.41 U	.4 U	3.6	.41 U	.4 U	.35 U
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)Pyrene [2]	1	.41 U	.4 U	.95	.4 U	.4 U	**8.7**	.33 J	.42 U	.68	.84	.42 U	.42 U	**72**	.41 U	.4 U	**4**	.41 U	.4 U	.35 U
Benzo(b)Fluoranthene [2]	5.6	.41 U	.4 U	1.5	.052 J	.4 U	**13**	.43 J	.42 U	1	1.3	.42 U	.42 U	**100**	.41 U	.4 U	**5.8**	.41 U	.4 U	.35 U
Benzo(g,h,i)Perylene	500	.41 U	.4 U	1.2	.4 U	.4 U	8.2	.21 J	.42 U	.54	.55	.42 U	.42 U	47	.41 U	.4 U	2.9	.41 U	.4 U	.35 U
Benzo(k)Fluoranthene [2]	56	.41 U	.4 U	.43	.4 U	.4 U	4.4	.18 J	.42 U	.36 U	.42	.42 U	.42 U	40	.41 U	.4 U	2.2	.41 U	.4 U	.35 U
bis(2-Ethylhexyl)Phthalate	NC	---	---	.37 U	---	.041 J	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
Butyl Benzyl Phthalate	NC	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	NC	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene [2]	56	.41 U	.4 U	.99	.044 J	.4 U	9.1	.3 J	.42 U	.75	.96	.42 U	.42 U	**86**	.41 U	.4 U	4.5	.41 U	.4 U	.35 U
Dibenz[a,h]anthracene [2]	0.56	.41 U	.4 U	.37 U	.4 U	.4 U	3.8 U	.4 UJ	.42 U	.36 U	.37 U	.42 U	.42 U	40 U	.41 U	.4 U	1.8 U	.41 U	.4 U	.35 U
Dibenzofuran	350	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
Diethyl Phthalate	NC	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
di-n-Butylphthalate	NC	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
Fluoranthene	500	.41 U	.15 J	1.1	.1 J	.076 J	10	.38 J	.2 J	.98	1.5	.42 U	.42 U	160	.41 U	.4 U	7.1	.41 U	.4 U	.35 U
Fluorene	500	.41 U	.042 J	.37 U	.4 U	.4 U	3.8 U	.4 U	.42 U	.36 U	.37 U	.42 U	.42 U	40 U	.41 U	.4 U	1.8 U	.41 U	.4 U	.35 U
Hexachlorobutadiene	NC	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
Hexachloroethane	NC	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
Indeno (1,2,3-Cd)Pyrene [2]	5.6	.41 U	.4 U	.96	.4 U	.4 U	**6.8**	.19 J	.42 U	.49	.5	.42 U	.42 U	**43**	.41 U	.4 U	2.5	.41 U	.4 U	.35 U
Naphthalene	500	.41 U	.11 J	.37 U	.4 U	.17 J	3.8 U	.12 J	.52	.36 U	.37 U	.42 U	.42 U	40 U	.41 U	.4 U	1.8 U	.41 U	.4 U	.35 U
Phenanthrene	500	.41 U	.054 J	.47	.046 J	.13 J	3.8 U	.17 J	.37 J	.47	.86	.42 U	.42 U	89	.41 U	.4 U	3	.41 U	.4 U	.35 U
Phenol	500	---	---	.37 U	---	.4 U	3.8 U	---	---	.36 U	.37 U	---	---	40 U	---	---	1.8 U	---	---	.35 U
Pyrene	500	.41 U	.19 J	1.6	.09 J	.11 J	13	1 J	.29 J	1.7	1.9	.42 U	.42 U	170	.41 U	.4 U	7.5	.41 U	.4 U	.35 U
Total PAHs	NC	0	0.748	9.88	0.381	0.576	79.5	3.778	1.61	7.19	9.64	0	0	877	0	0	43.1	0	0	0
Total CPAHs	NC	0	0	5.51	0.145	0	48.3	1.77	0	3.5	4.83	0	0	411	0	0	22.6	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

Location ID		SB-14	SB-14	SB-15	SB-15	SB-15	SB-15	SB-15	SB-16	SB-16	SB-16	SB-16	SB-16	SB-17	SB-17	SB-17	SB-17	SB-18	SB-18	SB-18	SB-18	SB-18
Sample Date		1/29/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001	1/31/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001
Depth Interval (ft)		18 - 20	26 - 28	4 - 6	12 - 14	16 - 18	26 - 28	28 - 30	6 - 8	10 - 12	18 - 20	28 - 30	38 - 40	14 - 16	22 - 24	32 - 34	40 - 42	8 - 10	12 - 14	22 - 24	30 - 32	38 - 40
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																					
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	NC	---	---	---	---	---	---	---	---	---	---	---	---	.16 J	---	---	---	---	---	---	---	---
2-Methylnaphthalene	NC	9.2	.14 J	4.2 J	550	1.7 J	.16 J	.047 J	.76 U	150	.063 J	.18 J	.1 J	1.5	720	.43	.076 J	.41 U	.76	.39 U	.41 U	.46 U
2-Methylphenol	500	---	---	---	---	---	---	---	---	---	---	---	---	.063 J	---	---	---	---	---	---	---	---
4-Methylphenol	500	---	---	---	---	---	---	---	---	---	---	---	---	.27 J	---	---	---	---	---	---	---	---
Acenaphthene	500	7.6	.13 J	2.3 J	120	1.3 J	.43 U	.44 U	.76 U	71	.4 U	.41 U	.42 U	.64	60 J	.046 J	.38 U	.1 J	.72	.39 U	.41 U	.46 U
Acenaphthylene	500	10	.21 J	9.5 J	300	5.6	.06 J	.44 U	.87	110	.11 J	.16 J	.046 J	2.7	400	.23 J	.041 J	.41 U	.063 J	.39 U	.41 U	.46 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	500	22	.34 J	23	390	12	.43 U	.44 U	.94	45	.072 J	.16 J	.42 U	3.1	270	.17 J	.38 U	.064 J	1.9	.39 U	.41 U	.46 U
Benz(a)Anthracene [2]	5.6	**15**	.23 J	**41**	**260**	**14**	.43 U	.44 U	3.2	**30**	.4 U	.41 U	.42 U	2.4	**170**	.12 J	.38 U	.076 J	.4 U	.39 U	.41 U	.46 U
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)Pyrene [2]	1	**12**	.17 J	**34**	**170**	**9.2**	.43 U	.44 U	**3.5**	**24**	.4 U	.41 U	.42 U	**1.6**	**91 J**	.06 J	.38 U	.049 J	.4 U	.39 U	.41 U	.46 U
Benzo(b)Fluoranthene [2]	5.6	**8.6**	.12 J	**40**	**190**	**9.6**	.43 U	.44 U	2.9	**17 J**	.4 U	.41 U	.42 U	2	**94 J**	.061 J	.38 U	.052 J	.4 U	.39 U	.41 U	.46 U
Benzo(g,h,i)Perylene	500	5.7	.076 J	13	66 J	2.9 J	.43 U	.44 U	1.4	10 J	.4 U	.41 U	.42 U	.27 J	25 J	.43 U	.38 U	.41 U	.4 U	.39 U	.41 U	.46 U
Benzo(k)Fluoranthene [2]	56	3.2 J	.052 J	15	**67 J**	3.7 J	.43 U	.44 U	1.1	6.5 J	.4 U	.41 U	.42 U	.74	35 J	.43 U	.38 U	.41 U	.4 U	.39 U	.41 U	.46 U
bis(2-Ethylhexyl)Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	---	.42 U	---	---	---	---	---	---	---	---
Butyl Benzyl Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	---	.17 J	---	---	---	---	---	---	---	---
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	NC	---	---	---	---	---	---	---	---	---	---	---	---	.78	---	---	---	---	---	---	---	---
Chrysene [2]	56	12	.19 J	35	**220**	11	.43 U	.44 U	2.8	27	.4 U	.41 U	.42 U	2.2	**130**	.091 J	.38 U	.059 J	.4 U	.39 U	.41 U	.46 U
Dibenz[a,h]anthracene [2]	0.56	**1.2 J**	.41 U	**4.1 J**	**22 J**	**1 J**	.43 U	.44 U	.34 J	**2.2 J**	.4 U	.41 U	.42 U	.14 J	**11 J**	.43 U	.38 U	.41 U	.4 U	.39 U	.41 U	.46 U
Dibenzofuran	350	---	---	---	---	---	---	---	---	---	---	---	---	2.3	---	---	---	---	---	---	---	---
Diethyl Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	---	.42 U	---	---	---	---	---	---	---	---
di-n-Butylphthalate	NC	---	---	---	---	---	---	---	---	---	---	---	---	.042 J	---	---	---	---	---	---	---	---
Fluoranthene	500	30	.46	77	**600**	28	.071 J	.053 J	3.4	63	.1 J	.19 J	.048 J	4.1	320	.23 J	.048 J	.17 J	.37 J	.39 U	.41 U	.46 U
Fluorene	500	7.5	.23 J	12	350	2.7 J	.43 U	.44 U	.18 J	44	.4 U	.096 J	.42 U	3.4	340	.21 J	.043 J	.059 J	1.1	.39 U	.41 U	.46 U
Hexachlorobutadiene	NC	---	---	---	---	---	---	---	---	---	---	---	---	.42 UJ	---	---	---	---	---	---	---	---
Hexachloroethane	NC	---	---	---	---	---	---	---	---	---	---	---	---	.42 U	---	---	---	---	---	---	---	---
Indeno (1,2,3-Cd)Pyrene [2]	5.6	4.5	.06 J	**14**	**71 J**	3.2 J	.43 U	.44 U	1.3	**8.2 J**	.4 U	.41 U	.42 U	.32 J	**28 J**	.43 U	.38 U	.41 U	.4 U	.39 U	.41 U	.46 U
Naphthalene	500	16	.31 J	5.6 J	**1400**	2.7 J	8.3	.16 J	.1 J	**650**	.24 J	.48	.66	1.6	**1400**	2	.17 J	.11 J	4.3	.068 J	.043 J	.46 U
Phenanthrene	500	56	1	70	**950**	31	.13 J	.09 J	.85	150	.31 J	.48	.11 J	12	**670**	.46	.097 J	.2 J	.91	.05 J	.41 U	.46 U
Phenol	500	---	---	---	---	---	---	---	---	---	---	---	---	.15 J	---	---	---	---	---	---	---	---
Pyrene	500	37	.59	65	430	22	.057 J	.44 U	6.2	79	.12 J	.25 J	.062 J	4.1	260	.18 J	.039 J	.13 J	.54	.39 U	.41 U	.46 U
Total PAHs	NC	257.5	4.308	464.7	6156	161.6	8.778	0.35	29.08	1486.9	1.015	1.996	1.026	42.81	5024	4.288	0.514	1.069	10.663	0.118	0.043	0
Total CPAHs	NC	56.5	0.822	183.1	1000	51.7	0	0	15.14	114.9	0	0	0	9.4	559	0.332	0	0.236	0	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

	Location ID	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20	SB-20	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22	SB-22	SB-22	SB-22	SB-22
	Sample Date	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/2/2001	2/2/2001	2/2/2001	2/2/2001	2/2/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/6/2001	2/6/2001
	Depth Interval (ft)	4 - 6	12 - 14	18 - 20	30 - 32	4 - 6	12 - 14	18 - 20	32 - 34	42 - 44	16 - 18	24 - 26	32 - 34	42 - 44		4 - 8	10 - 12	18 - 20	28 - 30	44 - 46
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																			
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
2-Methylnaphthalene	NC	270	1.5 J	.09 J	.46 U	8.8 J	.92	.4 U	.45 U	.37 U	.43	.41 U	.29 J	.37 U	.58	500	230	40 U	.15 J	.42 U
2-Methylphenol	500	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
4-Methylphenol	500	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
Acenaphthene	500	42	1.2 J	.099 J	.46 U	54	1.2	.4 U	.45 U	.37 U	.4 J	.41 U	.42 U	.37 U	.65	**570 a**	450	35 J	.11 J	.42 U
Acenaphthylene	500	180	2.4 J	.19 J	.46 U	130	.26 J	.066 J	.45 U	.37 U	.41 U	.066 J	.25 J	.37 U	.39 U	190 J	200 J	96	.17 J	.42 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	500	280	4	.29 J	.46 U	300	1.7	.15 J	.45 U	.37 U	1	.062 J	.42 U	.37 U	.19 J	**660**	330	200	.12 J	.42 U
Benz(a)Anthracene [2]	5.6	**300**	.45 J	.4 U	.46 U	**240**	.6	.4 U	.45 U	.37 U	.41 U	.41 U	.42 U	.37 U	.39 U	**450**	**230**	**150**	.091 J	.42 U
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)Pyrene [2]	1	**200**	3.7 U	.4 U	.46 U	**200**	.43	.4 U	.45 U	.37 U	.41 U	.41 U	.42 U	.37 U	.39 U	**350**	**160 J**	**98**	.063 J	.42 U
Benzo(b)Fluoranthene [2]	5.6	**230**	3.7 U	.4 U	.46 U	**220**	.47	.4 U	.45 U	.37 U	.41 U	.41 U	.42 U	.37 U	.39 U	**370**	**170 J**	**110**	.07 J	.42 U
Benzo(g,h,i)Perylene	500	74	3.7 U	.4 U	.46 U	82	.2 J	.4 U	.45 U	.37 U	.41 U	.41 U	.42 U	.37 U	.39 U	200 J	78 J	33 J	.41 U	.42 U
Benzo(k)Fluoranthene [2]	56	**81**	3.7 U	.4 U	.46 U	**78**	.18 J	.4 U	.45 U	.37 U	.41 U	.41 U	.42 U	.37 U	.39 U	**130 J**	**63 J**	35 J	.41 U	.42 U
bis(2-Ethylhexyl)Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
Butyl Benzyl Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	.11 J	---	---	---	---	---
Chrysene [2]	56	**240**	3.7 U	.4 U	.46 U	**200**	.47	.4 U	.45 U	.37 U	.41 U	.41 U	.42 U	.37 U	.39 U	**360**	**180 J**	**120**	.081 J	.42 U
Dibenz[a,h]anthracene [2]	0.56	**25 J**	3.7 U	.4 U	.46 U	**23 J**	.047 J	.4 U	.45 U	.37 U	.41 U	.41 U	.42 U	.37 U	.39 U	**40 J**	220 U	**11 J**	.41 U	.42 U
Dibenzofuran	350	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
Diethyl Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
di-n-Butylphthalate	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
Fluoranthene	500	**650**	2.8 J	.14 J	.46 U	**590**	2	.11 J	.45 U	.37 U	.19 J	.081 J	.42 U	.37 U	.089 J	**1300**	**640**	330	.25 J	.42 U
Fluorene	500	210	7.5	.082 J	.46 U	240	1.6	.041 J	.45 U	.37 U	.5	.41 U	.42 U	.37 U	.24 J	480	320	55	.11 J	.42 U
Hexachlorobutadiene	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 UJ	---	---	---	---	---
Hexachloroethane	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
Indeno (1,2,3-Cd)Pyrene [2]	5.6	**83**	3.7 U	.4 U	.46 U	**90**	.2 J	.4 U	.45 U	.37 U	.41 U	.41 U	.42 U	.37 U	.39 U	**190 J**	**77 J**	**37 J**	.41 U	.42 U
Naphthalene	500	**680**	19	.68	.047 J	36 J	4.7	.1 J	.45 U	.37 U	2.2	.11 J	9.1	1.6	3.4	**4500**	**2500**	46	2.2	.42 U
Phenanthrene	500	**700**	7.3	.44	.46 U	**640**	3	.17 J	.45 U	.37 U	.76	.15 J	.42 U	.37 U	.44	**1900**	**1000**	340	.42	.42 U
Phenol	500	---	---	---	---	---	---	---	---	---	---	---	---	---	.39 U	---	---	---	---	---
Pyrene	500	480	2.1 J	.095 J	.46 U	430	1.5	.097 J	.45 U	.37 U	.2 J	.075 J	.42 U	.37 U	.069 J	**940**	440	230	.18 J	.42 U
Total PAHs	NC	4725	48.25	2.106	0.047	3561.8	19.477	0.734	0	0	5.68	0.544	9.64	1.6	5.658	13130	7068	1926	4.015	0
Total CPAHs	NC	1159	0.45	0	0	1051	2.397	0	0	0	0	0	0	0	0	1890	880	561	0.305	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

Location ID		SB-23	SB-23	SB-23	SB-23	SB-23	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26	SB-26	SB-26	SB-26	SB-26
Sample Date		2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/8/2001	2/8/2001	2/8/2001	2/8/2001	2/8/2001	2/8/2001
Depth Interval (ft)		6 - 8	16 - 18	24 - 26	30 - 32	42 - 44	6 - 8	16 - 18	28 - 30	36 - 38	42 - 44	6 - 8	20 - 22	12 - 14	36 - 38	36 - 38	42 - 44	4 - 6	12 - 14	12 - 14	22 - 24	32 - 34	44 - 46
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N
Chemical Name	Action Level[1]																						
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	NC	---	---	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
2-Methylnaphthalene	NC	1.1 J	.42 U	.059 J	.42 U	.41 U	1 J	.4 U	.4 U	.4 U	.39 U	.062 J	.39 U	.25 J	.4 U	.4 U	.4 U	1.2 J	.4 U	.042 J	.4 U	.4 U	.39 U
2-Methylphenol	500	---	---	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
4-Methylphenol	500	---	---	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
Acenaphthene	500	7.2	.048 J	.96	.42 U	.41 U	2 U	.4 U	.4 U	.4 U	.39 U	.12 J	.39 U	.082 J	.4 U	.4 U	.4 U	.42 J	.28 J	.61	.4 U	.4 U	.39 U
Acenaphthylene	500	2.3 J	.42 U	.062 J	.42 U	.41 U	1.3 J	.4 U	.4 U	.4 U	.39 U	.056 J	.39 U	.15 J	.4 U	.4 U	.4 U	1.8 J	.14 J	.17 J	.4 U	.047 J	.39 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	500	7.4	.057 J	.26 J	.42 U	.41 U	7.5	.068 J	.4 U	.4 U	.39 U	.41	.39 U	.17 J	.4 U	.4 U	.4 U	2.5	.35 J	.57	.4 U	.4 U	.051 J
Benz(a)Anthracene [2]	5.6	**17**	.42 U	.4 J	.42 U	.41 U	**28**	.28 J	.4 U	.4 U	.39 U	1	.39 U	.076 J	.4 U	.4 U	.4 U	**12**	.64	.6	.4 U	.4 U	.057 J
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)Pyrene [2]	1	**19 J**	.42 U	.37 J	.42 U	.41 U	**10**	.11 J	.4 U	.4 U	.39 U	.89	.39 U	.057 J	.4 U	.4 U	.4 U	**14**	.52	.48	.4 U	.4 U	.39 U
Benzo(b)Fluoranthene [2]	5.6	**21 J**	.42 U	.38 J	.42 U	.41 U	**27**	.3 J	.4 U	.4 U	.39 U	1.2	.39 U	.06 J	.4 U	.4 U	.4 U	**17**	.65	.59	.4 U	.4 U	.041 J
Benzo(g,h,i)Perylene	500	8.6 J	.42 U	.2 J	.42 U	.41 U	4.2	.08 J	.4 U	.4 U	.39 U	.32 J	.39 U	.4 U	.4 U	.4 U	.4 U	6.2	.15 J	.15 J	.4 U	.4 U	.39 U
Benzo(k)Fluoranthene [2]	56	7.7 J	.42 U	.16 J	.42 U	.41 U	8.1	.11 J	.4 U	.4 U	.39 U	.34 J	.39 U	.4 U	.4 U	.4 U	.4 U	5.6	.22 J	.25 J	.4 U	.4 U	.39 U
bis(2-Ethylhexyl)Phthalate	NC	---	---	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
Butyl Benzyl Phthalate	NC	---	---	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	NC	---	---	---	---	---	---	.054 J	---	---	---	---	---	---	---	---	---	---	.18 J	.22 J	---	---	---
Chrysene [2]	56	15	.42 U	.35 J	.42 U	.41 U	28	.3 J	.4 U	.4 U	.39 U	.91	.39 U	.07 J	.4 U	.4 U	.4 U	11	.53	.51	.4 U	.4 U	.39 U
Dibenz[a,h]anthracene [2]	0.56	**2.2 J**	.42 U	.049 J	.42 U	.41 U	**2.5**	.4 U	.4 U	.4 U	.39 U	.11 J	.39 U	.4 U	.4 U	.4 U	.4 U	**1.7 J**	.052 J	.4 U	.4 U	.4 U	.39 U
Dibenzofuran	350	---	---	---	---	---	---	.11 J	---	---	---	---	---	---	---	---	---	---	.19 J	.38 J	---	---	---
Diethyl Phthalate	NC	---	---	---	---	---	---	2.4	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
di-n-Butylphthalate	NC	---	---	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
Fluoranthene	500	23	.096 J	.66	.42 U	.41 U	79	.71	.4 U	.4 U	.39 U	1.8	.39 U	.28 J	.4 U	.4 U	.4 U	13	1	1.4	.4 U	.059 J	.12 J
Fluorene	500	4.3	.42 U	.22 J	.42 U	.41 U	2 U	.4 U	.4 U	.4 U	.39 U	.16 J	.39 U	.12 J	.4 U	.4 U	.4 U	.89 J	.3 J	.64	.048 J	.4 U	.044 J
Hexachlorobutadiene	NC	---	---	---	---	---	---	.4 UJ	---	---	---	---	---	---	---	---	---	---	.4 UJ	.4 UJ	---	---	---
Hexachloroethane	NC	---	---	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
Indeno (1,2,3-Cd)Pyrene [2]	5.6	**8.6 J**	.42 U	.19 J	.42 U	.41 U	**5.7**	.088 J	.4 U	.4 U	.39 U	.36 J	.39 U	.4 U	.4 U	.4 U	.4 U	**6.5**	.16 J	.15 J	.4 U	.4 U	.39 U
Naphthalene	500	2.7 J	.065 J	.43	.42 U	.41 U	1.5 J	.4 U	.4 U	.4 U	.39 U	.2 J	.04 J	.84	.062 J	.4 U	.24 J	4.6	.15 J	.19 J	.4 U	2.3	.055 J
Phenanthrene	500	18	.22 J	1.2	.043 J	.41 U	92	.95	.4 U	.4 U	.39 U	1.4	.095 J	.53	.4 U	.4 U	.4 U	5.2	.67	1.6	.079 J	.087 J	.15 J
Phenol	500	---	---	---	---	---	---	.4 U	---	---	---	---	---	---	---	---	---	---	.4 U	.4 U	---	---	---
Pyrene	500	28	.098 J	.59	.42 U	.41 U	53	.51	.4 U	.4 U	.39 U	1.6	.39 U	.31 J	.4 U	.4 U	.4 U	16	.9	1.2	.4 U	.044 J	.085 J
Total PAHs	NC	193.1	0.584	6.54	0.043	0	348.8	3.506	0	0	0	10.938	0.135	2.995	0.062	0	0.24	119.61	6.712	9.152	0.127	2.537	0.603
Total CPAHs	NC	90.5	0	1.899	0	0	109.3	1.188	0	0	0	4.81	0	0.263	0	0	0	67.8	2.772	2.58	0	0	0.098

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

Location ID		SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28	SB-28	SB-28	SB-29	SB-29	SB-29	SB-29	SB-29	SB-29	SB-30	SB-30	SB-30	SB-30	SB-30
Sample Date		2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001
Depth Interval (ft)		4 - 6	12 - 14	22 - 24	30 - 32	6 - 8	12 - 14	12 - 14	22 - 24	28 - 30	1.5 - 3	10 - 12	18 - 20	26 - 28	26 - 28	32 - 34	6 - 10	18 - 20	18 - 20	28 - 30	36 - 38
Sample Type		N	N	N	N	N	FD	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N
Chemical Name	Action Level[1]																				
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	NC	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	NC	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.083 J	.42 U	.38 U	.41 U	.4 U	.42 U	.1 J	.4 U	.4 U	.4 U	.37 U
2-Methylphenol	500	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	500	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
Acenaphthene	500	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.48 U	.42 U	.38 U	.41 U	.4 U	.42 U	.2 J	.4 U	.4 U	.4 U	.37 U
Acenaphthylene	500	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.17 J	.42 U	.38 U	.41 U	.4 U	.42 U	.15 J	.4 U	.4 U	.4 U	.37 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	500	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.19 J	.42 U	.38 U	.41 U	.4 U	.42 U	.69	.4 U	.4 U	.4 U	.37 U
Benz(a)Anthracene [2]	5.6	.062 J	.42 U	.39 U	.43 U	.41 U	.074 J	.42 U	.39 U	.4 U	.62	.42 U	.38 U	.41 U	.4 U	.42 U	3.6	.4 U	.4 U	.4 U	.37 U
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)Pyrene [2]	1	.05 J	.42 U	.39 U	.43 U	.41 U	.058 J	.42 U	.39 U	.4 U	.61	.42 U	.38 U	.41 U	.4 U	.42 U	**3.8 J**	.4 U	.4 U	.4 U	.37 U
Benzo(b)Fluoranthene [2]	5.6	.062 J	.42 U	.39 U	.43 U	.41 U	.069 J	.42 U	.39 U	.4 U	.94	.42 U	.38 U	.41 U	.4 U	.42 U	4.6 J	.4 U	.4 U	.4 U	.37 U
Benzo(g,h,i)Perylene	500	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.24 J	.42 U	.38 U	.41 U	.4 U	.42 U	1.1 J	.4 U	.4 U	.4 U	.37 U
Benzo(k)Fluoranthene [2]	56	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.33 J	.42 U	.38 U	.41 U	.4 U	.42 U	1.4 J	.4 U	.4 U	.4 U	.37 U
bis(2-Ethylhexyl)Phthalate	NC	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
Butyl Benzyl Phthalate	NC	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	NC	---	---	---	---	---	---	---	---	---	.065 J	---	---	---	---	---	---	---	---	---	---
Chrysene [2]	56	.057 J	.42 U	.39 U	.43 U	.41 U	.063 J	.42 U	.39 U	.4 U	.57	.42 U	.38 U	.41 U	.4 U	.42 U	2.9	.4 U	.4 U	.4 U	.37 U
Dibenz[a,h]anthracene [2]	0.56	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.076 J	.42 U	.38 U	.41 U	.4 U	.42 U	.48 J	.4 U	.4 U	.4 U	.37 U
Dibenzofuran	350	---	---	---	---	---	---	---	---	---	.083 J	---	---	---	---	---	---	---	---	---	---
Diethyl Phthalate	NC	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
di-n-Butylphthalate	NC	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
Fluoranthene	500	.094 J	.42 U	.39 U	.43 U	.41 U	.092 J	.048 J	.39 U	.4 U	1	.42 U	.38 U	.41 U	.4 U	.42 U	2.7	.4 U	.4 U	.4 U	.37 U
Fluorene	500	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.091 J	.42 U	.38 U	.41 U	.4 U	.42 U	.18 J	.4 U	.4 U	.4 U	.37 U
Hexachlorobutadiene	NC	---	---	---	---	---	---	---	---	---	.48 UJ	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	NC	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
Indeno (1,2,3-Cd)Pyrene [2]	5.6	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.26 J	.42 U	.38 U	.41 U	.4 U	.42 U	1.2 J	.4 U	.4 U	.4 U	.37 U
Naphthalene	500	.39 U	.42 U	.39 U	.43 U	.41 U	.41 U	.42 U	.39 U	.4 U	.13 J	.42 U	.38 U	.41 U	.4 U	.42 U	.14 J	.4 U	.4 U	.4 U	.37 U
Phenanthrene	500	.058 J	.42 U	.39 U	.43 U	.41 U	.045 J	.42 U	.39 U	.4 U	.7	.42 U	.38 U	.41 U	.4 U	.42 U	1.5	.4 U	.4 U	.4 U	.37 U
Phenol	500	---	---	---	---	---	---	---	---	---	.48 U	---	---	---	---	---	---	---	---	---	---
Pyrene	500	.084 J	.42 U	.39 U	.43 U	.41 U	.079 J	.42 U	.39 U	.4 U	.97	.42 U	.38 U	.41 U	.4 U	.42 U	3.3	.4 U	.4 U	.4 U	.37 U
Total PAHs	NC	0.467	0	0	0	0	0.48	0.048	0	0	6.98	0	0	0	0	0	28.04	0	0	0	0
Total CPAHs	NC	0.231	0	0	0	0	0.264	0	0	0	3.406	0	0	0	0	0	17.98	0	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

	Location ID	SB-31	SB-31	SB-31	SB-31	SB-32	SB-32	SB-32	SB-32	SB-32	SB-32	SB-33	SB-33	SB-33	SB-33	SB-33	SB-34	SB-34	SB-34
	Sample Date	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	5/27/2005	5/27/2005	5/27/2005
	Depth Interval (ft)	6 - 8	16 - 18	24 - 26	32 - 34	4 - 8	12 - 14	12 - 14	22 - 24	28 - 30	34 - 36	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	6 - 8	12 - 14	22 - 24
	Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																		
1,1`-Biphenyl	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.41 U	.4 U	.42 U
2,4-Dimethylphenol	NC	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
2-Methylnaphthalene	NC	.41 U	.42 U	.42 U	.39 U	.27 J	.41 U	.4 U	.4 U	.43 U	.39 U	.059 J	15	.4 U	.42 U	.4 U	.41 U	.4 U	.42 U
2-Methylphenol	500	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
4-Methylphenol	500	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
Acenaphthene	500	.41 U	.42 U	.42 U	.39 U	.53 J	.41 U	.4 U	.4 U	.43 U	.39 U	.39 U	7.8 U	.4 U	.42 U	.4 U	.41 U	.4 U	.42 U
Acenaphthylene	500	.41 U	.42 U	.42 U	.39 U	.34 J	.41 U	.4 U	.4 U	.43 U	.39 U	2.8	7.1 J	.075 J	.42 U	.4 U	.41 U	.4 U	.42 U
Acetophenone	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.41 U	.4 U	.42 U
Anthracene	500	.41 U	.42 U	.42 U	.39 U	3.3	.41 U	.4 U	.4 U	.43 U	.39 U	.44	3.4 J	.3 J	.42 U	.4 U	.41 U	.4 U	.42 U
Benz(a)Anthracene [2]	5.6	.41 U	.42 U	.42 U	.39 U	**14**	.41 U	.4 U	.4 U	.43 U	.39 U	**8.3**	**15**	.28 J	.42 U	.4 U	.41 U	.4 U	.42 U
Benzaldehyde	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.41 U	.4 U	.42 U
Benzo(a)Pyrene [2]	1	.41 U	.42 U	.42 U	.39 U	**13**	.41 U	.4 U	.4 U	.43 U	.39 U	**15**	**38**	.22 J	.42 U	.4 U	.41 U	.4 U	.42 U
Benzo(b)Fluoranthene [2]	5.6	.41 U	.42 U	.42 U	.39 U	**15**	.41 U	.4 U	.4 U	.43 U	.39 U	**13**	**31**	.15 J	.42 U	.4 U	.41 U	.4 U	.42 U
Benzo(g,h,i)Perylene	500	.41 U	.42 U	.42 U	.39 U	3.6	.41 U	.4 U	.4 U	.43 U	.39 U	6.5	12	.11 J	.42 U	.4 U	.41 U	.4 U	.42 U
Benzo(k)Fluoranthene [2]	56	.41 U	.42 U	.42 U	.39 U	4.7	.41 U	.4 U	.4 U	.43 U	.39 U	3.3	10	.06 J	.42 U	.4 U	.41 U	.4 U	.42 U
bis(2-Ethylhexyl)Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
Butyl Benzyl Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
Caprolactam	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.41 U	.4 U	.42 U
Carbazole	NC	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 UJ	.4 UJ	.42 UJ
Chrysene [2]	56	.41 U	.42 U	.42 U	.39 U	12	.41 U	.4 U	.4 U	.43 U	.39 U	7.9	19	.22 J	.42 U	.4 U	.41 U	.4 U	.42 U
Dibenz[a,h]anthracene [2]	0.56	.41 U	.42 U	.42 U	.39 U	**1.5 J**	.41 U	.4 U	.4 U	.43 U	.39 U	**.57 J**	**3.3 J**	.4 U	.42 U	.4 U	.41 U	.4 U	.42 U
Dibenzofuran	350	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
Diethyl Phthalate	NC	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
di-n-Butylphthalate	NC	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
Fluoranthene	500	.41 U	.42 U	.42 U	.39 U	14	.41 U	.4 U	.4 U	.43 U	.39 U	4.3	9.9	.53	.42 U	.4 U	.41 U	.4 U	.42 U
Fluorene	500	.41 U	.42 U	.42 U	.39 U	.86 J	.41 U	.4 U	.4 U	.43 U	.39 U	.17 J	7.8 U	.17 J	.42 U	.4 U	.41 U	.4 U	.42 U
Hexachlorobutadiene	NC	---	---	---	---	---	---	---	---	---	---	---	7.8 UJ	---	---	---	.41 U	.4 U	.42 U
Hexachloroethane	NC	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
Indeno (1,2,3-Cd)Pyrene [2]	5.6	.41 U	.42 U	.42 U	.39 U	4.3	.41 U	.4 U	.4 U	.43 U	.39 U	5.5	**11**	.086 J	.42 U	.4 U	.41 U	.4 U	.42 U
Naphthalene	500	.41 U	.42 U	.42 U	.39 U	.49 J	.41 U	.4 U	.4 U	.43 U	.39 U	.095 J	7.8 U	.4 U	.42 U	.4 U	.41 U	.4 U	.42 U
Phenanthrene	500	.41 U	.42 U	.42 U	.39 U	8.1	.41 U	.4 U	.4 U	.43 U	.39 U	.46	7.8 U	1.2	.063 J	.4 U	.41 U	.4 U	.42 U
Phenol	500	---	---	---	---	---	---	---	---	---	---	---	7.8 U	---	---	---	.41 U	.4 U	.42 U
Pyrene	500	.41 U	.42 U	.42 U	.39 U	13	.41 U	.4 U	.4 U	.43 U	.39 U	16	28	.68	.42 U	.4 U	.41 U	.4 U	.42 U
Total PAHs	NC	0	0	0	0	108.99	0	0	0	0	0	84.394	202.7	4.081	0.063	0	0	0	0
Total CPAHs	NC	0	0	0	0	64.5	0	0	0	0	0	53.57	127.3	1.016	0	0	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

	Location ID	SB-35	SB-35	SB-35	SB-35	SB-35	SB-36	SB-36	SB-36	SB-36	SB-36	SB-37	SB-37	SB-38	SB-38	SB-38	SB-38
	Sample Date	5/26/2005	5/26/2005	5/26/2005	5/26/2005	5/26/2005	6/6/2005	6/6/2005	6/6/2005	6/6/2005	6/6/2005	6/1/2005	6/1/2005	5/31/2005	5/31/2005	5/31/2005	5/31/2005
	Depth Interval (ft)	2 - 4	6 - 8	10 - 12	18 - 20	28 - 30	4 - 6	14 - 16	16 - 18	20 - 22	30 - 32	6 - 8	24 - 26	4 - 6	6 - 8	26 - 28	26 - 28
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical Name	Action Level[1]																
1,1`-Biphenyl	NC	21 U	.4 U	2.1 U	.4 U	.42 U	250 J	.47 J	.67 J	.96 J	.41 U	.42 U	.41 U	2 J	.4 U	.42 U	.43 U
2,4-Dimethylphenol	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
2-Methylnaphthalene	NC	21 U	.4 U	2.1 U	.4 U	.42 U	1000	.71 J	1.1 J	1.7 J	.15 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
2-Methylphenol	500	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
4-Methylphenol	500	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Acenaphthene	500	21 U	.4 U	2.1 U	.4 U	.42 U	**1100 a**	1.3 J	2.1	3.2	.18 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Acenaphthylene	500	21 U	.4 U	2.1 U	.4 U	.42 U	260 J	1.4 J	1.9	2.4	.098 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Acetophenone	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Anthracene	500	21 U	.4 U	2.1 U	.4 U	.42 U	**820**	1.4 J	1.9	2.6	.12 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Benz(a)Anthracene [2]	5.6	21 U	.4 U	2.1 U	.4 U	.42 U	**160 J**	.48 J	1.6 J	2.2	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Benzaldehyde	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Benzo(a)Pyrene [2]	1	21 U	.4 U	2.1 U	.4 U	.42 U	**290 J**	1 J	**1.3 J**	**1.8 J**	.081 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Benzo(b)Fluoranthene [2]	5.6	21 U	.4 U	2.1 U	.4 U	.42 U	**240 J**	.8 J	1.1 J	1.5 J	.069 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Benzo(g,h,i)Perylene	500	21 U	.4 U	2.1 U	.4 U	.42 U	110 J	.36 J	.45 J	.67 J	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Benzo(k)Fluoranthene [2]	56	21 U	.4 U	2.1 U	.4 U	.42 U	**97 J**	.34 J	.3 J	.53 J	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
bis(2-Ethylhexyl)Phthalate	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Butyl Benzyl Phthalate	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Caprolactam	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Carbazole	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 UJ	.41 UJ	8.4 U	.4 UJ	.42 UJ	.43 UJ
Chrysene [2]	56	21 U	.4 U	2.1 U	.4 U	.42 U	**320**	.97 J	1.2 J	1.6 J	.079 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Dibenz[a,h]anthracene [2]	0.56	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Dibenzofuran	350	21 U	.4 U	2.1 U	.4 U	.42 U	59 J	1.6 U	.19 J	.26 J	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Diethyl Phthalate	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
di-n-Butylphthalate	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Fluoranthene	500	21 U	.4 U	2.1 U	.4 U	.42 U	**900**	3	4	5.5	.24 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Fluorene	500	21 U	.4 U	2.1 U	.4 U	.42 U	**550**	1.7	2.2	3	.15 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Hexachlorobutadiene	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Hexachloroethane	NC	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Indeno (1,2,3-Cd)Pyrene [2]	5.6	21 U	.4 U	2.1 U	.4 U	.42 U	**81 J**	.27 J	.35 J	.52 J	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Naphthalene	500	21 U	.4 U	2.1 U	.4 U	.42 U	**3800**	.88 J	1 J	1.8 J	.37 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Phenanthrene	500	21 U	.4 U	2.1 U	.4 U	.42 U	**2300**	7.9	11	15	.65	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Phenol	500	21 U	.4 U	2.1 U	.4 U	.42 U	290 U	1.6 U	1.6 U	2 U	.41 U	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Pyrene	500	21 U	.4 U	2.1 U	.4 U	.42 U	**1300**	4.4	5.7	7.8	.32 J	.42 U	.41 U	8.4 U	.4 U	.42 U	.43 U
Total PAHs	NC	0	0	0	0	0	1000	17	28.8	41.7	0.65	0	0	0	0	0	0
Total CPAHs	NC	0	0	0	0	0	0	0	0	2.2	0	0	0	0	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

	Location ID	SB-39	SB-39	SB-39	SB-40	SB-40	SB-40	SB-40	SB-40	SB-41	SB-41	SB-41	SB-41	SB-42	SB-42
	Sample Date	5/20/2005	5/20/2005	5/20/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/9/2005	6/9/2005
	Depth Interval (ft)	6 - 8	10 - 12	44 - 46	8 - 10	20 - 22	32 - 34	34 - 36	36 - 38	8 - 10	12 - 14	26 - 28	28 - 30	8 - 10	16 - 18
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]														
1,1`-Biphenyl	NC	1.4 J	.38 U	.39 U	.38 U	.4 U	7.9	.43 J	.39 U	3.1 J	2 U	2 U	2 U	.39 U	.4 U
2,4-Dimethylphenol	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
2-Methylnaphthalene	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
2-Methylphenol	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
4-Methylphenol	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Acenaphthene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Acenaphthylene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Acetophenone	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Anthracene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Benz(a)Anthracene [2]	5.6	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Benzaldehyde	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Benzo(a)Pyrene [2]	1	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Benzo(b)Fluoranthene [2]	5.6	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Benzo(g,h,i)Perylene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Benzo(k)Fluoranthene [2]	56	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
bis(2-Ethylhexyl)Phthalate	NC	3.5 U	.38 U	.43 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.42 U
Butyl Benzyl Phthalate	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Caprolactam	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Carbazole	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Chrysene [2]	56	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Dibenz[a,h]anthracene [2]	0.56	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Dibenzofuran	350	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Diethyl Phthalate	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
di-n-Butylphthalate	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Fluoranthene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Fluorene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Hexachlorobutadiene	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Hexachloroethane	NC	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Indeno (1,2,3-Cd)Pyrene [2]	5.6	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Naphthalene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Phenanthrene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Phenol	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Pyrene	500	3.5 U	.38 U	.39 U	.38 U	.4 U	7.8 U	.79 U	.39 U	22 U	2 U	2 U	2 U	.39 U	.4 U
Total PAHs	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total CPAHs	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

	Location ID	SB-43	SB-43	SB-43	SB-43	SB-43	SB-44	SB-44	SB-44	SB-45	SB-45	SB-45	SB-45	SB-46	SB-46	SB-46
	Sample Date	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	5/18/2005	5/18/2005	5/18/2005	5/18/2005	5/17/2005	5/17/2005	5/17/2005
	Depth Interval (ft)	10 - 12	8 - 10	8 - 10	14 - 16	16 - 18	6 - 8	12 - 14	20 - 22	8 - 10	10 - 12	14 - 16	32 - 34	6 - 8	12 - 14	36 - 38
	Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]															
1,1`-Biphenyl	NC	.11 J	.32 J	.56	.052 J	.4 U	210 J	.41 U	.089 J	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
2,4-Dimethylphenol	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
2-Methylnaphthalene	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
2-Methylphenol	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
4-Methylphenol	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Acenaphthene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Acenaphthylene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Acetophenone	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Anthracene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Benz(a)Anthracene [2]	5.6	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Benzaldehyde	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.13 J	.083 J	.4 U	.4 U	.48 U	.41 U	.4 U
Benzo(a)Pyrene [2]	1	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Benzo(b)Fluoranthene [2]	5.6	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Benzo(g,h,i)Perylene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Benzo(k)Fluoranthene [2]	56	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
bis(2-Ethylhexyl)Phthalate	NC	.4 U	.43 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.52 U	.4 U	.4 U	.48 U	.41 U	1 U
Butyl Benzyl Phthalate	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Caprolactam	NC	.4 U	.4 U	.14 J	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Carbazole	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Chrysene [2]	56	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Dibenz[a,h]anthracene [2]	0.56	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Dibenzofuran	350	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Diethyl Phthalate	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
di-n-Butylphthalate	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Fluoranthene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Fluorene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Hexachlorobutadiene	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Hexachloroethane	NC	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Indeno (1,2,3-Cd)Pyrene [2]	5.6	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Naphthalene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Phenanthrene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Phenol	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Pyrene	500	.4 U	.4 U	.39 U	.39 U	.4 U	1400 U	.41 U	.41 U	.42 U	.4 U	.4 U	.4 U	.48 U	.41 U	.4 U
Total PAHs	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total CPAHs	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 5
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Semi Volatile Organic Compounds

Location ID		SB-47	SB-47	SB-47	SB-47	SB-48	SB-48	SB-48	SB-48	SB-49	SB-49	SB-49	SB-49	SB-49
Sample Date		6/2/2005	6/2/2005	6/2/2005	6/2/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	6/7/2005	6/7/2005	6/7/2005	6/7/2005	6/7/2005
Depth Interval (ft)		14 - 16	20 - 22	34 - 36	40 - 42	8 - 10	16 - 18	34 - 36	44 - 46	6 - 8	14 - 16	16 - 18	22 - 24	36 - 38
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]													
1,1`-Biphenyl	NC	.23 J	.39 U	.26 J	.4 U	.45 U	.46 U	.064 J	.41 U	5.5 U	.57 J	.044 J	.42 U	.19 J
2,4-Dimethylphenol	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
2-Methylnaphthalene	NC	.045 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	1.6 J	.73 J	.43 U	.42 U	.81 U
2-Methylphenol	500	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
4-Methylphenol	500	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Acenaphthene	500	1	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	33	3.6	.084 J	.079 J	.81 U
Acenaphthylene	500	.14 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	1.5 J	.56 J	.43 U	.048 J	.81 U
Acetophenone	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Anthracene	500	.8	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	12	1.8	.062 J	.098 J	.81 U
Benz(a)Anthracene [2]	5.6	.35 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	**8.8**	1.4 J	.092 J	.42 U	.81 U
Benzaldehyde	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Benzo(a)Pyrene [2]	1	.28 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	**5.7**	.99 J	.08 J	.057 J	.81 U
Benzo(b)Fluoranthene [2]	5.6	.34 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	**6.1**	.89 J	.082 J	.05 J	.81 U
Benzo(g,h,i)Perylene	500	.13 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	1.8 J	.28 J	.43 U	.42 U	.81 U
Benzo(k)Fluoranthene [2]	56	.1 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	2 J	.22 J	.43 U	.42 U	.81 U
bis(2-Ethylhexyl)Phthalate	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.54 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Butyl Benzyl Phthalate	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Caprolactam	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Carbazole	NC	.19 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.061 J	.42 U	.81 U
Chrysene [2]	56	.3 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	8.6	1.1 J	.07 J	.07 J	.81 U
Dibenz[a,h]anthracene [2]	0.56	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Dibenzofuran	350	.24 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	3.4 J	.22 J	.065 J	.42 U	.81 U
Diethyl Phthalate	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
di-n-Butylphthalate	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Fluoranthene	500	1.4	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	23	3.6	.16 J	.21 J	.81 U
Fluorene	500	.79	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	15	2.1	.066 J	.082 J	.81 U
Hexachlorobutadiene	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Hexachloroethane	NC	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Indeno (1,2,3-Cd)Pyrene [2]	5.6	.13 J	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	1.5 J	.24 J	.43 U	.42 U	.81 U
Naphthalene	500	1.6	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	4.6 J	.55 J	.045 J	.064 J	.81 U
Phenanthrene	500	2.3	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	9.8	10	.29 J	.54	.81 U
Phenol	500	.41 U	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	5.5 U	1.6 U	.43 U	.42 U	.81 U
Pyrene	500	1.2	.39 U	.39 U	.4 U	.45 U	.46 U	.39 U	.41 U	36	5.4	.22 J	.28 J	.81 U
Total PAHs	NC	9.09	0	0	0	0	0	0	0	137.4	26.5	0	0.54	0
Total CPAHs	NC	0	0	0	0	0	0	0	0	8.6	0	0	0	0

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
D - compounds at secondary dilution factor.
R - result was rejected
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
[2] CPAH
* covered during IRM
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	MW-01	MW-02	MW-04	MW-05	MW-06D	MW-06D	MW-07D	MW-07D	MW-07D	MW-08D	MW-08D	MW-09	MW-09
	Sample Date	2/11/1998	2/11/1998	2/13/1998	2/13/1998	5/19/1998	5/19/1998	5/20/1998	5/20/1998	5/20/1998	5/21/1998	5/21/1998	10/14/1999	10/14/1999
	Depth Interval (ft)	18 - 20	8 - 10	6 - 8	18 - 20	4 - 6	8 - 10	8 - 10	8 - 10	4 - 6	8 - 10	4 - 6	10 - 12	18 - 20
	Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical Name	Action Level[1]													
Aluminum	NC	2700	4230	3230	3310	---	---	---	---	---	3430	---	4460	3580
Arsenic	16	1.9	1.9	1.3	2.1	---	---	---	---	---	2.7	---	2.3 J	1.8 J
Barium	400	12.3	15.4	12.2	16.5	---	---	---	---	---	13.2 B	---	21.1 J	14.7 J
Beryllium	590	.15	.18	.21	.19	---	---	---	---	---	.18 B	---	.31 J	.21 J
Cadmium	9.3	.06 U	.06 U	.06 U	.06 U	---	---	---	---	---	.12 U	---	.08 U	.08 U
Calcium Metal	NC	12400	810	1060	20700	---	---	---	---	---	15700 J	---	1440	14500
Chromium	1,500	5	6.9	5.6	4.7	---	---	---	---	---	4.1	---	6.7	5.6
Cobalt	NC	2.1	3.3	2.7	2.4	---	---	---	---	---	2.1 B	---	2.7 J	2 J
Copper	270	10	16.7	12	11.1	---	---	---	---	---	10.7	---	11.1	8.1
Cyanide	27	2.7	5.6	.62	9.6	.6 U	.6 U	.6 U	.6 U	.6 U	.62 U	.6 U	.63 U	.62 U
Iron	NC	7410	11400	8430	9080	---	---	---	---	---	9260	---	12000	9460
Lead	1,000	4.4	10.4	2.7	2.3	---	---	---	---	---	1.9 J	---	4.8	2.5
Magnesium	NC	2250	2080	1580	2830	---	---	---	---	---	2310	---	1810	2850
Manganese	10,000	147	76.9	70.4	233	---	---	---	---	---	146	---	149	171
Mercury	2.8	.08 U	.08 U	.08 U	.08 U	---	---	---	---	---	.06 UJ	---	.07 U	.07 U
Nickel	310	6.3	9.1	7.7	7.5	---	---	---	---	---	7.7 B	---	8.2 J	6.4 J
Potassium	NC	443	552	440	572	---	---	---	---	---	553 B	---	---	---
Selenium	1,500	.94 U	1.5	.97 U	.97 U	---	---	---	---	---	1.6	---	.76 U	.75 U
Sodium	NC	63.3	52.4	35.9	85.7	---	---	---	---	---	59.6 B	---	110 J	104 J
Thallium	NC	1.3	1.2	1.6	.9	---	---	---	---	---	1.8 U	---	1.3 U	1.3 U
Vanadium	NC	4.9	7.6	6	6.2	---	---	---	---	---	6.6 B	---	11.2 J	8.8 J
Zinc	10,000	18	29.1	25.3	25.2	---	---	---	---	---	24.9	---	24	20

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	MW-09D	MW-09D	MW-09D	MW-09D	MW-09D	MW-09D	MW-10	MW-10	MW-14	MW-14	MW-14	MW-14	MW-18D	MW-18D	MW-18D	SB-02	SB-03	SB-03
	Sample Date	7/21/2003	7/21/2003	7/21/2003	7/21/2003	7/21/2003	7/21/2003	10/14/1999	10/14/1999	7/22/2003	7/22/2003	7/22/2003	7/22/2003	5/31/2005	5/31/2005	5/31/2005	2/12/1998	5/18/1998	5/18/1998
	Depth Interval (ft)	12 - 14	6 - 7.2	44 - 45.5	20 - 22	12 - 14	28 - 30	18 - 20	6 - 8	12 - 14	22 - 24	30 - 32	4 - 6	14 - 16	4 - 6	6 - 8	6 - 8	4 - 6	8 - 10
	Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																		
Aluminum	NC	---	---	---	---	---	---	3380	6180	---	---	---	---	---	---	---	2750	---	3300
Arsenic	16	---	---	---	---	---	---	1.5 J	2.8	---	---	---	---	---	---	---	1.8	---	2.2 B
Barium	400	---	---	---	---	---	---	14 J	25.9 J	---	---	---	---	---	---	---	10.9	---	11.5 B
Beryllium	590	---	---	---	---	---	---	.19 J	.57 J	---	---	---	---	---	---	---	.15	---	.19 B
Cadmium	9.3	---	---	---	---	---	---	.07 U	.07 U	---	---	---	---	---	---	---	.06 U	---	.12 U
Calcium Metal	NC	---	---	---	---	---	---	14700	3390	---	---	---	---	---	---	---	661	---	6850 J
Chromium	1,500	---	---	---	---	---	---	5.3	8.5	---	---	---	---	---	---	---	3.5	---	5.1
Cobalt	NC	---	---	---	---	---	---	1.8 J	3.4 J	---	---	---	---	---	---	---	1.7	---	2.6 B
Copper	270	---	---	---	---	---	---	7.2	16.7	---	---	---	---	---	---	---	8.6	---	10.7
Cyanide	27	.6 U	.62 U	.55 U	.6 U	.59 U	.61 U	.59 U	.57 U	.61 U	.6 U	.6 U	.66 U	.63 U	.17 J	.6 U	.86	1.2	3.1
Iron	NC	---	---	---	---	---	---	8190	13700	---	---	---	---	---	---	---	6900	---	8770
Lead	1,000	---	---	---	---	---	---	4.1	4.4	---	---	---	---	---	---	---	2.3	---	2.1 J
Magnesium	NC	---	---	---	---	---	---	2270	2290	---	---	---	---	---	---	---	1290	---	1860
Manganese	10,000	---	---	---	---	---	---	154	214	---	---	---	---	---	---	---	57.6	---	258
Mercury	2.8	---	---	---	---	---	---	.06 U	.06 U	---	---	---	---	---	---	---	.09 U	---	.06 UJ
Nickel	310	---	---	---	---	---	---	6.2 J	10.4	---	---	---	---	---	---	---	5.6	---	7.7 B
Potassium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	478	---	441 B
Selenium	1,500	---	---	---	---	---	---	.71 U	.69 U	---	---	---	---	---	---	---	.99 U	---	1.2 U
Sodium	NC	---	---	---	---	---	---	91.7 J	116 J	---	---	---	---	---	---	---	62.6	---	46.2 B
Thallium	NC	---	---	---	---	---	---	1.2 U	1.2 U	---	---	---	---	---	---	---	.84	---	1.8 U
Vanadium	NC	---	---	---	---	---	---	7.7 J	12	---	---	---	---	---	---	---	4.8	---	6.3 B
Zinc	10,000	---	---	---	---	---	---	17.6	29	---	---	---	---	---	---	---	18.2	---	24.2

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05	SB-06	SB-06	SB-07	SB-07	SB-08	SB-08	SB-09	SB-09	SB-10	SB-10
	Sample Date	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998
	Depth Interval (ft)	4 - 6	8 - 10	8 - 10	4 - 6	8 - 10	8 - 10	4 - 6	8 - 10	4 - 6	8 - 10	6 - 8	8 - 10	8 - 10	4 - 6	8 - 10	4 - 6
	Sample Type	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																
Aluminum	NC	---	---	---	---	3700	4060	---	---	---	---	---	---	3760	---	---	---
Arsenic	16	---	---	---	---	3.3	2.4 B	---	---	---	---	---	---	2.5	---	---	---
Barium	400	---	---	---	---	12.5 B	19.8 B	---	---	---	---	---	---	19.3 B	---	---	---
Beryllium	590	---	---	---	---	.2 B	.21 B	---	---	---	---	---	---	.2 B	---	---	---
Cadmium	9.3	---	---	---	---	.12 U	.13 U	---	---	---	---	---	---	.12 U	---	---	---
Calcium Metal	NC	---	---	---	---	10200 J	2780 J	---	---	---	---	---	---	11500 J	---	---	---
Chromium	1,500	---	---	---	---	5.7	5.7	---	---	---	---	---	---	4.6	---	---	---
Cobalt	NC	---	---	---	---	2.7 B	3.2 B	---	---	---	---	---	---	2.8 B	---	---	---
Copper	270	---	---	---	---	14.4	17.8	---	---	---	---	---	---	13.7	---	---	---
Cyanide	27	.7	3.5	2.7	.9 U	3.6	1.5	.6 U	1.4 UJ	1 U	.6 U	.6 U	.6 U	.69	.6 U	.6 U	.6 U
Iron	NC	---	---	---	---	11000	10600	---	---	---	---	---	---	11700	---	---	---
Lead	1,000	---	---	---	---	4.1 J	18.1 J	---	---	---	---	---	---	2.3 J	---	---	---
Magnesium	NC	---	---	---	---	2120	1820	---	---	---	---	---	---	2230	---	---	---
Manganese	10,000	---	---	---	---	158	85.5	---	---	---	---	---	---	287	---	---	---
Mercury	2.8	---	---	---	---	.06 UJ	.06 UJ	---	---	---	---	---	---	.08 BJ	---	---	---
Nickel	310	---	---	---	---	9.2 B	8.9 B	---	---	---	---	---	---	8.9 B	---	---	---
Potassium	NC	---	---	---	---	462 B	444 B	---	---	---	---	---	---	461 B	---	---	---
Selenium	1,500	---	---	---	---	1.3	1.5	---	---	---	---	---	---	1.5	---	---	---
Sodium	NC	---	---	---	---	34.1 B	32.5 B	---	---	---	---	---	---	40.4 B	---	---	---
Thallium	NC	---	---	---	---	1.9 U	2 U	---	---	---	---	---	---	1.8 U	---	---	---
Vanadium	NC	---	---	---	---	6.9 B	7.9 B	---	---	---	---	---	---	7.1 B	---	---	---
Zinc	10,000	---	---	---	---	30.8	38.2	---	---	---	---	---	---	28.3	---	---	---

Notes:
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NC - No Criteria
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[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-11	SB-11	SB-12	SB-12	SB-13	SB-13	SB-14	SB-14	SB-15	SB-15	SB-15	SB-15	SB-15	SB-16	SB-16	SB-16	SB-16	SB-16
	Sample Date	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	5/18/1998	1/29/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/30/2001	1/31/2001	1/31/2001	1/31/2001
	Depth Interval (ft)	4 - 6	8 - 10	4 - 6	8 - 10	8 - 10	4 - 6	18 - 20	26 - 28	12 - 14	16 - 18	26 - 28	28 - 30	4 - 6	10 - 12	6 - 8	18 - 20	28 - 30	38 - 40
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																		
Aluminum	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	590	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	27	.6 U	.6 U	.6 U	.6 U	.6 U	.6 U	.59 U	.61 U	17.7 U	.58 U	.65 U	.66 U	3	.6 U	.57 U	.6 U	.61 U	.63 U
Iron	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	310	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
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J - indicates an estimated value
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[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-17	SB-17	SB-17	SB-17	SB-18	SB-18	SB-18	SB-18	SB-18	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20	SB-20	SB-20
	Sample Date	1/31/2001	1/31/2001	1/31/2001	1/31/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/1/2001	2/2/2001	2/2/2001	2/2/2001	2/2/2001	2/2/2001
	Depth Interval (ft)	14 - 16	22 - 24	32 - 34	40 - 42	12 - 14	22 - 24	30 - 32	38 - 40	8 - 10	18 - 20	30 - 32	12 - 14	4 - 6	12 - 14	18 - 20	32 - 34	4 - 6	42 - 44
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																		
Aluminum	NC	3430	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	16	1.4 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	400	12.6 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	590	.27 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	9.3	.063 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	17800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	1,500	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	2.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	270	9.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	27	.63 U	.6 U	.65 U	.58 U	.61 U	.58 U	.62 U	.69 U	.62 U	.61 U	.69 U	.56 U	.99	2.9	18.8	.68 U	**53**	.55 U
Iron	NC	8850	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	1,000	2.9 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	NC	2350	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	10,000	151 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	2.8	.11 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	310	6.9 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	NC	675 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	1,500	.53 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	NC	43.2 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	NC	.93 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	6.1 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	10,000	21.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
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BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24	SB-24	SB-24	SB-24	SB-24
	Sample Date	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/5/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/6/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001
	Depth Interval (ft)		16 - 18	24 - 26	32 - 34	42 - 44	4 - 8	10 - 12	18 - 20	44 - 46	28 - 30	16 - 18	24 - 26	30 - 32	42 - 44	6 - 8	16 - 18	28 - 30	36 - 38	42 - 44	6 - 8
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																				
Aluminum	NC	3630	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5330	---	---	---	---
Arsenic	16	1.3 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.2	---	---	---	---
Barium	400	15.8 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.3 J	---	---	---	---
Beryllium	590	.24 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.3 J	---	---	---	---
Cadmium	9.3	.059 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.061 U	---	---	---	---
Calcium Metal	NC	17200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25700	---	---	---	---
Chromium	1,500	5.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.9	---	---	---	---
Cobalt	NC	2.8 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.1 J	---	---	---	---
Copper	270	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16.4	---	---	---	---
Cyanide	27	.59 U	.61 U	.61 U	.63 U	.56 U	**27.3**	1.4	.6 U	.63 U	.61 U	.62 U	.61 U	.63 U	.61 U	.85 U	.61 U	.6 U	.6 U	.58 U	.59 U
Iron	NC	9140	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14000	---	---	---	---
Lead	1,000	2.7 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.6 J	---	---	---	---
Magnesium	NC	2550	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3220	---	---	---	---
Manganese	10,000	152 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	312 J	---	---	---	---
Mercury	2.8	.11 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.11 U	---	---	---	---
Nickel	310	7.7 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11.3	---	---	---	---
Potassium	NC	703 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	863 J	---	---	---	---
Selenium	1,500	.5 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.51 U	---	---	---	---
Sodium	NC	44.6 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62.9 J	---	---	---	---
Thallium	NC	.87 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.9 U	---	---	---	---
Vanadium	NC	6.8 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.3 J	---	---	---	---
Zinc	10,000	27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.2	---	---	---	---

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BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-25	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27	SB-27	SB-27
	Sample Date	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/7/2001	2/8/2001	2/8/2001	2/8/2001	2/8/2001	2/8/2001	2/8/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001
	Depth Interval (ft)	36 - 38	6 - 8	36 - 38	12 - 14	42 - 44	20 - 22	4 - 6	44 - 46	32 - 34	22 - 24	12 - 14	12 - 14	22 - 24	30 - 32	4 - 6	12 - 14
	Sample Type	FD	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N
Chemical Name	Action Level[1]																
Aluminum	NC	---	---	---	---	---	---	---	---	---	---	3880	4260	---	---	---	---
Arsenic	16	---	---	---	---	---	---	---	---	---	---	1.8 J	2.1 J	---	---	---	---
Barium	400	---	---	---	---	---	---	---	---	---	---	14.7 J	15.9 J	---	---	---	---
Beryllium	590	---	---	---	---	---	---	---	---	---	---	.37 J	.29 J	---	---	---	---
Cadmium	9.3	---	---	---	---	---	---	---	---	---	---	.059 U	.059 U	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---	---	---	12900	16400	---	---	---	---
Chromium	1,500	---	---	---	---	---	---	---	---	---	---	5.6	6	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---	---	---	3.2 J	3.4 J	---	---	---	---
Copper	270	---	---	---	---	---	---	---	---	---	---	10.9	11.5	---	---	---	---
Cyanide	27	.6 U	.59 U	.6 U	.61 U	.6 U	.58 U	.68 U	.58 U	.6 U	.6 U	.59 U	.59 U	.59 U	.64 U	.58 U	.64 U
Iron	NC	---	---	---	---	---	---	---	---	---	---	9650	10100	---	---	---	---
Lead	1,000	---	---	---	---	---	---	---	---	---	---	3.4 J	3.4 J	---	---	---	---
Magnesium	NC	---	---	---	---	---	---	---	---	---	---	2580	2680	---	---	---	---
Manganese	10,000	---	---	---	---	---	---	---	---	---	---	225 J	263 J	---	---	---	---
Mercury	2.8	---	---	---	---	---	---	---	---	---	---	.11 U	.11 U	---	---	---	---
Nickel	310	---	---	---	---	---	---	---	---	---	---	8.2 J	8.9 J	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---	---	---	663 J	791 J	---	---	---	---
Selenium	1,500	---	---	---	---	---	---	---	---	---	---	.5 U	.5 U	---	---	---	---
Sodium	NC	---	---	---	---	---	---	---	---	---	---	44.8 J	42.4 J	---	---	---	---
Thallium	NC	---	---	---	---	---	---	---	---	---	---	.88 U	.88 U	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---	---	---	7.3 J	8.1 J	---	---	---	---
Zinc	10,000	---	---	---	---	---	---	---	---	---	---	32.8	34.9	---	---	---	---

Notes:
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J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-28	SB-28	SB-28	SB-28	SB-28	SB-29	SB-29	SB-29	SB-29	SB-29	SB-29	SB-30	SB-30	SB-30	SB-30	SB-30
	Sample Date	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/9/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001	2/12/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/13/2001
	Depth Interval (ft)	22 - 24	12 - 14	28 - 30	6 - 8	12 - 14	1.5 - 3	10 - 12	18 - 20	26 - 28	26 - 28	32 - 34	18 - 20	18 - 20	28 - 30	36 - 38	6 - 10
	Sample Type	N	FD	N	N	N	N	N	N	FD	N	N	FD	N	N	N	N
Chemical Name	Action Level[1]																
Aluminum	NC	---	---	---	---	---	6010	---	---	---	---	---	---	---	---	---	---
Arsenic	16	---	---	---	---	---	10.3	---	---	---	---	---	---	---	---	---	---
Barium	400	---	---	---	---	---	109	---	---	---	---	---	---	---	---	---	---
Beryllium	590	---	---	---	---	---	.63 J	---	---	---	---	---	---	---	---	---	---
Cadmium	9.3	---	---	---	---	---	1.2 J	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	2460	---	---	---	---	---	---	---	---	---	---
Chromium	1,500	---	---	---	---	---	7.5	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	5.2 J	---	---	---	---	---	---	---	---	---	---
Copper	270	---	---	---	---	---	230	---	---	---	---	---	---	---	---	---	---
Cyanide	27	.58 U	.61 U	.59 U	.62 U	.62 U	**27.3**	.62 U	.58 U	.61 U	.62 U	.63 U	.6 U	.6 U	.59 U	.56 U	3.6
Iron	NC	---	---	---	---	---	7190	---	---	---	---	---	---	---	---	---	---
Lead	1,000	---	---	---	---	---	570 J	---	---	---	---	---	---	---	---	---	---
Magnesium	NC	---	---	---	---	---	680 J	---	---	---	---	---	---	---	---	---	---
Manganese	10,000	---	---	---	---	---	165 J	---	---	---	---	---	---	---	---	---	---
Mercury	2.8	---	---	---	---	---	.28	---	---	---	---	---	---	---	---	---	---
Nickel	310	---	---	---	---	---	11.3 J	---	---	---	---	---	---	---	---	---	---
Potassium	NC	---	---	---	---	---	812 J	---	---	---	---	---	---	---	---	---	---
Selenium	1,500	---	---	---	---	---	.61 U	---	---	---	---	---	---	---	---	---	---
Sodium	NC	---	---	---	---	---	644 J	---	---	---	---	---	---	---	---	---	---
Thallium	NC	---	---	---	---	---	1.1 U	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	29.2	---	---	---	---	---	---	---	---	---	---
Zinc	10,000	---	---	---	---	---	347	---	---	---	---	---	---	---	---	---	---

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-31	SB-31	SB-31	SB-31	SB-32	SB-32	SB-32	SB-32	SB-32	SB-32	SB-33	SB-33	SB-33	SB-33	SB-33
	Sample Date	2/13/2001	2/13/2001	2/13/2001	2/13/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001	2/14/2001
	Depth Interval (ft)	32 - 34	6 - 8	24 - 26	16 - 18	12 - 14	22 - 24	28 - 30	34 - 36	4 - 8	12 - 14	10 - 12	6 - 8	38 - 40	20 - 22	28 - 30
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Chemical Name	Action Level[1]															
Aluminum	NC	---	---	---	---	---	---	---	---	---	---	6270	---	---	---	---
Arsenic	16	---	---	---	---	---	---	---	---	---	---	3.5	---	---	---	---
Barium	400	---	---	---	---	---	---	---	---	---	---	23.5 J	---	---	---	---
Beryllium	590	---	---	---	---	---	---	---	---	---	---	.35 J	---	---	---	---
Cadmium	9.3	---	---	---	---	---	---	---	---	---	---	.058 U	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---	---	---	32500	---	---	---	---
Chromium	1,500	---	---	---	---	---	---	---	---	---	---	8.2	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---	---	---	4.5 J	---	---	---	---
Copper	270	---	---	---	---	---	---	---	---	---	---	19.9	---	---	---	---
Cyanide	27	.59 U	.61 U	.62 U	.63 U	.6 U	.6 U	.64 U	.58 U	.57 U	.61 U	.66	7.5	.59 U	.61 U	.62 U
Iron	NC	---	---	---	---	---	---	---	---	---	---	15400	---	---	---	---
Lead	1,000	---	---	---	---	---	---	---	---	---	---	10.3 J	---	---	---	---
Magnesium	NC	---	---	---	---	---	---	---	---	---	---	3900	---	---	---	---
Manganese	10,000	---	---	---	---	---	---	---	---	---	---	251 J	---	---	---	---
Mercury	2.8	---	---	---	---	---	---	---	---	---	---	.1 U	---	---	---	---
Nickel	310	---	---	---	---	---	---	---	---	---	---	12.6	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---	---	---	926 J	---	---	---	---
Selenium	1,500	---	---	---	---	---	---	---	---	---	---	.49 U	---	---	---	---
Sodium	NC	---	---	---	---	---	---	---	---	---	---	84.5 J	---	---	---	---
Thallium	NC	---	---	---	---	---	---	---	---	---	---	.86 U	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---	---	---	10.5 J	---	---	---	---
Zinc	10,000	---	---	---	---	---	---	---	---	---	---	39.8	---	---	---	---

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-34	SB-34	SB-34	SB-35	SB-35	SB-35	SB-35	SB-35	SB-36	SB-36	SB-36	SB-36	SB-36	SB-37	SB-37	SB-38	SB-38	SB-38	SB-38
	Sample Date	5/27/2005	5/27/2005	5/27/2005	5/26/2005	5/26/2005	5/26/2005	5/26/2005	5/26/2005	6/6/2005	6/6/2005	6/6/2005	6/6/2005	6/6/2005	6/1/2005	6/1/2005	5/31/2005	5/31/2005	5/31/2005	5/31/2005
	Depth Interval (ft)	6 - 8	12 - 14	22 - 24	6 - 8	28 - 30	10 - 12	18 - 20	2 - 4	14 - 16	16 - 18	20 - 22	30 - 32	4 - 6	24 - 26	6 - 8	26 - 28	26 - 28	4 - 6	6 - 8
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical Name	Action Level[1]																			
Aluminum	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	590	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	27	.61 U	.61 U	.63 U	3.8	.64 U	7.4	4.6	**31**	.62 U	.62 U	.61 U	.62 U	.84	.27 J	.63 U	.65 U	.41 J	.5 J	.61 U
Iron	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	310	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
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Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-39	SB-39	SB-39	SB-40	SB-40	SB-40	SB-40	SB-40	SB-41	SB-41	SB-41	SB-41	SB-42	SB-42	SB-43	SB-43	SB-43	SB-43	SB-43
	Sample Date	5/20/2005	5/20/2005	5/20/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/9/2005	6/9/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005	6/13/2005
	Depth Interval (ft)	10 - 12	44 - 46	6 - 8	20 - 22	32 - 34	34 - 36	36 - 38	8 - 10	12 - 14	26 - 28	28 - 30	8 - 10	8 - 10	16 - 18	8 - 10	8 - 10	10 - 12	16 - 18	14 - 16
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical Name	Action Level[1]																			
Aluminum	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	590	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	27	1.6	.59 U	3.5	.61 U	.59 U	.6 U	.6 U	.58 U	3.1	2	.6 U	**39**	.6 U	3.6	.6 U	.61 U	.6 U	.6 U	.59 U
Iron	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	310	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-44	SB-44	SB-44	SB-45	SB-45	SB-45	SB-45	SB-46	SB-46	SB-46	SB-47	SB-47	SB-47	SB-47	SB-48	SB-48	SB-48	SB-48
	Sample Date	6/13/2005	6/13/2005	6/13/2005	5/18/2005	5/18/2005	5/18/2005	5/18/2005	5/17/2005	5/17/2005	5/17/2005	6/2/2005	6/2/2005	6/2/2005	6/2/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005
	Depth Interval (ft)	12 - 14	20 - 22	6 - 8	10 - 12	14 - 16	32 - 34	8 - 10	12 - 14	36 - 38	6 - 8	20 - 22	34 - 36	14 - 16	40 - 42	16 - 18	34 - 36	44 - 46	8 - 10
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																		
Aluminum	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	590	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	27	.62 U	.63 U	2.1 U	.61 U	.24 J	.6 U	.63 U	.63 U	.61 U	.72 U	1	.59 U	.83	.61 U	.7 U	.59 U	.61 U	.69 U
Iron	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	310	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
Hits only table
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NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-49	SB-49	SB-49	SB-49	SB-49	SB-50	SB-50B	SB-50B	SB-50B	SB-50B	SB-50B	SB-50B	SB-51	SB-51	SB-51	SB-51	SB-53	SB-53
	Sample Date	6/7/2005	6/7/2005	6/7/2005	6/7/2005	6/7/2005	5/23/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	5/18/2005	5/19/2005	5/19/2005	5/19/2005	6/3/2005	6/3/2005
	Depth Interval (ft)	14 - 16	16 - 18	22 - 24	36 - 38	6 - 8	8 - 10	12 - 14	26 - 28	30 - 32	12 - 14	22 - 24	14 - 16	8 - 10	14 - 16	20 - 22	42 - 44	14 - 16	8 - 10
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]																		
Aluminum	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	590	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	27	.6 J	.65 U	.39 J	.61 U	1.7 U	24	4.2	.6 J	.61 U	2 J	.58 J	26	.59 U	.36 J	.51 J	.59 U	.59 U	1.4
Iron	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	310	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	SB-54	SB-54	SB-54	SB-54	SB-54	TP-02	TP-03	TP-03	TW-01	TW-01	TW-01	TW-01	TW-02	TW-02	TW-02
	Sample Date	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/23/2005	5/23/2005	5/23/2005	7/23/2003	7/23/2003	7/23/2003	7/23/2003	7/24/2003	7/24/2003	7/24/2003
	Depth Interval (ft)	8 - 10	16 - 18	22 - 24	26 - 28	40 - 42	4 - 6	6 - 8	4 - 6	10 - 12	18 - 20	2 - 3	24 - 26	10 - 12	18 - 20	2 - 4
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level[1]															
Aluminum	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	590	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	27	.97	8.1	2.3	4.9	.6 U	1.7	**120**	**120**	.6 U	.61 U	.66 U	.63 U	.61 U	.61 U	1.1 U
Iron	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	310	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	1,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 6
National Grid
Jay Madison St Former MGP
Rome, NY

Subsurface Soil
Inorganic Compounds

	Location ID	TW-03	TW-03	TW-03	TW-03	TW-03
	Sample Date	7/25/2003	7/28/2003	7/28/2003	7/28/2003	7/28/2003
	Depth Interval (ft)	0.75 - 2	22 - 24	12 - 14	18 - 20	18 - 20
	Sample Type	N	N	N	FD	N
Chemical Name	Action Level[1]					
Aluminum	NC	---	---	---	---	---
Arsenic	16	---	---	---	---	---
Barium	400	---	---	---	---	---
Beryllium	590	---	---	---	---	---
Cadmium	9.3	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---
Chromium	1,500	---	---	---	---	---
Cobalt	NC	---	---	---	---	---
Copper	270	---	---	---	---	---
Cyanide	27	.57 U	.6 U	.61 U	.6 U	.6 U
Iron	NC	---	---	---	---	---
Lead	1,000	---	---	---	---	---
Magnesium	NC	---	---	---	---	---
Manganese	10,000	---	---	---	---	---
Mercury	2.8	---	---	---	---	---
Nickel	310	---	---	---	---	---
Potassium	NC	---	---	---	---	---
Selenium	1,500	---	---	---	---	---
Sodium	NC	---	---	---	---	---
Thallium	NC	---	---	---	---	---
Vanadium	NC	---	---	---	---	---
Zinc	10,000	---	---	---	---	---

Notes:
Hits only table
Units are in mg/kg (milligrams per kilogram)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
B - compound is less that the requested detection limit but greater than method detection limit.
[1] 6 NYCRR Part 375-6.8(b), Table 375-6.8(b) Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 7
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Volatile Organic Compounds

Location ID		MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02
Sample Date		3/5/1998	5/27/1998	10/21/1999	3/20/2001	3/20/2001	7/14/2005	12/4/2007	12/4/2007	3/5/1998	5/27/1998	5/27/1998	10/21/1999	3/21/2001	8/12/2003	7/14/2005	12/4/2007
Sample Type		N	N	N	FD	N	N	FD	N	N	FD	N	N	N	N	N	N
Chemical Name	Action Level [1]																
1,1,1-Trichloroethane	5	5 U	10 U	1	---	---	0.5 U	0.5 U	0.5 U	5 U	10 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	5 U	10 U	.5 U	---	---	0.5 U	0.5 U	0.5 U	5 U	10 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5	10 U	10 U	---	---	---	---	---	---	10 U	1 J	1 J	---	---	---	---	---
Acetone	50	10 U	10 U	10 U	---	---	10 U	1.51 J	10 U	2 J	10 U	10 U	10 U	---	10 UJ	10 U	10 U
Benzene	1	5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7 J**	**7 J**	**7 J**	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	10 U	10 U	.5 U	---	---	0.5 U	0.5 U	0.5 U	10 U	10 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60	10 U	10 U	.5 U	---	---	0.5 U	0.5 U	0.5 U	10 U	10 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
Chloroethane	5	10 U	10 U	1 U	---	---	1 U	1 U	1 U	10 U	10 U	10 U	0.1 J	---	1 U	1 U	1 U
Chloroform	7	10 U	2 J	0.7	---	---	0.5 U	0.5 U	0.5 U	3 J	4 J	4 J	**9**	---	6	**7.43**	0.88
cis-1,2-Dichloroethene	5	10 U	---	0.2 J	---	---	0.34 J	0.5 U	0.5 U	10 U	---	---	0.5	---	0.7	0.5 U	0.5 U
Dichlorobenzenes (1,4-)	3	---	---	---	---	---	0.5 U	0.2 U	0.17 U	---	---	---	---	---	---	0.5 U	0.15 U
Ethylbenzene	5	5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 J	3 J	3 J	10 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	---	---	---	---	---	0.5 U	0.5 U	0.5 U	---	---	---	---	---	---	0.5 U	0.5 U
Methyl Chloride	5	10 U	10 U	1 U	---	---	1 U	1 U	1 U	10 U	10 U	10 U	0.2 J	---	1 U	1 U	1 U
Methyl Tert-Butyl Ether	10	---	---	---	---	---	0.5 U	0.5 U	0.5 U	---	---	---	---	---	---	0.5 U	0.14 J
Methylene Chloride	5	5 U	10 U	2.00 U	---	---	2 U	0.18 U	0.17 U	5 U	10 U	1 J	2.00 U	---	2 U	2 U	0.16 U
Naphthalene	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	5	5 U	10 U	.5 U	---	---	0.5 U	0.5 U	0.5 U	10 U	10 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	5 U	2 J	4	---	---	2.57	1.17	1.31	4 J	4 J	4 J	**12**	---	**7**	1.68	1.48
Toluene	5	5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 J	1 J	1 J	10 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	10 U	---	.5 U	---	---	0.5 U	0.5 U	0.5 U	10 U	---	---	.5 U	---	0.5 U	0.5 U	0.5 U
Trichloroethene	5	5 U	10 U	0.5 J	---	---	0.36 J	0.12 J	0.2 J	5 U	10 U	10 U	0.7	---	0.5	0.1 J	0.5 U
Vinyl Chloride	2	5 U	10 U	1 U	---	---	1 U	1 U	1 U	5 U	10 U	10 U	0.1 J	---	1 U	1 U	1 U
Xylenes, Total	5	5 U	10 U	10 U	0.5 U	0.5 U	1 U	1 U	1 U	**32**	23 U	**23**	10 U	0.5 U	0.5 U	1 U	1 U

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 7
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Volatile Organic Compounds

Location ID		MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
Sample Date		3/5/1998	3/5/1998	5/27/1998	10/21/1999	3/21/2001	8/12/2003	7/14/2005	12/10/2007	12/10/2007	3/5/1998	5/27/1998	10/21/1999	10/21/1999	3/21/2001	7/14/2005	12/4/2007
Sample Type		FD	N	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N
Chemical Name	Action Level [1]																
1,1,1-Trichloroethane	5	5 U	5 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	5 U	10 U	1	.5 U	---	0.5 U	10 U
1,1-Dichloroethene	5	5 U	5 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	5 U	10 U	.5 U	.5 U	---	0.5 U	10 U
1,2-Dichloroethene (Total)	5	10 U	10 U	5 J	---	---	---	---	---	---	10 U	10 U	---	---	---	---	---
Acetone	50	10 U	2 J	10 U	10 U	---	10 UJ	10 U	10 U	10 U	2 J	10 U	10 U	10 U	---	10 U	200 U
Benzene	1	5 U	5 U	10 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2 J**	**4 J**	**2 J**	**3 J**	0.5	0.5 U	10 U
Bromodichloromethane	50	10 U	10 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	.5 U	.5 U	---	0.5 U	10 U
Carbon Disulfide	60	10 U	10 U	10 U	0.1 J	---	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.1 J	0.1 J	---	0.5 U	10 U
Chloroethane	5	10 U	10 U	10 U	1 U	---	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U	---	1 U	20 U
Chloroform	7	10 U	10 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.3 J	0.5 J	---	0.27 J	10 U
cis-1,2-Dichloroethene	5	10 U	10 U	---	4 J	---	0.5 U	0.5 U	0.5 U	0.5 U	10 U	---	.5 U	.5 U	---	0.12 J	10 U
Dichlorobenzenes (1,4-)	3	---	---	---	---	---	---	0.5 U	0.13 U	0.15 U	---	---	---	---	---	0.5 U	10 U
Ethylbenzene	5	5 U	5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	**12**	0.8 J	1 J	0.2 J	0.5 U	10 U
Isopropylbenzene	5	---	---	---	---	---	---	0.5 U	0.5 U	0.5 U	---	---	---	---	---	0.71	10 U
Methyl Chloride	5	10 U	10 U	10 U	0.2 J	---	1 U	1 U	1 U	1 U	10 U	10 U	1 U	0.1 J	---	1 U	20 U
Methyl Tert-Butyl Ether	10	---	---	---	---	---	---	0.5 U	0.5 U	0.5 U	---	---	---	---	---	0.5 U	10 U
Methylene Chloride	5	5 U	5 U	10 U	2.00 U	---	2 U	2 U	2 U	0.18 U	5 U	10 U	2.00 U	2.00 U	---	2 U	40 U
Naphthalene	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	5	10 U	10 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	2 J	2 J	1	2	---	0.5 U	10 U
Tetrachloroethene	5	1 J	1 J	10 U	2	---	2	1.01	**8.37**	**7.81**	4 J	2 J	0.9	1	---	0.43 J	10 U
Toluene	5	5 U	5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	10 U	**16**	**28**	0.3 J	0.5 U	10 U
trans-1,2-Dichloroethene	5	10 U	10 U	---	0.1 J	---	0.5 U	0.5 U	0.5 U	0.5 U	10 U	---	.5 U	.5 U	---	0.5 U	10 U
Trichloroethene	5	5 U	5 U	10 U	0.3 J	---	0.5 U	0.5 U	0.5 U	0.5 U	5 U	10 U	.5 U	.5 U	---	0.19 J	10 U
Vinyl Chloride	2	5 U	5 U	**5 J**	0.5 J	---	1 U	1 U	1 U	1 U	5 U	10 U	1 U	1 U	---	1 U	20 U
Xylenes, Total	5	5 U	5 U	10 U	10 U	0.5 U	0.5 U	1 U	1 U	1 U	**35**	**22**	**12**	**22**	**13 J**	1 U	**12.8 J**

Notes:
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[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 7
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Volatile Organic Compounds

Location ID		MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
Sample Date		3/5/1998	5/27/1998	10/21/1999	3/21/2001	7/14/2005	12/4/2007	4/28/2008	5/27/1998	10/21/1999	3/21/2001	7/12/2005	12/5/2007	5/27/1998	10/21/1999	3/21/2001	7/12/2005	12/5/2007	4/28/2008
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]																		
1,1,1-Trichloroethane	5	5 U	10 U	5 U	---	25 U	50 U	12.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	1	---	0.28 J	0.16 J	0.5 U
1,1-Dichloroethene	5	5 U	10 U	5 U	---	25 U	50 U	12.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5	10 U	10 U	---	---	---	---	---	10 U	---	---	---	---	10 U	---	---	---	---	---
Acetone	50	10 U	10 U	100 U	---	500 U	1000 U	---	10 U	10 U	---	10 U	10 U	10 U	10 U	---	10 U	10 U	---
Benzene	1	5 U	10 U	**24 J**	**4**	25 U	50 U	12.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	10 U	10 U	5 U	---	25 U	50 U	12.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60	10 U	10 U	5 U	---	25 U	50 U	---	10 U	0.2 J	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U	---
Chloroethane	5	10 U	10 U	10 U	---	50 U	100 U	25 U	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U	1 U
Chloroform	7	10 U	10 U	5 U	---	25 U	50 U	12.5 U	10 U	0.4 J	---	0.5 U	0.5 U	**12**	**15**	---	**11.7**	3.02	3.08
cis-1,2-Dichloroethene	5	10 U	---	2 J	---	25 U	50 U	12.5 U	---	.5 U	---	0.5 U	0.5 U	---	.5 U	---	0.5 U	0.5 U	0.5 U
Dichlorobenzenes (1,4-)	3	---	---	---	---	25 U	50 U	12.5 U	---	---	---	0.5 U	0.17 U	---	---	---	0.5 U	0.2 U	0.5 U
Ethylbenzene	5	2 J	**6 J**	**54 J**	**12**	**22 J**	**31 J**	12.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	---	---	---	---	**10.5 J**	**14 J**	12.5 U	---	---	---	0.5 U	0.5 U	---	---	---	0.5 U	0.5 U	0.5 U
Methyl Chloride	5	10 U	10 U	10 U	---	50 U	100 U	25 U	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U	1 U
Methyl Tert-Butyl Ether	10	---	---	---	---	25 U	50 U	12.5 U	---	---	---	0.5 U	0.5 U	---	---	---	0.96	0.5 U	0.5 U
Methylene Chloride	5	5 U	10 U	20.0 U	---	100 U	200 U	50 U	10 U	2.00 U	---	2 U	2 U	10 U	2.00 U	---	2 U	0.2 U	2 U
Naphthalene	10	---	---	---	---	---	---	**324**	---	---	---	---	---	---	---	---	---	---	1 U
Styrene	5	**12**	1 J	**73**	---	25 U	**41 J**	12.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	5 U	1 J	5	---	25 U	50 U	12.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.29 J	0.5 U
Toluene	5	**11**	4 J	**33 J**	**54**	**11 J**	**23 J**	12.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	10 U	---	5 U	---	25 U	50 U	12.5 U	---	.5 U	---	0.5 U	0.5 U	---	.5 U	---	0.5 U	0.5 U	0.5 U
Trichloroethene	5	5 U	10 U	1 J	---	25 U	50 U	12.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U	0.5 U
Vinyl Chloride	2	5 U	10 U	1 J	---	50 U	100 U	25 U	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U	1 U
Xylenes, Total	5	**110**	**91**	**280**	**290**	**124**	**206**	25 U	10 U	10 U	0.5 U	1 U	1 U	10 U	10 U	0.5 U	1 U	1 U	1 U

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 7
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Volatile Organic Compounds

Location ID		MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D
Sample Date		5/27/1998	10/21/1999	3/21/2001	7/12/2005	12/5/2007	5/27/1998	10/21/1999	3/21/2001	7/12/2005	12/5/2007	5/27/1998	10/21/1999	3/21/2001	7/18/2005	12/5/2007
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]															
1,1,1-Trichloroethane	5	10 U	.5 U	---	0.5 U	0.5 U	10 U	1	---	0.35 J	0.19 J	10 U	.5 U	---	0.5 U	0.5 U
1,1-Dichloroethene	5	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5	10 U	---	---	---	---	10 U	---	---	---	---	10 U	---	---	---	---
Acetone	50	10 U	10 U	---	10 U	10 U	10 U	10 U	---	10 U	2.44 J	10 U	10 U	---	10 U	10 U
Benzene	1	10 U	10 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U
Carbon Disulfide	60	10 U	1	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U	10 U	0.2 J	---	0.5 U	0.5 U
Chloroethane	5	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U
Chloroform	7	10 U	.5 U	---	0.5 U	0.5 U	**8 J**	6	---	**15.2**	1.05	1 J	.5 U	---	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	---	.5 U	---	0.5 U	0.5 U	---	.5 U	---	0.5 U	0.5 U	---	.5 U	---	0.5 U	0.5 U
Dichlorobenzenes (1,4-)	3	---	---	---	0.5 U	0.2 U	---	---	---	0.5 U	0.23 U	---	---	---	0.5 U	0.14 U
Ethylbenzene	5	10 U	10 U	0.5 U	0.5 U	0.5 U	10 U	1 J	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	---	---	---	0.5 U	0.5 U	---	---	---	0.5 U	0.5 U	---	---	---	0.5 U	0.5 U
Methyl Chloride	5	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U
Methyl Tert-Butyl Ether	10	---	---	---	0.5 U	0.5 U	---	---	---	**38.4**	0.5 U	---	---	---	0.5 U	0.5 U
Methylene Chloride	5	10 U	2.00 U	---	2 U	0.21 U	10 U	2.00 U	---	2 U	0.25 U	10 U	2.00 U	---	2 U	2 U
Naphthalene	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	5	10 U	.5 U	---	0.5 U	0.5 U	10 U	**6**	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U
Tetrachloroethene	5	10 U	.5 U	---	0.5 U	0.5 U	4 J	**6**	---	0.18 J	1.95	10 U	.5 U	---	0.5 U	0.5 U
Toluene	5	10 U	10 U	0.5 U	0.5 U	0.5 U	10 U	**11**	0.5 U	0.5 U	0.14 J	10 U	10 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	---	.5 U	---	0.5 U	0.5 U	---	.5 U	---	0.5 U	0.5 U	---	.5 U	---	0.5 U	0.5 U
Trichloroethene	5	10 U	.5 U	---	0.5 U	0.5 U	10 U	0.3 J	---	0.5 U	0.5 U	10 U	.5 U	---	0.5 U	0.5 U
Vinyl Chloride	2	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U	10 U	1 U	---	1 U	1 U
Xylenes, Total	5	10 U	10 U	0.5 U	1 U	1 U	2 J	**69**	0.2 J	1 U	1.3	10 U	10 U	0.5 U	1 U	1 U

Notes:
Hits only table
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Table 7
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Volatile Organic Compounds

	Location ID	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09D	MW-09D	MW-09D	MW-09D
	Sample Date	5/27/1998	10/21/1999	3/21/2001	7/20/2005	12/5/2007	4/28/2008	10/21/1999	3/21/2001	8/13/2003	7/13/2005	12/6/2007	8/13/2003	7/19/2005	7/19/2005	12/6/2007
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Chemical Name	Action Level [1]															
1,1,1-Trichloroethane	5	10 U	**6**	---	0.5 U	25 U	25 U	2	---	0.3 J	0.19 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	10 U	2 U	---	0.5 U	25 U	25 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5	10 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	50	10 U	50 U	---	10 U	500 U	---	10 U	---	10 UJ	10 U	2.43 J	10 UJ	10 U	10 U	10 U
Benzene	1	10 U	**18 J**	0.5 U	0.5 U	25 U	25 U	10 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
Bromodichloromethane	50	10 U	2 U	---	0.5 U	25 U	25 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60	10 U	2 U	---	0.5 U	25 U	---	0.2 J	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	10 U	5 U	---	1 U	50 U	50 U	1 U	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	10 U	2 U	---	0.5 U	25 U	25 U	2	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	---	0.7 J	---	0.5 U	25 U	25 U	0.3 J	---	0.7	0.4 J	0.64	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobenzenes (1,4-)	3	---	---	---	0.5 U	25 U	25 U	---	---	---	0.5 U	0.18 U	---	0.5 U	0.5 U	0.1 U
Ethylbenzene	5	10 U	**160**	0.5 U	0.5 U	**184**	**60.5**	10 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
Isopropylbenzene	5	---	---	---	0.5 U	**5.5 J**	25 U	---	---	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U
Methyl Chloride	5	10 U	0.7 J	---	1 U	50 U	50 U	1 U	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Tert-Butyl Ether	10	---	---	---	0.8	25 U	25 U	---	---	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U
Methylene Chloride	5	10 U	10.0 U	---	2 U	100 U	100 U	2.00 U	---	2 U	2 U	0.31 U	2 U	2 U	2 U	0.1 U
Naphthalene	10	---	---	---	---	---	**622**	---	---	---	---	---	---	---	---	---
Styrene	5	10 U	**690**	---	0.5 U	**96**	25 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	**21**	**6**	---	4.1	25 U	25 U	**12**	---	**13**	**8.36 J**	2.37	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	10 U	**960**	0.5 U	0.5 U	**278**	**34.5**	10 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
trans-1,2-Dichloroethene	5	---	2 U	---	0.5 U	25 U	25 U	.5 U	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	1 J	0.5 J	---	0.38 J	25 U	25 U	3	---	1	0.72	0.33 J	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	2	10 U	5 U	---	1 U	50 U	50 U	0.1 J	---	1 U	1 U	0.15 J	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 J	**1000**	0.5 U	1 U	**315**	**77.5**	10 U	0.5 U	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U

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Sample Type FD - Field Duplicate

Table 7
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Volatile Organic Compounds

Location ID		MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13	MW-14	MW-14	MW-14
Sample Date		10/21/1999	3/20/2001	8/12/2003	7/15/2005	7/15/2005	12/5/2007	3/20/2001	12/11/2007	3/20/2001	7/20/2005	12/6/2007	3/20/2001	7/15/2005	12/10/2007	8/12/2003	7/15/2005	12/6/2007
Sample Type		N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]																	
1,1,1-Trichloroethane	5	.5 U	---	0.5 U	0.50 U	0.5 U	0.5 U	---	25 U	---	5 U	0.5 U	---	0.5 U	0.5 U	130 U	25 U	5 U
1,1-Dichloroethene	5	.5 U	---	0.5 U	0.50 U	0.5 U	0.5 U	---	25 U	---	5 U	0.5 U	---	0.5 U	0.5 U	130 U	25 U	5 U
1,2-Dichloroethene (Total)	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	50	10 U	---	10 UJ	10.0 U	10 U	10 U	---	500 U	---	100 U	10 U	---	10 U	10 U	2500 UJ	500 U	100 U
Benzene	1	10 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	**38**	**77.5**	25 U	5 U	0.5 U	0.1 J	0.5 U	0.5 U	**63 J**	**119**	**139**
Bromodichloromethane	50	.5 U	---	0.5 U	0.50 U	0.5 U	0.5 U	---	25 U	---	5 U	0.5 U	---	0.22 J	0.5 U	130 U	25 U	5 U
Carbon Disulfide	60	.5 U	---	0.5 U	0.50 U	0.5 U	0.5 U	---	25 U	---	5 U	0.5 U	---	0.5 U	0.5 U	130 U	25 U	5 U
Chloroethane	5	1 U	---	1 U	1.00 U	1 U	1 U	---	50 U	---	10 U	1 U	---	1 U	1 U	250 U	50 U	10 U
Chloroform	7	**23**	---	6	0.50 U	0.5 U	0.44 J	---	25 U	---	3.2 J	4.53	---	**9.76**	**8.36**	130 U	25 U	2.9 J
cis-1,2-Dichloroethene	5	.5 U	---	0.5 U	0.41 J	0.5 U	0.5 U	---	**1020**	---	5 U	0.5 U	---	0.32 J	0.48 J	130 U	**14 J**	**14.4**
Dichlorobenzenes (1,4-)	3	---	---	---	0.50 U	0.5 U	0.22 U	---	25 U	---	5 U	0.2 U	---	0.5 U	0.17 U	---	25 U	5 U
Ethylbenzene	5	10 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.6 J	**68**	**25**	1.7 J	0.11 J	0.5 U	0.5 U	0.5 U	**250**	**36.5**	**62.3**
Isopropylbenzene	5	---	---	---	0.50 U	0.5 U	0.5 U	---	**13.5 J**	---	2.3 J	0.5 U	---	0.5 U	0.5 U	---	**7.5 J**	**12.7**
Methyl Chloride	5	1 U	---	1 U	1.00 U	1 U	1 U	---	50 U	---	10 U	1 U	---	1 U	1 U	250 U	50 U	10 U
Methyl Tert-Butyl Ether	10	---	---	---	0.50 U	0.5 U	0.16 J	---	25 U	---	5 U	0.5 U	---	1.93	1.97	---	25 U	5 U
Methylene Chloride	5	2.00 U	---	2 U	2.00 U	2 U	0.36 U	---	100 U	---	20 U	0.32 U	---	2 U	0.18 U	500 U	100 U	20 U
Naphthalene	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	5	.5 U	---	0.5 U	0.50 U	0.5 U	0.5 U	---	25 U	---	5 U	0.5 U	---	0.5 U	0.5 U	130 U	25 U	5 U
Tetrachloroethene	5	0.7	---	0.5 U	2.66	0.5 U	0.27 J	---	25 U	---	5 U	0.5 U	---	**14**	**7.51**	**49 J**	**7.5 J**	**7.3**
Toluene	5	10 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	**20**	**38**	**15 J**	5 U	0.5 U	0.2 J	0.5 U	0.5 U	130 U	**8.5 J**	4.9 J
trans-1,2-Dichloroethene	5	.5 U	---	0.5 U	0.50 U	0.5 U	0.5 U	---	25 U	---	5 U	0.5 U	---	0.5 U	0.5 U	130 U	25 U	5 U
Trichloroethene	5	.5 U	---	0.5 U	0.37 J	0.5 U	0.5 U	---	**7.5 J**	---	5 U	0.5 U	---	1.01	0.65	130 U	**8.5 J**	5 U
Vinyl Chloride	2	1 U	---	1 U	1.00 U	1 U	1 U	---	**553**	---	10 U	1 U	---	1 U	1 U	250 U	50 U	10 U
Xylenes, Total	5	10 U	0.5 U	0.5 U	1.00 U	1 U	1 U	**160 J**	**67**	**380 J**	10 U	0.12 J	0.5 U	1 U	1 U	**280**	**68.5**	**53.6**

Notes:
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BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 7
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Volatile Organic Compounds

Location ID		MW-15S	MW-15S	MW-16D	MW-16D	MW-17D	MW-17D	MW-17S	MW-17S	MW-18D	MW-18D	MW-19D	MW-19D	MW-20D	MW-20D	MW-21D
Sample Date		7/15/2005	12/10/2007	7/18/2005	12/6/2007	7/19/2005	12/7/2007	7/13/2005	12/7/2007	7/18/2005	12/11/2007	7/19/2005	12/11/2007	7/19/2005	12/11/2007	12/7/2007
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]															
1,1,1-Trichloroethane	5	0.5 U	0.5 U	25 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	250 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	25 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	250 U	0.5 U
1,2-Dichloroethene (Total)	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	50	10 U	10 U	500 U	50 U	50 U	3.58 J	10 U	1.99 J	10 U	10 U	10 U	3.08 J	10000 U	5000 U	10 U
Benzene	1	0.5 U	0.5 U	**46.5**	**19.6**	**1.05 J**	0.18 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	**380**	0.5 U
Bromodichloromethane	50	0.5 UJ	0.5 U	25 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	250 U	0.5 U
Carbon Disulfide	60	0.5 U	0.5 U	25 U	2.5 U	0.55 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	250 U	0.5 U
Chloroethane	5	1 U	1 U	50 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1000 U	500 U	1 U
Chloroform	7	5.26	0.5 U	25 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	**17.3**	**8.67**	0.36 J	0.5 U	500 U	250 U	0.5 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	25 U	2.5 U	**7.45**	0.91	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.73	500 U	**120 J**	0.39 J
Dichlorobenzenes (1,4-)	3	0.5 U	0.13 U	25 U	2.5 U	2.5 U	0.13 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	250 U	0.11 U
Ethylbenzene	5	0.5 U	0.5 U	**20.5 J**	**30.4**	2.5 U	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	**75 J**	0.5 U
Isopropylbenzene	5	0.5 U	0.5 U	25 U	2.9	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	250 U	0.5 U
Methyl Chloride	5	1 U	1 U	50 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1000 U	500 U	1 U
Methyl Tert-Butyl Ether	10	0.13 J	0.5 U	**48.5**	2.8	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 J	0.5 U	0.5 U	500 U	250 U	0.5 U
Methylene Chloride	5	2 U	2 U	100 U	10 U	10 U	0.22 U	2 U	2 U	2 U	2 U	2 U	0.1 U	2000 U	1000 U	0.14 U
Naphthalene	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	5	0.5 U	0.5 U	**140**	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	**105 J**	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	25 U	2.5 U	**6.6**	4.41	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**13800**	**29300**	1.7
Toluene	5	0.5 U	0.5 U	**108**	**16.2**	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**120 J**	**685**	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	25 U	2.5 U	1.45 J	0.34 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	250 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	25 U	2.5 U	**102**	**17.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	500 U	**85 J**	0.84
Vinyl Chloride	2	1 U	1 U	50 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1000 U	500 U	1 U
Xylenes, Total	5	1 U	1 U	**260**	**169**	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1000 U	**670**	1 U

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 7
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Volatile Organic Compounds

Location ID		MW-21S	MW-22D	MW-22S	TW-01	TW-02	TW-02	TW-03
Sample Date		12/7/2007	12/7/2007	12/7/2007	8/13/2003	8/13/2003	8/13/2003	8/13/2003
Sample Type		N	N	N	N	FD	N	N
Chemical Name	Action Level [1]							
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5	---	---	---	---	---	---	---
Acetone	50	10 U	1.87 J	1.31 J	10 UJ	10 UJ	10 UJ	10 UJ
Benzene	1	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.5 U	0.37 J	0.5 U	2	0.8	0.8	**16**
cis-1,2-Dichloroethene	5	0.81	0.5 U	0.5 U	**58 E**	4	4	0.5 U
Dichlorobenzenes (1,4-)	3	0.16 U	0.17 U	0.18 U	---	---	---	---
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	---	---	---	---
Methyl Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Tert-Butyl Ether	10	0.33 J	0.5 U	0.5 U	---	---	---	---
Methylene Chloride	5	0.18 U	0.31 U	0.11 U	2 U	2 U	2 U	2 U
Naphthalene	10	---	---	---	---	---	---	---
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	3.68	0.5 U	0.5 U	**20**	**12**	**12**	1
Toluene	5	0.5 U	0.2 J	0.5 U	0.5	0.2 J	0.2 J	0.2 J
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.12 J	0.5 U	0.5 U	**29**	2	2	0.2 J
Vinyl Chloride	2	1 U	1 U	1 U	**5**	1 U	1 U	1 U
Xylenes, Total	5	1 U	1 U	1 U	0.2 J	0.5 U	0.5 U	0.5 U

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
U - compound analyzed but not detected above the method detection limit.
J - indicates an estimated value
E - compound exceeds the calibration range of the instrument for this analysis.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 8
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Semivolatile Organic Compounds

	Location ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02
	Sample Date	3/5/1998	5/27/1998	10/21/1999	3/20/2001	3/20/2001	7/14/2005	12/4/2007	12/4/2007	3/5/1998	5/27/1998	5/27/1998	10/21/1999	3/21/2001	7/14/2005	12/4/2007
	Sample Type	N	N	N	FD	N	N	FD	N	N	N	FD	N	N	N	N
Chemical Name	Action Level [1]															
1,1`-Biphenyl	5	---	---	---	---	---	10 U	10 U	10 U	---	---	---	---	---	10 U	10 U
2,4-Dimethylphenol	1	10 U	10 U	---	---	---	10 U	10 U	10 U	10 U	10 U	10 U	---	---	10 U	10 U
2-Methylnaphthalene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	30	13	5	10 U	10 U	10 U	10 U
2-Methylphenol	1	10 U	10 U	---	---	---	10 U	10 U	10 U	10 U	10 U	10 U	---	---	10 U	10 U
4-Methylphenol	1	10 U	10 U	---	---	---	10 U	10 U	10 U	10 U	10 U	10 U	---	---	10 U	10 U
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	NC	---	---	---	---	---	10 U	10 U	10 U	---	---	---	---	---	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benz(a)Anthracene [2]	0.002	**2**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2**	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	NC	---	---	---	---	---	10 U	10 U	10 U	---	---	---	---	---	10 U	10 U
Benzo(a)Pyrene [2]	0	**1**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene [2]	0.002	**4**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2**	10 U	**1**	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene [2]	0.002	**1**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)Methane	5	10 U	10 U	---	---	---	10 U	10 U	10 U	10 U	10 U	10 U	---	---	10 U	10 U
bis(2-Ethylhexyl)Phthalate	5	1	10 U	---	---	---	10 U	10 U	10 U	10 U	10 U	10 U	---	---	10 U	10 U
Caprolactam	NC	---	---	---	---	---	1.5	10 U	10 U	---	---	---	---	---	10 U	10 U
Carbazole	NC	10 U	10 U	---	---	---	10 U	10 U	10 U	10 U	10 U	10 U	---	---	10 U	10 U
Chrysene [2]	0.002	**2**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2**	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene [2]	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	NC	10 U	10 U	---	---	---	10 U	10 U	10 U	2	10 U	10 U	---	---	10 U	10 U
Diethyl Phthalate	50	10 U	10 U	---	---	---	10 U	10 U	10 U	10 U	10 U	10 U	---	---	10 U	10 U
di-n-Butylphthalate	50	10 U	10 U	---	---	---	10 U	10 U	10 U	10 U	10 U	10 U	---	---	10 U	10 U
Fluoranthene	50	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4	2	2	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4	2	1	10 U	10 U	10 U	10 U
Indeno (1,2,3-Cd)Pyrene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**370**	**280**	**69**	1	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	16	7	5	10 U	10 U	10 U	10 U
Phenol	1	10 U	10 U	---	---	---	10 U	10 U	10 U	1	10 U	10 U	---	---	10 U	10 U
Pyrene	50	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3	2	2	10 U	10 U	10 U	10 U
Total CPAHs	NC	10	ND	ND	ND	ND	ND	0	0	7	ND	1	ND	ND	ND	0
Total PAHs	NC	16	ND	ND	ND	ND	ND	0	0	435	306	85	1	ND	ND	0

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] CPAH
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 8
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Semivolatile Organic Compounds

	Location ID	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
	Sample Date	3/5/1998	3/5/1998	5/27/1998	10/21/1999	3/21/2001	7/14/2005	12/10/2007	12/10/2007	3/5/1998	5/27/1998	10/21/1999	10/21/1999	3/21/2001	7/14/2005	12/4/2007
	Sample Type	FD	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N
Chemical Name	Action Level [1]															
1,1`-Biphenyl	5	---	---	---	---	---	10 U	10 U	10 U	---	---	---	---	---	**5.6**	**25**
2,4-Dimethylphenol	1	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	10 U	---	---	---	10 U	10 U
2-Methylnaphthalene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14	27	2	3	12	20	18
2-Methylphenol	1	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	10 U	---	---	---	10 U	10 U
4-Methylphenol	1	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	10 U	---	---	---	10 U	10 U
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8	17	2	2	4	3.6	**21**
Acenaphthylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	76	82	36	37	54	27	69
Acetophenone	NC	---	---	---	---	---	10 U	10 U	10 U	---	---	---	---	---	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3	2	10 U	11 U	2	1.1	4.4
Benz(a)Anthracene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzaldehyde	NC	---	---	---	---	---	10 U	10 U	10 U	---	---	---	---	---	10 U	10 U
Benzo(a)Pyrene [2]	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzo(b)Fluoranthene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzo(k)Fluoranthene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy)Methane	5	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	10 U	---	---	---	10 U	10 U
bis(2-Ethylhexyl)Phthalate	5	**22**	10 U	10 U	---	---	10 U	10 U	1.6	1	10 U	---	---	---	10 U	10 U
Caprolactam	NC	---	---	---	---	---	10 U	10 U	10 U	---	---	---	---	---	10 U	10 U
Carbazole	NC	10 U	10 U	10 U	---	---	10 U	10 U	10 U	1	10 U	---	---	---	10 U	1.3
Chrysene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U
Dibenz[a,h]anthracene [2]	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U
Dibenzofuran	NC	10 U	10 U	10 U	---	---	10 U	10 U	10 U	4	6	---	---	---	10 U	4.2
Diethyl Phthalate	50	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	10 U	---	---	---	10 U	10 U
di-n-Butylphthalate	50	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	10 U	---	---	---	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2	10 U	10 U	11 U	10 U	10 U	1.9
Fluorene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2	4	1	11 U	1	2.5	8
Indeno (1,2,3-Cd)Pyrene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1400**	**1900**	**160**	**180**	**590**	**160**	**410**
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14	14	1	11 U	12	5.6	26
Phenol	1	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	10 U	---	---	---	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2	10 U	10 U	11 U	10 U	10 U	1.9
Total CPAHs	NC	ND	ND	ND	ND	ND	ND	0	0	ND	ND	ND	ND	ND	ND	0
Total PAHs	NC	ND	ND	ND	ND	ND	ND	0	0	0	2046	202	222	675	219.8	0

Notes:
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[2] CPAH
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 8
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Semivolatile Organic Compounds

	Location ID	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
	Sample Date	3/5/1998	5/27/1998	10/21/1999	3/21/2001	7/14/2005	12/4/2007	4/28/2008	5/27/1998	10/21/1999	3/21/2001	7/12/2005	12/5/2007
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]												
1,1`-Biphenyl	5	---	---	---	---	**10**	**38**	---	---	---	---	10 U	10 U
2,4-Dimethylphenol	1	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U
2-Methylnaphthalene	NC	58	130	120	150	58	260	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	1	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U
4-Methylphenol	1	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U
Acenaphthene	20	1	10	500 U	17	7.6	**65**	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NC	35	90	64	94	45	120	17	10 U	10 U	10 U	10 U	10 U
Acetophenone	NC	---	---	---	---	10 U	10 U	---	---	---	---	10 U	10 U
Anthracene	50	10 U	2	500 U	3	1.8	7	10 U	10 U	10 U	10 U	10 U	10 U
Benz(a)Anthracene [2]	0.002	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	NC	---	---	---	---	10 U	10 U	---	---	---	---	10 U	10 U
Benzo(a)Pyrene [2]	0	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene [2]	0.002	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	NC	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene [2]	0.002	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)Methane	5	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U
bis(2-Ethylhexyl)Phthalate	5	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U
Caprolactam	NC	---	---	---	---	10 U	10 U	---	---	---	---	10 U	10 U
Carbazole	NC	1	3	---	---	1.8	6.7	---	10 U	---	---	10 U	10 U
Chrysene [2]	0.002	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene [2]	NC	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	NC	10 U	2	---	---	1.4	4.5	10 U	10 U	---	---	10 U	10 U
Diethyl Phthalate	50	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U
di-n-Butylphthalate	50	10 U	10 U	---	---	10 U	10 U	10 U	1	---	---	10 U	10 U
Fluoranthene	50	10 U	10 U	500 U	2	1.1	2	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50	1	8	500 U	13	3.7	24	10 U	10 U	10 U	10 U	10 U	10 U
Indeno (1,2,3-Cd)Pyrene [2]	0.002	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	---	**2100**	**2700**	**3600**	**1200**	**3200**	---	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50	2	9	500 U	21	7.7	28	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U
Pyrene	50	1	10 U	500 U	1	1.1	1.8	10 U	10 U	10 U	10 U	10 U	10 U
Total CPAHs	NC	ND	ND	ND	ND	ND	0	0	ND	ND	ND	ND	0
Total PAHs	NC	98	2349	2884	3901	1326	0	0	ND	ND	ND	ND	0

Notes:
Hits only table
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NC - No Criteria
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[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Value
[2] CPAH
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 8
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Semivolatile Organic Compounds

	Location ID	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
	Sample Date	5/27/1998	10/21/1999	3/21/2001	7/12/2005	12/5/2007	4/28/2008	5/27/1998	10/21/1999	3/21/2001	7/12/2005	12/5/2007	5/27/1998	10/21/1999	3/21/2001	7/12/2005	12/5/2007
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]																
1,1`-Biphenyl	5	---	---	---	10 U	10 U	---	---	---	---	10 U	10 U	---	---	---	10 U	10 U
2,4-Dimethylphenol	1	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
2-Methylnaphthalene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	28	2	10 U	10 U
2-Methylphenol	1	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
4-Methylphenol	1	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Acenaphthylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	21	2	10 U	10 U
Acetophenone	NC	---	---	---	10 U	10 U	---	---	---	---	10 U	10 U	---	---	---	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Benz(a)Anthracene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Benzaldehyde	NC	---	---	---	10 U	10 U	---	---	---	---	10 U	10 U	---	---	---	10 U	10 U
Benzo(a)Pyrene [2]	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Benzo(b)Fluoranthene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Benzo(k)Fluoranthene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
bis(2-Chloroethoxy)Methane	5	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
bis(2-Ethylhexyl)Phthalate	5	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
Caprolactam	NC	---	---	---	10 U	10 U	---	---	---	---	10 U	10 U	---	---	---	10 U	10 U
Carbazole	NC	10 U	---	---	10 U	10 U	---	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
Chrysene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Dibenz[a,h]anthracene [2]	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Dibenzofuran	NC	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
Diethyl Phthalate	50	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
di-n-Butylphthalate	50	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
Fluoranthene	50	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Indeno (1,2,3-Cd)Pyrene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3	**500**	**39**	10 U	10 U
Phenanthrene	50	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Phenol	1	10 U	---	---	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	---	---	10 U	10 U
Pyrene	50	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U
Total CPAHs	NC	ND	ND	ND	ND	0	0	ND	ND	ND	ND	0	ND	ND	ND	ND	0
Total PAHs	NC	4	ND	ND	ND	0	0	ND	ND	ND	ND	0	3	549	43	ND	0

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] CPAH
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 8
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Semivolatile Organic Compounds

	Location ID	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-09	MW-09	MW-09	MW-09	MW-09
	Sample Date	5/27/1998	10/21/1999	3/21/2001	7/18/2005	12/5/2007	5/27/1998	10/21/1999	3/21/2001	7/20/2005	12/5/2007	4/28/2008	10/21/1999	3/21/2001	8/13/2003	7/13/2005	12/6/2007
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]																
1,1`-Biphenyl	5	---	---	---	10 U	10 U	---	---	---	11 U	**8.1**	---	---	---	---	10 U	10 U
2,4-Dimethylphenol	1	10 U	---	---	10 U	10 U	10 U	---	---	11 U	**2.2**	10 U	---	---	10 U	10 U	10 U
2-Methylnaphthalene	NC	10 U	10 U	10 U	10 U	10 U	10 U	440	22	11 U	55	10	11 U	10 U	10 U	10 U	10 U
2-Methylphenol	1	10 U	---	---	10 U	10 U	10 U	---	---	11 U	10 U	10 U	---	---	10 U	10 U	10 U
4-Methylphenol	1	10 U	---	---	10 U	10 U	10 U	---	---	11 U	10 U	10 U	---	---	10 U	10 U	10 U
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	9	11 U	20	10 U	11 U	10 U	10 U	10 U	10 U
Acenaphthylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	340	21	11 U	26	10 U	11 U	10 U	10 U	10 U	10 U
Acetophenone	NC	---	---	---	10 U	10 U	---	---	---	11 U	2.5	---	---	---	---	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benz(a)Anthracene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzaldehyde	NC	---	---	---	10 U	10 U	---	---	---	11 U	10 U	---	---	---	---	10 U	10 U
Benzo(a)Pyrene [2]	0	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)Methane	5	10 U	---	---	10 U	10 U	10 U	---	---	11 U	10 U	10 U	---	---	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	5	10 U	---	---	**160**	10 U	10 U	---	---	11 U	10 U	10 U	---	---	2	10 U	10 U
Caprolactam	NC	---	---	---	10 U	10 U	---	---	---	1.1	10 U	---	---	---	---	10 U	10 U
Carbazole	NC	10 U	---	---	10 U	10 U	10 U	---	---	11 U	2.7	---	---	---	10 U	10 U	10 U
Chrysene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene [2]	NC	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Dibenzofuran	NC	10 U	---	---	10 U	10 U	10 U	---	---	11 U	1.2	10 U	---	---	10 U	10 U	10 U
Diethyl Phthalate	50	10 U	---	---	10 U	10 U	10 U	---	---	11 U	10 U	10 U	---	---	10 U	10 U	10 U
di-n-Butylphthalate	50	10 U	---	---	10 U	10 U	10 U	---	---	11 U	10 U	10 U	---	---	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	2	11 U	1.5	10 U	11 U	10 U	10 U	10 U	10 U
Indeno (1,2,3-Cd)Pyrene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	**6700**	**200**	11 U	**920**	---	11 U	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	4	11 U	1.9	10 U	11 U	10 U	10 U	10 U	10 U
Phenol	1	10 U	---	---	10 U	10 U	10 U	---	---	11 U	10 U	10 U	---	---	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U	10 U	10 U	1300 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Total CPAHs	NC	ND	ND	ND	ND	0	ND	ND	ND	ND	0	0	ND	ND	ND	ND	0
Total PAHs	NC	ND	ND	ND	ND	0	ND	7480	258	ND	0	0	ND	ND	ND	ND	0

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] CPAH
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 8
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Semivolatile Organic Compounds

	Location ID	MW-09D	MW-09D	MW-09D	MW-09D	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-12	MW-12	MW-12
	Sample Date	8/13/2003	7/19/2005	7/19/2005	12/6/2007	10/21/1999	3/20/2001	8/12/2003	7/15/2005	7/15/2005	12/5/2007	3/20/2001	12/11/2007	3/20/2001	7/20/2005	12/6/2007
	Sample Type	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N
Chemical Name	Action Level [1]															
1,1`-Biphenyl	5	---	10 U	10 U	10 U	---	---	---	10 U	10 U	10 U	---	**60**	---	4.5	10 U
2,4-Dimethylphenol	1	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	100 U	---	10 U	10 U
2-Methylnaphthalene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	120	31	44	14	10 U
2-Methylphenol	1	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	100 U	---	10 U	10 U
4-Methylphenol	1	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	100 U	---	10 U	10 U
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**460**	**310**	**43**	13	10 U
Acenaphthylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	25	40	31	3.9	10 U
Acetophenone	NC	---	10 U	10 U	10 U	---	---	---	10 U	10 U	10 U	---	100 U	---	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	43	**58**	5	10 U	10 U
Benz(a)Anthracene [2]	0.002	10 U	10 U	10 U	10 U	**1**	10 U	10 U	10 U	10 U	10 U	**17**	**58**	10 U	10 U	10 U
Benzaldehyde	NC	---	10 U	10 U	10 U	---	---	---	10 U	10 U	10 U	---	100 U	---	4.2	10 U
Benzo(a)Pyrene [2]	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2**	**57**	10 U	10 U	10 U
Benzo(b)Fluoranthene [2]	0.002	10 U	10 U	10 U	10 U	**1**	10 U	10 U	10 U	10 U	10 U	100 U	**43**	10 U	10 U	10 U
Benzo(g,h,i)Perylene	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	29	10 U	10 U	10 U
Benzo(k)Fluoranthene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	**16**	10 U	10 U	10 U
bis(2-Chloroethoxy)Methane	5	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	100 U	---	10 U	10 U
bis(2-Ethylhexyl)Phthalate	5	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	100 U	---	10 U	10 U
Caprolactam	NC	---	10 U	10 U	10 U	---	---	---	10 U	1.5	10 U	---	100 U	---	10 U	10 U
Carbazole	NC	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	18	---	1.1	10 U
Chrysene [2]	0.002	10 U	10 U	10 U	10 U	**1**	10 U	10 U	10 U	10 U	10 U	**14**	**44**	10 U	10 U	10 U
Dibenz[a,h]anthracene [2]	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	10 U	10 U	10 U
Dibenzofuran	NC	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	16	---	10 U	10 U
Diethyl Phthalate	50	10 U	1.7	2.1	10 U	---	---	10 U	10 U	10 U	10 U	---	100 U	---	10 U	10 U
di-n-Butylphthalate	50	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	100 U	---	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U	2	10 U	10 U	10 U	10 U	10 U	**57**	**130**	1	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	160	**130**	10	2.8	10 U
Indeno (1,2,3-Cd)Pyrene [2]	0.002	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	**19**	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1200**	**480**	**1300**	**290**	1.2
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**320**	**330**	23	4.2	10 U
Phenol	1	10 U	10 U	10 U	10 U	---	---	10 U	10 U	10 U	10 U	---	100 U	---	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U	2	10 U	10 U	10 U	10 U	10 U	**64**	**180**	10 U	10 U	10 U
Total CPAHs	NC	ND	ND	ND	0	3	ND	ND	ND	ND	0	43	0	ND	ND	0
Total PAHs	NC	ND	U	ND	0	7	ND	ND	ND	ND	0	2492	0	1457	327.9	0

Notes:
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[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] CPAH
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 8
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Semivolatile Organic Compounds

	Location ID	MW-13	MW-13	MW-13	MW-14	MW-14	MW-14	MW-15S	MW-15S	MW-16D	MW-16D	MW-17D	MW-17D	MW-17S	MW-17S	MW-18D	MW-18D
	Sample Date	3/20/2001	7/15/2005	12/10/2007	8/12/2003	7/15/2005	12/6/2007	7/15/2005	12/10/2007	7/18/2005	12/6/2007	7/19/2005	12/7/2007	7/13/2005	12/7/2007	7/18/2005	12/11/2007
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]																
1,1`-Biphenyl	5	---	10 U	10 U	---	**50**	**68**	10 U	10 U	1.8	**6.5**	10 U	11 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	1	---	10 U	10 U	**13 B**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NC	10 U	10 U	10 U	570	36	29	10 U	10 U	29	12	10 U	11 U	10 U	10 U	10 U	10 U
2-Methylphenol	1	---	10 U	10 U	**5**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
4-Methylphenol	1	---	10 U	10 U	**5**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Acenaphthene	20	10 U	10 U	10 U	**570**	**190**	**270**	10 U	10 U	1.6	4.7	10 U	11 U	10 U	10 U	10 U	10 U
Acenaphthylene	NC	10 U	10 U	10 U	73 B	89	59	10 U	10 U	19	50	10 U	1.8	10 U	10 U	10 U	10 U
Acetophenone	NC	---	10 U	10 U	---	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	**98 B**	13	12	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benz(a)Anthracene [2]	0.002	10 U	10 U	10 U	**72 B**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzaldehyde	NC	---	10 U	10 U	---	100 U	100 U	10 U	10 U	2.9	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzo(a)Pyrene [2]	0	10 U	10 U	10 U	**73 B**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene [2]	0.002	10 U	10 U	10 U	**60 B**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	NC	10 U	10 U	10 U	24 B	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene [2]	0.002	10 U	10 U	10 U	**24 B**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)Methane	5	---	10 U	10 U		100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	5	---	10 U	1.9	**11 B**	100 U	100 U	10 U	2.8	10 U	10 U	10 U	2.4	10 U	10 U	10 U	2
Caprolactam	NC	---	10 U	10 U	---	100 U	100 U	1.2	10 U	10 U	10 U	1.9	11 U	10 U	10 U	10 U	10 U
Carbazole	NC	---	10 U	10 U	31 B	30	27	10 U	10 U	10 U	1.9	10 U	11 U	10 U	10 U	10 U	10 U
Chrysene [2]	0.002	10 U	10 U	10 U	**70 B**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene [2]	NC	10 U	10 U	10 U	6	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Dibenzofuran	NC	---	10 U	10 U	25 B	11	11	10 U	10 U	10 U	10 U	10 U	1.1	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	---	10 U	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
di-n-Butylphthalate	50	---	10 U	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	**160 B**	21	100 U	10 U	10 U	10 U	10 U	10 U	3.1	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	**220**	**59**	**85**	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Indeno (1,2,3-Cd)Pyrene [2]	0.002	10 U	10 U	10 U	**20**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	**3200**	**1500**	**750**	10 U	10 U	**1500**	**2200**	10 U	3.3	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	10 U	**560**	**110**	**120**	10 U	10 U	10 U	10 U	10 U	2.7	10 U	10 U	10 U	10 U
Phenol	1	---	10 U	10 U	**9**	100 U	100 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	**240**	27	10	10 U	10 U	10 U	10 U	10 U	1.4	10 U	10 U	10 U	10 U
Total CPAHs	NC	ND	ND	0	325	ND	0	ND	0	ND	0	ND	0	ND	0	ND	0
Total PAHs	NC	ND	ND	0	6040	2045	0	ND	0	1549.6	0	ND	0	ND	0	ND	0

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] CPAH
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 8
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Semivolatile Organic Compounds

	Location ID	MW-19D	MW-19D	MW-20D	MW-20D	MW-21D	MW-21S	MW-22D	MW-22S	TW-01	TW-02	TW-02	TW-03
	Sample Date	7/19/2005	12/11/2007	7/19/2005	12/11/2007	12/7/2007	12/7/2007	12/7/2007	12/7/2007	8/13/2003	8/13/2003	8/13/2003	8/13/2003
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
Chemical Name	Action Level [1]												
1,1`-Biphenyl	5	10 U	10 U	**16**	**28**	10 U	10 U	10 U	10 U	---	---	---	---
2,4-Dimethylphenol	1	10 U	10 U	100 U	**29**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NC	10 U	10 U	100	150	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	1	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	1	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	10 U	10 U	16	**31**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NC	10 U	10 U	86	130	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	NC	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	---	---	---	---
Anthracene	50	10 U	10 U	**64**	**72**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benz(a)Anthracene [2]	0.002	10 U	10 U	**47**	**44**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	NC	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	---	---	---	---
Benzo(a)Pyrene [2]	0	10 U	10 U	**34**	**34**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene [2]	0.002	10 U	10 U	**38**	**40**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	NC	10 U	10 U	18	17	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene [2]	0.002	10 U	10 U	**16**	**14**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)Methane	5	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	5	10 U	3.8	100 U	100 U	1.7	10 U	10 U	10 U	10 U	1	2	10 U
Caprolactam	NC	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	---	---	---	---
Carbazole	NC	10 U	10 U	34	61	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene [2]	0.002	10 U	10 U	**39**	**37**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene [2]	NC	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	NC	10 U	10 U	51	59	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
di-n-Butylphthalate	50	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	**140**	**130**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	**62**	**96**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno (1,2,3-Cd)Pyrene [2]	0.002	10 U	10 U	**16**	**15**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	**840**	**1500**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	**210**	**210**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	**96**	**94**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total CPAHs	NC	ND	0	190	0	0	0	0	0	ND	0	ND	ND
Total PAHs	NC	ND	0	1822	0	0	0	0	0	ND	0	ND	ND

Notes:
Hits only table
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NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] CPAH
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 9
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Inorganics

	Location ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
	Sample Date	3/5/1998	5/27/1998	3/20/2001	3/20/2001	7/14/2005	12/4/2007	12/4/2007	3/5/1998	5/27/1998	5/27/1998	3/21/2001	7/14/2005	12/4/2007	3/5/1998	3/5/1998	5/27/1998	3/21/2001	7/14/2005	12/10/2007	12/10/2007
	Sample Type	N	N	N	FD	N	N	FD	N	FD	N	N	N	N	N	FD	N	N	N	FD	N
Chemical Name	Action Level [1]																				
Arsenic	25	**75.2**	**51**	2.6	2 U	---	---	---	**143**	**67.4**	**70.9**	3.5	---	---	21.3	17.5	6.8	2.5	---	---	---
Barium	1000	435	341	55.4	41.2	---	---	---	684	373	367	73.2	---	---	179	**N**	77.6	26.8	---	---	---
Cadmium	5	3	2.3	0.55	.25 U	---	---	---	**9.5**	4	3.6	.25 U	---	---	1.7	**N**	.49 U	.25 U	---	---	---
Calcium Metal	NC	115000	157000	90100	83800	---	---	---	225000	146000	150000	85500	---	---	80900	78100	96200	29500	---	---	---
Cobalt	NC	64.8	47.7	5.4	1.6	---	---	---	120	50.7	51.5	.86 U	---	---	26.4	**N**	5.8	.86 U	---	---	---
Copper	200	**353**	**267**	19.4	13.1	---	---	---	**919**	**456**	**431**	13.8	---	---	**209**	186	40.6	15.7	---	---	---
Cyanide	200	**2480**	**1070**	**610**	**740**	**630**	**730**	**700**	**1240**	**843**	**636**	59	180	140	**219**	**276**	**313**	74	**380**	**250**	**240**
Iron	300	**167000**	**134000**	**2540**	**1310**	---	---	---	**327000**	**170000**	**167000**	**4530**	---	---	**81400**	**73900**	**231000**	**11700**	---	---	---
Lead	25	**280**	**165**	11.1	6.8	---	---	---	**635**	**343**	**314**	11.9	---	---	**71.2**	**65**	15.2	8.8	---	---	---
Magnesium	35000	26700	24200	4630	4760	---	---	---	**51000**	31200	32500	11900	---	---	14600	13800	12400	848	---	---	---
Manganese	300	**4660**	**3090**	**675**	**469**	---	---	---	**8010**	**2760**	**3010**	39.8	---	---	**2000**	**1820**	**1120**	212	---	---	---
Mercury	0.7	**2.2**	**0.94**	0.24	.18 U	---	---	---	**1.1**	0.62	0.58	.18 U	---	---	0.39	0.24	.09 U	.18 U	---	---	---
Nickel	100	**127**	98.2	7.4	6.6	---	---	---	**240**	**115**	**115**	1	---	---	72.1	65.6	20.6	0.72	---	---	---
Potassium	NC	7750	11700	2330	2280	---	---	---	9300	10700	10200	2830	---	---	5070	**N**	4530	1530	---	---	---
Selenium	10	**21.1**	**18.9**	6.3	6.2	---	---	---	**26**	9.4	**15.2**	3.3	---	---	8.8	**10.5**	4.8 U	2.1 U	---	---	---
Silver	50	0.56	1.1 U	.73 U	.73 U	---	---	---	.56 U	1.1 U	1.1 U	.73 U	---	---	.56 U	.56 U	1.1 U	.73 U	---	---	---
Sodium	20000	**38700**	**144000**	**46900**	**46000**	---	---	---	**78600**	**113000**	**116000**	**146000**	---	---	6590	6490	**65600**	5360	---	---	---
Thallium	0.5	**5.5**	7.4 U	3.7 U	3.7 U	---	---	---	**7.2**	7.4 U	7.4 U	3.7 U	---	---	3.3 U	**N**	7.4 U	3.7 U	---	---	---
Vanadium	NC	107	112	3.4	1.6	---	---	---	184	116	113	4.9	---	---	66.6	60	25.6	20.3	---	---	---
Zinc	2000	435	325	21.5	9.6	---	---	---	1280	633	600	19.2	---	---	297	265	70.6	32.7	---	---	---

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
NC - No Criteria
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[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 9
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Inorganics

	Location ID	MW-04	MW-04	MW-04	MW-04	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-06D	MW-06D	MW-06D	MW-06D	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
	Sample Date	3/5/1998	5/27/1998	3/21/2001	7/14/2005	12/4/2007	3/5/1998	5/27/1998	3/21/2001	7/14/2005	12/4/2007	4/28/2008	5/27/1998	3/21/2001	7/12/2005	12/5/2007	5/27/1998	3/21/2001	7/12/2005	12/5/2007	4/28/2008
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]																				
Arsenic	25	**57.3**	**29.6**	2 U	---	---	**79**	**58.4**	2 U	---	---	---	14.5	2 U	---	---	**103**	**28**	---	---	---
Barium	1000	311	197	44	---	---	557	472	111	---	---	---	454	241	---	---	795	276	---	---	---
Cadmium	5	3.5	1.2	.25 U	---	---	**6.8**	3.3	.25 U	---	---	---	.49 U	0.35	---	---	**5.5**	.25 U	---	---	---
Calcium Metal	NC	193000	139000	86800	---	---	211000	166000	94700	---	---	---	176000	34400	---	---	129000	101000	---	---	---
Cobalt	NC	49.8	28.7	.86 U	---	---	97.9	71.4	.86 U	---	---	---	27.3	.86 U	---	---	133	22	---	---	---
Copper	200	**287**	175	3	---	---	**558**	**398**	4.2	---	---	---	77.4	3.6	---	---	**585**	109	---	---	---
Cyanide	200	**539**	**366**	140	**250**	**620**	**761**	**630**	**360**	**260**	**370**	---	10 U	37	10 U	10 U	10 U	10 U	10 U	10 U	---
Iron	300	**142000**	**85900**	**1720**	---	---	**277000**	**207000**	**2500**	---	---	**710**	**74300**	**688**	---	---	**288000**	**60300**	---	---	50 U
Lead	25	**90.7**	**43.8**	2.7	---	---	**196**	**135**	10.7	---	---	---	21.3	1.6	---	---	**406**	**42.9**	---	---	---
Magnesium	35000	32500	21000	13600	---	---	**52700**	**42800**	7700	---	---	---	**53200**	12200	---	---	**49400**	22700	---	---	---
Manganese	300	**3660**	**2450**	**478**	---	---	**5460**	**4080**	**1080**	---	---	**570**	**1880**	198	---	---	**18600**	**3790**	---	---	50 U
Mercury	0.7	0.21	0.13	.18 U	---	---	0.31	0.35	.18 U	---	---	---	0.1	.18 U	---	---	**0.74**	.18 U	---	---	---
Nickel	100	**126**	76	0.79	---	---	**241**	**179**	1.6	---	---	---	74.5	.72 U	---	---	**269**	52.9	---	---	---
Potassium	NC	8240	9080	3090	---	---	7930	13100	2120	---	---	---	10400	2050	---	---	18000	7910	---	---	---
Selenium	10	7	4.8 U	2.1 U	---	---	**20.4**	**20.1**	2.7	---	---	---	6.5	2.1 U	---	---	**26.5**	**10.2**	---	---	---
Silver	50	.56 U	1.1 U	.73 U	---	---	.56 U	1.1 U	.73 U	---	---	---	1.1 U	.73 U	---	---	1.1 U	.73 U	---	---	---
Sodium	20000	**36800**	**30800**	**83700**	---	---	**37700**	**43700**	**44400**	---	---	---	**49100**	18800	---	---	**498000**	**75200**	---	---	---
Thallium	0.5	**9.9**	7.4 U	3.7 U	---	---	**6.8**	7.4 U	3.7 U	---	---	---	7.4 U	3.7 U	---	---	37.2 U	3.7 U	---	---	---
Vanadium	NC	96.4	68.8	1.2	---	---	182	165	1.4	---	---	---	60	.4 U	---	---	205	54.2	---	---	---
Zinc	2000	517	282	8.1	---	---	769	552	7.5	---	---	---	172	9.9	---	---	1050	153	---	---	---

Notes:
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[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 9
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Inorganics

	Location ID	MW-07D	MW-07D	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-07S	MW-08D	MW-08D	MW-08D	MW-08D	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S
	Sample Date	5/27/1998	3/21/2001	7/12/2005	12/5/2007	5/27/1998	3/21/2001	7/12/2005	12/5/2007	5/27/1998	3/21/2001	7/18/2005	12/5/2007	5/27/1998	3/21/2001	7/20/2005	12/5/2007	4/28/2008
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]																	
Arsenic	25	4.2 U	3.1	---	---	**81.6**	2 U	---	---	4.2 U	2 U	---	---	**163**	3.7	---	---	---
Barium	1000	217	180	---	---	657	76.6	---	---	327	266	---	---	916	84.5	---	---	---
Cadmium	5	.49 U	1	---	---	3.6	.25 U	---	---	.49 U	0.8	---	---	**6.3**	.25 U	---	---	---
Calcium Metal	NC	63700	40900	---	---	225000	142000	---	---	63700	34600	---	---	397000	165000	---	---	---
Cobalt	NC	4.2	.86 U	---	---	98.2	.86 U	---	---	10.5	.86 U	---	---	156	2.2	---	---	---
Copper	200	21.7	1.7	---	---	**459**	8.9	---	---	30.9	3.7	---	---	**842**	9.8	---	---	---
Cyanide	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	16	10 U	10 U	10 U	10 U	10.8	29	12	13	---
Iron	300	**13600**	255	---	---	**204000**	**796**	---	---	**27200**	**897**	---	---	**438000**	**19600**	---	---	50 U
Lead	25	6.8	1.3	---	---	**209**	4.9	---	---	9.9	2.3	---	---	**257**	**110**	---	---	---
Magnesium	35000	21300	15100	---	---	**44500**	10200	---	---	22700	12100	---	---	**69600**	10600	---	---	---
Manganese	300	**492**	170	---	---	**10200**	**591**	---	---	**639**	216	---	---	**16200**	**1840**	---	---	120
Mercury	0.7	.09 U	.18 U	---	---	0.51	.18 U	---	---	.09 U	.18 U	---	---	**0.71**	.18 U	---	---	---
Nickel	100	23.1	.72 U	---	---	**205**	6.5	---	---	41.8	1.5	---	---	**346**	3.9	---	---	---
Potassium	NC	3560	1590	---	---	16000	4820	---	---	6300	2180	---	---	22500	5570	---	---	---
Selenium	10	4.8 U	2.1 U	---	---	**18.4**	4.4	---	---	5.6	2.1 U	---	---	**51.3**	4	---	---	---
Silver	50	1.1 U	.73 U	---	---	1.1 U	.73 U	---	---	1.1 U	.73 U	---	---	1.1 U	.73 U	---	---	---
Sodium	20000	18000	16600	---	---	**48500**	**69100**	---	---	**22600**	**20800**	---	---	**34200**	**50400**	---	---	---
Thallium	0.5	7.4 U	3.7 U	---	---	7.4 U	3.7 U	---	---	**9.6**	3.7 U	---	---	37.2 U	3.7 U	---	---	---
Vanadium	NC	14.2	.4 U	---	---	147	0.93	---	---	27.6	.4 U	---	---	282	6.6	---	---	---
Zinc	2000	41.7	3.7	---	---	575	7.1	---	---	67.4	9	---	---	1030	120	---	---	---

Notes:
Hits only table
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[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 9
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Inorganics

	Location ID	MW-09	MW-09	MW-09	MW-09	MW-09D	MW-09D	MW-09D	MW-09D	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-12	MW-12	MW-12
	Sample Date	3/21/2001	8/13/2003	7/13/2005	12/6/2007	8/13/2003	7/19/2005	7/19/2005	12/6/2007	3/20/2001	8/12/2003	7/15/2005	7/15/2005	12/5/2007	3/20/2001	12/11/2007	3/20/2001	7/20/2005	12/6/2007
	Sample Type	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical Name	Action Level [1]																		
Arsenic	25	2.2	---	---	---	---	---	---	---	10.9	---	---	---	---	5.8	---	5.6	---	---
Barium	1000	214	---	---	---	---	---	---	---	143	---	---	---	---	339	---	188	---	---
Cadmium	5	.25 U	---	---	---	---	---	---	---	.25 U	---	---	---	---	.25 U	---	.25 U	---	---
Calcium Metal	NC	132000	---	---	---	---	---	---	---	96200	---	---	---	---	225000	---	131000	---	---
Cobalt	NC	.86 U	---	---	---	---	---	---	---	12.1	---	---	---	---	4.1	---	2.6	---	---
Copper	200	5.5	---	---	---	---	---	---	---	45.5	---	---	---	---	1.2	---	118	---	---
Cyanide	200	17	6	5.4	11	10 U	10 U	10 U	10 U	10 U	4.9	5.4	**600**	10 U	48	7	10 U	10 U	10 U
Iron	300	**31900**	---	---	---	---	---	---	---	**22300**	---	---	---	---	**17500**	---	**8020**	---	---
Lead	25	5.3	---	---	---	---	---	---	---	**45.5**	---	---	---	---	11.9	---	**31.6**	---	---
Magnesium	35000	15000	---	---	---	---	---	---	---	19600	---	---	---	---	17800	---	16200	---	---
Manganese	300	**523**	---	---	---	---	---	---	---	**1300**	---	---	---	---	**3020**	---	**1180**	---	---
Mercury	0.7	.18 U	---	---	---	---	---	---	---	.18 U	---	---	---	---	.18 U	---	.18 U	---	---
Nickel	100	2.6	---	---	---	---	---	---	---	22.3	---	---	---	---	6.5	---	5	---	---
Potassium	NC	6480	---	---	---	---	---	---	---	5820	---	---	---	---	2740	---	3440	---	---
Selenium	10	5.8	---	---	---	---	---	---	---	5	---	---	---	---	3.2	---	2.4	---	---
Silver	50	.73 U	---	---	---	---	---	---	---	.73 U	---	---	---	---	.73 U	---	.73 U	---	---
Sodium	20000	**141000**	---	---	---	---	---	---	---	**163000**	---	---	---	---	**37400**	---	**157000**	---	---
Thallium	0.5	3.7 U	---	---	---	---	---	---	---	3.7 U	---	---	---	---	3.7 U	---	3.7 U	---	---
Vanadium	NC	3.3	---	---	---	---	---	---	---	20.8	---	---	---	---	10.2	---	7.3	---	---
Zinc	2000	10.7	---	---	---	---	---	---	---	78.5	---	---	---	---	61.3	---	111	---	---

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 9
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Inorganics

	Location ID	MW-13	MW-13	MW-13	MW-14	MW-14	MW-14	MW-15S	MW-15S	MW-16D	MW-16D	MW-17D	MW-17D	MW-17S	MW-17S	MW-18D	MW-18D	MW-19D	MW-19D	MW-20D	MW-20D
	Sample Date	3/20/2001	7/15/2005	12/10/2007	8/12/2003	7/15/2005	12/6/2007	7/15/2005	12/10/2007	7/18/2005	12/6/2007	7/19/2005	12/7/2007	7/13/2005	12/7/2007	7/18/2005	12/11/2007	7/19/2005	12/11/2007	7/19/2005	12/11/2007
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	Action Level [1]																				
Arsenic	25	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	1000	**1050**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	5	2.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	NC	345000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	NC	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	200	104	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	200	10 U	10 U	10 U	52	61	45	10 U	10 U	10 U	10 U	4.1	10 U	10 U	10 U	3.6	10 U	10 U	10 U	12	34
Iron	300	**2960**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	25	6.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	35000	26200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	300	**5880**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	0.7	0.28	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	100	35.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	NC	4490	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	10	5.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	50	.73 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	20000	**143000**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	0.5	3.7 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	NC	7.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	2000	79	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

Table 9
National Grid
Jay Madison St Former MGP
Rome, NY

Groundwater
Inorganics

	Location ID	MW-21D	MW-21S	MW-22D	MW-22S	TW-01	TW-02	TW-02	TW-03
	Sample Date	12/7/2007	12/7/2007	12/7/2007	12/7/2007	8/13/2003	8/13/2003	8/13/2003	8/13/2003
	Sample Type	N	N	N	N	N	FD	N	N
Chemical Name	Action Level [1]								
Arsenic	25	---	---	---	---	---	---	---	---
Barium	1000	---	---	---	---	---	---	---	---
Cadmium	5	---	---	---	---	---	---	---	---
Calcium Metal	NC	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---
Copper	200	---	---	---	---	---	---	---	---
Cyanide	200	10 U	10 U	10 U	10 U	10 U	10 U	4.9	3.2
Iron	300	---	---	---	---	---	---	---	---
Lead	25	---	---	---	---	---	---	---	---
Magnesium	35000	---	---	---	---	---	---	---	---
Manganese	300	---	---	---	---	---	---	---	---
Mercury	0.7	---	---	---	---	---	---	---	---
Nickel	100	---	---	---	---	---	---	---	---
Potassium	NC	---	---	---	---	---	---	---	---
Selenium	10	---	---	---	---	---	---	---	---
Silver	50	---	---	---	---	---	---	---	---
Sodium	20000	---	---	---	---	---	---	---	---
Thallium	0.5	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---
Zinc	2000	---	---	---	---	---	---	---	---

Notes:
Hits only table
Units are in ug/l (micrograms per liter)
NC - No Criteria
U - compound analyzed but not detected above the method detection limit.
[1] New York State Department of Environmental Conservation, Technicaland Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - Value exceeds Action Level
--- - Not Analyzed
Sample Type N - Normal
Sample Type FD - Field Duplicate

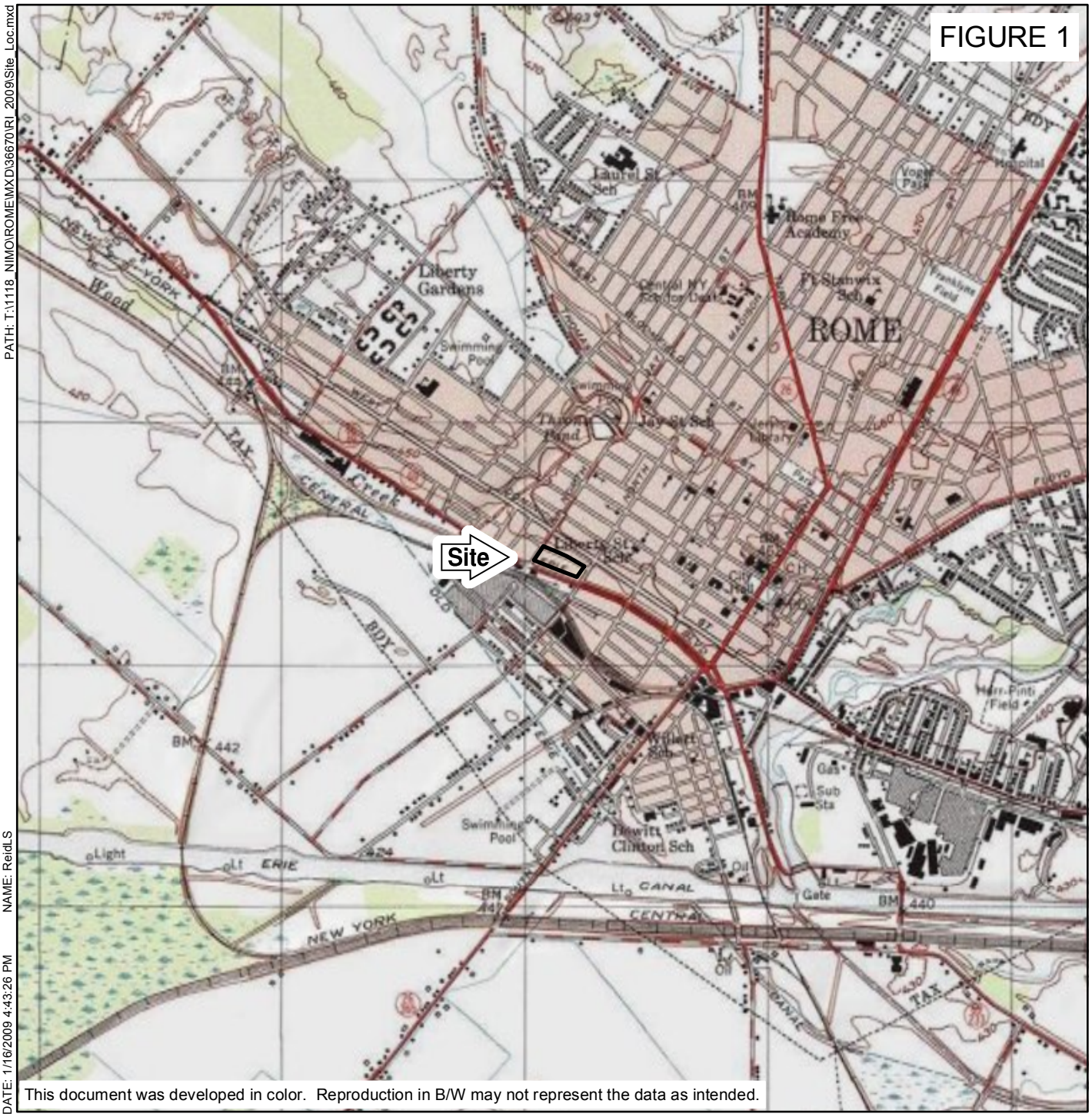
Table 10
Jay Madison St. Former Site
Rome, NY

Soil Vapor and Sub-slab Sample Results

		Sub-slab Samples		Soil Vapor Samples						Ambient Air Samples	
	Location ID	SS-01-110807-NG	SS-02-110807-NG	SV-1-6288	SV-2-6464	SV-02-110807-NG	SV-3-6544	SV-4-6629	SV-04-110807-NG	Amb-01-110807-NG	Amb-02-110807-NG
	Sample Date	11/8/2007	11/8/2007	6/14/2005	6/14/2005	11/8/2007	6/14/2005	6/14/2005	11/8/2007	11/8/2007	11/8/2007
Chemical Name	**Unit**	Front Counter	Storage Closet								
Not MGP-Related											
Freon 12	uG/m3	3.6	9.4	ND	ND	1.6	ND	ND	2.0	2.5	2.2
Chloromethane	uG/m3	1.3	ND	ND	ND	ND	ND	ND	ND	0.90	0.98
Freon 11	uG/m3	2	22	ND	ND	1.2	ND	ND	1.1	1.1	1.2
Ethanol	uG/m3	160J	63	ND	ND	1.8	ND	ND	2.7	3.20	2.8
Acetone	uG/m3	150J	35	430	180	18	380	810	31.0	13	11
2-Propanol	uG/m3	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	uG/m3	14	ND	7.8	6.9	4.5	<31	5.6	13	ND	ND
Methylene Chloride	uG/m3	87	8.4	<6.9	4.5	5	16J	6.3	14	ND	1.7
Hexane	uG/m3	51	31	ND	21	1.6	ND	29	5.6	0.84	1.1
2-Butanone (MEK)	uG/m3	7.2	1.9	ND	7.1	1.6	ND	13	1.8	2.20	1.8
Chloroform	uG/m3	4.7	3.8	13	4.6	4.2	29	2.4	ND	ND	ND
1,1,1-Trichloroethane	uG/m3	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	uG/m3	13	7.5	4.1	5.9	0.94	<14	7.2	2.2	ND	ND
Heptane	uG/m3	41	24	ND	14	1.1	ND	17	4.0	ND	ND
Styrene	uG/m3	1.5	ND	<3.4	5.1	ND	<17	ND	ND	ND	ND
Propylbenzene	uG/m3	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	uG/m3	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	uG/m3	3.7	ND	46	59	ND	54	69	1.1	ND	ND
4-Methyl-2-pentanone (MIBK)	uG/m3	ND	ND	ND	ND	20	ND	ND	ND	ND	ND
alpha-Chlorotoluene	uG/m3	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	uG/m3	1.8	ND	17	19	ND	21	26	ND	ND	ND
2,2,4-Trimethlpentane	uG/m3	ND	ND	<3.5	ND	ND	<19	2.3	ND	ND	ND
Dichlorodifluoromethane	uG/m3	ND	ND	<9.9	ND	ND	<49	3.4	ND	ND	ND
Trichloroethene	uG/m3	ND	ND	<4.3	24	17	<21	ND	ND	ND	ND
Trichlorofluoromethane	uG/m3	ND	ND	<4.5	2.8	ND	<22	3.1	ND	ND	ND
Tetrachloroethene	uG/m3	1.5	1200	750	500	240	<27	4.6	2.3	ND	ND
Potentially MGP-Related											
Benzene	uG/m3	15	7.5	15	16	0.96	21	30	1.8	1.5	0.98
Ethyl Benzene	uG/m3	8.4	ND	43	48	ND	61	74	0.68	ND	ND
Xylene (m,p)	uG/m3	28	4.4	180	200	1.0	240	300	3.0	1.8	0.93
Xylene (o)	uG/m3	9.0	ND	48	56	ND	65	87	1.3	0.74	ND
Xylene (Total)	uG/m3	37	4.4	230	260	1	310	390	4.3	2.54	0.93
Toluene	uG/m3	53	12	100	150	2.5	160	230	5.3	3.1	2.4
1,2,4-Trimethylbenzene	uG/m3	3.8	ND	69	79	ND	74	93	1.1	ND	ND
Naphthalene	uG/m3	ND	ND	ND	ND	ND	16	ND	ND	ND	ND

Notes:
ND - Not Detected
J - Estimated
E - Exceeds instrument calibration range
[1] - Typical Indoor Air Concenrtation for Commercial Buildings per USEPA 2001, *Building Assessment and Survey Evaluation (BASE) Database* - value represents 90th percentile as suggested by the NYSDOH Vapor Intrusion Guidance Document (Appendix C).

FIGURE 1



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ADAPTED FROM: ROME, NEW YORK USGS QUADRANGLE

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

MAP LOCATION

SITE LOCATION

N

0 1,000 2,000 4,000 6,000 8,000

Feet

JANUARY 2009
1118.36670

1:24,000

O'BRIEN & GERE

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NAME: ReidLS
DATE: 1/16/2009 4:43:26 PM

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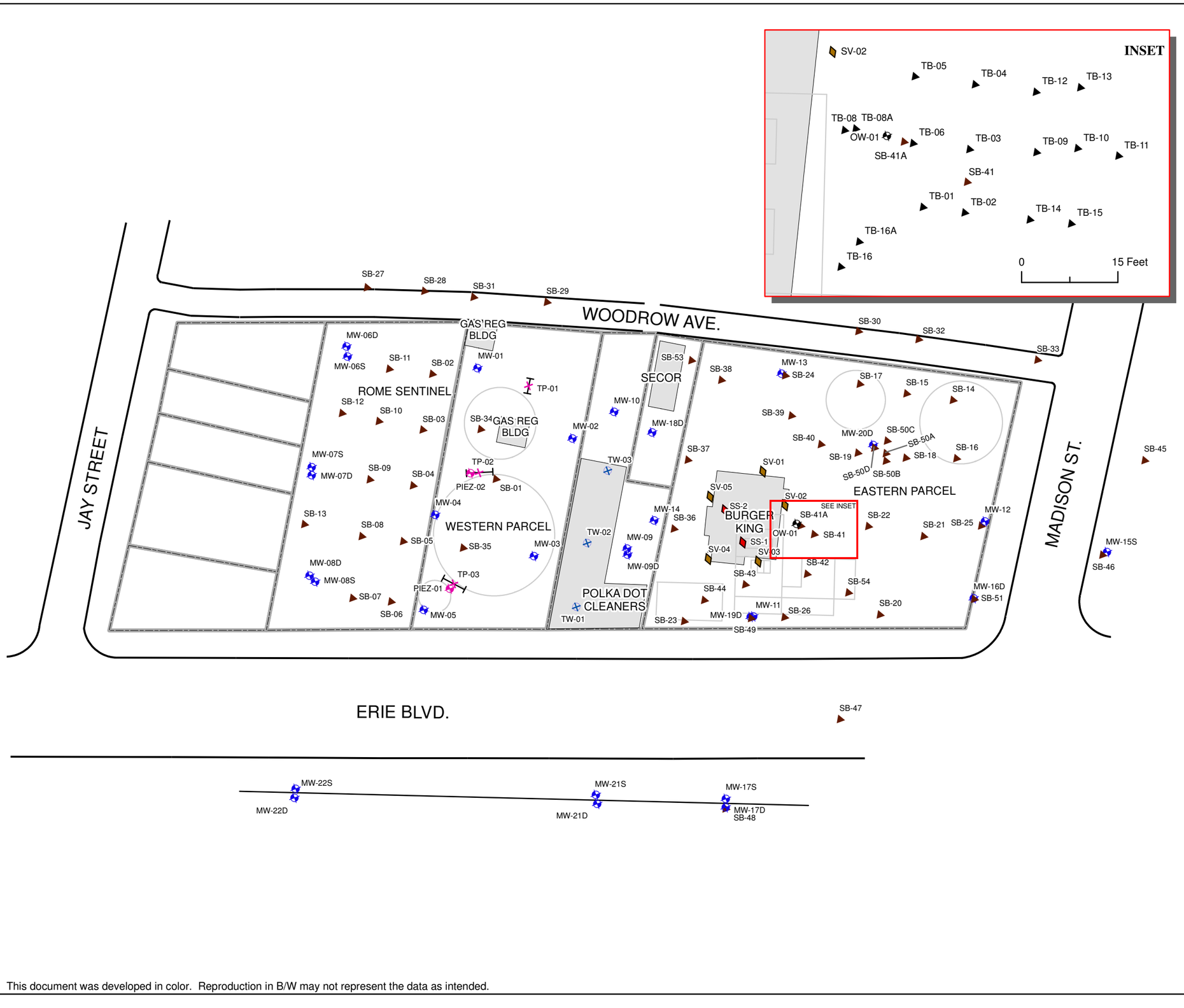
FIGURE 2



LEGEND

LOCATION TYPE

- TAR BORING
- MONITORING WELL
- OBSERVATION WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SUB SLAB
- SOIL VAPOR
- TEST PIT
- FORMER STRUCTURES
- PROPERTY LINE

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SAMPLING LOCATIONS

0 35 70 140
Feet

JANUARY 2009
1118.36670

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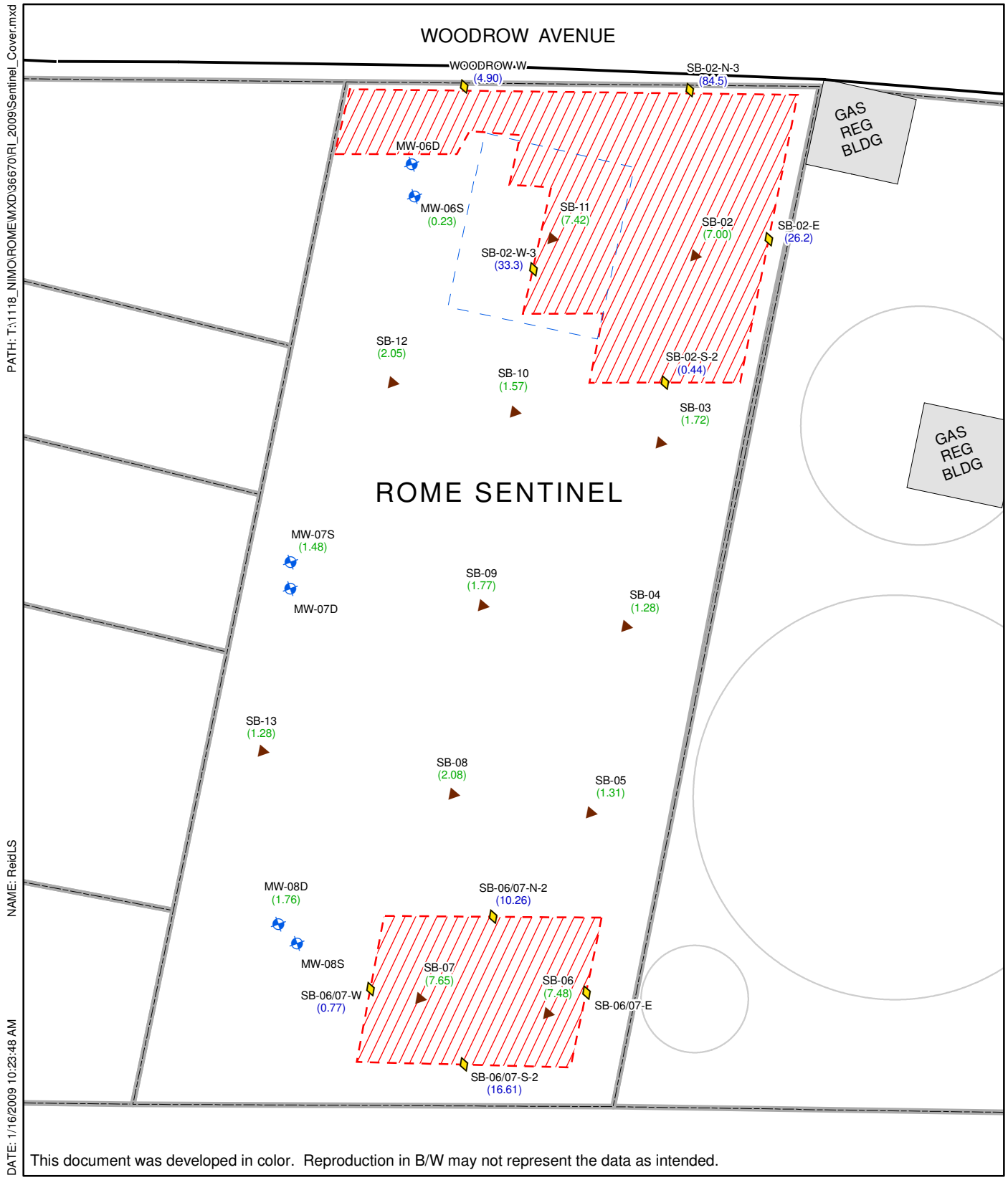
DATE: 2/2/2009 12:30:22 PM NAME: ReidLS

FIGURE 3



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NAME: ReidLS

DATE: 1/16/2009 10:23:48 AM

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LEGEND

- MONITORING WELL
- SOIL BORING
- EXCAVATION VERIFICATION SAMPLE
- SURFACE SOIL REMOVAL AREA
- SUB-SURFACE EXCAVATIONS
- (1.42) DEPTH OF COVER (FT)
- (16.6) TOTAL CPAH VERIFICATION SAMPLE (mg/kg)

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

COVER THICKNESS

0 15 30 60
Feet

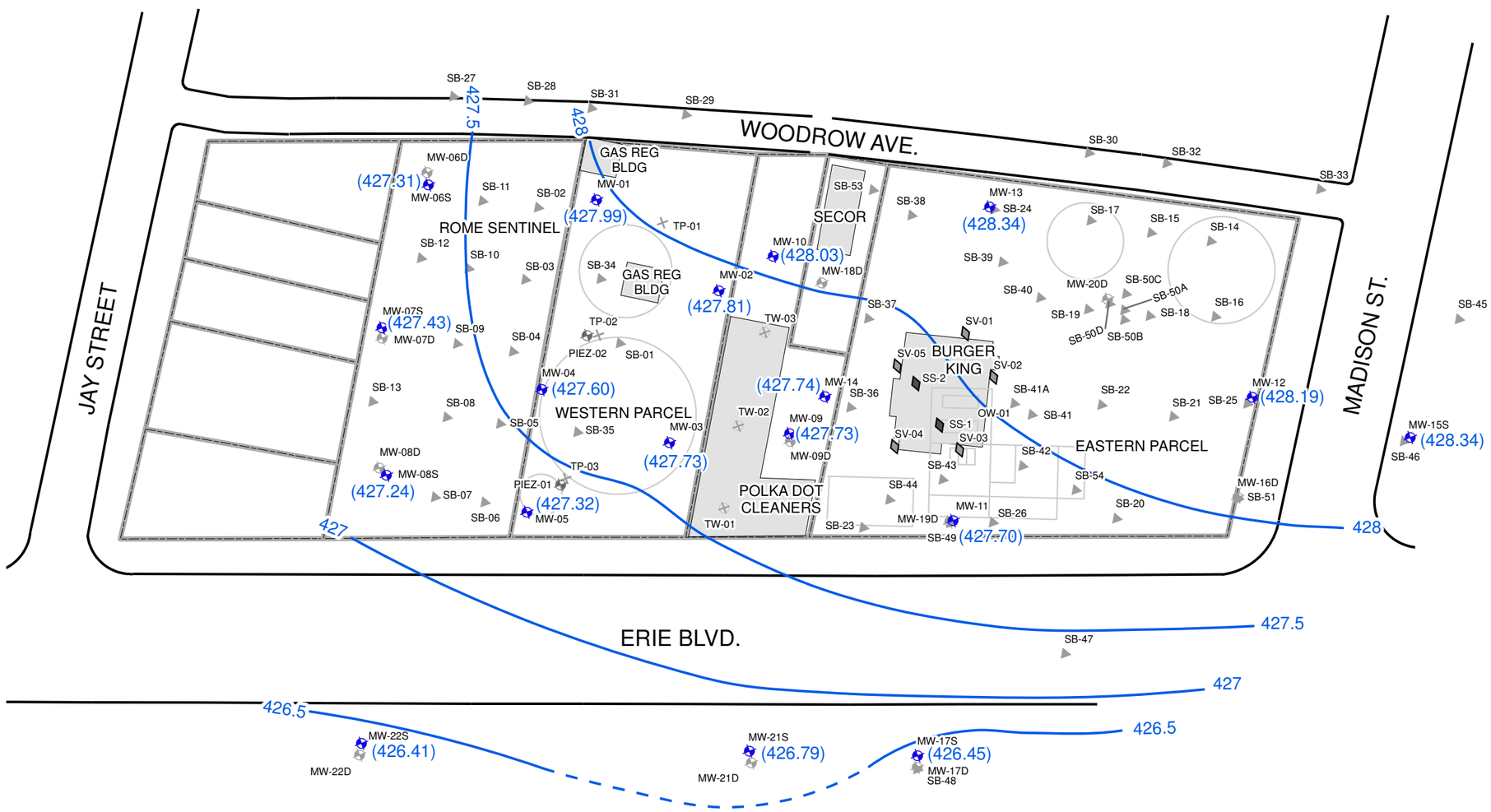
N

JANUARY 2009
1118.36670

O'BRIEN & GERE

PATH: T:\1118_NIMO\ROME\MXD\36670\RI_2009\GWS_CTOUR_DEC-07.mxd

FIGURE 4



LEGEND

- GROUND WATER ELEVATION
- APPROXIMATE GROUND WATER ELEVATION

LOCATION TYPE

- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- SUB SLAB
- TEST PIT

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SHALLOW GROUND WATER ELEVATION CONTOURS (12/04/07)

0 35 70 140
Feet

JANUARY 2009
1118.36670

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NAME: RedLS

DATE: 2/2/2009 12:50:25 PM

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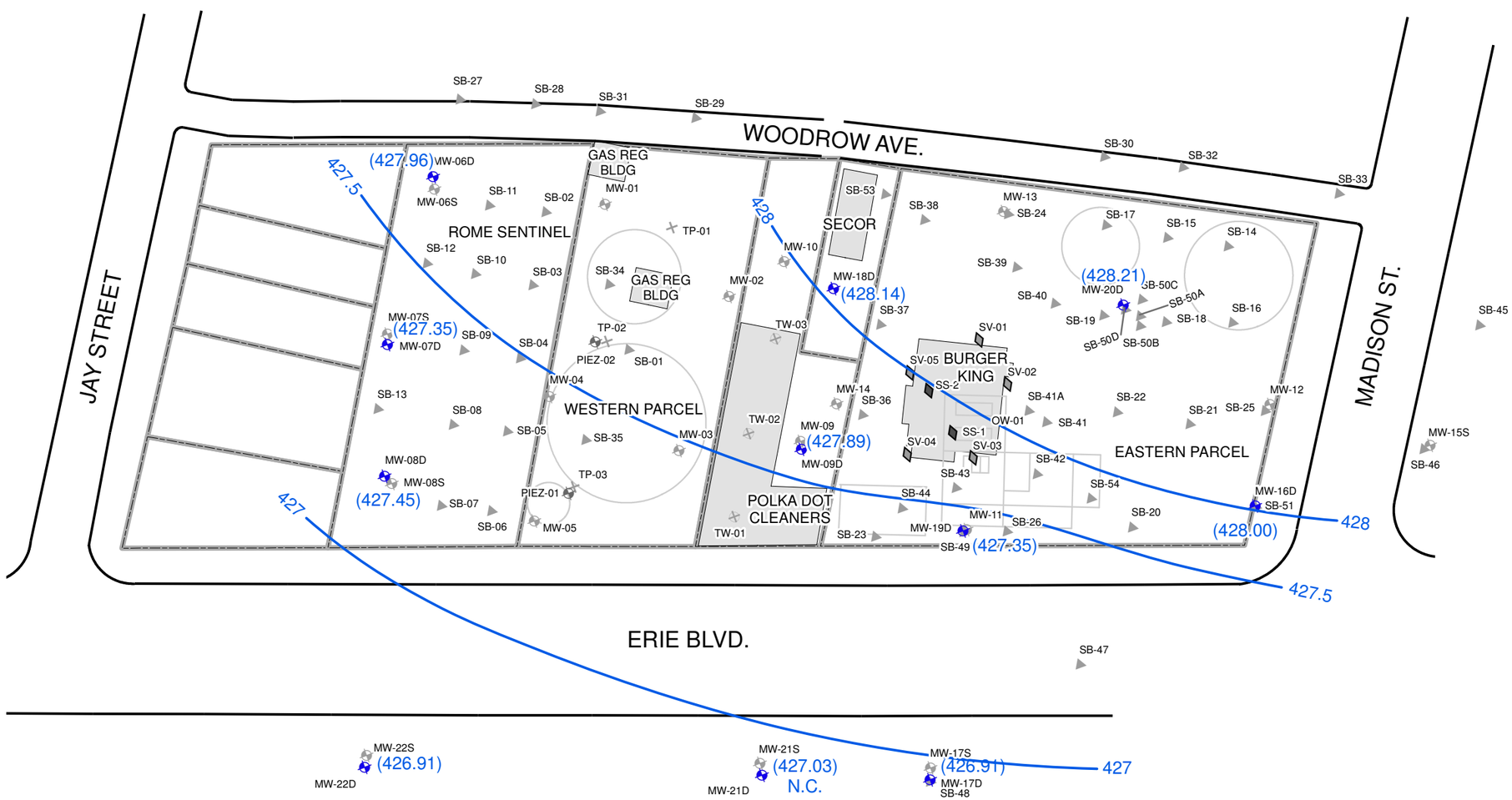
FIGURE 5



LEGEND

- GROUND WATER ELEVATION

LOCATION TYPE

- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- SUB SLAB
- TEST PIT

NOTES:
SEE FOOTNOTES
N.C.: NOT CONTOURED

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

DEEP GROUND WATER ELEVATION CONTOURS (12/04/07)

0 35 70 140
Feet

JANUARY 2009
1118.36670

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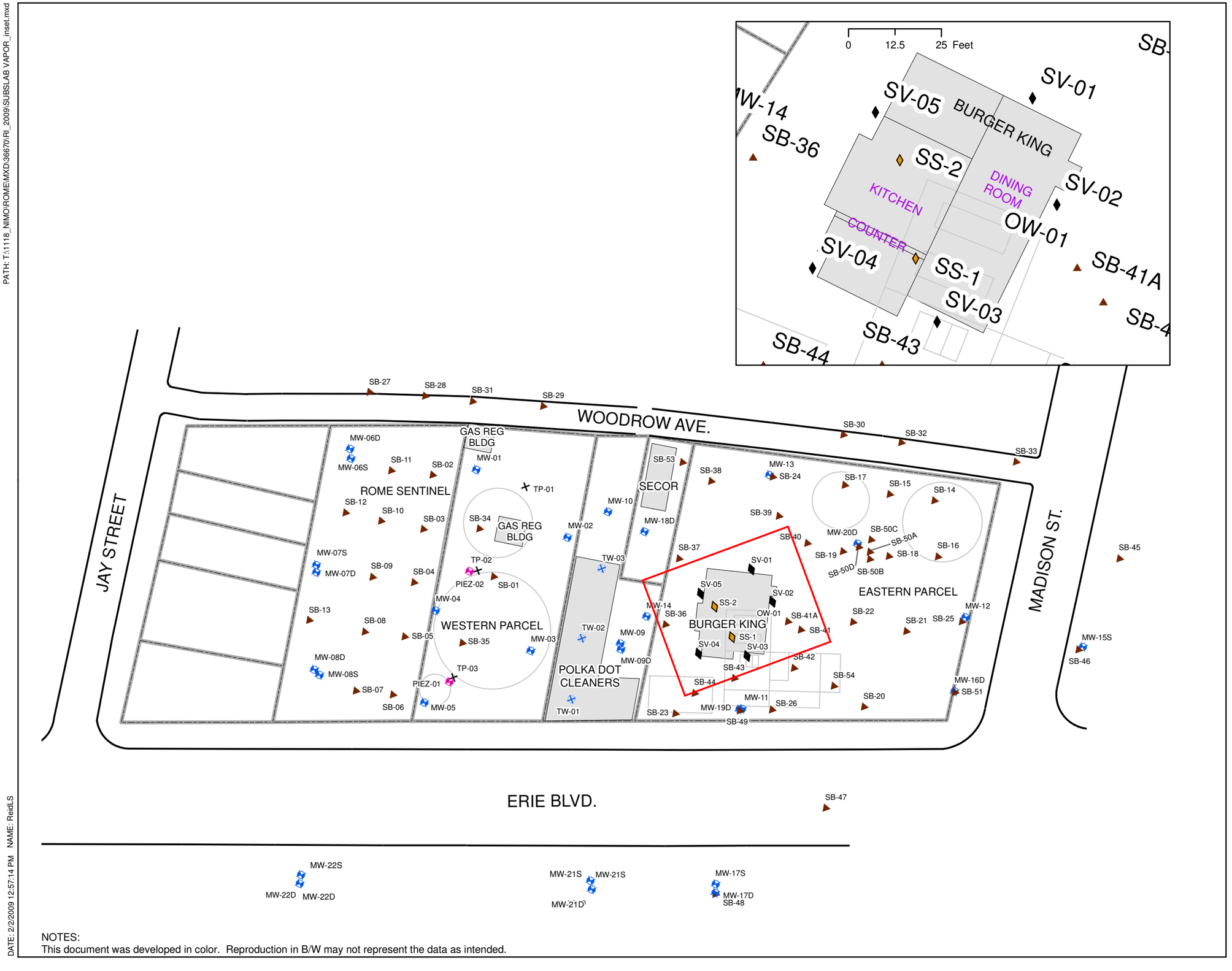
FIGURE 6



LEGEND

SAMPLE POINTS

- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SUB SLAB
- SOIL BORING
- SOIL VAPOR
- TEST PIT

NOTES:
SEE FOOTNOTES

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSLAB AND SOIL VAPOR SAMPLING LOCATIONS

0 35 70 140
Feet

JANUARY 2009
1118.36670

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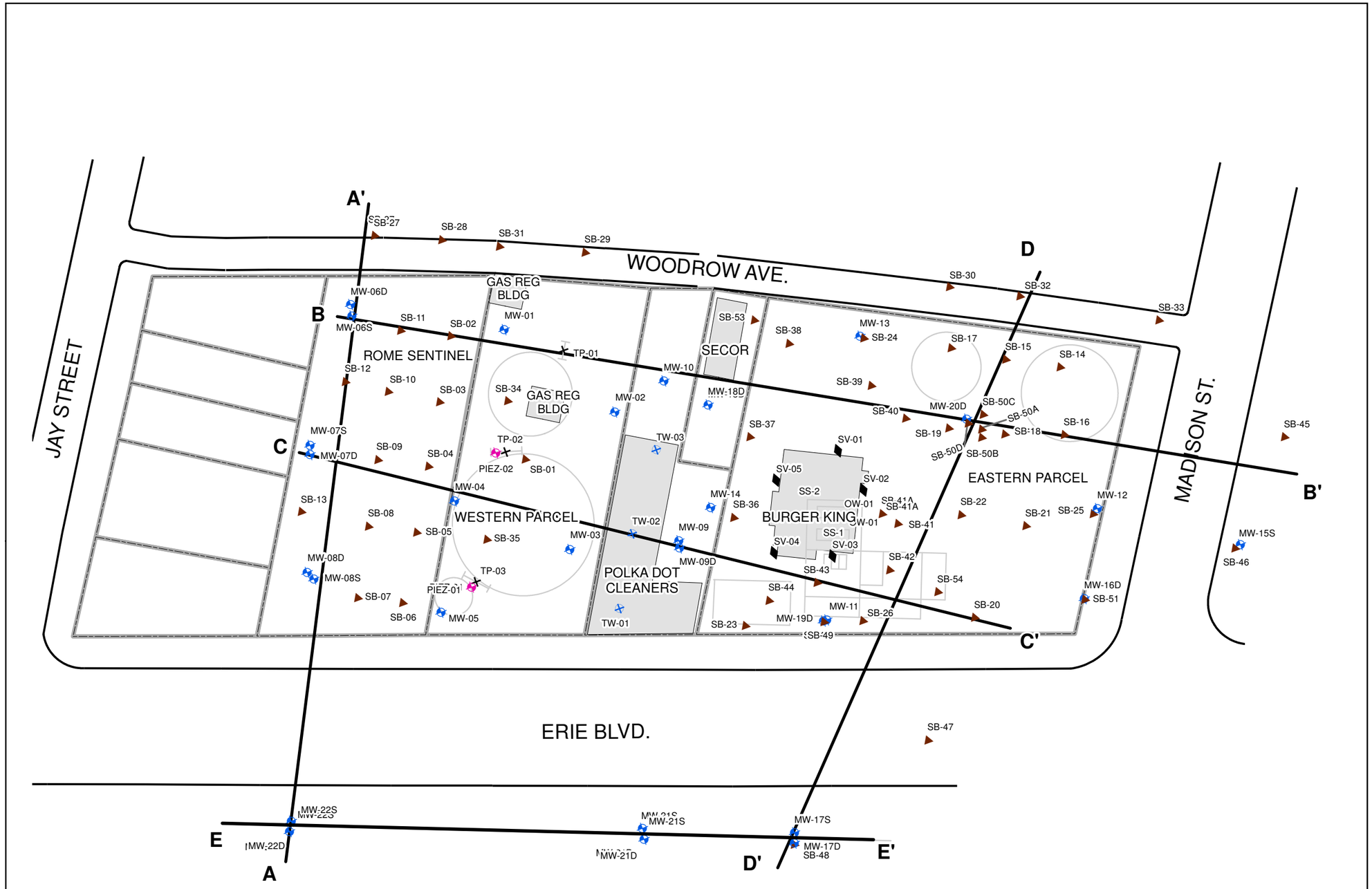
FIGURE 7



NOTES:
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LEGEND

SAMPLE POINTS

- MONITORING WELL
- PIEZOMETER
- TW
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- CROSS SECTION LINE

NOTES:
SEE FOOTNOTES

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

CROSS SECTION LOCATION

0 32.5 65 130
Feet

JANUARY 2009
1118.36670

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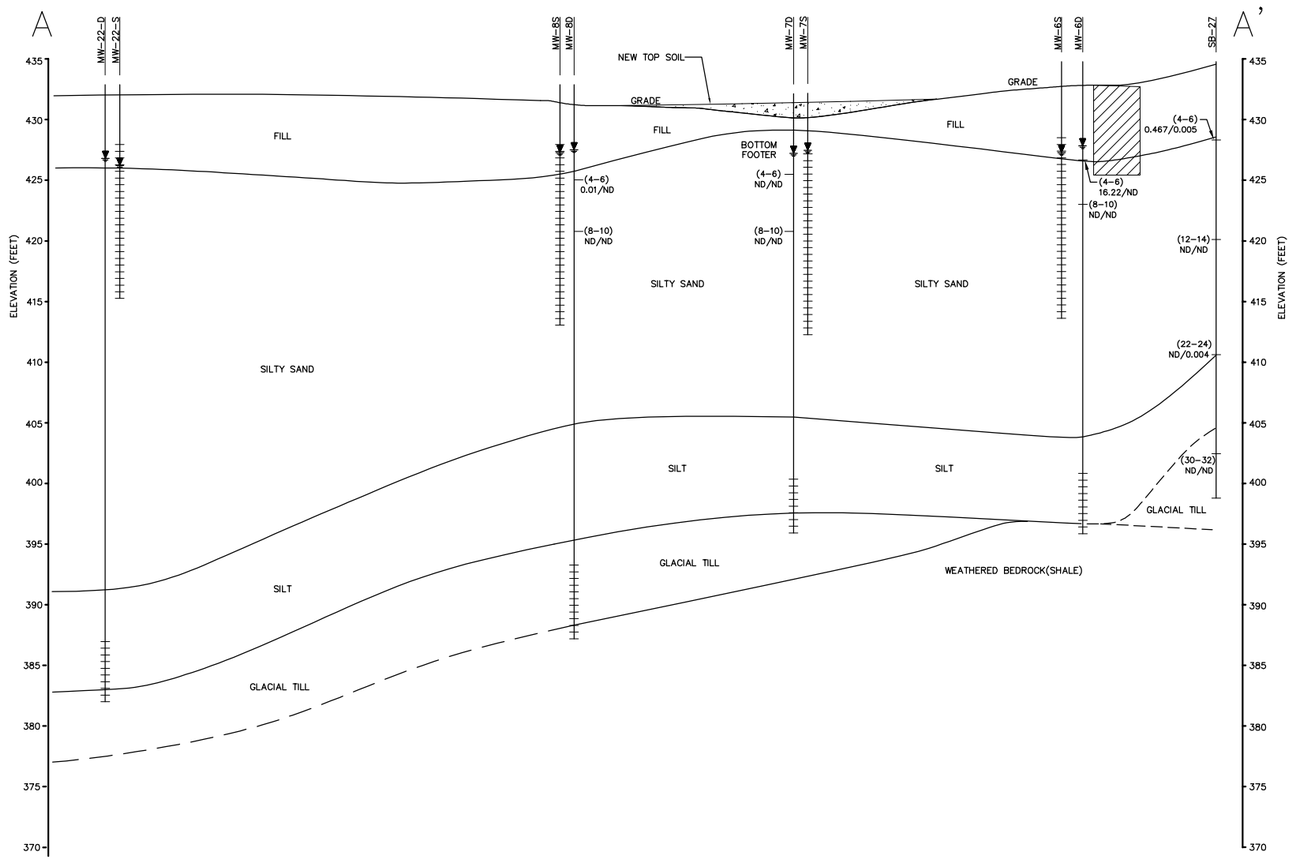
DATE: 1/16/2009 2:13:13 PM NAME: ReidLS



LEGEND

GROUND WATER ELEVATIONS (12/04/07)

EXCAVATION w/CLEAN FILL

MONITORING WELL SCREEN

(DEPTH INTERVAL) TPAHs/TBTEX (ppm)

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

HYDROGEOLOGIC CROSS SECTION A–A'

0 40 80
HORIZONTAL SCALE IN FEET

0 10 20
VERTICAL SCALE IN FEET

JANUARY 2009

FILE NO. 1118.36670

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Jan 16, 2009 - 2:55pm

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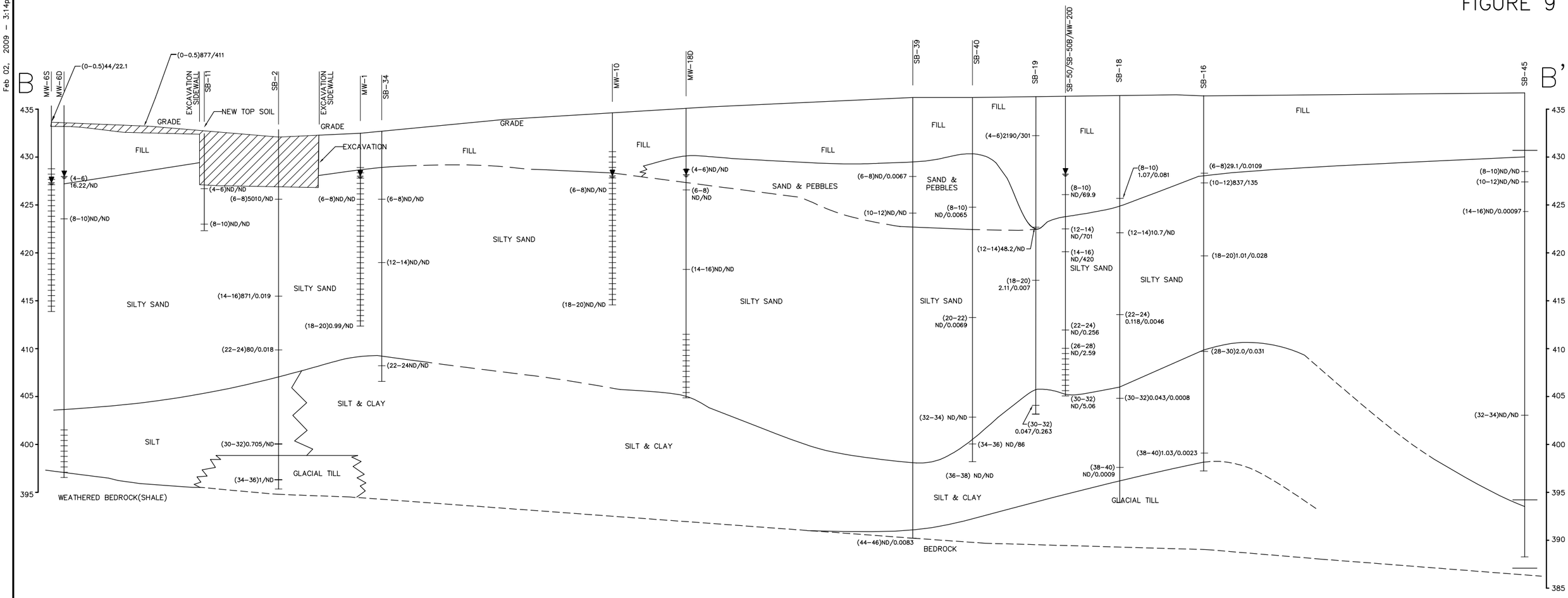
Feb 02, 2009 - 3:14pm

FIGURE 9



LEGEND

GROUND WATER ELEVATIONS (12/4/07)

EXCAVATION w/CLEAN FILL

MONITORING WELL SCREEN

(DEPTH INTERVAL) TPAHs/TBTEX (PPM)

0 40 80
HORIZONTAL SCALE IN FEET

0 10 20
VERTICAL SCALE IN FEET

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

HYDROGEOLOGIC CROSS SECTION B–B'

JANUARY 2009
FILE NO. 1118.36670

O'BRIEN & GERE

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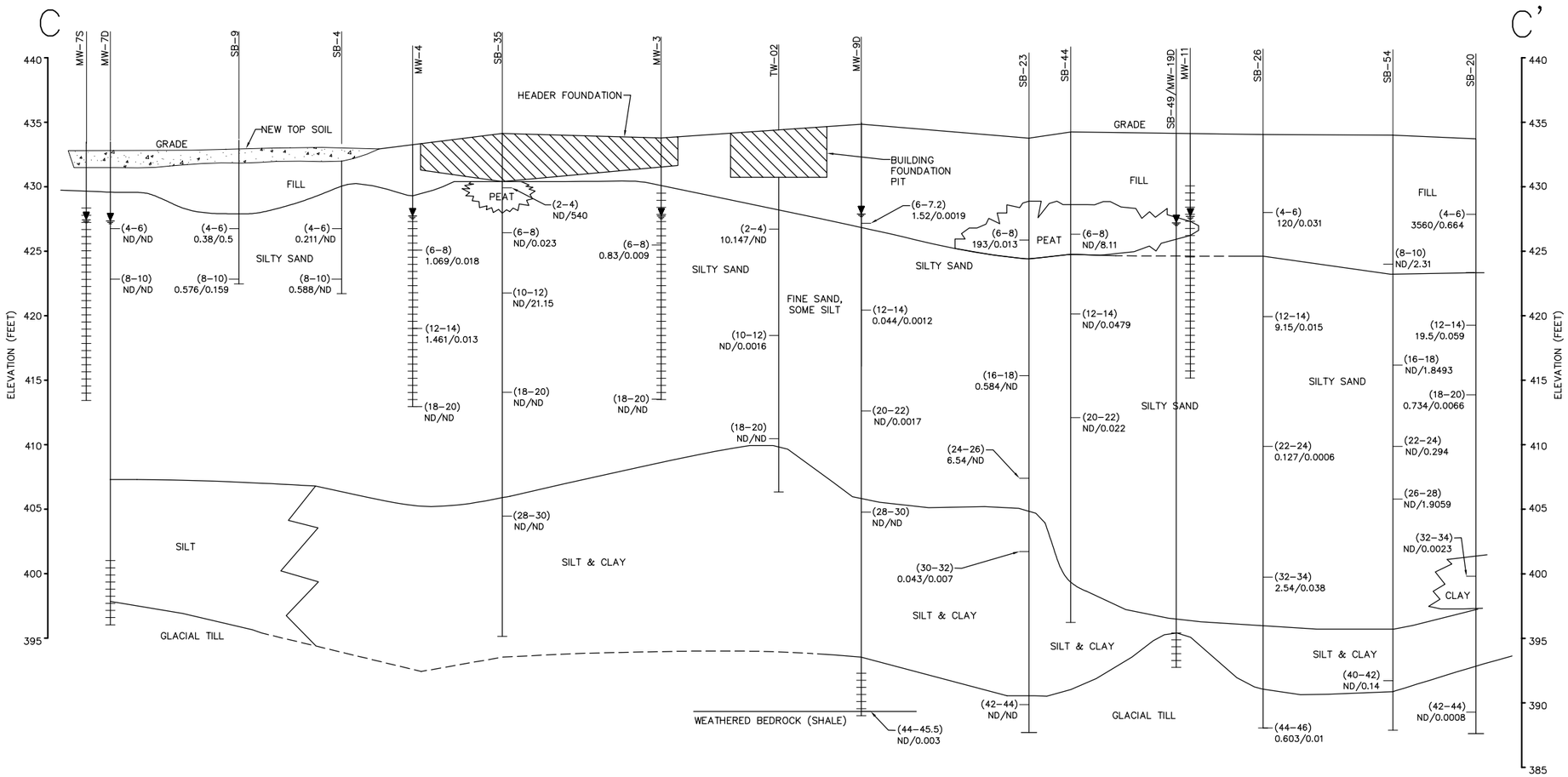
Feb 02, 2009 - 3:15pm

FIGURE 10



LEGEND

GROUND WATER ELEVATIONS (12/4/07)

MONITORING WELL SCREEN

(DEPTH INTERVAL) TPAHs/TBTEX (ppm)

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

HYDROGEOLOGIC CROSS SECTION C–C'

0 40 80
HORIZONTAL SCALE IN FEET

0 10 20
VERTICAL SCALE IN FEET

JANUARY 2009

FILE NO. 1118.36670

O'BRIEN & GERE

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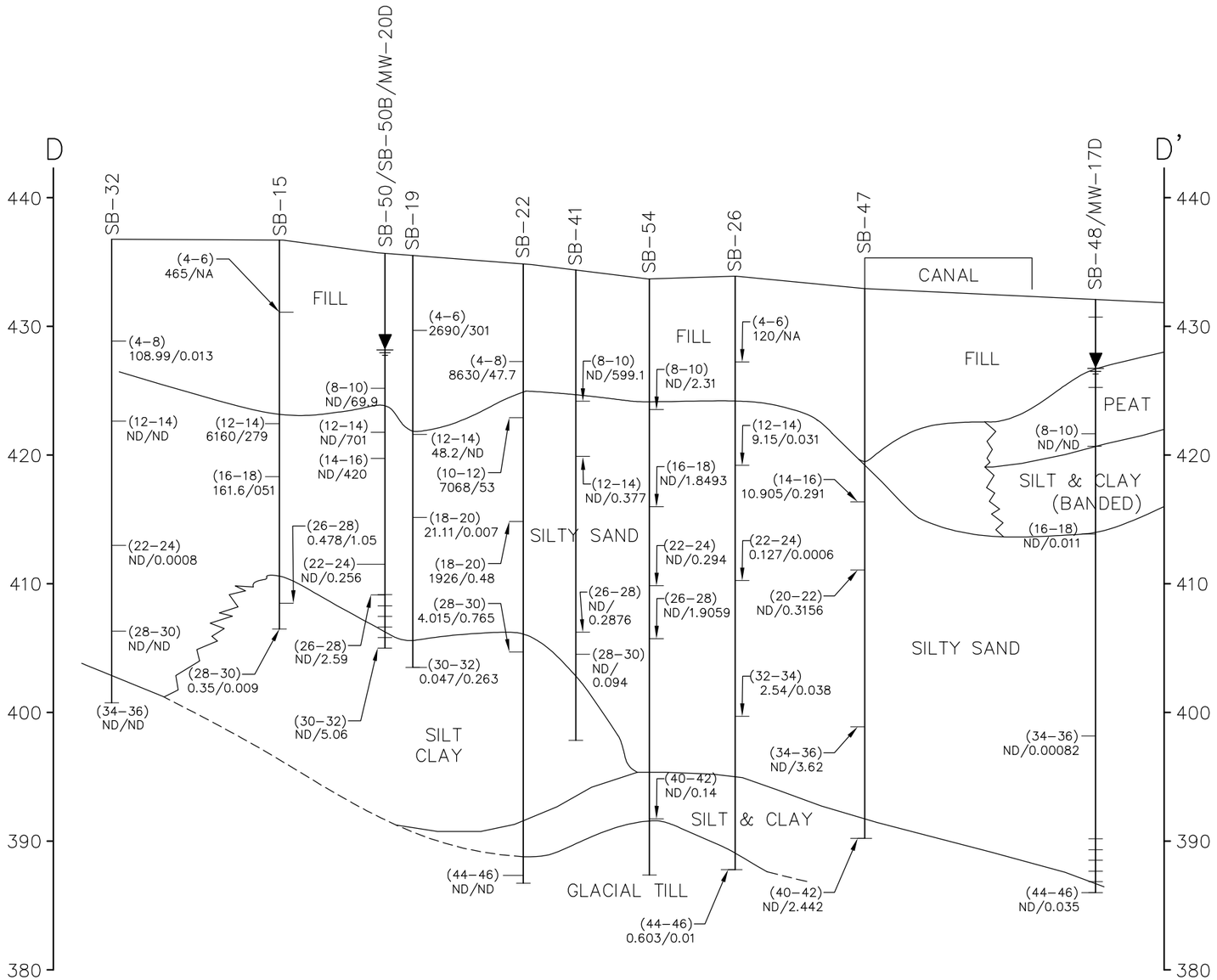
Feb 02, 2009 - 3:15pm

FIGURE 11



LEGEND

- GROUND WATER ELEVATIONS (12/4/07)
- MONITORING WELL SCREEN
- (DEPTH INTERVAL) TPAHs/TBTEX (ppm)

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

HYDROGEOLOGIC CROSS SECTION D–D'

0 50 100
HORIZONTAL SCALE IN FEET

0 10 20
VERTICAL SCALE IN FEET

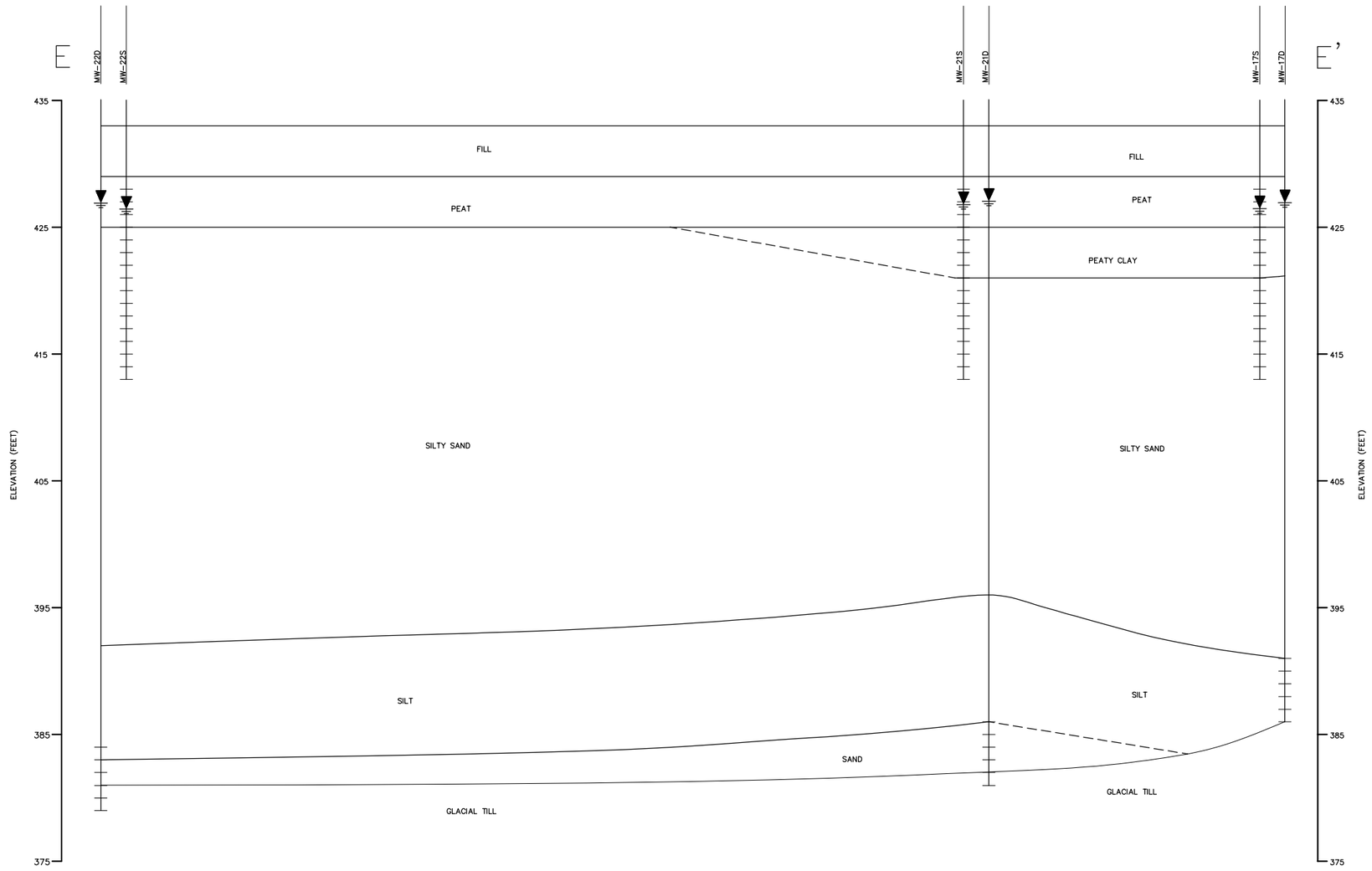
JANUARY 2009
FILE NO. 1118.36670

O'BRIEN & GERE

I:\DIV71\Projects\1118\36670\dwg\36670-009.dwg

Feb 02, 2009 - 3:17pm

FIGURE 12



LEGEND

GROUND WATER ELEVATIONS (12/04/07)

MONITORING WELL SCREEN

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

HYDROGEOLOGIC CROSS SECTION E–E'

0 30 60

HORIZONTAL SCALE IN FEET

0 10 20

VERTICAL SCALE IN FEET

JANUARY 2009

FILE NO. 1118.36670

O'BRIEN & GERE

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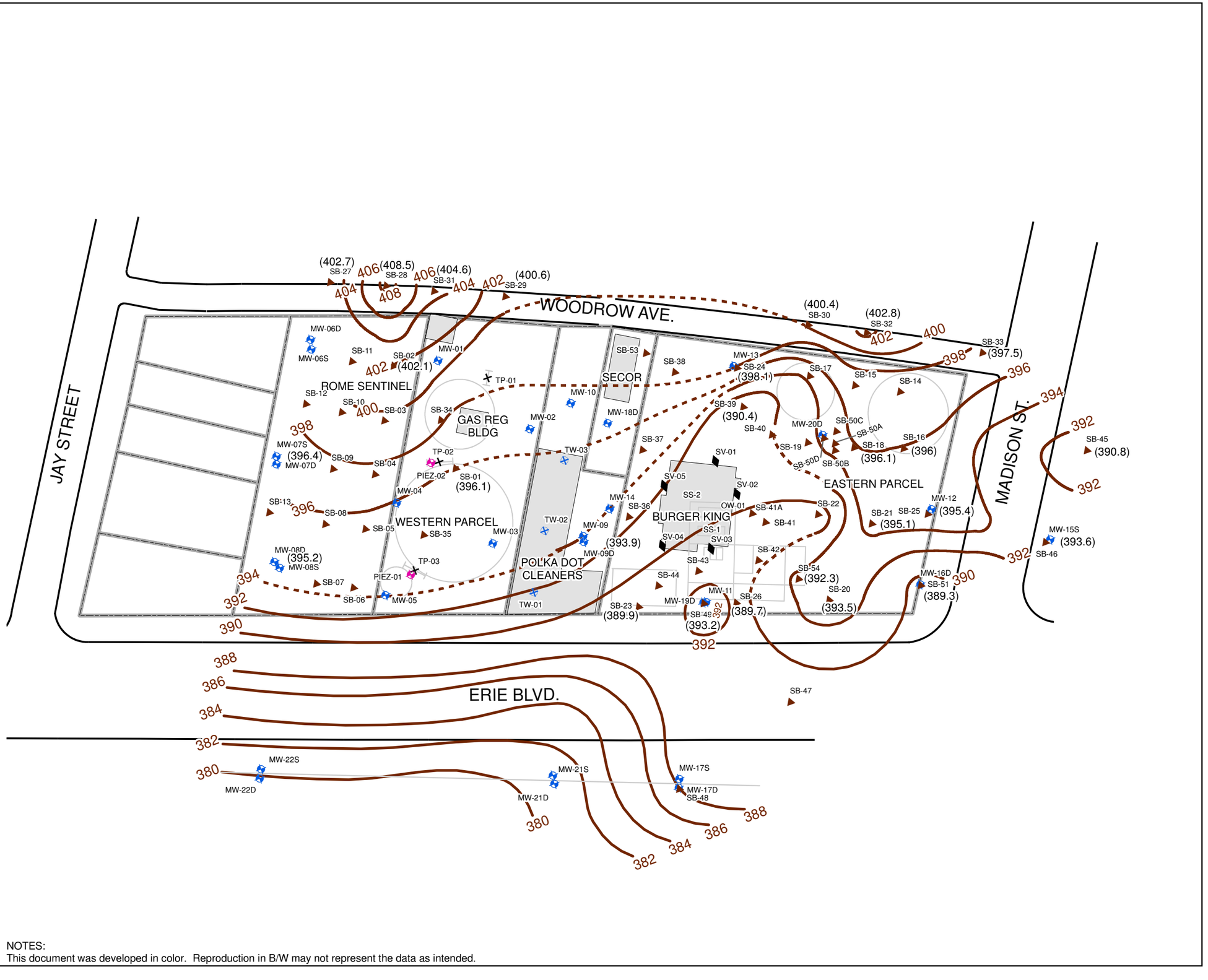
PATH: T:\1118_NIMO\ROME\MXD\36670\RI_2009\top_till_elev.mxd

FIGURE 13



LEGEND

- ELEVATION CONTOUR
- ESTIMATED ELEVATION CONTOUR

SAMPLE POINTS

- MONITORING WELL
- PIEZOMETER
- TW
- SOIL BORING
- SOIL VAPOR
- TEST PIT

NOTES:
SEE FOOTNOTES

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

TOP OF TILL
(FT ELEVATION)

0 35 70 140
Feet

JANUARY 2009
1118.36670

O'BRIEN & GERE

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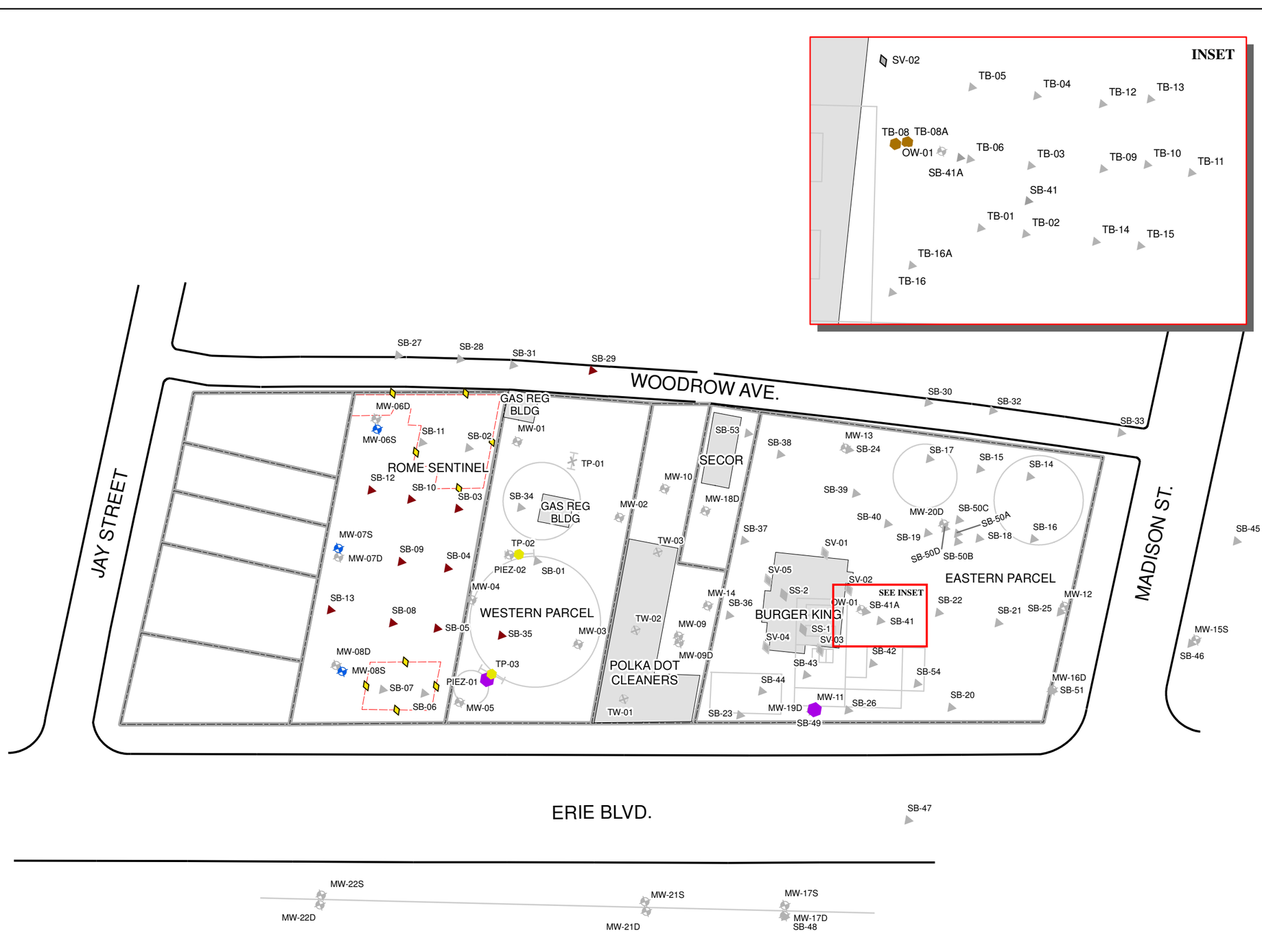
NAME: RedLS

DATE: 1/16/2009 2:31:11 PM

I:\National-Grid.1118\36670.Rome-Remedial-Itdwg\MXD\RI_Updated_2009\soil_0-4.mxd

FIGURE 14



LEGEND

- PAHs >= 500 PPM
- BTEX > PART 375 RESTRICTED
- STAIN or SHEEN OBSERVED
- TAR OBSERVED
- NAPL OBSERVED

LOCATION TYPE

- GRAYED SYMBOLS HAVE NO ANALYTICAL DATA FOR DEPTH INTERVAL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- TAR BORING
- EXCAVATION VERIFICATION SAMPLE
- SUBSURFACE EXCAVATIONS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS 0-4 FT INTERVAL

0 35 70 140
Feet

NOVEMBER 2009
1118.36670

O'BRIEN & GERE

NOTES:
Color sample locations indicate analytical data are available for this interval.
When both NAPL and staining are present, only NAPL is shown on map.
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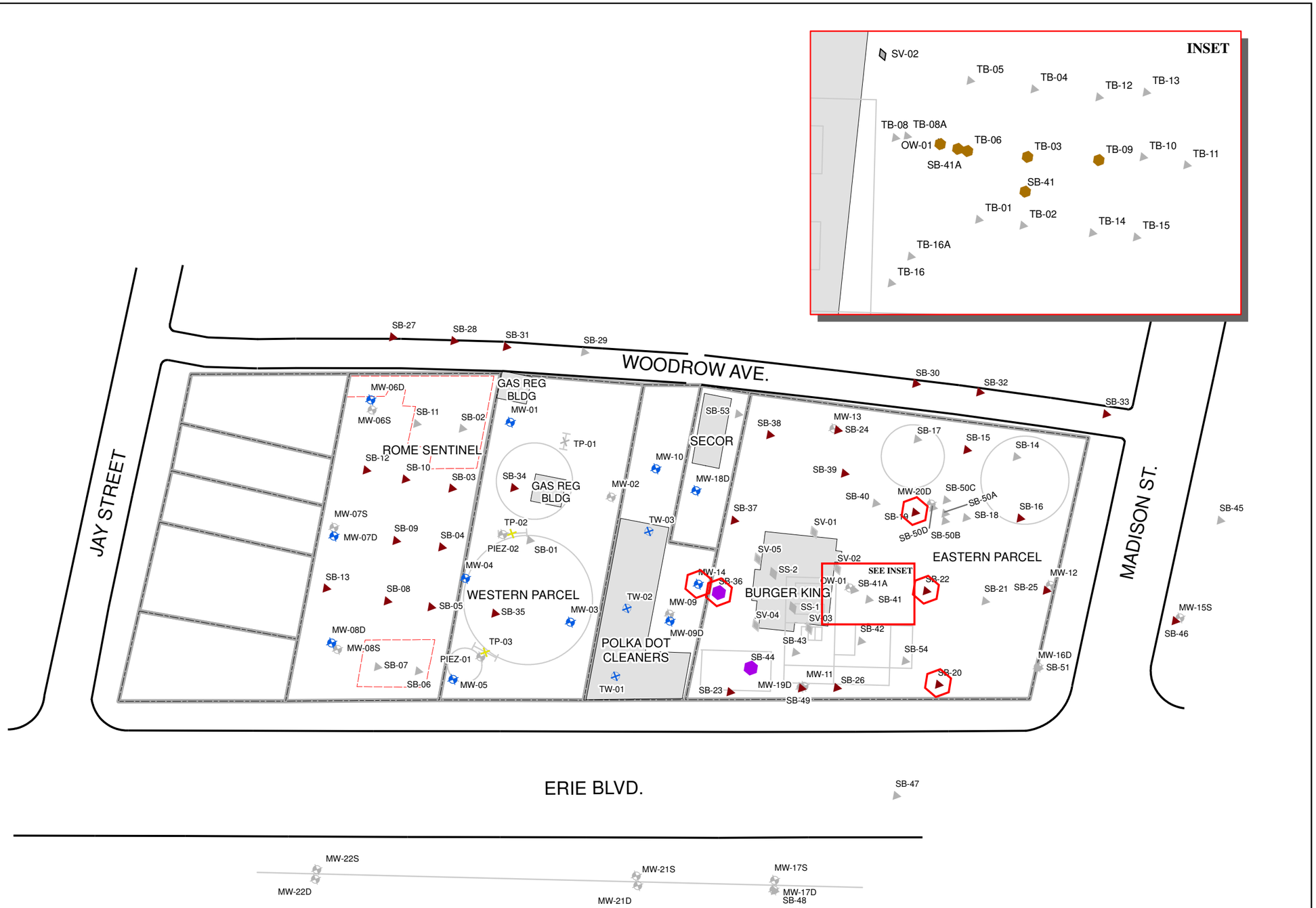
NAME: NewtonJM
DATE: 11/20/2009 7:39:47 AM

I:\National-Grid.1118\36670.Rome-Remedial-I\dwg\MXD\RI_Updated_2009\soil_4-8.mxd



NOTES:
Color sample locations indicate analytical data are available for this interval.
When both NAPL and staining are present, only NAPL is shown on map.
This document was developed in color. Reproduction in B/W may not represent the data as intended.

FIGURE 15

N

LEGEND

- PAHs >= 500 PPM
- BTEX > PART 375 RESTRICTED
- STAIN or SHEEN OBSERVED
- TAR OBSERVED
- NAPL OBSERVED

LOCATION TYPE

- GRAYED SYMBOLS HAVE NO ANALYTICAL DATA FOR DEPTH INTERVAL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- TAR BORING
- SUBSURFACE EXCAVATIONS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS 4-8 FT INTERVAL

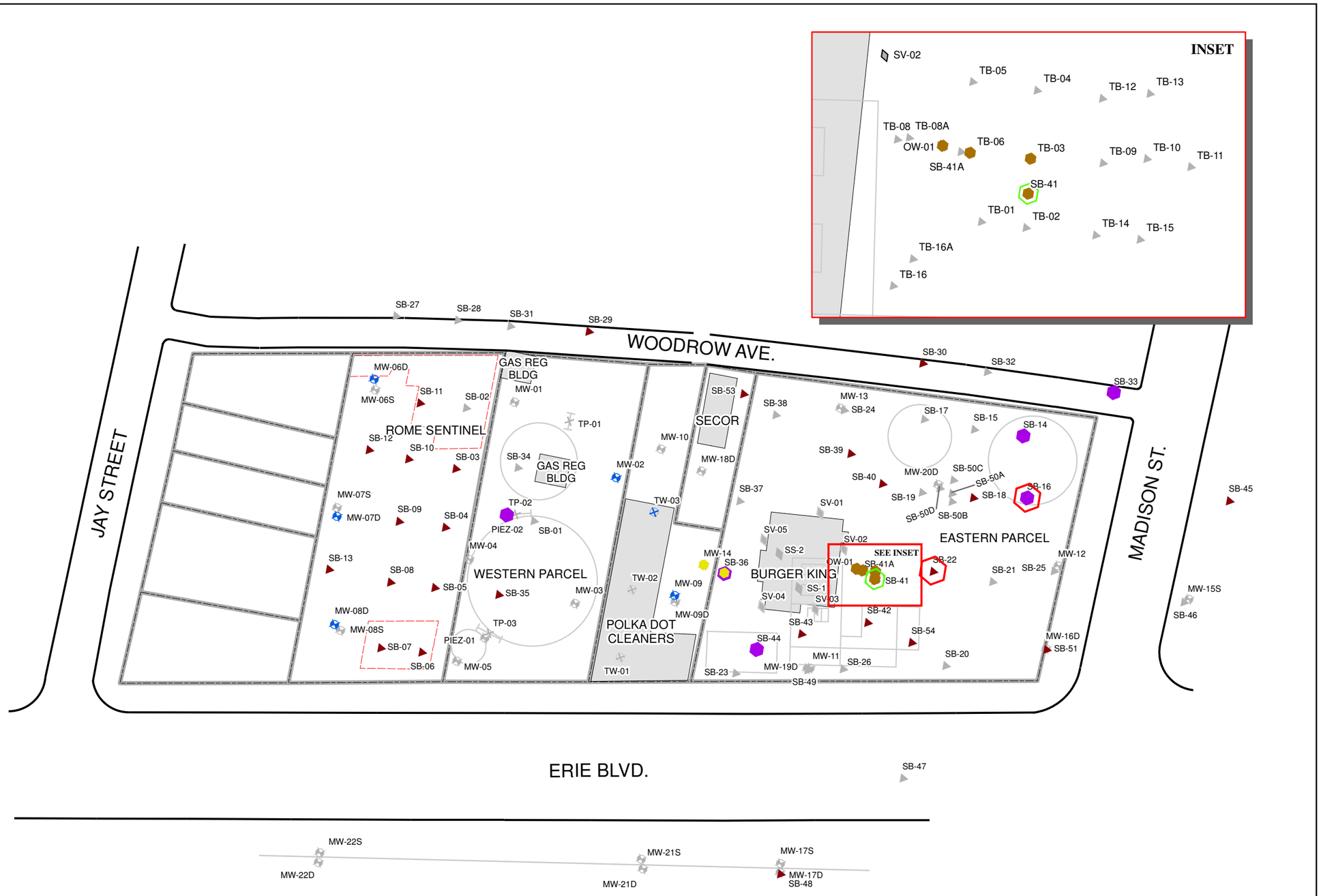
0 35 70 140
Feet

NOVEMBER 2009
1118.36670

O'BRIEN & GERE

NAME: NewtonJM
DATE: 11/20/2009 8:01:04 AM

I:\National-Grid.1118\36670.Rome-Remedial-I\dwg\MXD\RI_Updated_2009\soil_8-12.mxd



NOTES:
Color sample locations indicate analytical data are available for this interval.
When both NAPL and staining are present, only NAPL is shown on map.
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FIGURE 16

LEGEND

- PAHs >= 500 PPM
- BTEX > PART 375 RESTRICTED
- STAIN or SHEEN OBSERVED
- TAR OBSERVED
- NAPL OBSERVED

LOCATION TYPE

- GRAYED SYMBOLS HAVE NO ANALYTICAL DATA FOR DEPTH INTERVAL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- TAR BORING
- SUBSURFACE EXCAVATIONS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS 8-12 FT INTERVAL

0 35 70 140
Feet

NOVEMBER 2009
1118.36670

O'BRIEN & GERE

NAME: ReidLS
DATE: 11/17/2009 8:03:03 PM

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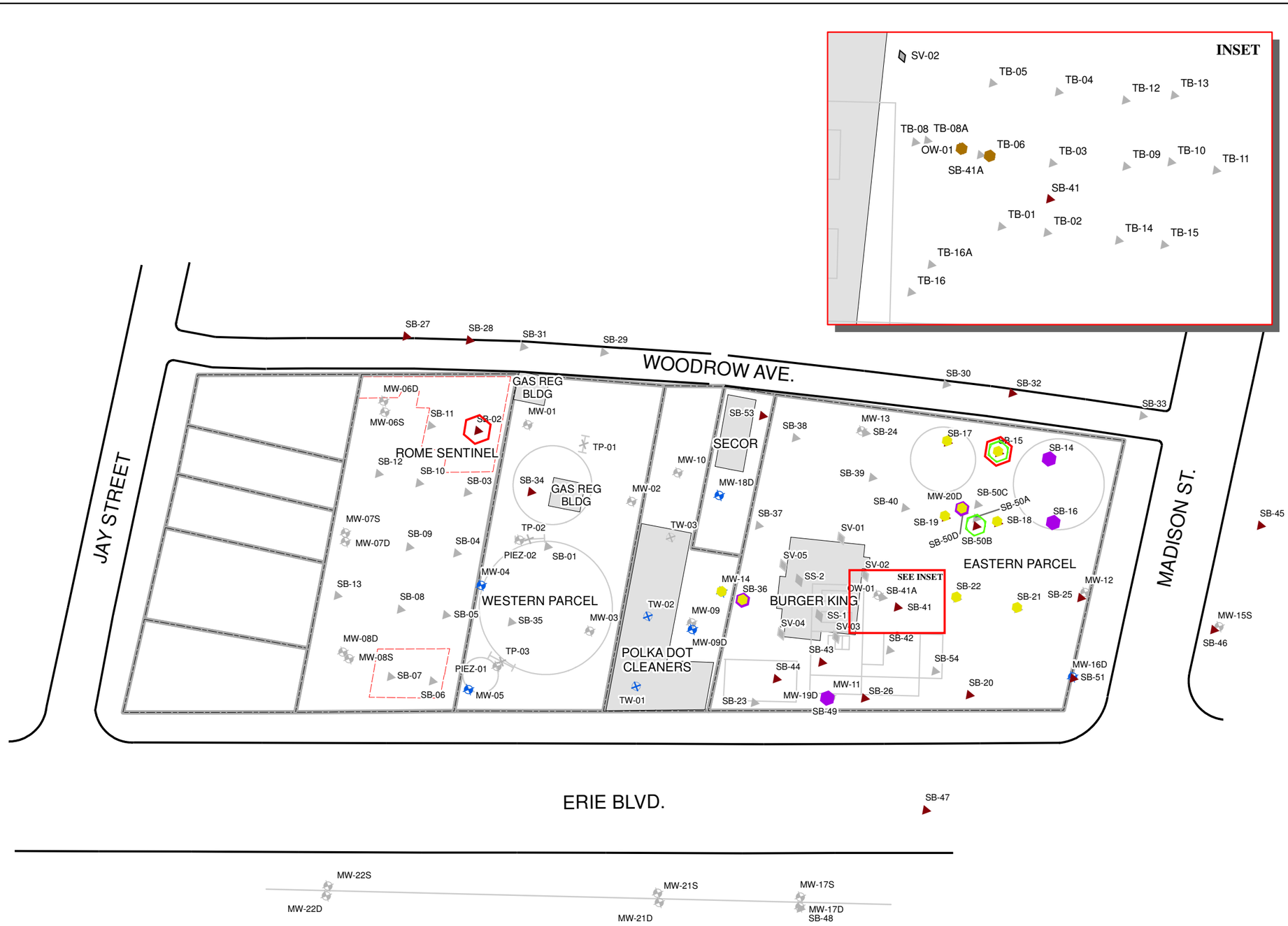
FIGURE 17



LEGEND

- PAHs >= 500 PPM
- BTEX > PART 375 RESTRICTED
- STAIN or SHEEN OBSERVED
- TAR OBSERVED
- NAPL OBSERVED

LOCATION TYPE

- GRAYED SYMBOLS HAVE NO ANALYTICAL DATA FOR DEPTH INTERVAL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- TAR BORING
- SUBSURFACE EXCAVATIONS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS 12-16 FT INTERVAL

0 35 70 140
Feet

NOVEMBER 2009
1118.36670

O'BRIEN & GERE

NOTES:
Color sample locations indicate analytical data are available for this interval.
When both NAPL and staining are present, only NAPL is shown on map.
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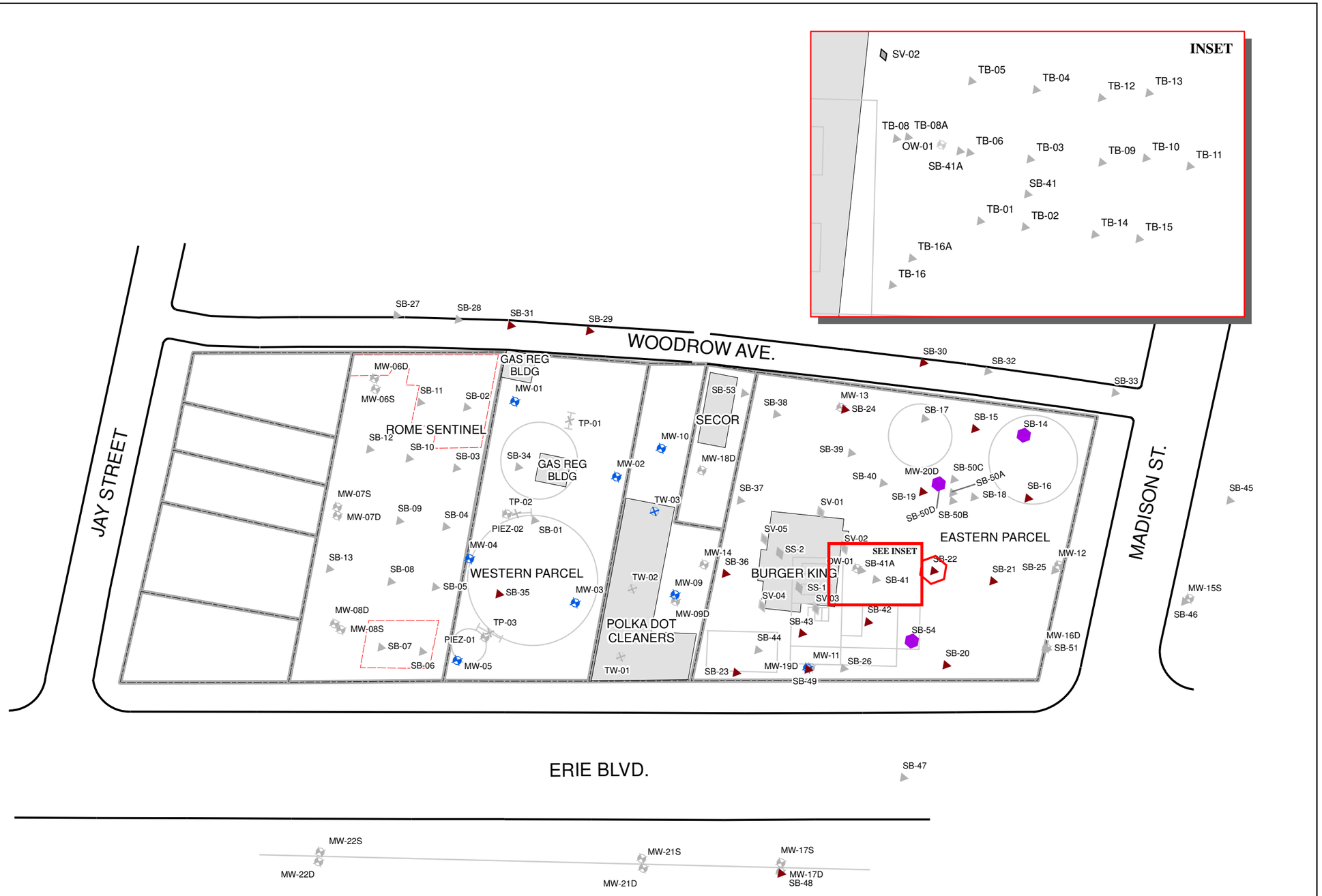
NAME: ReidLS
DATE: 11/17/2009 8:25:58 PM

PATH: I:\National-Grid.1118\36670.Rome-Remedial-Itdwg\MXD\RI_Updated_2009\soil_16-20.mxd

NAME: NewtonJM

DATE: 11/19/2009 9:57:01 AM



NOTES:

Color sample locations indicate analytical data are available for this interval.
When both NAPL and staining are present, only NAPL is shown on map.
This document was developed in color. Reproduction in B/W may not represent the data as intended.

FIGURE 18

LEGEND

- PAHs >= 500 PPM
- BTEX > PART 375 RESTRICTED
- STAIN or SHEEN OBSERVED
- TAR OBSERVED
- NAPL OBSERVED

LOCATION TYPE

- GRAYED SYMBOLS HAVE NO ANALYTICAL DATA FOR DEPTH INTERVAL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- TAR BORING
- SUBSURFACE EXCAVATIONS

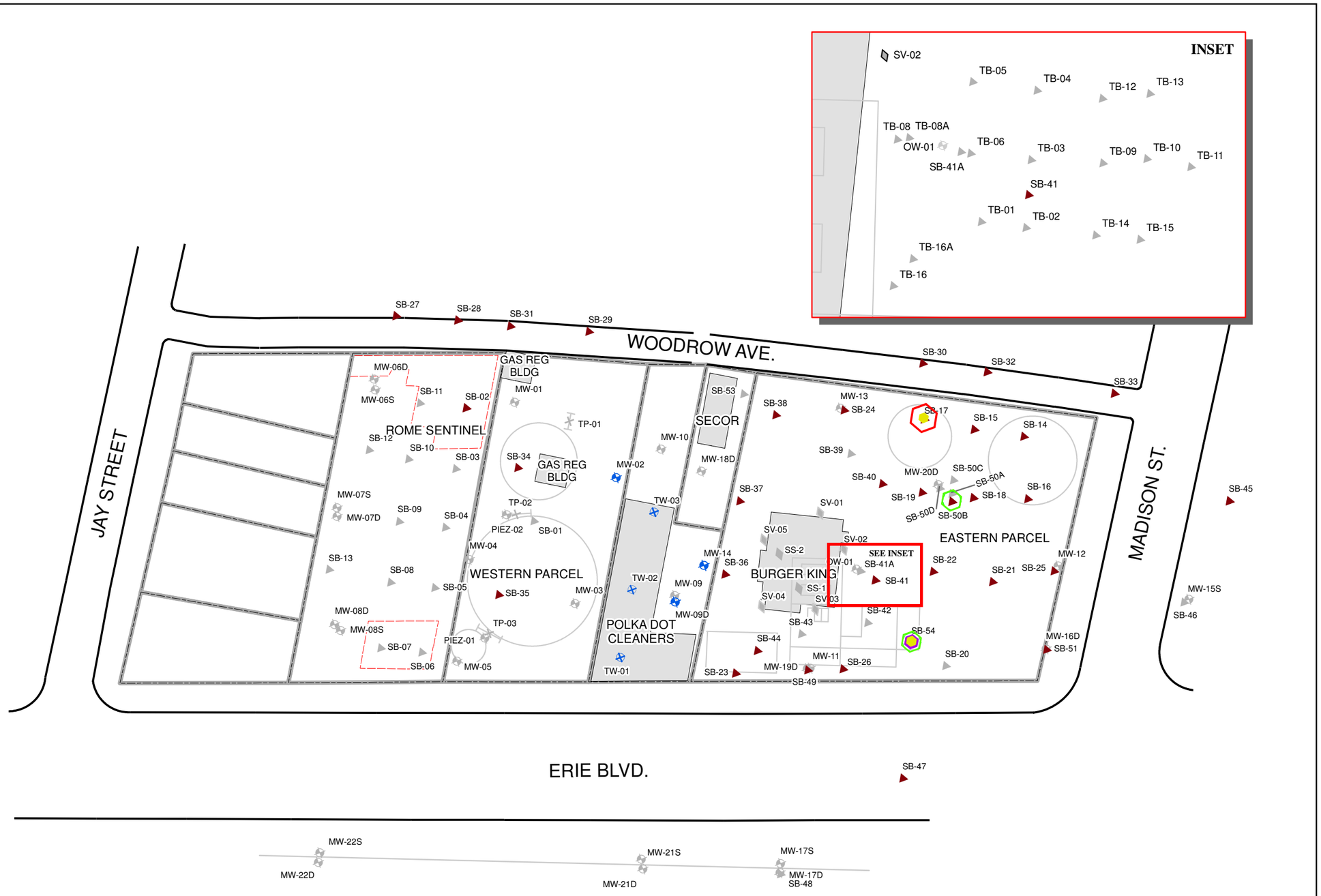
NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS 16-20FT INTERVAL

0 35 70 140
Feet

NOVEMBER 2009
1118.36670

O'BRIEN & GERE



NOTES:
Color sample locations indicate analytical data are available for this interval.
When both NAPL and staining are present, only NAPL is shown on map.
This document was developed in color. Reproduction in B/W may not represent the data as intended.

FIGURE 19

LEGEND

- PAHs >= 500 PPM
- BTEX > PART 375 RESTRICTED
- STAIN or SHEEN OBSERVED
- TAR OBSERVED
- NAPL OBSERVED

LOCATION TYPE

- GRAYED SYMBOLS HAVE NO ANALYTICAL DATA FOR DEPTH INTERVAL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- TAR BORING
- SUBSURFACE EXCAVATIONS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS 20-30FT INTERVAL

0 35 70 140
Feet

NOVEMBER 2009
1118.36670

O'BRIEN & GERE

PATH: I:\National-Grid.1118\36670.Rome-Remedial-fdwg\MXD\RI_Updated_2009\soil_30-40.mxd

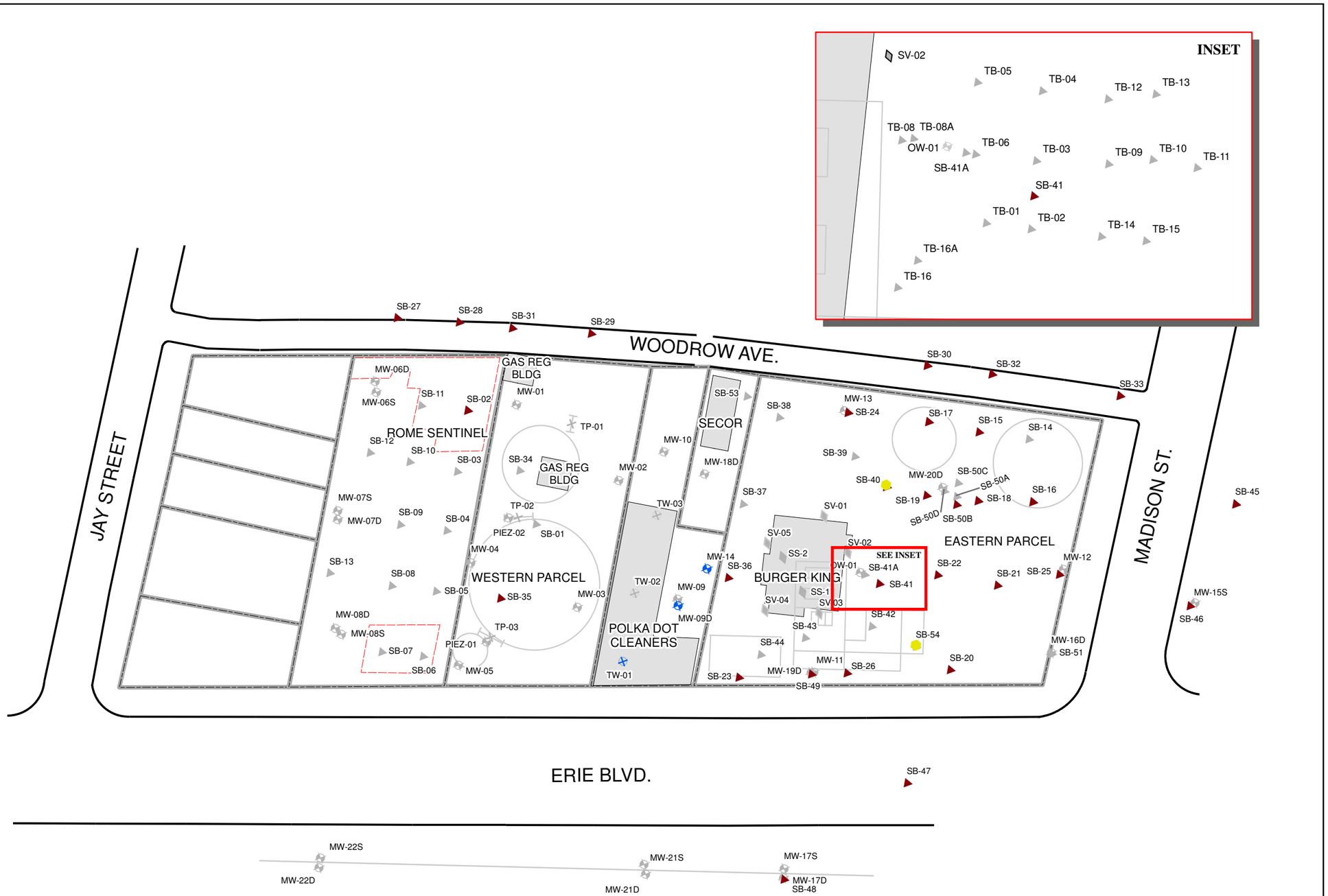


FIGURE 20

LEGEND

- PAHs >= 500 PPM
- BTEX > PART 375 RESTRICTED
- STAIN or SHEEN OBSERVED
- TAR OBSERVED
- NAPL OBSERVED

LOCATION TYPE

- GRAYED SYMBOLS HAVE NO ANALYTICAL DATA FOR DEPTH INTERVAL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- TAR BORING
- SUBSURFACE EXCAVATIONS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS 30-40FT INTERVAL

0 35 70 140
Feet

NOVEMBER 2009
1118.36670

O'BRIEN & GERE

NOTES:
Color sample locations indicate analytical data are available for this interval.
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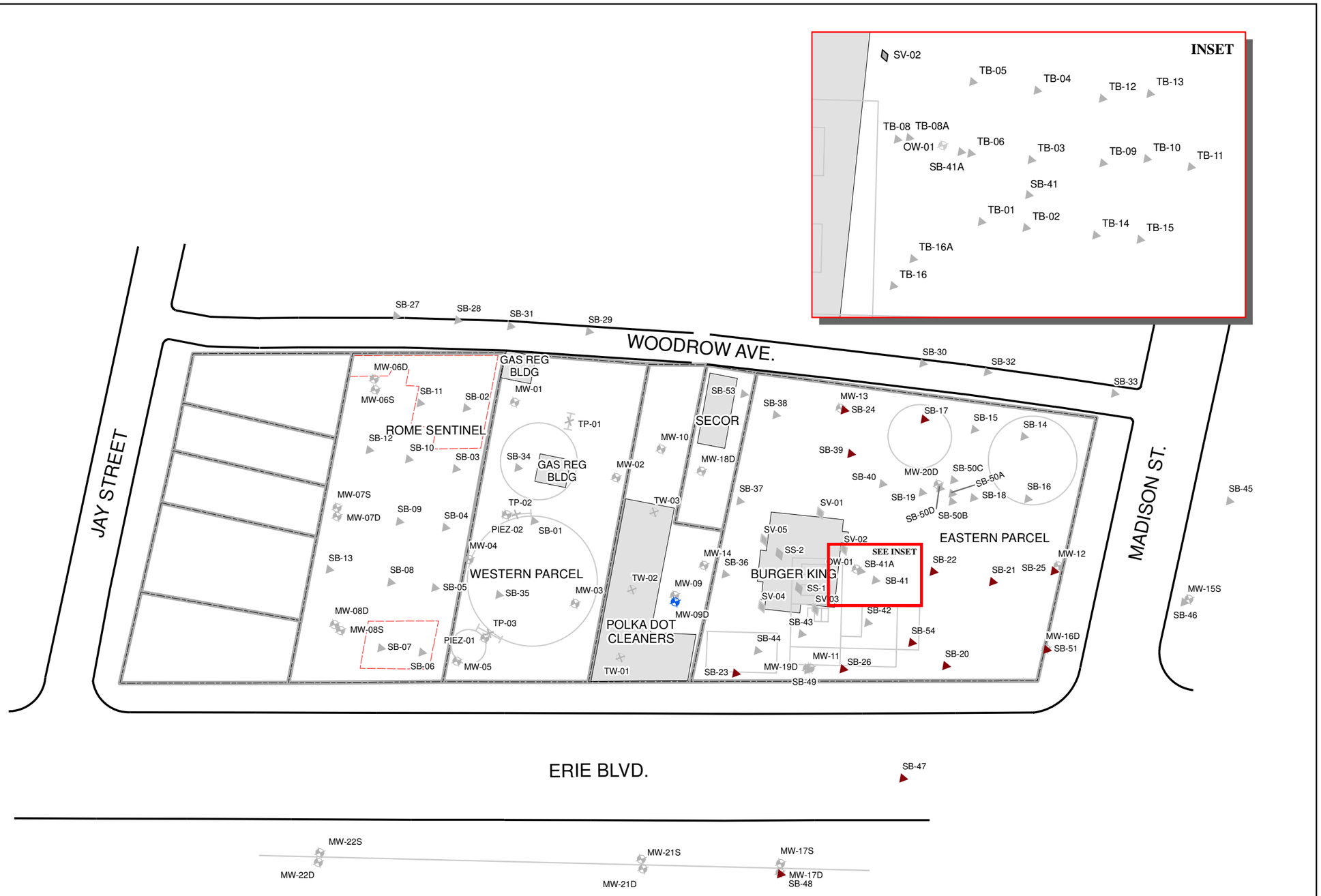
NAME: NewtonJM
DATE: 11/19/2009 10:35:02 AM



NOTES:
Color sample locations indicate analytical data are available for this interval.
When both NAPL and staining are present, only NAPL is shown on map.
This document was developed in color. Reproduction in B/W may not represent the data as intended.

FIGURE 21

LEGEND

- PAHs >= 500 PPM
- BTEX > PART 375 RESTRICTED
- STAIN or SHEEN OBSERVED
- TAR OBSERVED
- NAPL OBSERVED

LOCATION TYPE

- GRAYED SYMBOLS HAVE NO ANALYTICAL DATA FOR DEPTH INTERVAL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- SOIL BORING
- SOIL VAPOR
- TEST PIT
- TAR BORING
- SUBSURFACE EXCAVATIONS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS 40-48FT INTERVAL

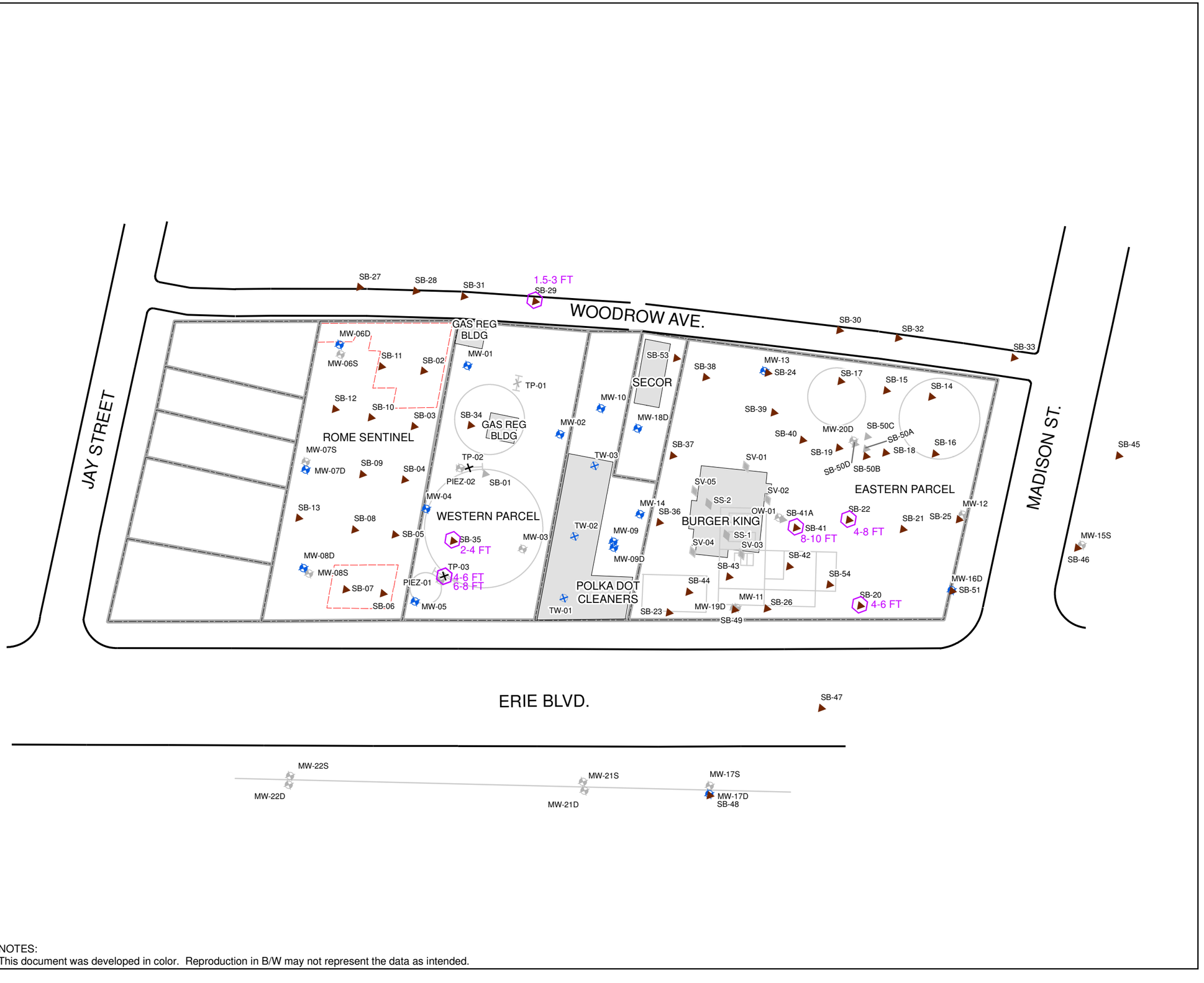
0 35 70 140
Feet

NOVEMBER 2009
1118.36670

O'BRIEN & GERE

PATH: I:\National-Grid.1118\36670.Rome-Remedial-I\dwg\MXD\RI_Updated_2009\Cyanide_Soil.mxd

FIGURE 22



LEGEND

- CYANIDE > PART 375 RESTRICTED

SAMPLED LOCATIONS

- MONITORING WELL
- PIEZOMETER
- TEST WELL
- SOIL BORING
- TEST PIT
- SUBSURFACE EXCAVATIONS
- 4-6 FT INTERVAL OF CYANIDE ABOVE PART 375

NOTES:
SEE FOOTNOTES

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SUBSURFACE SOIL RESULTS CYANIDE

0 35 70 140
Feet

JANUARY 2009
1118.36670

O'BRIEN & GERE

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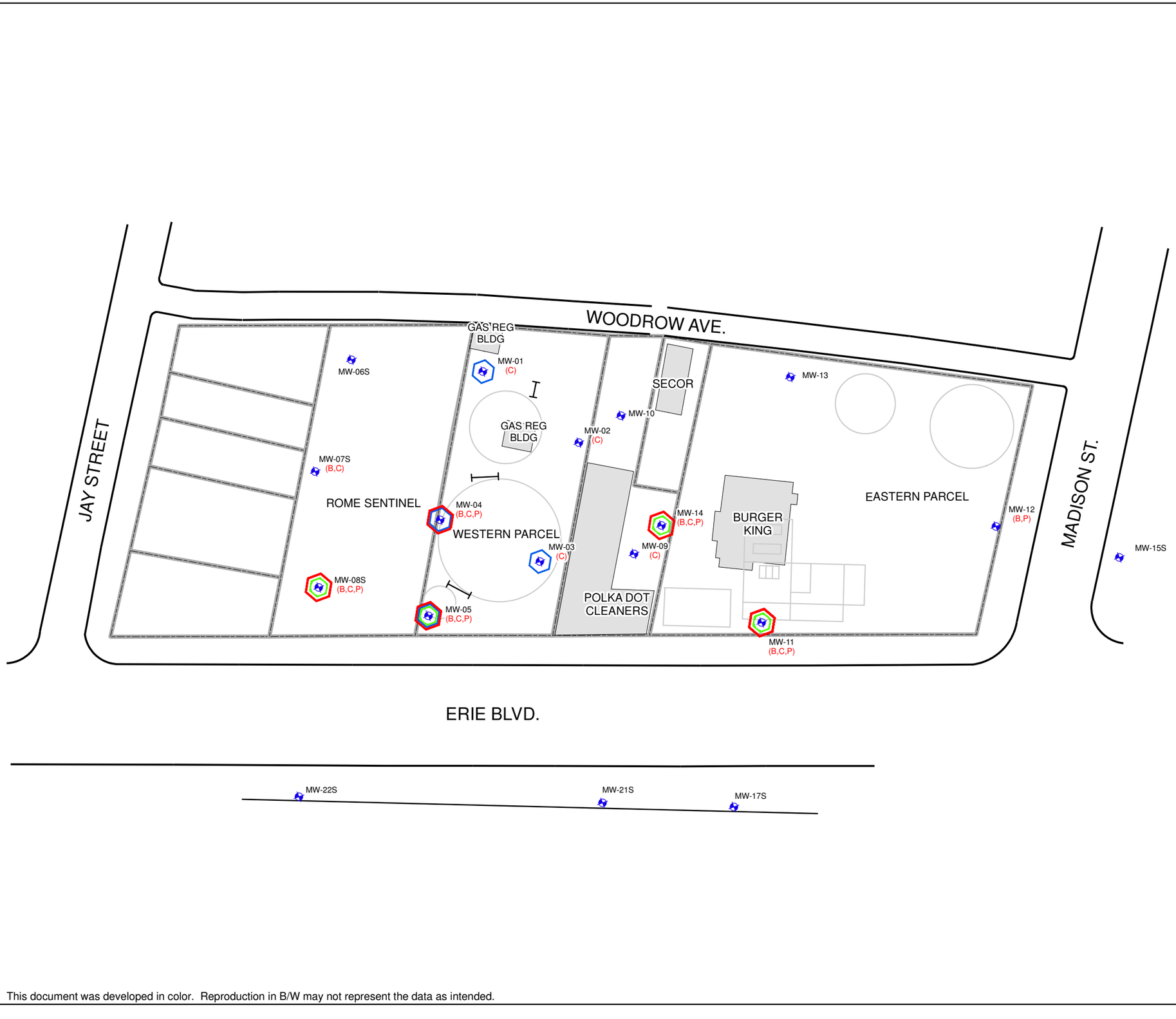
NAME: NewtonJM
DATE: 11/17/2009 3:52:13 PM

PATH: I:\National-Grid.1118\36670.Rome-Remedial-II\dwg\MXD\RI_Updated_2009\GW_2007_Results_Shallow.mxd

FIGURE 23



LEGEND

- MONITORING WELL
- BTEX >= TOGS
- CYANIDE >= TOGS
- PAHs >= TOGS

(B) - BTEX DETECTED BELOW TOGS
(C) - CYANIDE DETECTED BELOW TOGS
(P) - PAHs DETECTED BELOW TOGS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

SHALLOW GROUND WATER 2007 RESULTS

0 35 70 140
Feet

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1118.36670

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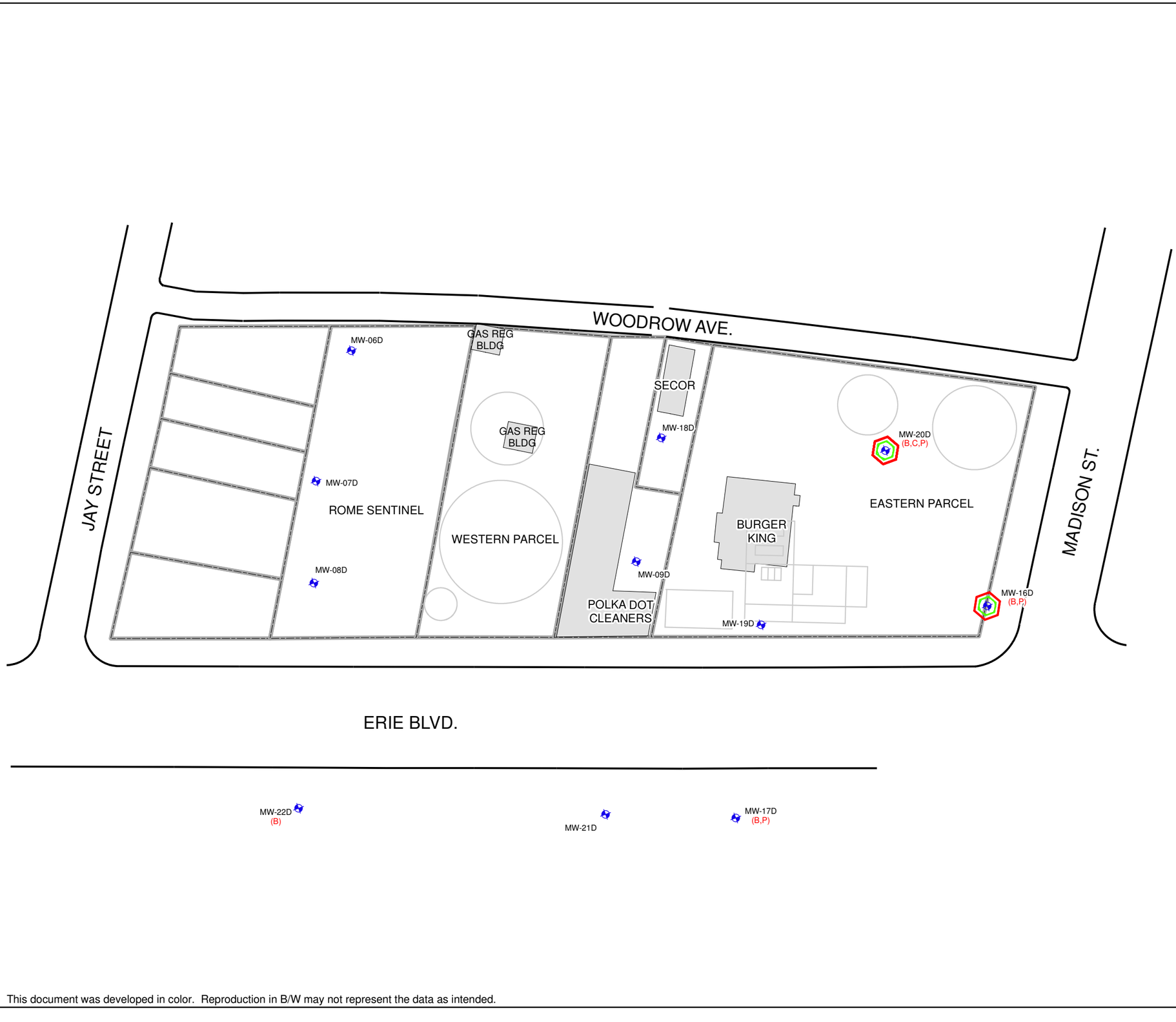
NAME: tuckersm
DATE: 11/18/2009 5:29:52 PM

FIGURE 24



LEGEND

- MONITORING WELL
- BTEX >= TOGS
- CYANIDE >= TOGS
- PAHs >= TOGS

(B) - BTEX DETECTED BELOW TOGS
(C) - CYANIDE DETECTED BELOW TOGS
(P) - PAHs DETECTED BELOW TOGS

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

DEEP GROUND WATER 2007 RESULTS

0 35 70 140
Feet

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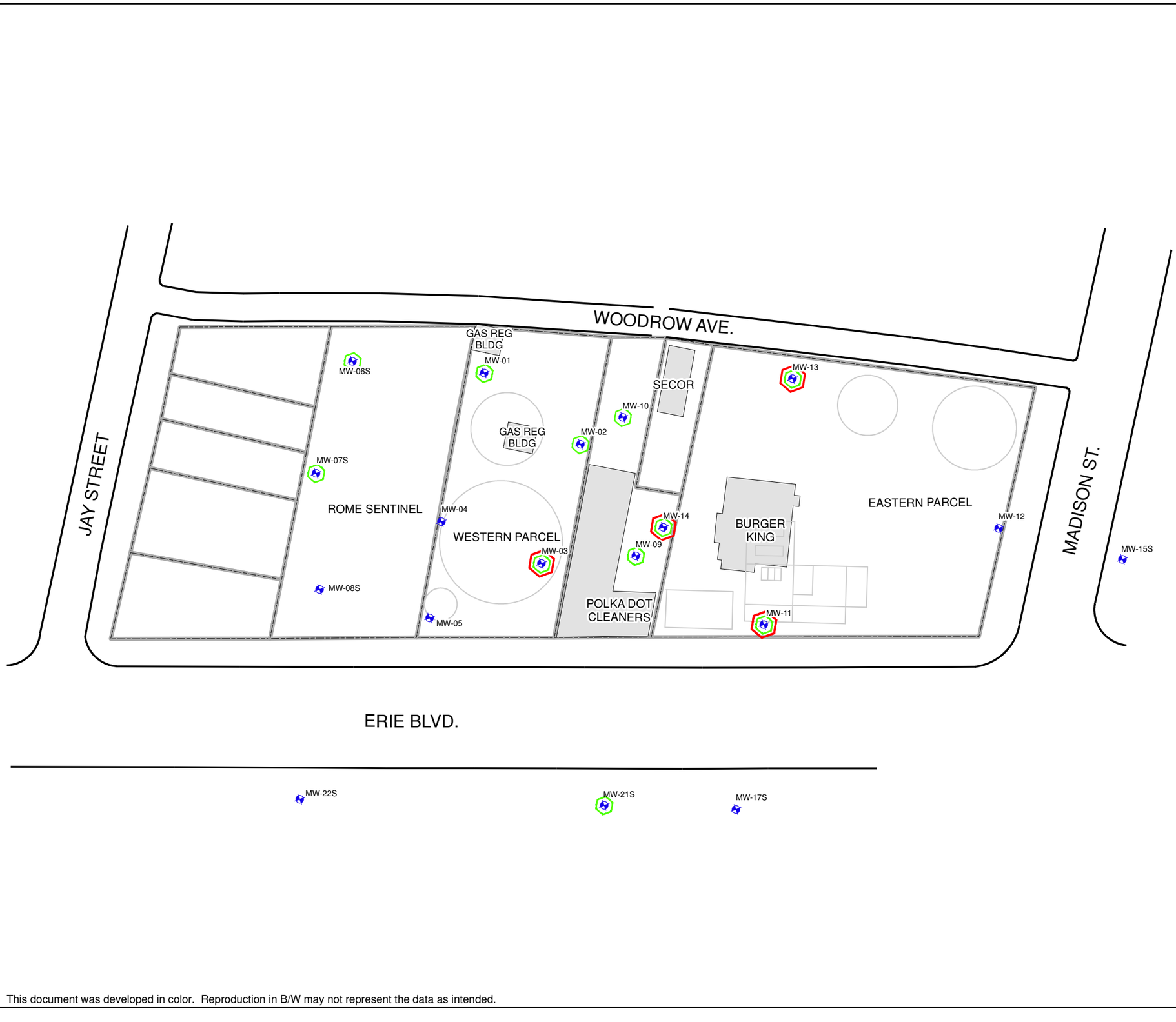
PATH: I:\National-Grid.1118\36670.Rome-Remedial-I\dwg\MXD\RI_Updated_2009\GW_2007_Results_Deep.mxd
NAME: tuckersm
DATE: 11/18/2009 5:25:48 PM

FIGURE 25



LEGEND

- CVOCs >= TOGS
- CVOCs DETECTED
- MONITORING WELL

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

CHLORINATED SOLVENT COMPOUNDS IN SHALLOW GROUND WATER 2007 RESULTS (CVOCs)

0 35 70 140
Feet

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1118.36670

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PATH: I:\National-Grid.1118\36670.Rome-Remedial-Idwg\MXD\RI_Updated_2009\GW_2007_CVOC_Results_Shallow.mxd
NAME: tuckersm
DATE: 11/18/2009 10:29:50 AM

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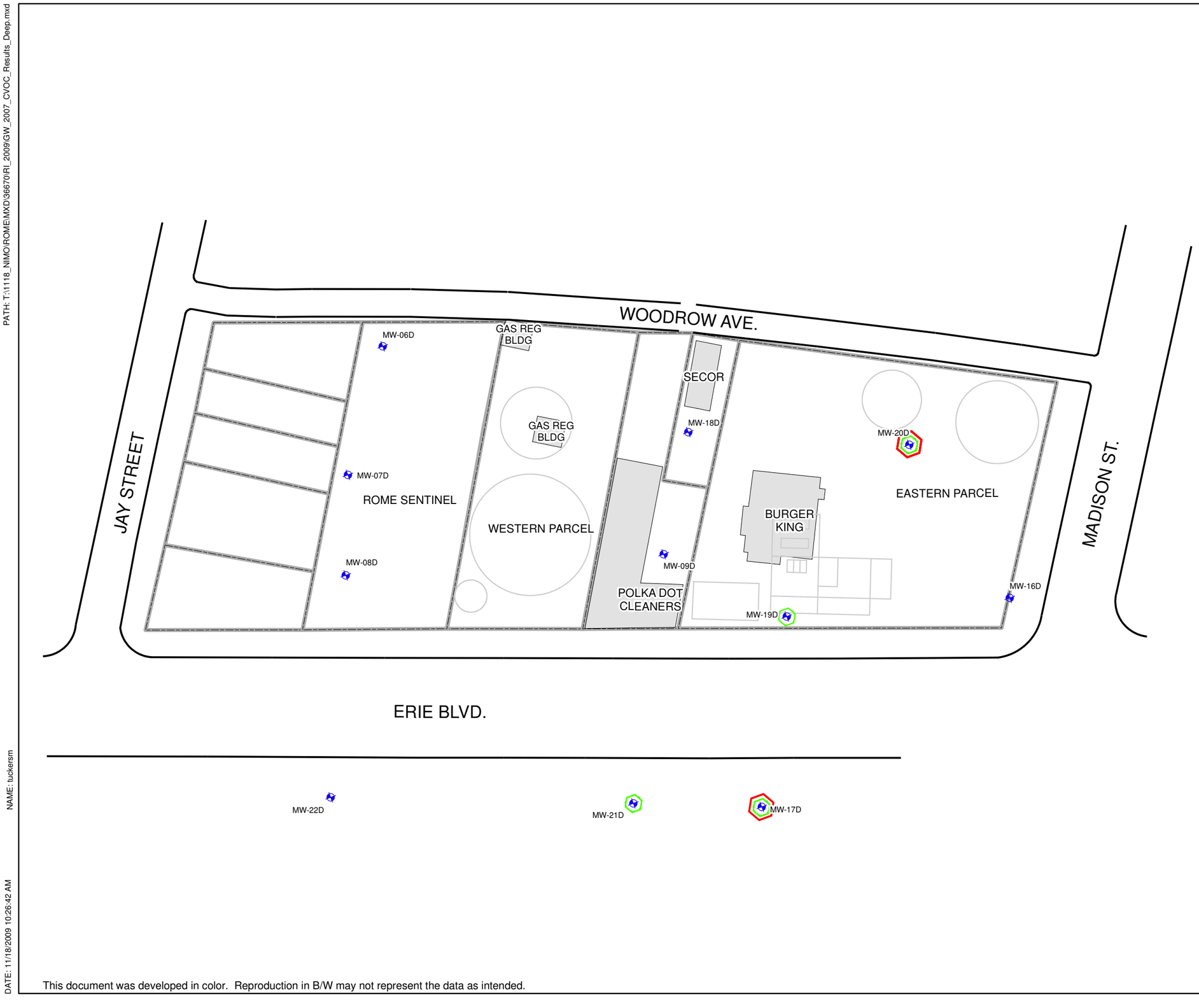
FIGURE 26



LEGEND

- CVOCs >= TOGS
- CVOCs DETECTED
- MONITORING WELL

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

CHLORINATED SOLVENT COMPOUNDS IN DEEP GROUND WATER 2007 RESULTS (CVOCs)

0 35 70 140
Feet

NOVEMBER 2009
1118.36670

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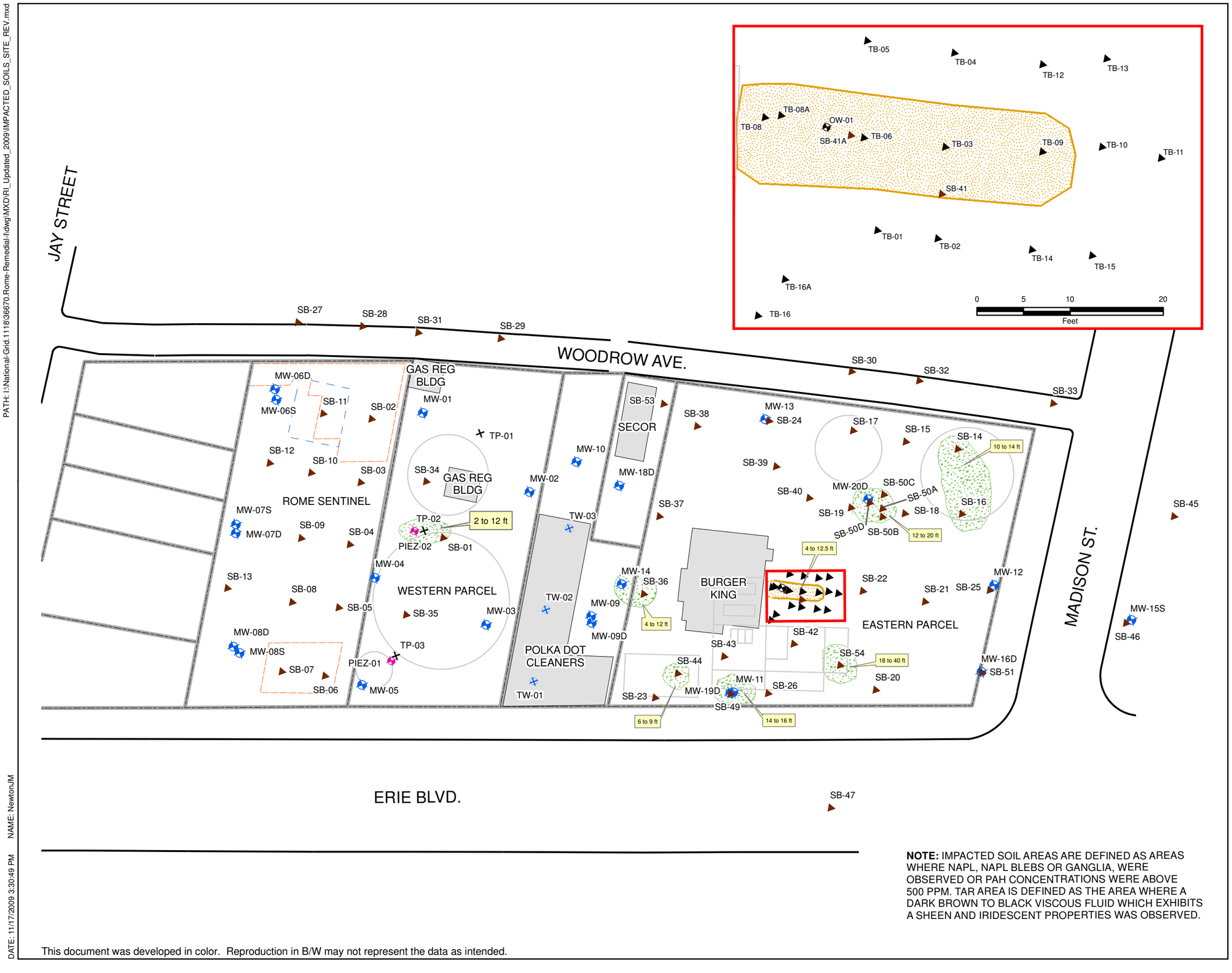
NAME: tuckersm

DATE: 11/18/2009 10:26:42 AM

FIGURE 27



LEGEND

- IMPACTED SOIL
- TAR
- APPROXIMATE EXTENT OF TAR
- IRM SURFACE SOIL REMOVAL AREA (1999)
- IRM SUBSURFACE EXCAVATION (1999)

LOCATION TYPE

- MONITORING WELL
- PIEZOMETER
- TEST WELL
- SOIL BORING
- TEST PIT

NATIONAL GRID
ROME SITE
(JAY & MADISON STREET)
ONEIDA COUNTY, NEW YORK

IMPACTED SOIL AREAS

0 30 60 120
Feet

NOTE: IMPACTED SOIL AREAS ARE DEFINED AS AREAS WHERE NAPL, NAPL BLEBS OR GANGLIA, WERE OBSERVED OR PAH CONCENTRATIONS WERE ABOVE 500 PPM. TAR AREA IS DEFINED AS THE AREA WHERE A DARK BROWN TO BLACK VISCOUS FLUID WHICH EXHIBITS A SHEEN AND IRIDESCENT PROPERTIES WAS OBSERVED.

NOVEMBER 2009
1118.36670

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PATH: I:\National-Grid.1118\36670.Rome-Remedial-I\dwg\MXD\RI_Updated_2009\IMPACTED_SOILS_SITE_REV.mxd
NAME: NewtonJM
DATE: 11/17/2009 3:30:49 PM

(Located on CD)