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February 26, 2001

Mr. Donald Schoonbeek
Dormitory Authority of the State of New York
515 Broadway
Albany, New York 12207-2964

Subject: DDSO Day Habilitation Center, Gowanda, New York
Subsurface Investigation and Indoor Air Quality Summary Report

Dear Mr. Schoonbeek:

Bergmann Associates is pleased to present this Subsurface Investigation and Indoor Air Quality Summary Report concerning investigative work performed at the Day Habilitation Center located at 4 Industrial Place, in Gowanda, New York. This investigation was initiated by the New York State Office of Mental Retardation to further investigate indoor air quality at the facility, and the potential impacts from subsurface contamination that may be present from historic industrial operations conducted by previous owners of the property. This investigation was conducted in accordance with our proposal dated September 14, 2000.

Should you have any questions concerning this project, please feel free to contact us.

Very truly yours,
BERGMANN ASSOCIATES

James E. Siegfried, P.E.
Project Manager

Edward J. Jones, P.G.
Senior Geologist

Jim Marschner
Environmental Specialist

cc: Kevin Murrett, Architectural Resources

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SUBSURFACE INVESTIGATION AND INDOOR AIR QUALITY SUMMARY REPORT

DDSO DAY HABILTATION CENTER
4 Industrial Place
Gowanda, New York 14070

Prepared for:
Dormitory Authority of the State of New York
New York State Office of Mental Retardation
Architectural Resources

Prepared by:
Bergmann Associates
200 First Federal Plaza
28 East Main Street
Rochester, New York 14614

February 26, 2001

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I. INTRODUCTION

1. INTRODUCTION

1.0 Authorization

This Subsurface Investigation and Indoor Air Quality Summary Report was prepared for the DDSO Day Habilitation Center located at 4 Industrial Place, in Gowanda, New York. This investigation was initiated by the New York State Office of Mental Retardation (OMR) to further investigate indoor air quality at the facility, and the potential impacts from subsurface contamination that may be present from historic industrial operations conducted by previous owners of the property. This investigation was conducted in accordance with Bergmann Associates proposal dated September 14, 2000, and as authorized by Architectural Resources on behalf of the Dormitory Authority of the State of New York (DASNY).

2.0 Background

In 1999 OMR was in need of additional space to operate the AVM Day Habilitation program. In July 1999 a study was initiated to determine if it would be feasible to use the Gowanda Electronics property located at 1 Industrial Place for office space. The study, completed in Oct. 1999, identified 1 Industrial Place as a NYSDEC Class 2, Inactive Hazardous Waste site. Historical information review has shown that Automatic Voting Machine (AVM) previously owned and operated out of the Gowanda Electronics location. AVM also owned and operated out of the current location of the Day Habilitation Center at 4 Industrial Place.

Due to the proximity of the Gowanda Electronics facility, located approximately 200 feet east of the Day Habilitation Center, and information made available from environmental investigation reports conducted at the Gowanda Electronics property, OMR requested assistance from Bergmann Associates to investigate environmental conditions at the Day Habilitation Center.

Bergmann Associates conducted a shallow soil gas investigation around the perimeter of the Day Habilitation Center which was documented in a report dated July 14, 2000. The analytical results revealed the presence of volatile organic constituents in subsurface vapors in several areas surrounding the Day Habilitation Center. In particular, an isolated occurrence of chlorinated hydrocarbons was found in samples collected from along the central portion of the south wall of the building. The report concluded that the constituents detected at the site did not appear to be originating from the Gowanda Electronics property located across the street or OMR's operations but were likely a result of the previous operations of AVM. The report recommended that additional research of the historical use of the property be conducted, that subsurface soil and groundwater sampling be conducted, and that additional indoor air quality studies be conducted to further assess the potential impacts of site contaminants.

3.0 Objectives

The objectives of this investigation were to implement the recommendations of the July 14, 2000 report. This included conducting a Phase 1 Environmental Site Assessment, conducting a subsurface soil boring around the building, and conducting indoor air monitoring for VOCs, carbon dioxide and carbon monoxide.

The following tasks were completed as part of this investigation.

- Completion of an Environmental Site Assessment and historic use review.
- Placement of ten (10) test borings around the perimeter of the building
- Installation of temporary groundwater monitoring wells in three (3) test borings
- Collection of soil samples and groundwater samples for laboratory analysis
- Monitoring, Collection and laboratory analysis of indoor air samples
- Preparation of this summary report.

II. ENVIRONMENTAL SITE ASSESSMENT

1.0 Purpose

The purpose of this Phase I Environmental Site Assessment (Phase I ESA) is to complete and document a historical review of recognized environmental conditions at the existing Gowanda Day Center in Gowanda, New York. The subject property is located at 4 Industrial Place in the Village of Gowanda, Cattaraugus County, New York.

1.01 Methodologies and Limiting Conditions

The Phase I ESA was conducted in accordance with ASTM Standard E 1527-00 and was intended to investigate conditions likely to affect recognized environmental conditions in connection with the subject property. In accordance with the ASTM procedure, the scope of the Phase I ESA consisted of:

- Review of readily available public records;
- Site reconnaissance of the property;
- Interviews with the property occupants and local government officials; and
- This Phase I ESA report.

The results of the Phase I ESA are discussed in Sections 2 through 5.

The limiting conditions to this Phase I ESA are that the previous owners could not be contacted. Specifically Automatic Voting Machine, Inc (AVM), they were also a previous owner of Gowanda Electronics located at 1 Industrial Place in Gowanda, New York.

The site visit was conducted on September 20, 2000, by Mr. Jim Marschner, an Environmental Specialist. Mr. Marschner served as the onsite environmental auditor, researching Cattaraugus County historical records and conducting onsite interviews. Additional historical research, report generation, and oversight are performed by Ms. Tracy L. Wahl, Project Coordinator.

Local weather conditions during the site visit were overcast with mild temperatures ranging between 70°F and 75°F.

2.0 Site Description

2.01 Location and Description

The subject property is located along the west side of Industrial Place, near the intersection of Industrial Place and Torrance Place in the Village of Gowanda, New York. The site is currently operating as the Gowanda Day Center for mental care clients.

The subject property is located southeast of the Village of Gowanda and south of Cattaraugus Creek.

2.02 Site Vicinity and Characteristics

The subject property is situated in a primarily residential area with Thatcher Brook immediately west. Industrial Place is a dead-end street less than a quarter mile in length. The neighboring areas of the subject property on Industrial Place are businesses of industrial nature. Photographs of the site and vicinity are provided in the Figures and Photographs section.

The subject property consists of a 5.94-acre parcel of flat land with tree lines along the southern border. Thatcher Brook delineates the western border while the residences of Torrance Place are on the northern border and Industrial Place to the east.

A FOIL (Freedom of Information Law) request has been made to acquire any additional available information on the site. A copy of the FOIL request and written responses are included in Appendix 2 of this report.

Figure 1 shows the location of the site and Figure 2 shows the County Tax map indicating the location of property boundaries.

Photographs of the site and vicinity are provided in the Photographs section.

2.03 Description of Structures, Roads and Improvements

The subject property consists of a single story slab-on-grade, approximate 56,000 square foot concrete block structure with aluminum siding expansions. The current building was built in stages between circa 1956 and 1987. The building has been occupied by New York State Offices since 1982. New York State acquired the parcel in 1989.

There are parking areas of asphalt pavement on the north and south sides of the building. There is a dock on the northwest end of the building and a gravel/dirt access way from Torrance Place. This dirt drive follows the western border of the subject property back to the railroad tracks to the south. On the east side of the building there are two access ways from Industrial Place.

2.04 Current Uses of the Property

At the time of our 2000 site reconnaissance the subject parcel was being used by the Western New York Developmental Disabilities Services Office (DDSO) as a day habilitation center. Activities in the building ranged from crafts and recreation to living skills training, to a sheltered workshop known as Universal Industries. It is a weekday operation with staff onsite from 7am until 4pm, clients' onsite from 9a.m. until 2:30 p.m.

2.05 Past Uses of the Property

Neither a chain of title nor an abstract of title were provided for review. Past use of the property was determined from review of historic maps and aerial photographs, interviews with local government officials and site history summarized in environmental reports on nearby sites.

Based on review of aerial photographs and Sanborn Maps the subject property has been similar or a smaller structure than present day dating back to the 1950's. The 1939 aerial photograph shows the subject property as undeveloped farmland, as well as the adjacent property.

The historical topographic map from 1963 was provided with the VISTA report, the Gowanda area appears very similar to present day. The subject property area also looks similar with definitive structures to the south and east.

The study site building is also known locally as the AVM building. Automatic Voting Machine (AVM) Corporation conducted activities at the study site and at other nearby parcels (including the current Gowanda Electronics facility at 1 Industrial Place). Exact dates of operation could not be confirmed, but AVM, predecessor companies (Knowles-Fisher Corp.) and successor in interest companies (American Locker Group (Inc) were active at the study area from about 1945 until 1979. These companies operated various machine and stamping shops and manufactured voting machines. Actual operations conducted at the Gowanda Day Habilitation Center building could not be determined but may have included various manufacturing and warehouse/storage operations.

Historical use information was obtained from the Town of Persia Assessor, Mr. Robert Busekist, through an interview with Bergmann Associates Jim Marschner. According to the Assessor's records Buffalo Turbine has always been Buffalo Turbine. The current Gowanda Electronics facility records show that AVM sold the facility to Don Campbell in May 1979, Mr. Busekist speculated that Campbell used the building for storage. In June of 1985 Don Campbell sold the facility to Gowanda Electronics.

The subject property was also owned by AVM, it was sold to Murco Development Corp. in October 1981. Murco sold the property to Vincent Gaito in April 1984 and Gaito sold it to Consolidated Capital Special Trust in September 1989. The People of the State of New York purchased the subject property from Consolidated Capital in 1989.

2.06 Current and Past Uses of Adjoining Properties

The areas surrounding the subject property along Industrial Place are primarily industrial facilities as opposed to the subject property, which is a patient care facility. Past use of this area seems to be consistent with machine shops and industrial facility use. While the areas north and west have been residential in nature both in the past and present day. The

southern vicinity beyond Buffalo Turbine and the railroad still appears to be undeveloped land. The eastern portion is somewhat more industrial.

Specifically, adjacent properties observed included those parcels described as follows:

North: The area north of the subject property consists of Torrance Place, which is residential, there are additional residential streets. Further north is the Village of Gowanda and Cattaraugus Creek.

East: On the east side of Industrial Place is Gowanda Electronics, Gowanda Electronics Manufacturing Technologies Group, and Southdown's Machine/Star Lake Precision Mfg. The Machine Shop was owned by Richard Knowles Inc., it was sold to Gowanda Electronics in 1989.

South: Directly south is Buffalo Turbine, then the railroad and undeveloped land.

West: On the western border is Thatcher Brook, then the residences of Jamestown Street.

Photographs of the adjacent land uses are provided in the Figures and Photographs section.

Based on available information as well as information provided by individuals interviewed, past adjacent property use has been similar to present day since the 1940's. Prior to that time period Torrance Place and Industrial Place did not exist and the area was undeveloped land.

Adjacent use of potential environmental significance includes Gowanda Electronics and Buffalo Turbine. Gowanda Electronics is located directly east of the subject property while Buffalo Turbine is directly south. Additional information is available on Gowanda Electronics in the VISTA report and Sections 3.0 and 5.0. Additional information on Buffalo Turbine is located in Section 5.0.

3.0 Environmental Records Review

3.01 Standard Environmental Record Sources, Federal and State

Regulatory database searches were conducted for the subject property as part of the scope of this Phase I ESA. The regulatory database search was conducted by VISTA, a nationally recognized database search service.

The database searches were conducted at or beyond the radii established by ASTM E 1527-00 (as listed below) for all parts of the subject property. The database search reports are included in Appendix 2. A summary of the databases searched is provided below.

Federal Databases

USEPA Resource Conservation Recovery Information System (RCRIS) Database, 1-mile search radius, RCRA generators/transporters, 0.125-mile radius (subject and adjoining properties), RCRA Violations and Enforcements, 0.25-mile radius, and Treatment, Storage and Disposal (TSD) Facilities, 0.5-mile radius, all updated December 1999: The RCRA-TSD report contains information pertaining to facilities that either treat, store, or dispose of EPA regulated hazardous waste. The RCRA-LgGen report contains information pertaining to facilities, which either generate more than 1,000 Kg of EPA regulated hazardous wastes per month, or meet other EPA regulatory requirements. The RCRA-SmGen report lists facilities that either generate between 100 Kg and 1000 Kg of EPA regulated hazardous waste per month or meet other regulatory requirements. RCRA-CA reports those facilities which have conducted, or are currently conducting, a corrective action. And RCRA-Viol/Enf covers facilities that have been cited for RCRA violations once since 1980. Enforcements are actions taken against RCRA violators.

USEPA National Priorities List, updated April 2000, 1-mile search radius of the subject property: The NPL is the USEPA's registry of the nation's worst uncontrolled or abandoned hazardous sites. These sites are targeted for remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

USEPA Comprehensive Environmental Response, Compensation and Liability Information System, updated April 2000, 0.5-mile search radius: The CERCLIS database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation by the U.S. EPA for release, or potential release of hazardous substances.

USEPA No Further Remedial Action Planned (NFRAP), updated April 2000, 0.5-mile search radius: NFRAP is also known as the CERCLIS Archive, which contains information pertaining to sites where following an initial investigation, either no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

USEPA Emergency Response Notification System (ERNS), updated August 1999, property search only (.125-mile radius of subject property): The ERNS database records information on the sudden and/or accidental release of hazardous substances and petroleum into the environment.

United States Geological Survey (USGS) Water Wells, updated March 1998, 0.5-mile radius. A groundwater site inventory for over 1,000,000 wells and other sources of groundwater that the USGS has studied.

USEPA Toxic Release Inventory System a part of Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III), updated January 1998, 0.25-mile search radius: TRIS is an inventory system of Toxic

Chemical releases from facilities. The facilities subject to this requirement are required to complete a Toxic Chemical Release Form (Form R) for specified chemicals.

State Databases

New York Inactive Hazardous Waste Disposal Sites listed as (SPL), updated July 1999, 1-mile radius: The New York Registry of inactive hazardous waste disposal sites is an inventory maintained by the NYSDEC of all actual or suspected hazardous wastes sites known in the state.

New York Leaking Underground Storage Tanks (LUST), updated April 2000, 0.5-mile search radius: The New York State Leaking Underground Storage Tank Database is a comprehensive list of all reported state spill sites and leaking storage tank cases. These are reported and the database maintained by the New York State Department of Environmental Conservation (NYSDEC).

New York Underground Storage Tank and Aboveground Storage Tanks (UST/AST) Database, updated , January 2000 0.25-mile search radius: **This database is provided by the NYSDEC's Petroleum Bulk Storage Program for both underground and aboveground tanks. Residential uses are not required for registration and therefore are not listed.**

New York Active/Inactive Solid Waste Disposal Sites (SWLF), updated August 1999 0.5-mile radius: This database contains summary information pertaining to active and inactive facilities provided by the NYSDEC.

New York State Spills and LUST Database (SPILLS), updated April 2000: Provided by the NYSDEC. Facilities on this database consists of state spill sites and may also appear on the LUST Database reports.

3.011 Plottable Sites

The VISTA Report contained a total of 9 plottable sites within the specified search radii of 1.0 miles of the subject property. Some of the plottable sites have identical addresses indicating multiple owners or more than one incident. A copy of the location map for these sites provided by VISTA is attached in the Figures and Photographs section. The complete VISTA database report is provided in Appendix 2.

Most of these listed properties do not appear to present a recognized environmental condition at the subject property because the properties are either cross- or downgradient of the subject property, or resolved issues. However, the proximity of Gowanda Electronics to the subject property combined with AVM's previous ownership of both Gowanda Electronics and the subject property are worthy of note.

Based on the New York State Department of Environmental Conservation's Inactive Hazardous Waste Disposal Report dated April 1, 2000, site code 905025, of the Gowanda Electronics property groundwater flow is generally to the north with a slight northeast flow. The plume consists of Trichloroethene and 1,1,1-Trichloroethane and extends northward, but according to reports does not extend beyond the western property boundary. The Day Center is located approximately 200 feet west of the Gowanda Electronics location. The NYSDEC Inactive Hazardous Waste Disposal Report Summary for Site 905025 is included in Appendix 2.

The following table summarizes the name, type, and location of the plottable sites:

List	Name	Address	Location Relative to Subject Property	Comments
GNRTR SPILLS SPL SCL	Gowanda Electronics Corp/AVM-Gowanda	1 Industrial Place	.07-mi. east Slightly crossgradient.	Listed as a RCRA small generator. Petroleum spill closed 10/88. Also listed on State equivalent priorities list and state equivalent CERCLIS list. Pollutant listed as Trichlorethene and under voluntary cleanup.
SPILLS	Unknown Street Spill	88 Jamestown St.	.11-mi. northwest crossgradient.	State spill, oil spilled in street off the back of a truck. Status is closed 1/94.
ERNS	New York Lake Erie Railroad	50 Commercial St.	.12-mi. east crossgradient.	No releases listed, spill date 9/7/96. Area affected listed as railroad tracks.
UST/AST LUST	NYNEX/ New York Telephone Co.	91 S. Water St.	.16-mi. northeast downgradient.	4 USTS/2 ASTs registered. 2 USTs/1 AST out of service. 1 LUST, reported tank test failure 12/92 completed soil removal and borings, status closed as of 7/95.

List	Name	Address	Location Relative to Subject Property	Comments
NPL SPL SCL	Peter Cooper Landfill	Palmer St.	.25-mi. east crossgradient.	On the National Priority List, on the state equivalent CERCLIS list, and the state equivalent priority list. Status is listed as unknown.
LUST	Gowanda Mobil	17 E. Main St.	.29-mi. north downgradient.	Listed as LUST but report is 10 gallons spilled on surface blacktop and cleaned up with Speedi-dry. Status closed 11/95.
SWLF	Gowanda SLF/Gowanda LF	27 E. Main St.	.30-mi. north downgradient.	Listed as an inactive solid waste landfill.
LUST	Fox Motors	39 Buffalo St.	.38-mi. north downgradient.	1 LUST, 5k tank removed, some soil removed analysis were ND. Status closed 9/96.
CORRACTS SPL	Moench Tanning Co.	265 Palmer St.	.72-mi. southeast crossgradient.	CORRACTS site with a medium priority status, RCRA-TSD for land disposal. State equivalent priority list with a closed- requires management status.

Note that the proximity and location provided in the above table may vary from the information in Appendix 2 because the information in the table is based on the site reconnaissance.

3.012 Unplottable Sites

The VISTA database search cannot always accurately locate a facility listed in a given database due to incomplete or faulty addresses and/or longitude and latitude coordinates. In these cases, VISTA has supplied a list of unplottable sites. Based upon the information provided and the required search radius for a given database, it is sometimes not possible to determine if an unplottable site falls within the given search radius or if it may be removed from consideration. A total of 10 unplottable sites were provided by VISTA based on the site having the same zip code as the subject property and/or proximity to Gowanda, NY. In order to determine which unplottable sites were within the specified search radii, street maps of the subject property vicinity were reviewed and Internet yellow page searches were conducted. Based upon this review, it was determined that 7 of the 10 sites were potentially within the 1-mile search radius.

The sites potentially within the search radius include 5 SPILLS sites, four of which are also listed as LUST sites, and 2 UST/AST registrations. Of the seven sites all were located either cross- or downgradient of the subject property based on street location except Buffalo Turbine and Don Campbell. These two sites were identified as potentially upgradient of the subject property. Buffalo Turbine was located during the site reconaissaince, it is adjacent to the subject property directly south. Buffalo Turbine was listed as a SPILLS site.

Buffalo Turbine has a Spill number 9205481, obtained from the NYSDEC Spills database. According to the NYSDEC report the spill was from steel drums that leaked silicon tetrachloride, the remaining product was placed in (2) 15-gallon plastic drums. The area was cleaned and the drums removed from the site in April 1993, the NYSDEC closed the spill out in June 1993. A closure date indicates that any required cleanup was completed and proper documentation was submitted to and filed by the NYSDEC.

The Don Campbell site was not located but the VISTA report indicates that three abandoned UST's were removed and that contaminated soil was removed. The excavation soil disposal receipts indicated that the sample results were within STARS criteria and no further action was necessary as of October 1995.

Buffalo Turbine potentially presents an environmental impact to the subject property given its SPILLS status and directly upgradient location. Additional information concerning the Buffalo Turbine site was requested from the NYSDEC through a Freedom of Information Law (FOIL) application. A written response noted that the only information in NYSDEC files for the facility was for Spill number 9205481, which was established for the 1993 release of silicon tetrachloride. The NYSDEC response indicated that no other records concerning Buffalo Turbine were located or available.

3.02 Physical Setting Sources

Physical setting sources reviewed included the following:

- 1963 Historic Topographic map
- 1977 Flood Insurance Rate Map from the U.S. Department of Housing and Urban Development
- 1975 New York State Department of Environmental Conservation Gowanda Quadrangle
- NYS Freshwater Wetlands Map, Cattaraugus County.
- 1995 U.S. Department of the Internal Fish and Wildlife Service, National Wetlands Inventory.
- 1985 Cattaraugus County Soil Survey.

The soil survey indicated that the subject property is Olean silt loam with 0-3% slope. It is very deep, moderately drained, low lime, silty soil formed in lake laid deposits which overlie outwash sand and gravel at depths of 20-40 inches. The available water capacity is high, permeability is moderate in the silt mantle and rapid to very rapid in the underlying sand and gravel.

Based on the interpretation of the historic topographic map groundwater flow would be generally north. Depth to groundwater was recorded during the Geoprobe activities on the subject property as approximately 6.5 feet.

The 1977 Flood Insurance Rate Map indicates that the subject property is in Zone C, which is out of the 500-year flood plan.

The wetlands maps showed no apparent wetlands on the subject property. This was also confirmed by the observations made during site reconnaissance. All of these maps and surveys are available in the Figures and Photograph section of this Phase 1 ESA report.

3.03 Historical Use Information

Publicly available historical aerial photographs and maps were reviewed as part of the Phase I ESA. Sanborn maps were available from the Environmental Risk Information & Imaging Services through the Vista report for 1924 and 1948.

3.031 Historic Sanborn Map Review

The 1924 Sanborn map shows the subject property as vacant. Torrance Place is not present on the 1924 map, neither is Industrial Place. The surrounding area is depicted as vacant. The 1948 Sanborn map shows the subject property with an Upholstery building listed as commercial. On the west of corner of Industrial Place and Torrance Place is a residence, on the east side of Industrial Place is C. E. Knowles Co. a machine shop. Copies of the maps are located in the Figures and Photograph section of this report.

3.032 Historic Aerial Photographic Review

Aerial photographs from 1939, 1956, 1980, and 1990 were available from the Cattaraugus County Farm Services Agency.

The 1939 photo shows the subject property as undeveloped and agricultural in nature, while the adjacent properties appear similar to the subject property.

The 1956 photo is unclear because of the distance at which the aerial photograph was taken. The quality of the photo is also poor.

There was a 1973 aerial photograph available for review only at the Cattaraugus County Offices. This photo showed the subject property with a smaller building than present day, the Buffalo Turbine building is present to the south, the north and west vicinity are residential, and the east shows the same three structures as today. Also noted on the subject property on the south side of the building were possible staged drums or containers.

The 1980 photo depicts the subject property as it appears today, the surrounding area also appears the same.

The 1990 photo appears the same as the 1980 photo, except an additional parking area on the southwest corner of the building and debris area in the far south east section of the subject property.

No other publicly historic aerial photographs were located for review. The aerial photographs are provided in Figures and Photograph section of this report.

3.04 Additional Record Sources and Interviews

As part of the background research component of the Phase I ESA, Bergmann Associates interviewed the surrounding property occupants and local government officials. The following documents those interviews:

Interview with Mr. Robert Busekist, by Mr. Jim Marschner on 09/21/2001:

Mr. Busekist is the Town of Persia Assessor at the Town Clerk's Office. The interview portion can be found in Section 3.03 of this report because of its relevance to historical use information. Mr. Busekist said the Town did not have any information on Peter Cooper Corporation.

Interview with Kathy Mohawk, by Mr. Jim Marschner on 09/21/2001:

Ms. Kathy Mohawk is employed by the Village of Gowanda Clerk's Office. Ms. Mohawk was asked about available visual information, she said aerial photographs and Sanborn Maps were not available. Mr. Marschner asked her about Peter Cooper Corporation, she said it was a glue factory on Palmer Street next to the Tannery. She thought the facility had been purchased for salvage, it has covered landfills and one that is leaking.

4.0 Information From Site Reconnaissance

Bergmann Associates conducted the site reconnaissance on September 20, 2000. The site consists of a building used by the Office of Mental Retardation as a Day Center for clients. There is a dirt/gravel access road, as well as paved asphalt drives and parking areas. Areas throughout the site consist of lawn areas, some field vegetation, a creek, and treed and brush areas. Photographs of the site and vicinity were taken during the site reconnaissance; these will be available in the figures and photographs section of the final report.

Photographs of the site reconnaissance are provided in the Photographs section. The property appeared as indicated by the Project Location Map represented in this report as Figure 1.

4.01 Hazardous Substances in Connection with Identified Uses

No evidence of hazardous substances were visible on the subject property at the time of the site visit.

4.02 Hazardous Substance Containers and Unidentified Substance Storage Containers

No evidence of hazardous substance containers or unidentified substance storage containers were visible on the subject property at the time of the site visit.

4.03 Storage Tanks

4.031 Underground Storage Tanks (USTs)

No USTs, or evidence of USTs were visible on the subject property at the time of the site visit. Past use of USTs prior to use of the facility by the State of New York was not determined.

4.032 Aboveground Storage Tanks (ASTs)

No ASTs, or evidence of ASTs were visible on the subject property at the time of the site visit. Past use of ASTs prior to use of the facility by the State of New York was not determined.

4.04 Indications of Polychlorinated Biphenyls (PCBS)

No indications of PCBs or PCB-containing equipment were observed during the site visit.

4.05 Indications of Solid Waste Disposal

A junk/debris pile was found on the subject property on the southeast area. The pile was made of dirt, rocks, wood, metal posts, and trees and brush.

4.06 Other Conditions or Concerns

There were no other apparent conditions or concerns readily apparent on the subject property.

5.0 Phase I ESA Findings and Conclusions

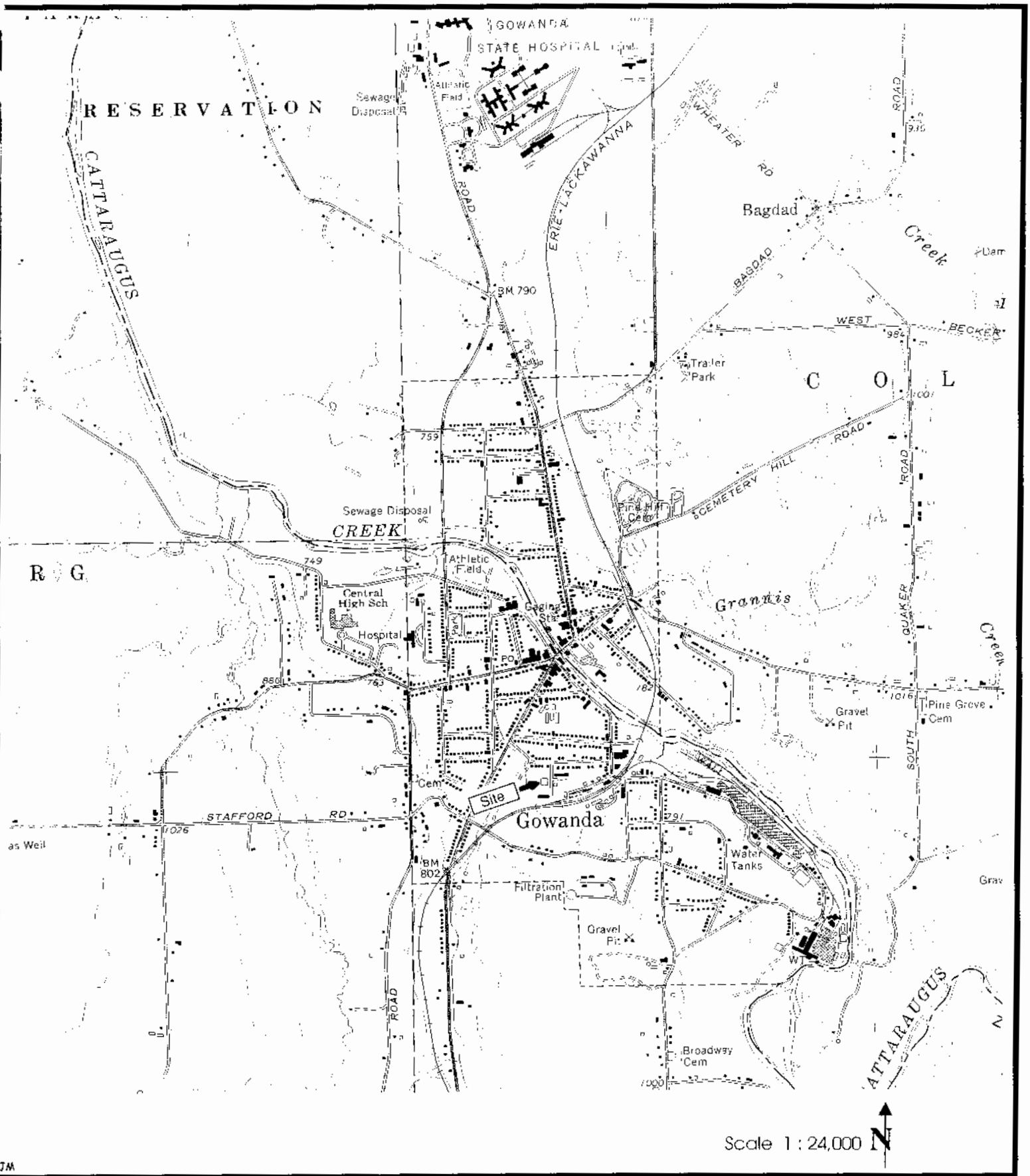
Bergmann Associates has undertaken a Phase I ESA of the Day Center located at 4 Industrial Place, Gowanda, New York, in conformance with the scope and limitations of ASTM Practice E 1527-00 *Standard Practice for Environmental Site Assessments.* The Phase I ESA was intended to investigate conditions likely to affect recognized environmental conditions in connection with the subject property. In accordance with the ASTM procedure, the scope of the Phase I ESA consisted of:

- Review of readily available public records;
- Site reconnaissance of the property;
- Interviews with the property occupants and local government officials; and
- This Phase I ESA report.

This Phase I ESA Update has revealed no evidence of recognized environmental conditions in connection with the property, with the exception of the following:

The proximity of Gowanda Electronics located at 1 Industrial Place directly east of the Day Center is currently under remedial action. According to the NYSDEC's Inactive Hazardous Waste Disposal Report the metal and petroleum hydrocarbon contaminated soil was removed. However volatile organic compounds (VOCs) were found at depths of 16-17 feet below ground surface. The DEC has conducted a plume investigation and found that the VOCs have migrated via groundwater to the north on to residential property. The primary VOCs identified are Trichloroethene (TCE) and 1,1,1-Trichloroethane. The Gowanda Electronics property was previous owned by AVM and the TCE use has been correlated to AVM processes. The subject property was also owned by AVM and has also identified subsurface impact by TCE.

Another site identified during this Phase 1 ESA is Buffalo Turbine located at 20 Industrial Place, an adjacent property to the south of the subject property. Buffalo Turbine has a Spill number 9205481, obtained from the NYSDEC Spills database. According to the NYSDEC report the spill was from steel drums that leaked silicon tetrachloride, the remaining product was placed in (2) 15-gallon plastic drums. The area was cleaned and the drums removed from the site in April 1993, the NYSDEC closed the spill out in June 1993. The NYSDEC response to a Freedom of Information Law request provided no information for Buffalo Turbine other than the 1993 spill event. Based on this information this site does not appear to represent a recognized environmental condition at the subject property.



BERGMANN associates

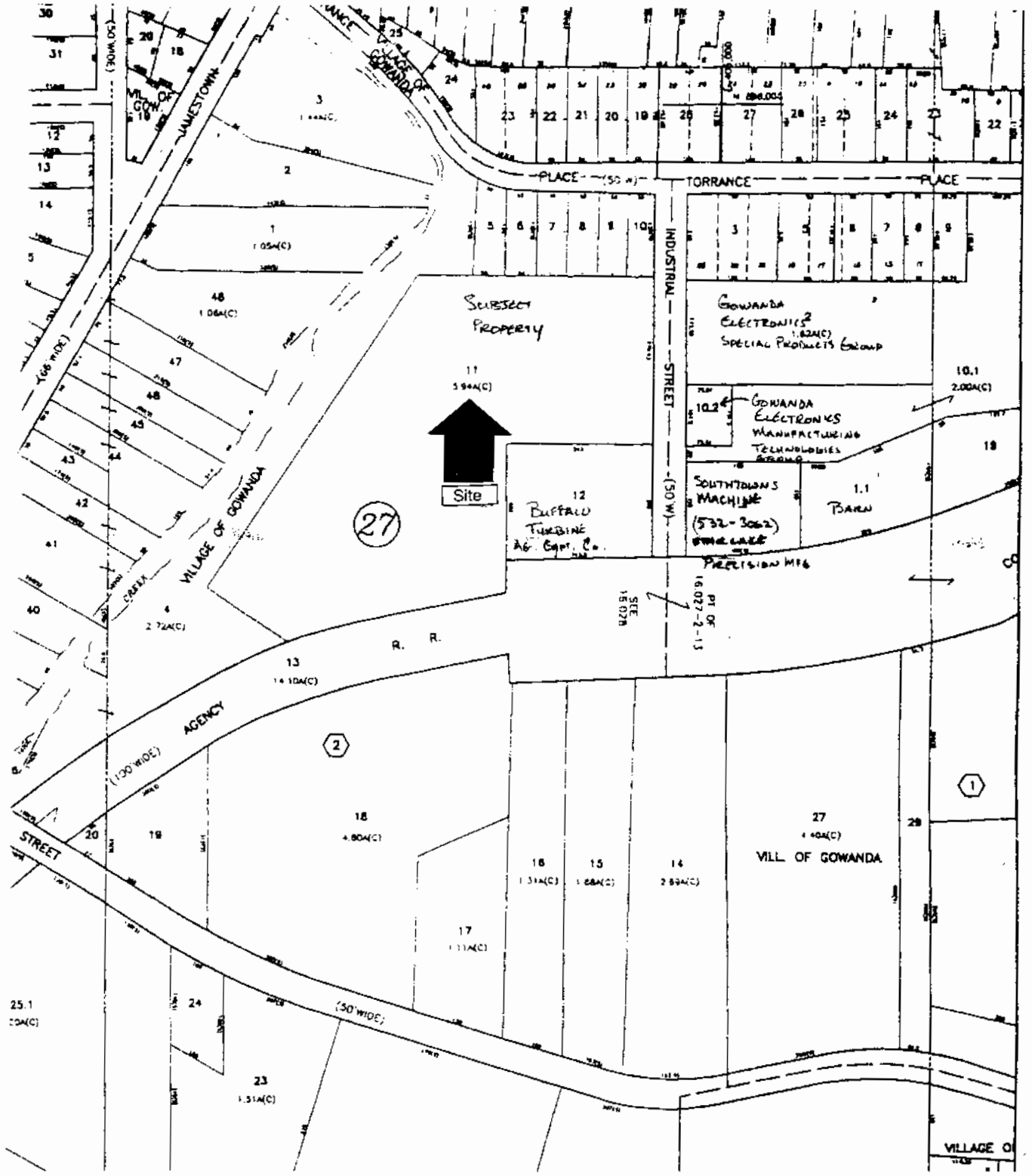
NYSDDSO Day Habilitation Center
Gowanda, New York
Phase I Site Assessment

PROJECT LOCATION

USGS Gowanda, NY Quadrangle July 1976

Drawing Date
26-Feb-01

Figure
1



BERGMANN associates

NYSDDSO Day Habilitation Center
Gowanda, New York
Phase I Site Assessment

TAX MAP

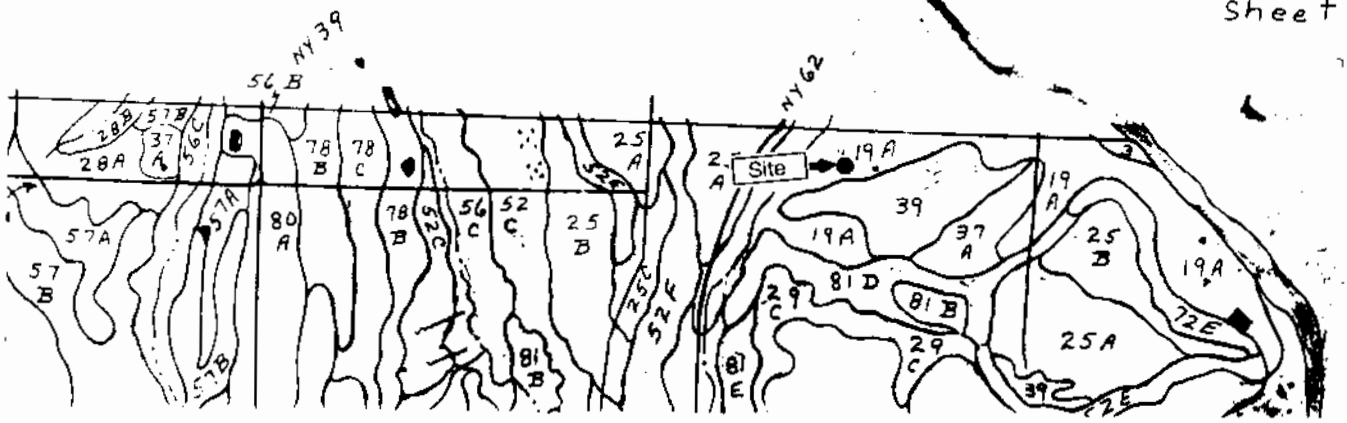
Cataragus County

Drawing Date
26-Feb-01

Figure
2

193-129

Sheet No. 12



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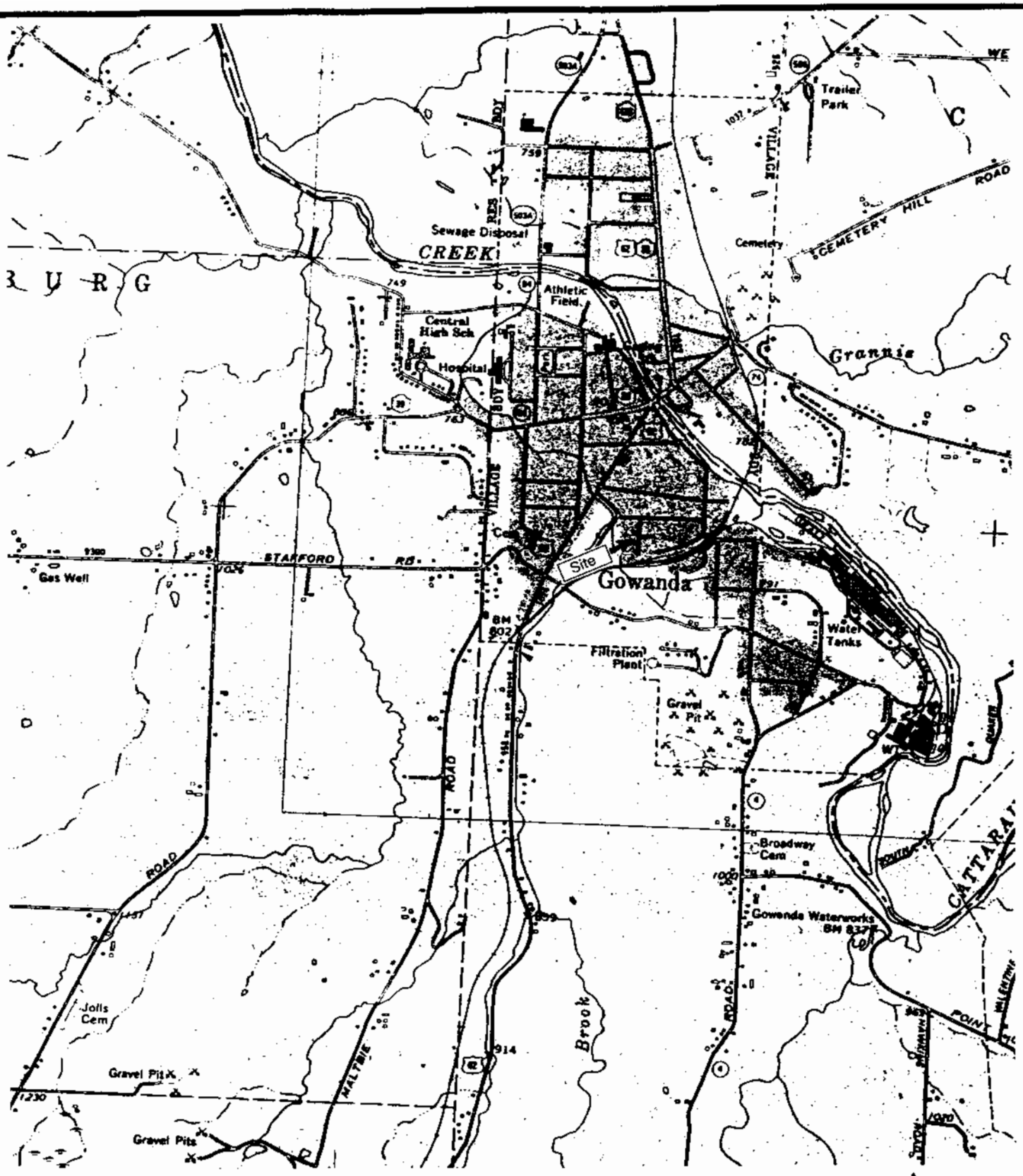
Gowanda, New York
Phase I Site Assessment

SOILS SURVEY MAP

Cataragus County Soil & Water conservation District 1985

Drawing Date
26-Feb-01

Figure
3



JM

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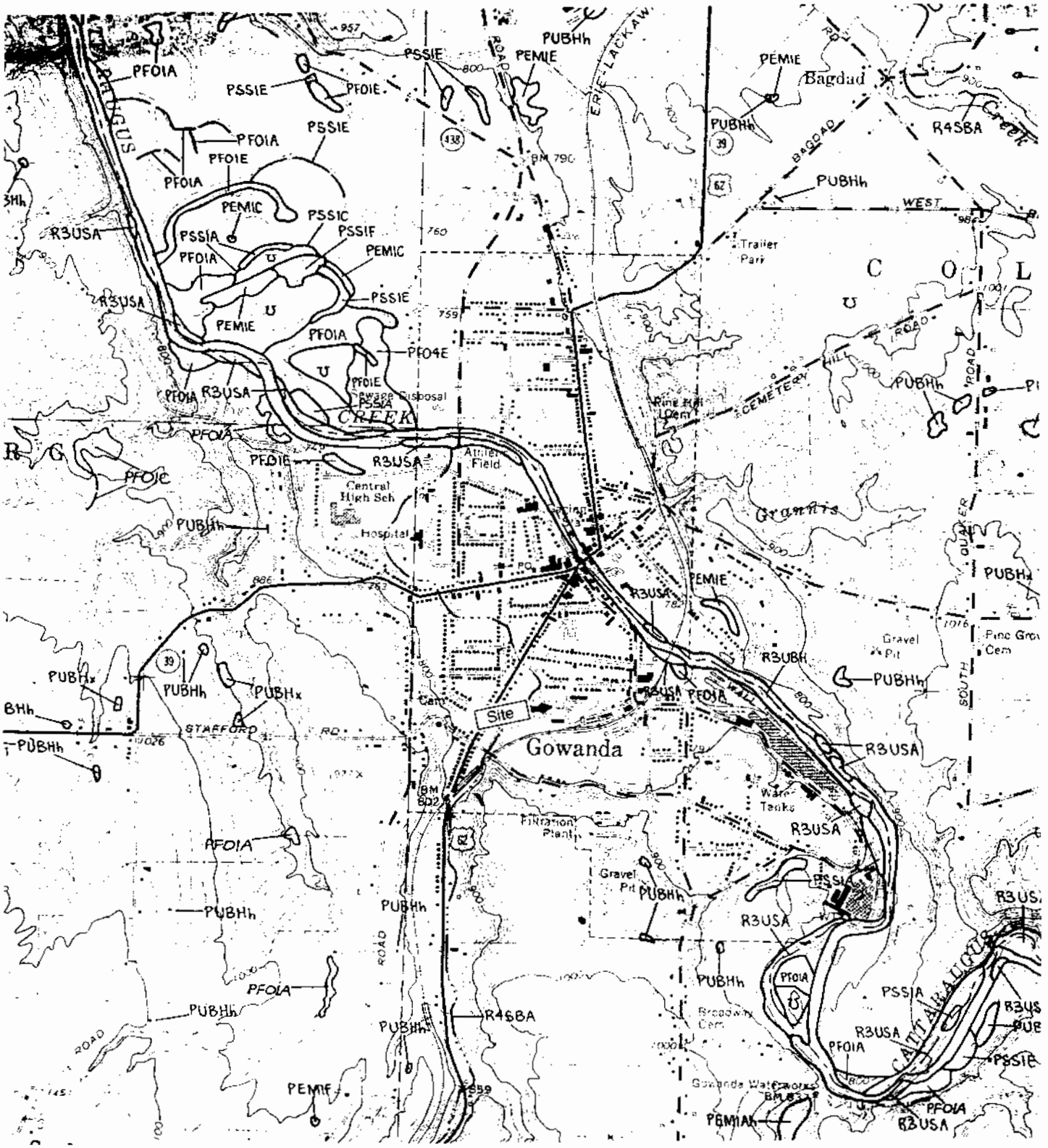
Phase I Site Assessment

Freshwater Wetlands Map - 1975

NYSDEC Gowand, NY Quadrangle

Drawing Date
26-Feb-01

Figure
4



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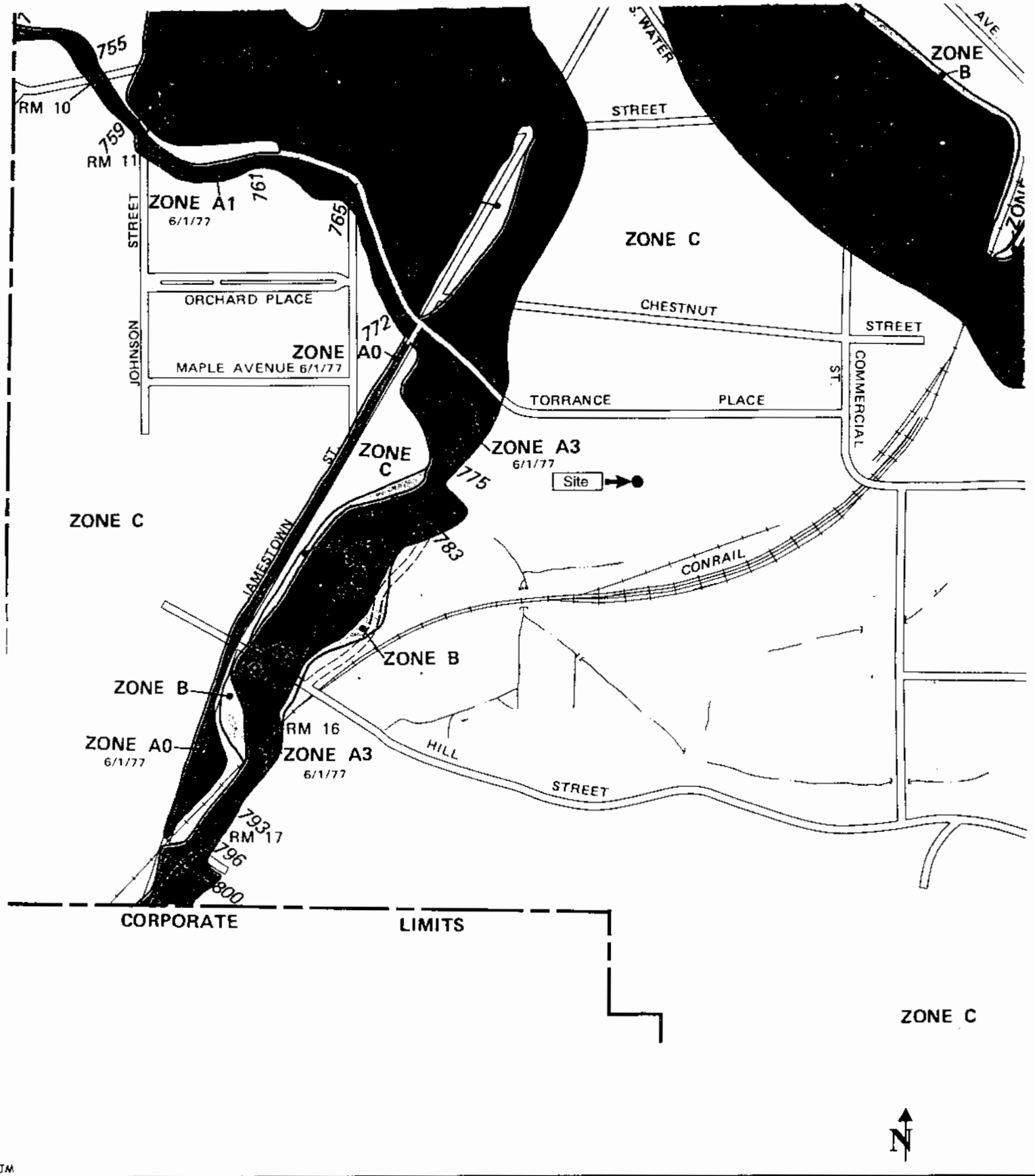
Phase I Site Assessment

National Wetlands Inventory

US Department of the Interior - 1995

Drawing Date
26-Feb-01

Figure
5



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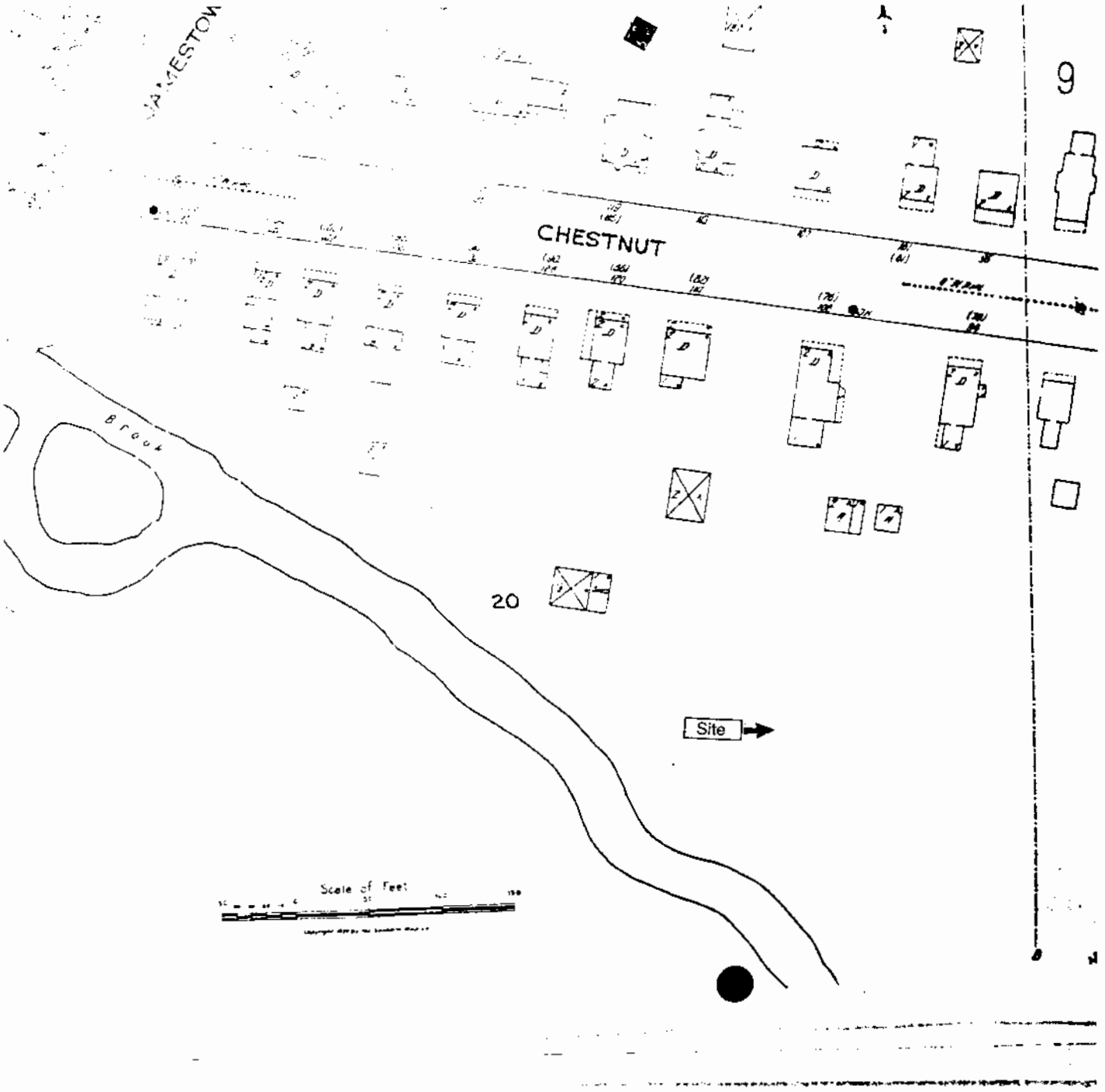
Phase I Site Assessment

FLOOD PLAIN MAP

US Dept. of Housing and Urban Development

Drawing Date
26-Feb-01

Figure
6



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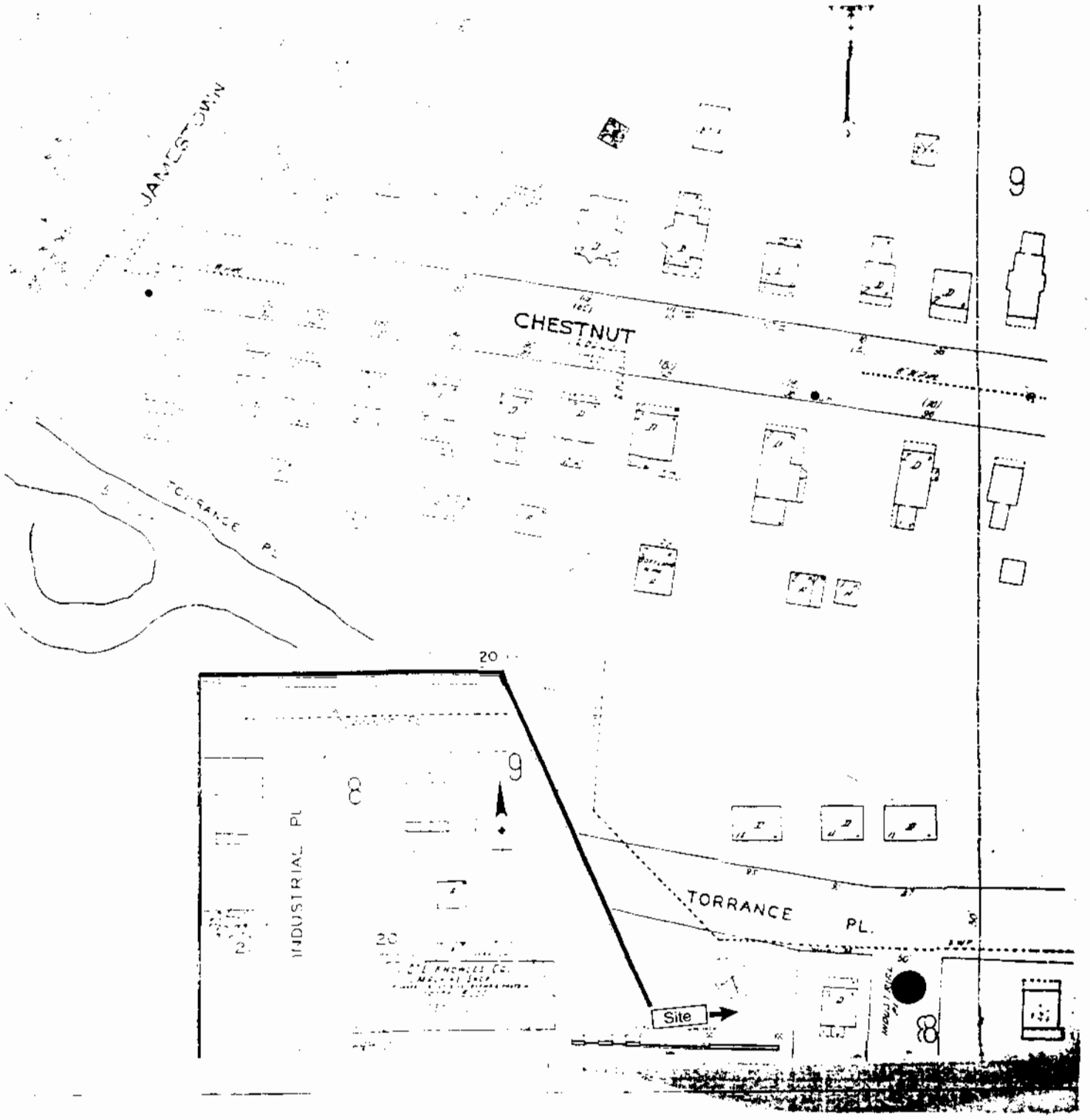
Phase I Site Assessment

Sanborn Map 1924

Environmental Risk Information & Imaging Service

Drawing Date
26-Feb-01

Figure
7



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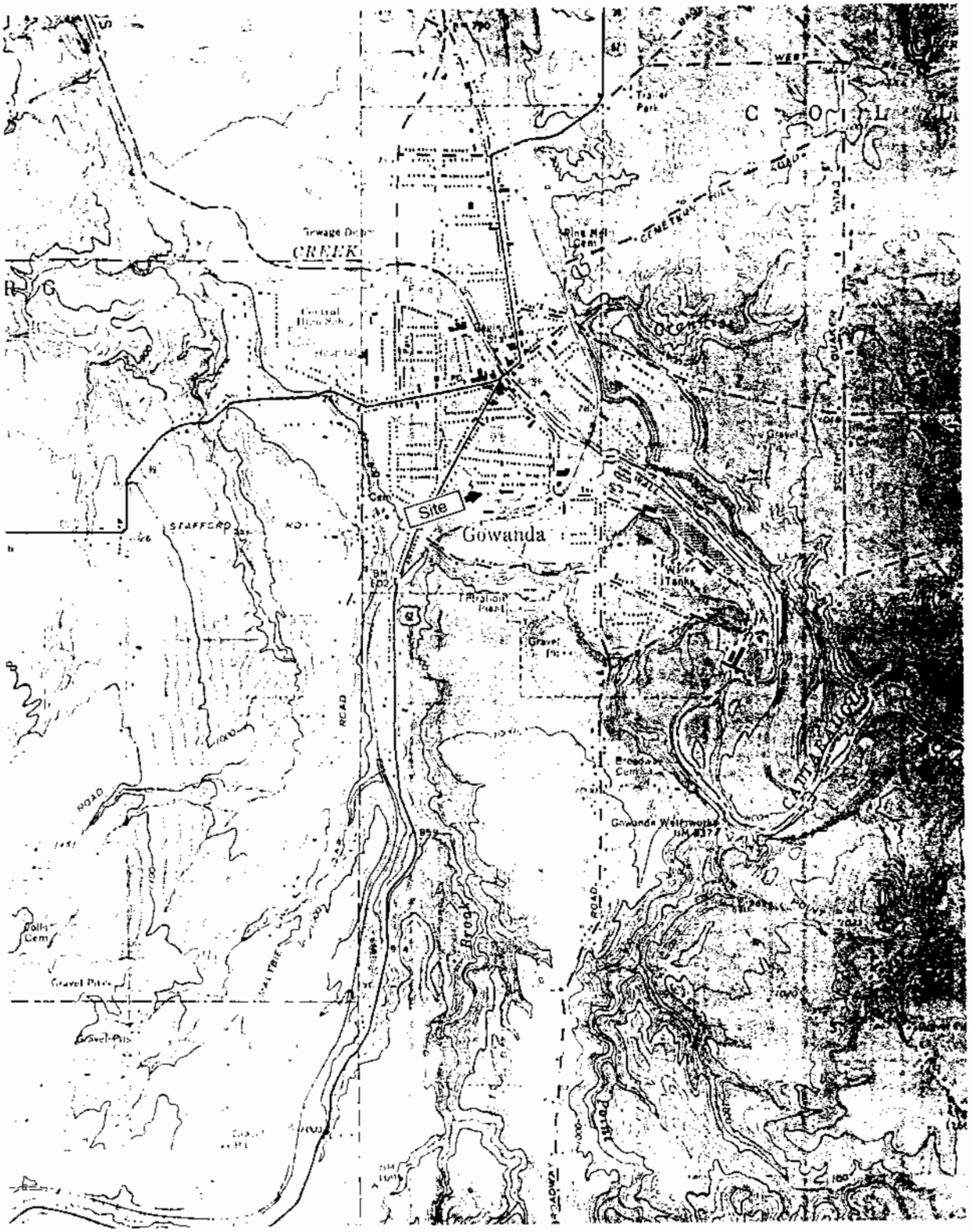
NYSDDSO Day Habilitation Center
Gowanda, New York
Phase I Site Assessment

Sanborn Map 1948

Environmental Risk Information & Imaging Service

Drawing Date
26-Feb-01

Figure
8



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Gowanda, New York
Phase I Site Assessment

Historic Topographic Map

USGS - 1963

Drawing Date
26-Feb-01

Figure
9

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Phase I Site Assessment

AERIAL PHOTOGRAPH - 1939

ARM-42-72

Drawing Date
26-Feb-01

Figure
10

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Phase I Site Assessment

AERIAL PHOTOGRAPH - 1956

ARM-3P-128

Drawing Date
26-Feb-01

Figure
11

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Phase I Site Assessment

AERIAL PHOTOGRAPH - 1980

US Farm Service

Drawing Date
26-Feb-01

Figure
12

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Gowanda, New York
Phase I Site Assessment

AERIAL PHOTOGRAPH - 1990

US Farm Service

Drawing Date
26-Feb-01

Figure
13

II. Photographs

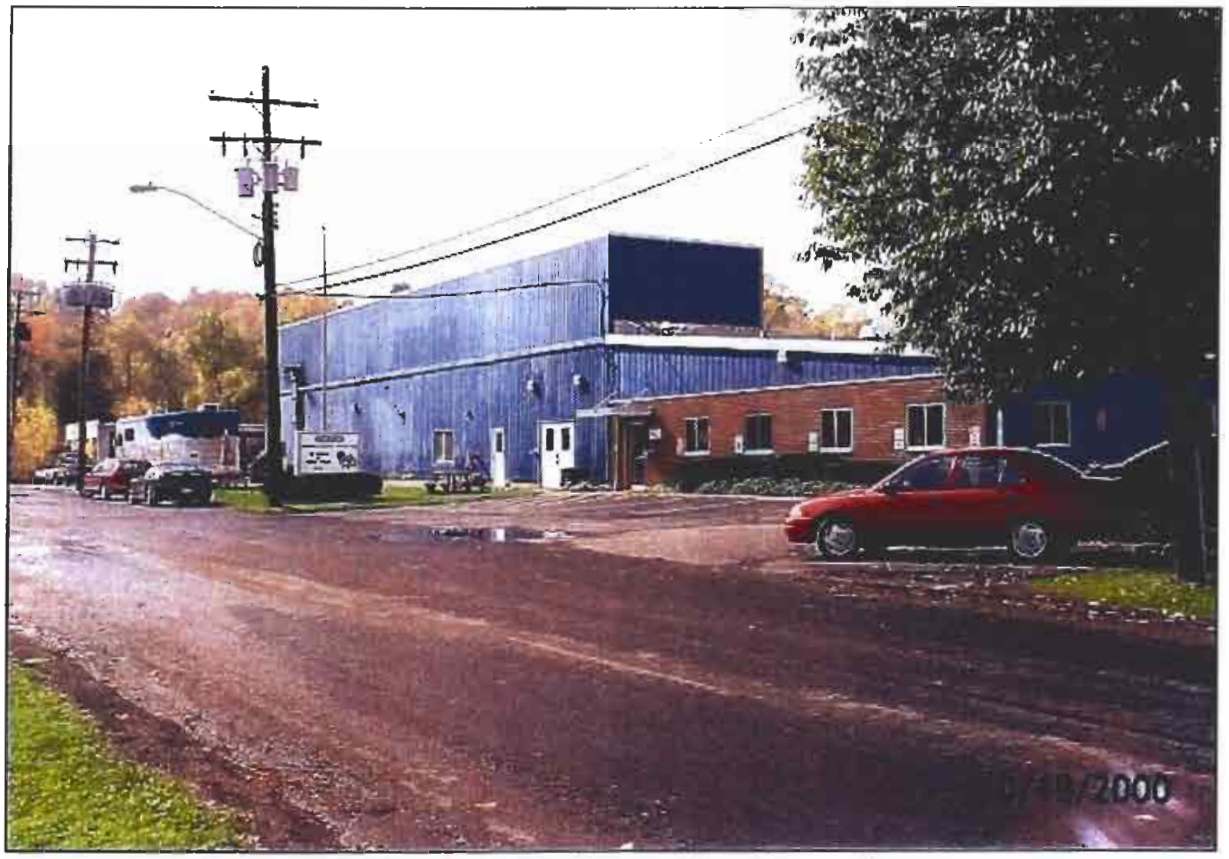


Photo 1 : View of the subject property looking south from Torrance Place

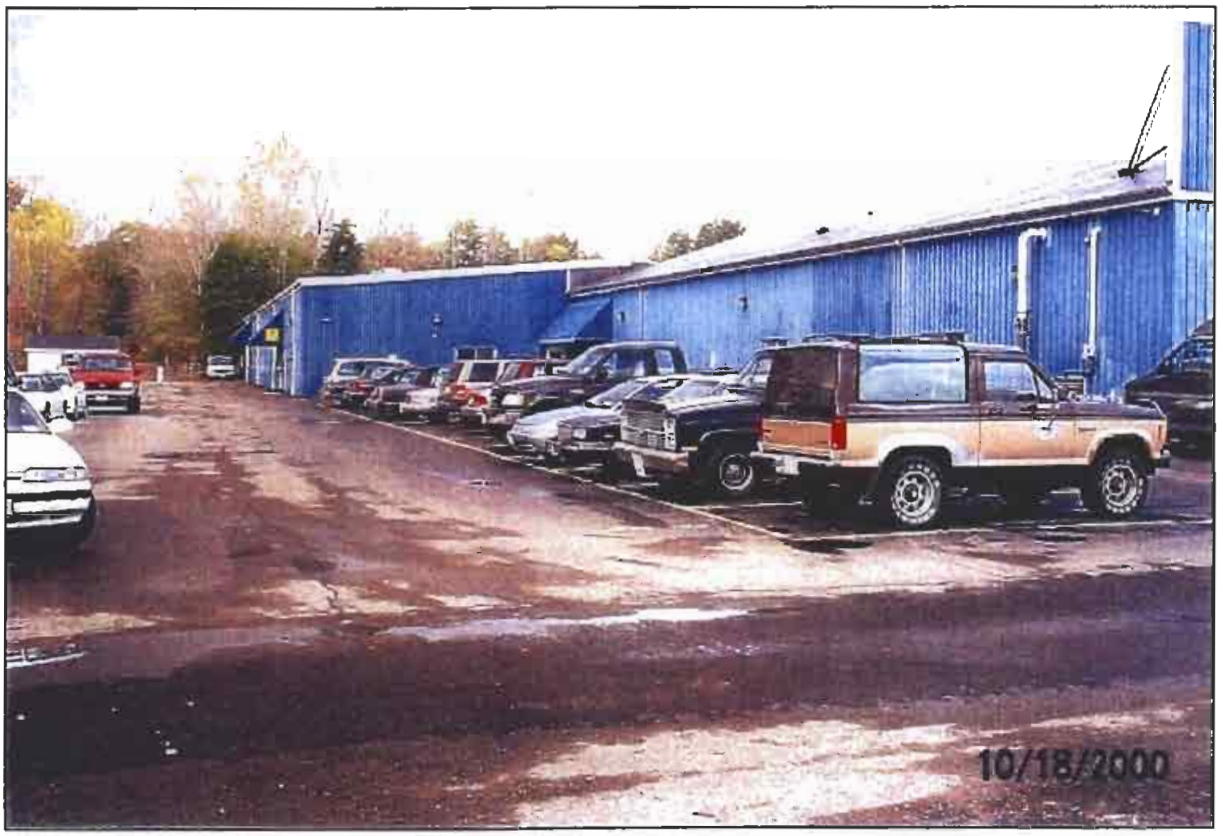


Photo 2 : View of south side of Day Center, looking west.

Taken on 23 May 00

Photo 3 : View of the subject property to the southwest.

Photo 4 : West side of building, showing dock area.

Taken on 23 May 00

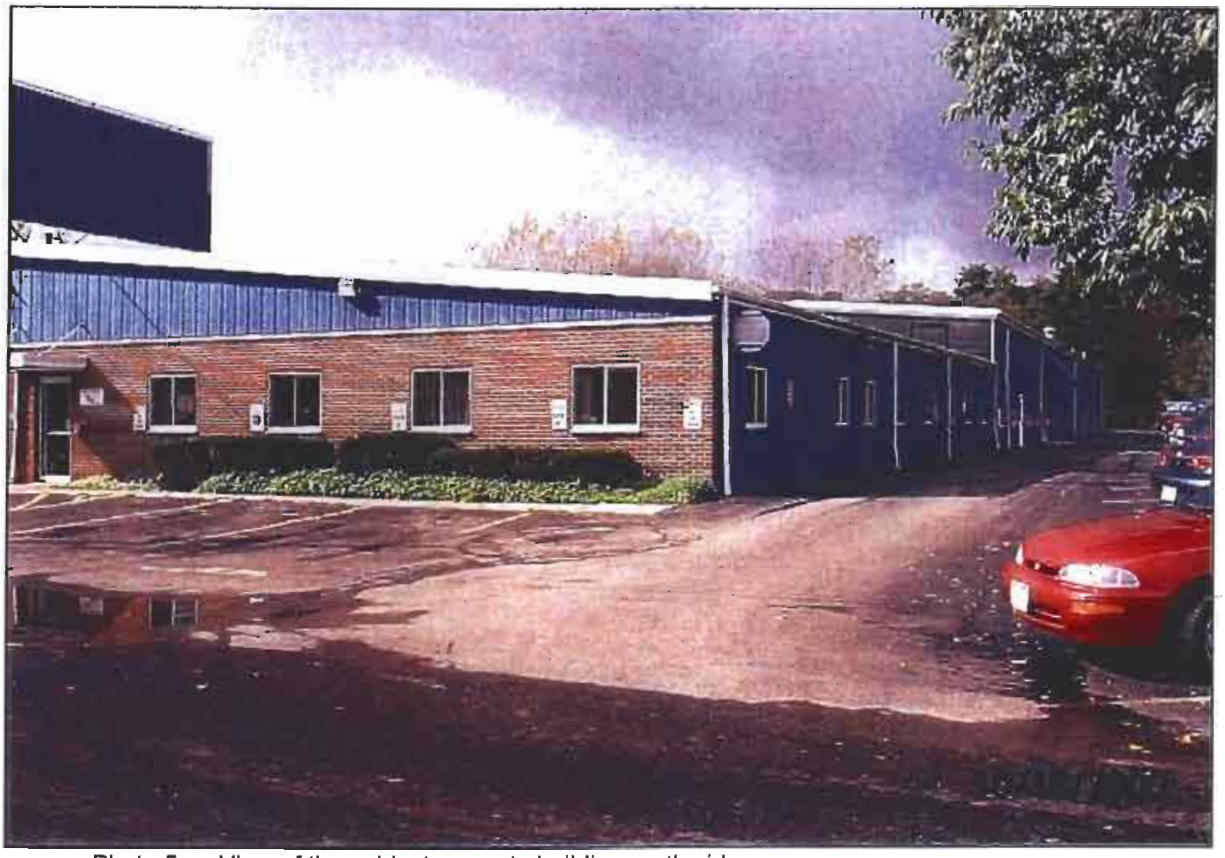


Photo 5 : View of the subject property building north side.

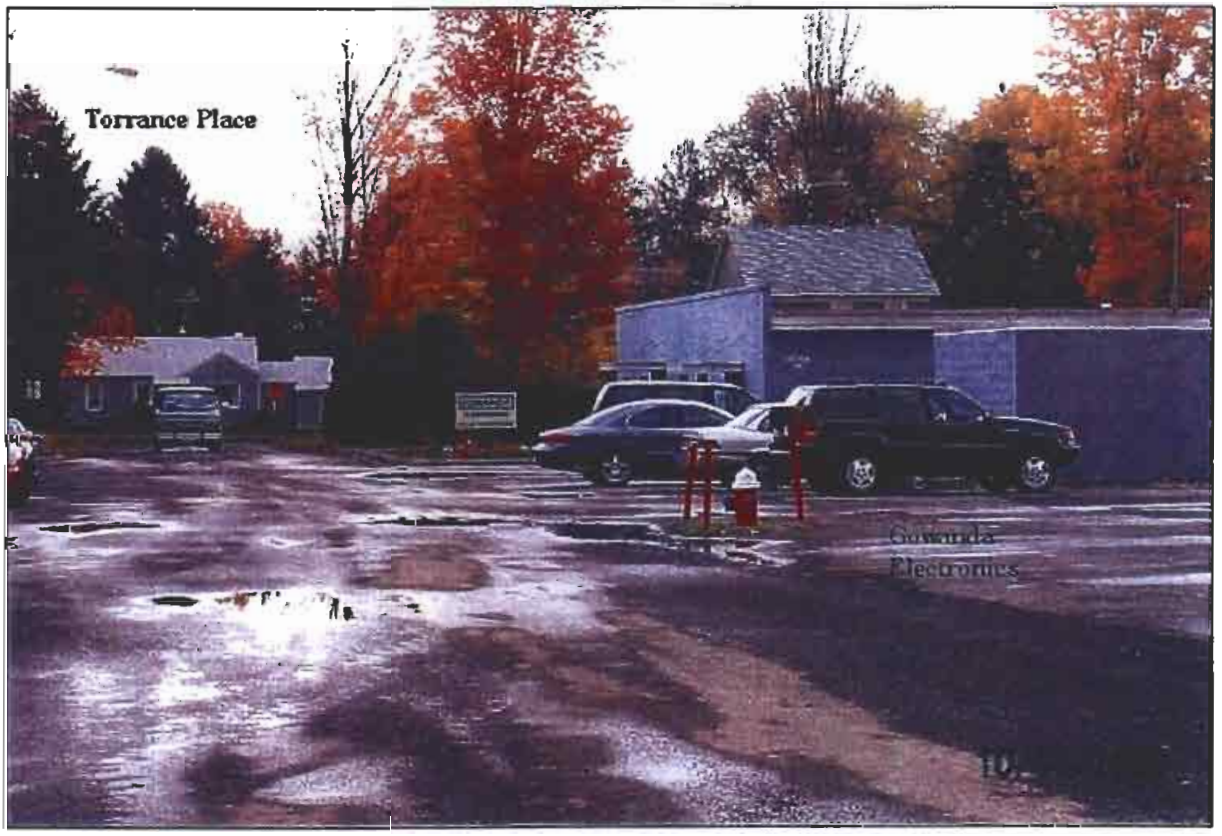


Photo 6 : Gowanda Electronics is on the right, the view is looking north on Industrial Place to the STOP sign at Torrance Place.

Taken on 23 May 00

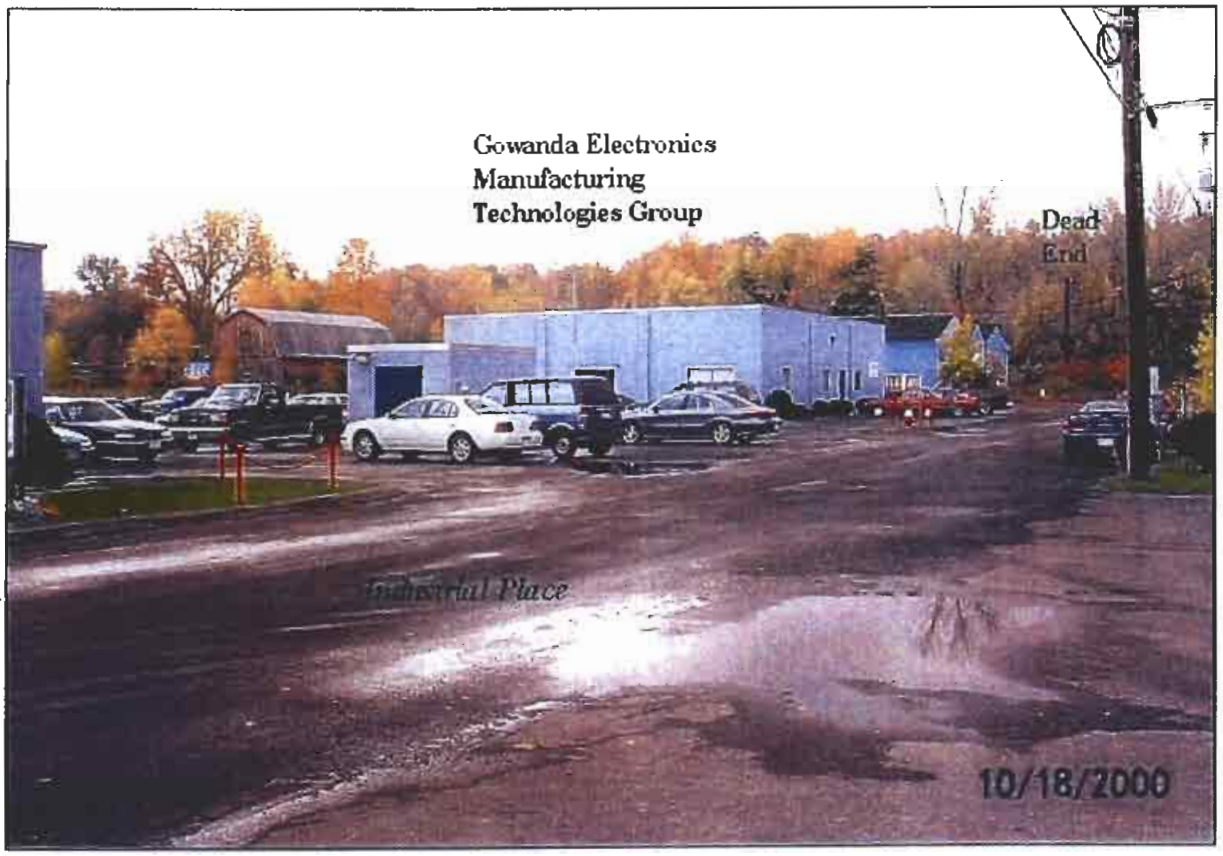


Photo 7 : View of Gowanda Electronics Technology Mfg, end of Industrial Place.

Photo 8 : View looking east toward Southtown's Machine shop and Buffalo Turbine to the south (far right of photo).

Taken on 23 May 00

III. SUBSURFACE INVESTIGATION

1.0 Installation of Test Borings

A total of 10 soil borings and three (3) temporary groundwater monitoring wells were installed to evaluate subsurface soil and groundwater conditions at the subject property. Bergmann Associates with the assistance of Maximum Technologies conducted the boring and temporary well installation program on October 7, 2000. Selected samples were also collected for laboratory analysis. The locations of the borings, designated GP-201 through GP-210 and the temporary monitoring wells are shown on Figure 2. Borehole logs are included in Appendix 3.

A total of 10 Geoprobe™ borings, direct push method, were advanced for the purpose of soil characterization and sample collection. Using a truck mounted Simco Geoprobe rig, a 2-inch stainless steel Macrocore™ sampling barrel with an acetate sleeve was advanced up to 4 foot at a time and recovered. Each sleeve was then removed from the sample barrel, cut open, and evaluated. Borings were advanced to a depth of 12 to 16 feet or terminated at refusal. The depth of each borehole is shown on the appropriate log of borehole.

The three (3) temporary groundwater monitoring wells were installed in borings GP-20 (north side of the building), GP-205 (east side of the building) and GP-206 (south side of the building). The well at GP-206 was placed in an area where the July, 2000 Soil Gas Investigation Report indicated an area of impacted soil with the highest detected concentrations of volatile organic compounds (VOCs) including Trichloroethene, cis-1,2-Dichloroethene and petroleum-based VOCs including Benzene, Toluene and Xylene.

2.0 Field Screening Observations

Each borehole profile was logged for soil type and the estimated depth to the local water table. Samples were also screened in the field to determine the presence of VOC's. An H-Nu DL-101 Photoionization Detector (PID) was used for the field screening. The instrument was calibrated prior to use following the manufacturer guidelines. Soil samples were screened after the acetate sleeve was removed from the sampling core barrel. Results of field screening are shown on each borehole log.

The field screening detected measurable VOCs in soil samples collected from borings GP-201, GP-206, GP-207, GP-209 and GP-210. Highest levels of VOCs were detected in the samples collected from boring GP-206. VOC concentrations detected in samples from GP-206 ranged from 2.1 ppm to 36 ppm.

The maximum recorded VOCs recorded during field screening in samples GP-201, GP-207, GP-209 and GP-210 were all less than 1.0 ppm.

No measurable VOCs were detected during field screening in the soil samples collected from borings GP-202, GP-203, GP-204, GP-205 and GP-208.

3.0 Collection of Soil Samples for Laboratory Analysis

A total of eight (8) borehole soil samples were selected for laboratory analysis. The number of samples submitted was in accordance with the September 14, 2000 proposal. Soil samples with highest VOCs as determined on-site screening using an H-Nu DL-101 Photoionization Detector (PID) were submitted for analysis. The remaining samples were selected based their proximity to the borings with PID readings. Soil samples were collected by hand after the acetate sleeve was removed from the sampling barrel. All sampling equipment was cleaned between borings using standard decontamination methods.

The soil samples submitted for laboratory analysis were collected from borings GP-201, GP-202, GP-205, GP-206 (two soil samples), GP-207, GP-209 and GP-210. The two (2) soil samples collected from boring GP-206 were collected from above and below the estimated water table. No samples were submitted for analysis from borings GP-203, GP-204 or GP-208.

All eight (8) soil samples were submitted for laboratory analysis by EPA Method 8260 for volatile organic compounds. Those selected for analysis were placed in pre-cleaned containers, put on ice, and transported to a New York State certified laboratory, Paradigm Environmental Services, located in Rochester, NY.

4.0 Installation of Temporary Groundwater Monitoring Wells

Three (3) temporary wells were installed to evaluate groundwater conditions that may be encountered onsite. Upon completion of the soil sampling at selected boring/well location, a PVC well was installed in the sample borehole and allowed to rest. Presence and depth to groundwater were checked during the course of the day. Two (2) of the three (3) temporary wells (GP-205 and GP-206) yielded groundwater sufficient for sampling. The well placed in Boring GP-202 was dry throughout this investigation and therefore no sample was collected from this location.

Temporary wells were constructed of 1-inch schedule 40 PVC with 5-foot long factory constructed screens located in the bottom section of each well. The screened interval consisted of 0.010 inch wide factory constructed slots. The annular space between the borehole and the well screen was filled with 00N size quartz sand (90% retention) which was slowly poured and packed around the well screen to provide a porous screening material. The sand was brought up to within 2 foot of ground surface.

The groundwater samples collected from the temporary monitoring wells at GP- 205 and GP-206 were submitted for analysis by EPA Method 8260 for volatile organic compounds. Groundwater samples collected for analysis were placed in pre-cleaned containers, put on ice and transported to Paradigm Environmental Services for analysis. All groundwater sampling equipment was cleaned between wells following standard decontamination procedures. After collection of groundwater samples the temporary

wells were removed and the borings were filled with soil cuttings with no detected VOCs and were capped with concrete at ground surface.

5.0 Estimated Depth to Groundwater

The approximate overburden groundwater elevations were determined from the temporary wells placed in borings GP-205 and GP-206. At the time of the October 7, 2000 sampling event the shallow groundwater in the overburden deposits was encountered approximately 6.5 feet below ground surface.

The approximate depth to shallow groundwater was also estimated from the soil profile observed for each of the ten (10) borings. The presence of a water bearing unit can be estimated from the initial occurrence of a wet to saturated soil profile.

The estimated depth to the shallow water table, when encountered, is shown on the logs for each boring included in Appendix 3. The water table was encountered at approximately 10 to 12 feet below ground surface on the north side of the building.

Groundwater was encountered at approximately 6.4 feet below ground surface on the east side of the building, at boring GP-205.

Groundwater was encountered at approximately 6.3 feet below ground surface on the south side of the building. Based on review of available documents groundwater at the subject parcel is likely flowing in a northerly direction.

The Bergmann July 2000 Soil Gas Investigation Summary Report included a document review of the Gowanda Electronics facility, a NYSDEC Class 2 Inactive Hazardous Waste site located approximately 500 feet east of the Day Habilitation Center. An impacted groundwater plume exists beneath the Gowanda Electronics facility. A review of available documents indicates that groundwater is flowing south to north in the area of the subject parcel. Based on available hydrogeologic data, the Day Habilitation Center is situated crossgradient from the Gowanda Electronics site and is not expected to be affected by the groundwater plume flowing in a northerly direction.

6.0 Laboratory Analytical Results of Collected Soil and Groundwater Samples

Laboratory analytical results from the soil samples are summarized in Table 1. Analytical results from the groundwater samples are summarized in Table 2. The complete laboratory analytical package of soil and groundwater samples is included in Appendix 4.

6.01 Analytical Summary on Soil Samples

Two (2) halogenated VOCs, Trichloroethene and cis-1,2-Dichloroethene, were detected. These VOCs were detected in soil samples from five (5) of the soil borings (GP-202, GP-206, GP-207, GP-209 and GP-210). Both of these halogenated VOCs were detected in the two (2) soil samples collected from boring GP-206.

The soil analytical results were compared to applicable New York State clean-up criteria. The New York State Department of Environmental Conservation (NYSDEC) has established recommended cleanup objectives for petroleum compounds, volatile organic compounds, heavy metals, PCBs and other parameters. The halogenated VOCs detected in the soil samples during this investigation were compared to the recommended soil cleanup objectives listed in Table 1 of the NYSDEC document HWR-94-4046, Determination of Soil Cleanup Objectives and Cleanup Levels.[1]

The cleanup objectives listed in HWR-94-4046 provide a basis to determine soil cleanup objectives at Federal Superfund, State Superfund and/or other responsible party sites at which a remediation program is warranted. Actual site cleanup objectives are based on site specific criteria including impact to the environment, site use, remedial actions or institutional controls. The objectives used in this report are used for reference purposes only and are not presented as actual soil cleanup levels applicable to this facility.

The chlorinated VOC Trichloroethene was detected in the soil samples collected from borings GP-202, GP-206 (both samples), GP-207, GP-209 and GP-210. HWR-94-4046 lists a recommended Trichloroethene soil cleanup objective of 0.7 ppm (0.7 parts per million) equivalent to 700 ppb (700 parts per billion).

The detected Trichloroethene concentrations in both soil samples collected from boring GP-206 (4,000 ppb in the 2 to 4 foot interval and 1,120 ppb in the 8 to 10 foot interval) exceeded the recommended cleanup objective of 700 ppb. The detected Trichloroethene concentrations in the samples from the remaining four (4) boring soil samples were all below the recommended soil cleanup objective.

The chlorinated VOC cis-1,2-Dichloroethene was detected in the soil samples collected from borings GP-202, GP-206 (both samples) and GP-209. HWR-94-4046 lists a recommended cleanup objective for 1,2 Dichloroethene (applicable to similar isomers) of 0.3 ppm, equivalent to 300 ppb.

The detected cis-1,2-Dichloroethene concentration in the upper soil sample collected from boring GP-206 (the 2 to 4 foot interval) exceeded the recommended cleanup objective of 300 ppb. The detected concentrations in the lower sample from GP-206 and the other samples collected from borings GP202 and GP-209 were all below the recommended soil cleanup objective.

---

[1] "Determination of Soil Cleanup Objectives and Cleanup Levels", New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation, Division of Technical and Administrative Guidance Memorandum HWR-92-4046, Revised January 24, 1994.

No other VOCs were detected in the eight (8) soil samples. Reported results for all remaining Method 8270 constituents were reported as less than method detection limits. No aromatic VOCs that would be indicative of gasoline or other petroleum distillates (such as Benzene, Toluene or Xylene) were detected in any of the eight (8) soil samples.

No measurable VOCs were detected in the soil samples collected from borings GP-201 or GP-205. Results for all Method 8270 constituents were less than the method detection limits for samples from these borings.

6.02 Analytical Summary on Groundwater Samples

Three (3) halogenated VOCs were reportedly detected in the groundwater sample collected from the temporary well placed in boring GP-206. These VOCs consisted of Trichloroethene, cis-1,2-Dichloroethene and Vinyl Chloride. No other VOCs were detected in the groundwater sample from boring GP-206. Groundwater analytical results are summarized in Table 2 along with applicable New York State ambient water quality standards and guidance values.

No VOCs were reportedly detected in the groundwater sample collected from the temporary well placed in boring GP-205.

The groundwater analytical results were compared to applicable New York State clean-up criteria. The halogenated VOCs detected in the GP-206 groundwater samples during this investigation were compared to the Class GA guidance values listed in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values.[2]

All three (3) of the halogenated VOCs detected in the GP-206 groundwater sample exceeded the relative New York State Class GA ambient water quality standard. Trichloroethene was detected at a concentration of 1,600 ug/L (1,600 ppb), which exceeded the Class GA standard of 5.0 ug/L (5.0 ppb). The VOC cis-1,2-Dichloroethene was detected at a concentration of 1,000 ug/L, which exceeded the relative Class GA standard of 5.0 ug/L. Vinyl chloride was detected at a concentration of 121 ug/L, which exceeded the relative Class GA standard of 2.0 ug/L.

[2] "Ambient Water Quality Standards and Guidance Values", New York State Department of Environmental Conservation, Division of Water technical and Operational Guidance Series 1.1.1, October 22, 1993.

LEGEND

TEST BORING ●

TEMPORARY MONITORING WELL ⊕

*ALL BORINGS AND WELLS INSTALLED 10/07/00

EASEMENT TO THE VILLAGE OF GOWANDA

PROPERTY LINE

PARKING

DAY HABILITATION CENTER (AVM BUILDING)

GP 201

GP 202

GP 203

GP 204

GP 205

GP 206

GP 207

GP 208

GP 209

GP 210

PROPERTY LINE

PROPERTY LINE

INDUSTRIAL PKWY

DASNY

GOWANDA DAY HABILITATION CENTER
4 INDUSTRIAL PLACE
GOWANDA, NY

ARCHITECTURAL RESOURCES
493 FRANKLIN ST.
BUFFALO, NY 14202

BERGMANN associates
Engineers / Architects / Surveyors

DRAWING TITLE:
TEST BORING LOCATION MAP

BY:
J.KALB/J.MARSCHNER

CHK'D BY:
E.JONES/J.MARSCHNER

REPORT DATE:
FEBRUARY 28, 2001

JOB #:
4696.01

SHEET #:
FIG-14

III. Tables

ARCHHITECTURAL RESOURCES
DAY HABILITATION CENTER
GOWANDA, NEW YORK
TABLE 1
VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
ANALYTICAL RESULTS
SAMPLED OCTOBER 7, 2000

BORING, SAMPLE NUMBER AND SAMPLE INTERVAL

VOC ***Compound Detected***	GP-201 S2 4.0 - 6.0ft	GP-202 S2 6.4 - 7.4ft	GP-205 S2 6.0 -7.0ft	GP-206 S2 2.0 -4.0ft	GP-206 S4 8.0 - 10.0ft	GP-207 S1 2.0 - 3.0ft	GP-209 S1 1.0 -2.5ft	GP-210 S2 5.2 -5.7ft	NYSDEC Recommended Cleanup Objectives
cis-1,2-Dichloroethene	ND	13.1	ND	391	235	ND	60.1	ND	300
Trichloroethene	ND	124	ND	4000	1120	24.6	367	68.4	700

Notes: 1) Laboratory services provided by Paradigm Environmental Services
2) Analytical method EPA 8260 used for analysis for VOC's
3) Analytical results expressed in ug/L or ppb (parts per billion)
4) ND = Not Detected
5) New York State Recommended Cleanup Objectives obtained from TAGM 94-4046

ARCHITECTURAL RESOURCES
DAY HABILITATION CENTER
GOWANDA, NEW YORK
TABLE 2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES
ANALYTICAL RESULTS
SAMPLED OCTOBER 7, 2000

VOC Compound Detected	Well TW-205	Well TW-206	New York State Class GA Standard
cis-1,2-Dichloroethene	ND	1000	5
Trichloroethene	ND	1600	5
Vinyl Chloride	ND	121	2
		3.7 (ppm)	

1) Laboratory services provided by Paradigm Environmental Services.
2) Analytical method EPA 8260 used for analysis for VOC's.
3) Analytical results expressed in ug/L or ppb.
4) ND = Not Detected
5) New York State Class GA Groundwater Standards from TOGS 1.1.1

IV. INDOOR AIR QUALITY MONITORING

The objective of the proposed monitoring program was to conduct indoor air quality (IAQ) testing in two ways. The first was to conduct a 24-hour indoor air quality study to address the status of elevated CO2 levels, found in past evaluations, in specific rooms of the building. The second was to collect and analyze samples of indoor air, collected over an 8-hour work period, using Summa™ collection canisters and submitting the samples for analysis to determine the possible presence of VOCs.

1.0 24 Hour Carbon Dioxide Monitoring

Using two (2) Q-TRAK IAQ monitors, the indoor air quality parameters carbon dioxide (CO2), carbon monoxide (CO), temperature and humidity were recorded in rooms 39 and 85. Measurements and data were collected on September 20 and 21, 2000 and a return visit for instantaneous readings was made on December 7, 2000. Sample results are included in Appendix 5.

Q-Track monitoring instrumentation was placed in rooms 39 and 85 and allowed to collect data for the above noted parameters for a period of 24 hours starting September 20, and for 8 hours starting September 21. Based on the results of this sampling, the facility installed return air fans in some of the HVAC duct work in the facility. Bergmann Associates returned on December 7, 2000 to conduct additional instantaneous readings in the facility using the Q-Trak monitor to determine if air quality had improved in the two rooms. Spot checks were also conducted at various locations throughout the building. The results of the December 7, 2000 visit can be found in Table 4.

2.0 Indoor Air VOC Monitoring

Severn Trent Laboratory prepared Summa collection canisters that were used to collect air samples for VOC analysis. The samples were collected over an 8-hour working period in the identified room for that specific sample date.

Summa canister were placed at 12 locations at the Day Habilitation Center. Canisters were placed at areas of concern/potential impact as determined with the assistance of facility personal. One canister was placed outside the building on the south side to evaluate background air quality. Air sample locations are shown on Figure 3.

After collection samples were packaged and shipped to Severn Trent Laboratories for analysis by Method T0-14A. The sample results are summarized in Table 3. The complete laboratory analytical reporting results on the indoor air quality samples collected on September 20 & 21, 2000 are included in Appendix 5.

Also during the IAQ sampling program, instantaneous readings were taken with a hand held H-Nu Photoionization meter to assess levels of VOCs that may be present in the

building. A minimum of two readings per day of the entire building were made on two different days. Results of the evaluation yielded no detection of VOC's inside or outside the building at the part per million (PPM) range.

3.0 Indoor Air Sample Results

The results of the analysis were compared to the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values for the specific chemicals detected. Those compounds not included in the ACGIH were compared to Occupational Safety and Health Administration (OSHA) limits. All of the identified constituents were detected at concentrations below the established Threshold Limit Value, Time Weighted Average established by the ACGIH or OSHA.

Threshold Limit Values (TLVs) refer to airborne concentrations of substances and represent conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse health effects. Because of the wide variation in individual susceptibility, however, a small percentage of people may experience discomfort from some substances at concentrations at or below the threshold limit. The TLVs, as issued by ACGIH, are recommendations and should be used as guidelines for good practices.

There are three (3) categories of TLVs:

1. Threshold Limit Value-Time Weighted Average-(TLV-TWA)-the time-weighted average concentration for a conventional 8-hour workday and a 40 hour work week, to which it is believed that nearly all workers may be repeatedly exposed, day after day, without adverse effect.

2. Threshold Limit Value-Short Term Exposure Limit-(TLV-STEL)-the concentration to which it is believed that workers can be exposed continuously for a short period of time without suffering from irritation. A STEL is defined as a 15-minute TWA exposure which should not be exceeded at any time during a workday even if the 8 hour TWA is within the TLV-TWA.

3. Threshold Limit Value-Ceiling (TLV-C)-the concentration that should not be exceeded during any part of the working exposure.

According to ACGIH, Carbon Dioxide (CO2) –TLV-TWA is 5000 ppm and TLV-STEL is 30,000 ppm. All samples taken at this facility were well below this TLV-TWA.

The American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) has issued guidelines for indoor air quality as a design basis for building HVAC system performance to maintain comfortable conditions. ASHRAE recommends action measures be taken if indoor CO2 levels exceed 1,000 ppm. Indoor CO2 levels monitored on September 20 and 21, 2000 were generally less than the recommended

action level, however, many readings were very near the action level during peak building occupancy.

Of the 12 areas that were sampled for VOCs, trace quantities of contaminates were found in each area. The following constituents were detected:

- Trichlorofluromethane (Freon 11)
- Dichloridifluoromethane (Freon 12)
- Chloroform
- Trichloroethene
- Cis-1,2-Dicloroethene
- Chloromethane
- Toluene

Some of these compounds were also detected in the outdoor air sample collected at the same time indicating they are present at background conditions and not related to any particular source of contamination.

Table 3 presents a summary of the VOCs detected in the various indoor air samples. Also presented in the table are the ACGIH or OSHA (most conservative value was used) occupational exposure limits for the compounds. These trace levels detected are hundreds of times lower than these current occupational limits.

Many of these compounds are commonly found in indoor air and are present from various sources of building materials or consumer products. The following are potential sources of the compounds found in the indoor air quality evaluation:

- The presence of Freon (Trichlorofluromethane and Dichloridifluoromethane) may be attributed to either propellant from the HVAC system or propellants from any type of aerosol can or aerosol based system such as cleaning supplies. Dichloridifluoromethane was also detected in the outside air sample.

- Toluene can be found in many everyday substances including cosmetics, perfume, cleaning supplies, paper coating and glazing, soap and other detergents, metal cans, adhesives and sealants, medical laboratories, footwear, fabricated rubber products, household refrigerators and freezers, metal doors, sashes and trim and paint. Toluene is also present in petroleum fuels such as gasoline and diesel fuel and vehicle exhaust. Toluene was detected in the outside air sample.

- Chloroform can be found in adhesives and sealants, medical laboratories, footwear and paint to name a few sources.

- Trichloroethene is used as an industrial solvent commonly for metal degreasing operations. It can also be present in other consumer products such as paint related products, laundry aids, cleaning products, sheet vinyl flooring, and sealants or adhesives. This constituent was detected in soil samples and groundwater samples collected adjacent to the building, and was also detected in outdoor soil gas samples collected in June, 2000.

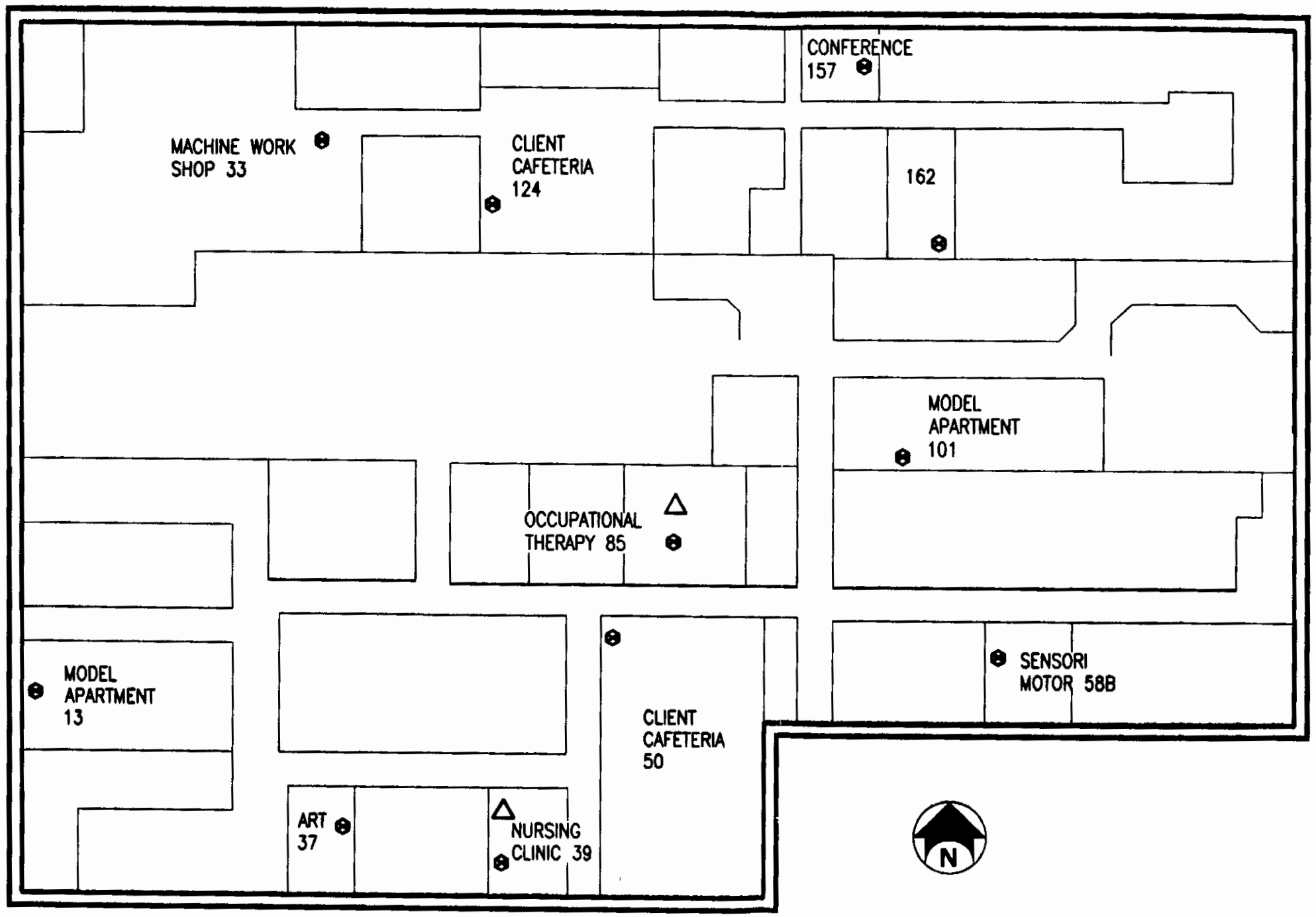
IV. Figures

LEGEND

8 HOUR SUMMA CANISTER SAMPLE POINT ⊗

Q-TRACK MONITORING POINT (39 & 85) ◁

SAMPLING PERFORMED SEPTEMBER 20th & 21st, 2000



● OUTSIDE SOUTH

DASNY

GOWANDA DAY HABILITATION CENTER
4 INDUSTRIAL PLACE
GOWANDA, NY

ARCHITECTURAL RESOURCES
493 FRANKLIN ST.
BUFFALO, NY 14202

BERGMANN associates
Engineers / Architects / Surveyors

DRAWING TITLE:
INDOOR AIR SAMPLES POINTS

BY:
J. KALB/J. MARSCHNER

CHK'D BY:
E.JONES/J. MARSCHNER

REPORT DATE:
FEBRUARY 28, 2001

JOB #:
4666.01

SHEET #:
FIG. 18

ARCHITECTURAL RESOURCES
DAY HABILITATION CENTER
GOWANDA, NEW YORK
TABLE 3
VOLATILE ORGANIC COMPOUNDS DETECTED IN INDOOR AIR SAMPLES
ANALYTICAL RESULTS
SAMPLED SEPTEMBER 20 & 21, 2000

	Room Number												Applicable Exposure Limit	
TO-14A VOC's in AIR	Outside 09/20/00	13 09/21/00	50 09/20/00	33 09/21/00	37 09/20/00	39 09/20/00	58B 09/20/00	85 09/20/00	101 09/21/00	124 09/21/00	157 09/21/00	162 09/21/00	TWA in ppm	TWA in ppb
Dichloridifluoromethane*	0.58	nd	nd	0.84	0.58	nd	nd	nd	nd	0.88	0.56	0.60	1000 ACGIH	1.0
Chloroform	nd	nd	0.70	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.0 ACGIH	0.002
Cis-1,2-Dicloroethene	nd	nd	nd	nd	nd	nd	nd	0.72	nd	nd	nd	2.20	200 OSHA	0.2
Clorormethane	0.57	nd	nd	nd	nd	nd	nd	0.60	nd	nd	nd	0.67	50 OSHA	0.05
Toluene	0.52	2.10	0.89	nd	0.61	1.10	1.20	1.40	0.69	nd	0.74	0.53	50 ACGIH	0.05
Trichloroethene	nd	nd	9.40	nd	nd	2.20	0.79	2.80	nd	nd	nd	nd	50 OSHA	0.05
Trichlorofluromethane*	nd	nd	0.50	0.57	nd	nd	2.60	1.00	1.90	0.55	0.87	0.52	1000 OSHA	1.0

Notes:
1. Samples collected by Summa Canister and run by Severn Trent Laboratories for T0-14A analysis
2. nd = Not Detected
3. Analytical Results expressed in PPBV.
4. TWA = Time Weighted Average
5. ACGIH = American Conference of Governmental Industrial Hygienists
6. OSHA = Occupational Safety and Health Administration
7. * = Compound Trade Names:
   Dichloridifluoromethane also known as Freon 12.
   Trichlorofluromethane also known as Freon 11.

ARCHITECTURAL RESOURCES
DAY HABILITATION CENTER
GOWANDA, NEW YORK
TABLE 4
INDOOR AIR CARBON DIOXIDE LEVELS
SAMPLED DECEMBER 7, 2000

Room Number	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Temperature (Fahrenheit)	Humidity (%)
39 - Nurses Clinic	648	0	71.4	42.2
58B - Sensori Motor	1099	0	72.5	49.5
62 - BOCES	962	0	71.5	47.1
81 - Corridor	932	0	72.3	46.8
85 - Occupational Therapy	895	0	74.7	42
128 - Cognitive Skills	748	0	71.6	45.8

Notes: Instantaneous readings collected on the above date.

V. FINDINGS

Based on the results of the limited subsurface investigation field screening, laboratory analysis on collected samples and the indoor air quality monitoring, Bergmann Associates presents the following findings:

- Carbon Dioxide levels measured within the facility were well below worker exposure standards and generally less than or very near the ASHRAE recommended action level during peak building occupancy. High occupancy of some rooms during the day develop the greatest buildup of Carbon Dioxide and may not have adequate air circulation to maintain comfortable conditions.

- Constituents detected in indoor air samples include several Volatile Organic Compounds (VOCs) present in gasoline and other petroleum distillates, along with refrigerants and chlorinated solvents. All detected constituents were detected at concentrations below applicable indoor air quality standards.

- The concentration of VOCs measured in the indoor air using the highly sensitive methodology utilized for this investigation was found to be in the parts per billion (ppb) range, which approximates the levels typically found in residential and office environments (US EPA Indoor Environmental Management Branch; and World Health Organization Air Quality Guidelines). These trace levels are hundreds of times lower than current occupational limits, and, in fact, would not even be detectable using typical OSHA sampling methods.

- Groundwater impacted with Trichloroethene, cis-1,2-Dichloroethene and Vinyl Chloride has been detected along the building's southern perimeter. Detected concentrations of these constituents were present above New York State groundwater standards.

- Subsurface soil samples impacted with Trichloroethene and cis-1,2-Dichloroethene was detected along both the southern and northern perimeters of the building. The area of highest concentration of impacted soil was detected on the south side of the building, in the same general area were elevated concentrations of solvents were previously detected. The concentrations of these constituents at locations along the southern perimeter of the building exceeded NYSDEC recommended cleanup objectives. Detected concentrations of the same constituents in soil samples collected from the northern perimeter of the building were present at lower concentrations, below recommended cleanup objectives.

- The results of the limited subsurface investigation conducted as part of this study confirms the presence of the chlorinated solvents at the subject parcel detected during the previous investigation. This limited investigation indicates that both soil and groundwater at the subject parcel have been impacted. The area of highest impact was located along the southern perimeter of the building. The local groundwater in shallow overburden deposits is inferred to be flowing in a northerly direction. Based

on the detection of chlorinated solvents on the southern and northern building perimeter and the detection of the same constituents in indoor ambient air samples, an area of impacted soil and groundwater may be present beneath the Day Habilitation Center.

- The results of this investigation indicates a possible correlation between indoor air quality within the Day Habilitation Center and the impacted soil and groundwater adjacent to the building footprint.

APPENDICES

Appendix 1

SITE ASSESSMENT PLUS REPORT

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: Not Provided 1 Industrial Place Gowanda, NY Latitude/Longitude: (42.458357, 78.935757)	Jim Marschner Bergmann Associates 28 E Main St Suite 200 Rochester, NY 14614

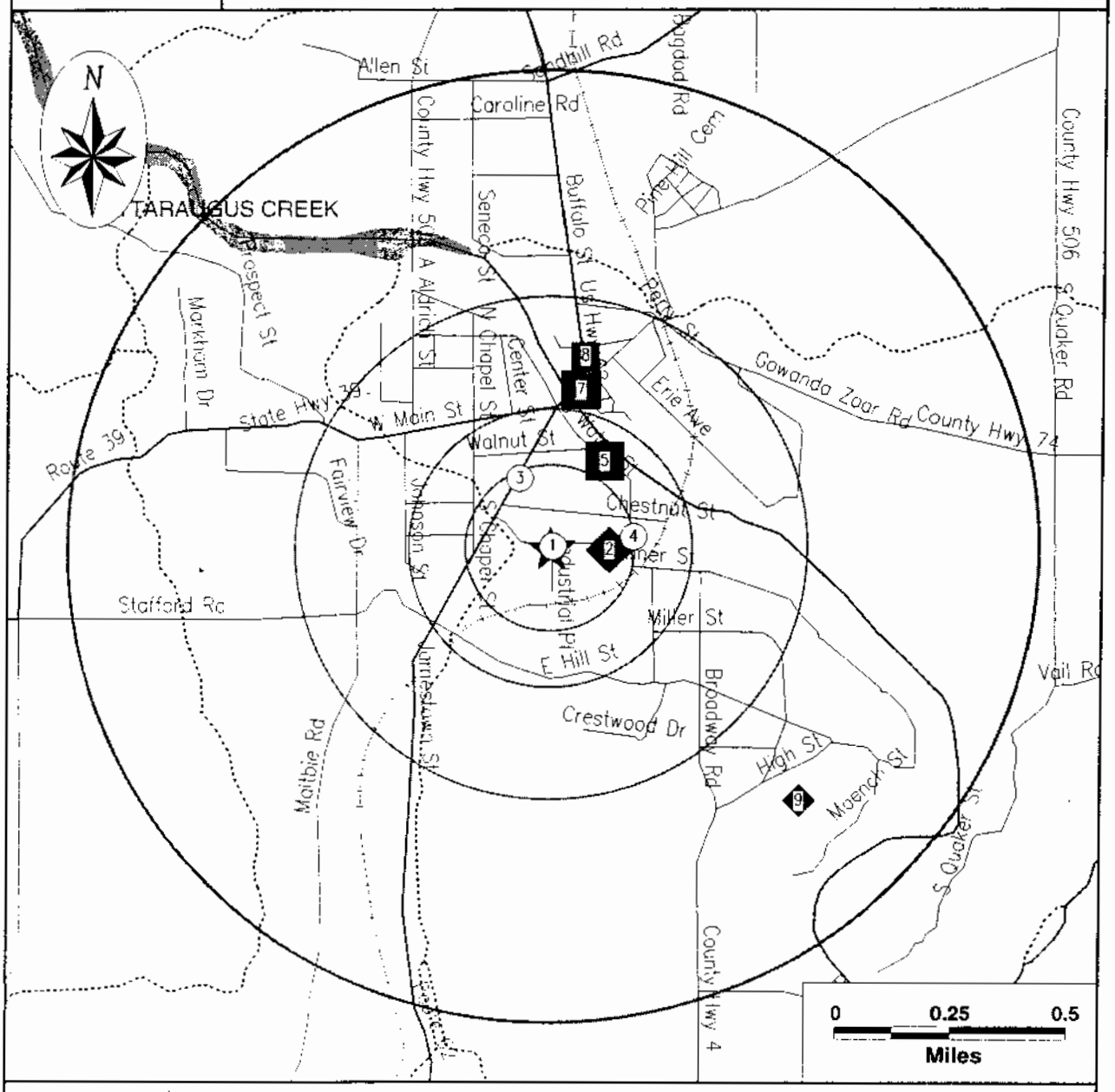
Site Distribution Summary Agency / Database - Type of Records			within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
A) Databases searched to 1 mile:						
US EPA	NPL	National Priority List	0	0	1	0
US EPA	CORRACTS	RCRA Corrective Actions	0	0	0	1
STATE	SPL	State equivalent priority list	1	0	1	1
B) Databases searched to 1/2 mile:						
STATE	SCL	State equivalent CERCLIS list	1	0	1	-
US EPA	CERCLIS / NFRAP	Sites currently or formerly under review by US EPA	0	0	0	-
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	0	-
STATE REG CO	LUST	Leaking Underground Storage Tanks	0	1	2	-
STATE/ REG/CO	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	2	-
USGS/STATE	WATER WELLS	Federal and State Drinking Water Sources	0	0	0	-
C) Databases searched to 1/4 mile:						
US EPA	RCRA Viol	RCRA violations/enforcement actions	0	0	-	-
US EPA	TRIS	Toxic Release Inventory database	0	0	-	-
STATE	UST/AST	Registered underground or aboveground storage tanks	0	1	-	-
D) Databases searched to 1/8 mile:						
US EPA	ERNS	Emergency Response Notification System of spills	1	-	-	-
US EPA	GNRTR	RCRA registered small or large generators of hazardous waste	1	-	-	-
STATE	SPILLS	State spills list	2	-	-	-

This report meets the ASTM standard E-1527 for standard federal and state government database research in a Phase I environmental site assessment. A (-) indicates a distance not searched because it exceeds these ASTM search parameters.

NOTES

SITE ASSESSMENT PLUS REPORT

Map of Sites within One Mile



Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	△	○
	Multiple Sites	◆	■	△	○
		NPL, SPL, CORRACTS (TSD)	CERCLIS\ NFRAP, TSD, LUST, SWLF, SCL	RCRA VIOL, TRIS, UST	ERNS, GENERATORS

Highways and Major Roads
Roads
Railroads
Rivers or Water Bodies
Utilities

If additional databases are listed in the cover page of the report they are also displayed on this map. The map symbol used corresponds to the database category letter A,B,C,D.

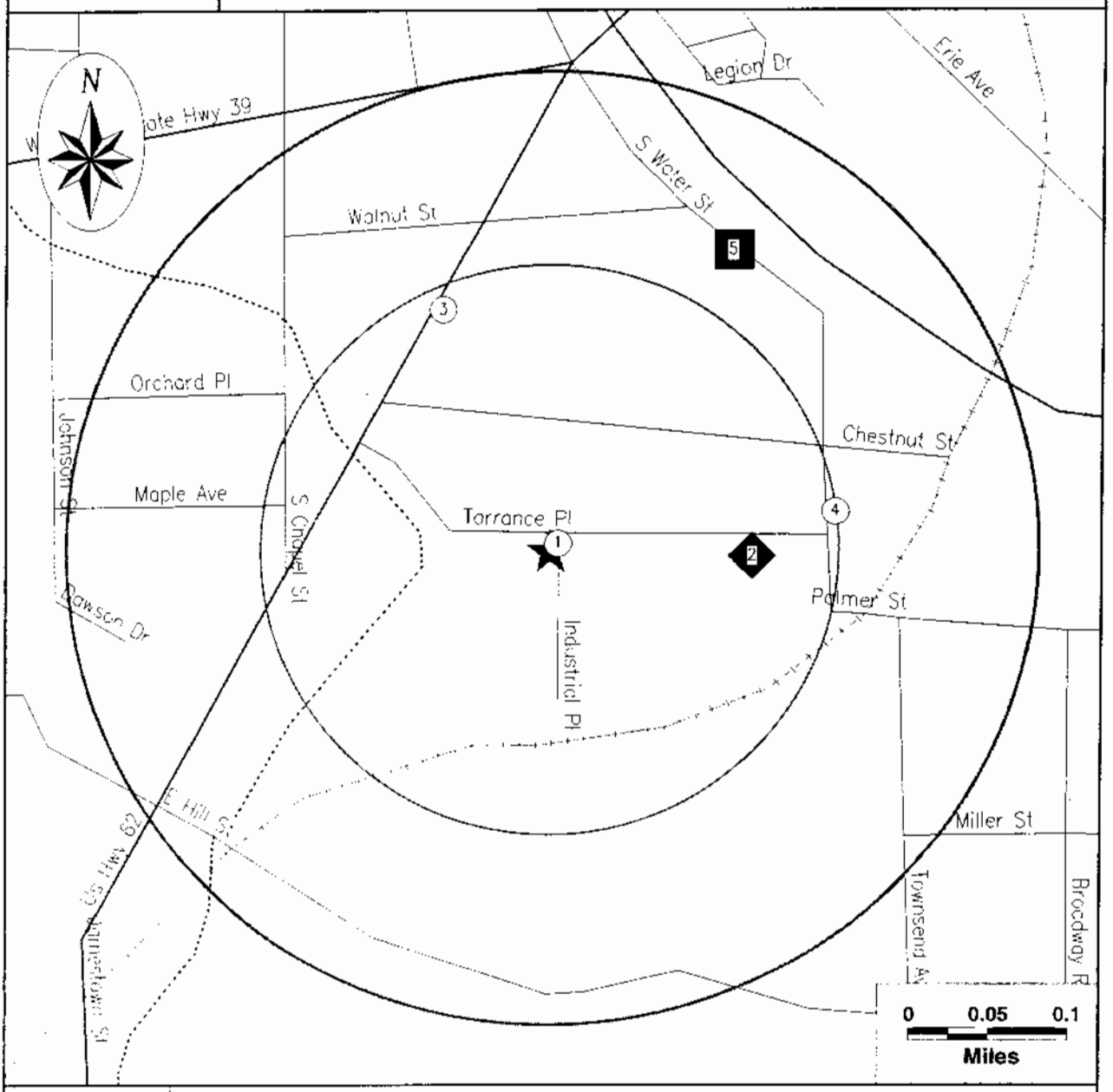
For More Information Call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403**

Report ID: **184701902**

Date of Report: **August 25, 2000**

SITE ASSESSMENT PLUS REPORT

Map of Sites within Quarter Mile



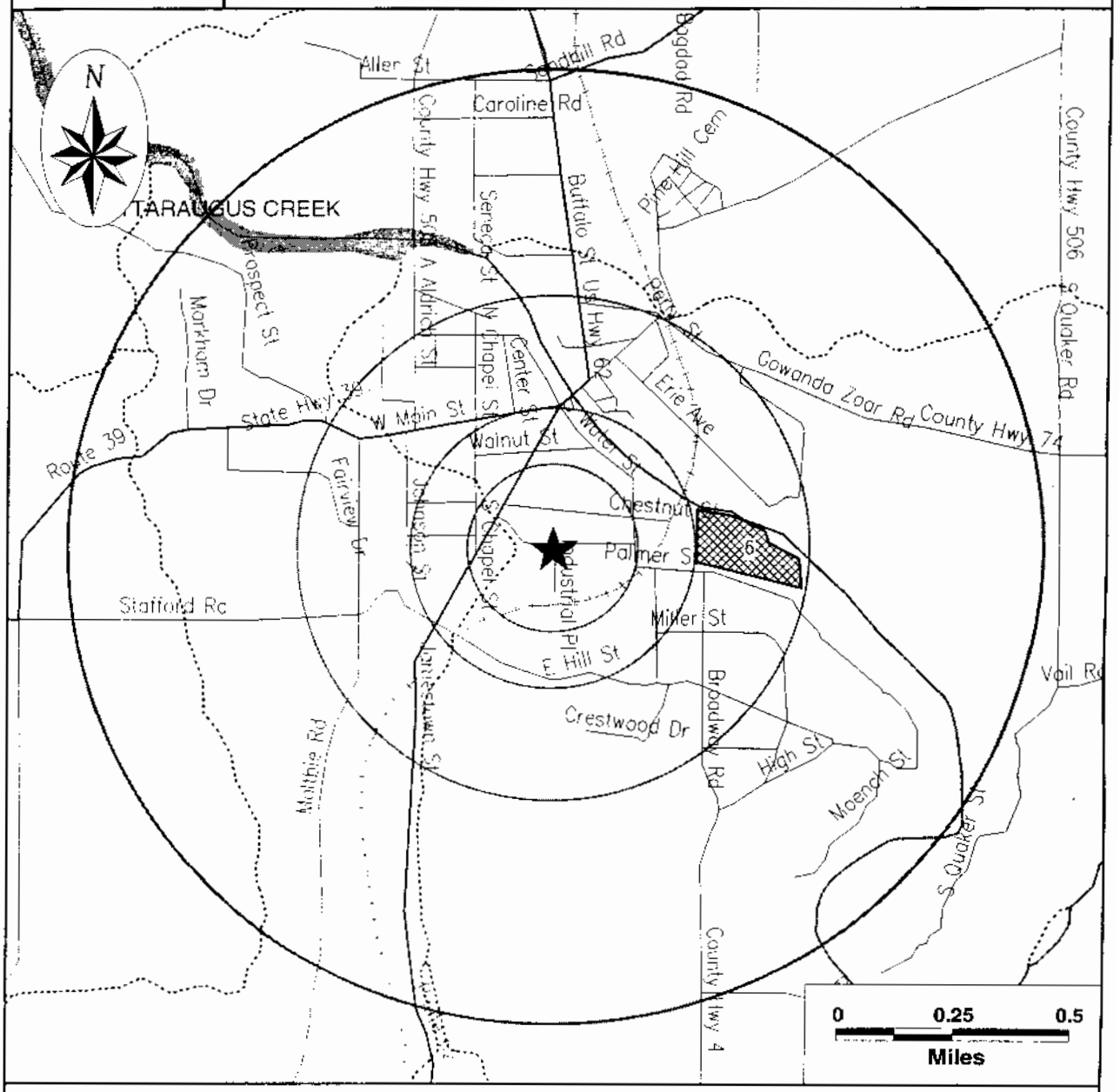
	Category:	A	B	C	D
Subject Site ★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	△	○
	Multiple Sites	◆	■	△	○
		NPL, SPL, CORRACTS (TSD)	CERCLIS\ NFRAP, TSD, LUST, SWLF, SCL	RCRA VIOL, TRIS, UST	ERNS, GENERATORS

Highways and Major Roads
Roads
Railroads
Rivers or Water Bodies
Utilities

If additional databases are listed in the cover page of the report they are also displayed on this map. The map symbol used corresponds to the database category letter A,B,C,D.

SITE ASSESSMENT PLUS REPORT

Sites Represented as Polygons



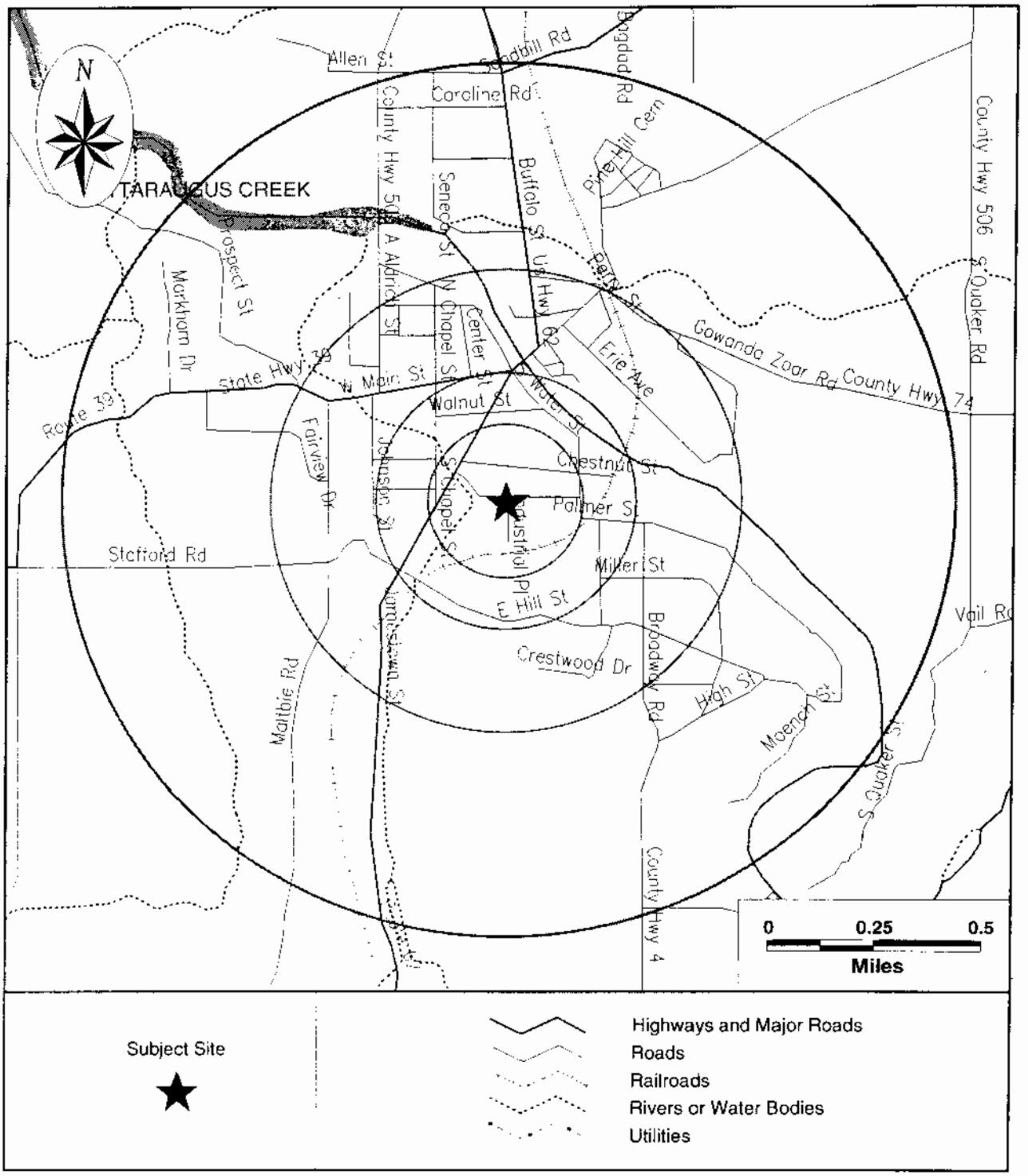
These boundaries are approximated from agency records or other sources such as published maps. They may represent property boundaries, impact zones, or study areas. For more information contact the agency referenced by source number in the site listing.

Subject Site

Highways and Major Roads
Roads
Railroads
Rivers or Water Bodies
Utilities

SITE ASSESSMENT PLUS REPORT

Street Map



SITE ASSESSMENT PLUS REPORT

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID / DISTANCE / DIRECTION	A			B						C			D		
			NPL	CORRACTS	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	WATER WELLS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
1	GOWANDA ELECTRONICS CORP 1 INDUSTRIAL PL GOWANDA, NY 14070	2722256 0.00 MI NA														X	X
2	AVM-GOWANDA ONE INDUSTRIAL PLACE GOWANDA, NY 14070	7029373 0.07 MI E			X												
2	AVM-GOWANDA GOWANDA, NY 14070	501041323 0.07 MI E				X											
3	OIL IN ROAD-GOWANDA 88 JAMESTOWN STREET GOWANDA, NY 14070	4255883 0.11 MI NW															X
4	NEW YORK LAKE ERIE RR 50 COMMERCIAL ST GOWANDA NY 14070 GOWANDA, NY 14070	8123902 0.12 MI E													X		

MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	VISTA ID / DISTANCE / DIRECTION	A			B						C			D		
			NPL	CORRACTS	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	WATER WELLS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
5	NYNEX 91 S WATER ST GOWANDA, NY 14070	7201297 0.16 MI NE												X			
5	NEW YORK TELEPHONE CO 91 S WATER ST GOWANDA, NY 14070	763493 0.17 MI NE							X							•	•

MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID / DISTANCE / DIRECTION	A			B						C			D		
			NPL	CORRACTS	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	WATER WELLS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
6	PETER COOPER LANDFILL PALMER ST GOWANDA, NY 14070	6683207 0.25 MI	X		X	X									•		

X = search criteria; • = tag-along (beyond search criteria).
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**
Report ID: **184701902** Date of Report: **August 25, 2000**

MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID / DISTANCE / DIRECTION	A			B							C			D		
			NPL	CORRACTS	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	WATER WELLS		RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
7	GOWANDA MOBIL 17 E MAIN ST GOWANDA, NY 14070	3924353 0.29 MI N							X						•			•
7	GOWANDA SLF 27 E MAIN STREET GOWANDA, NY 14070	6835421 0.30 MI N								X								
7	GOWANDA LF 27 E MAIN STREET GOWANDA, NY 14070	13549419 0.31 MI N								X								
8	FOX MOTORS 39 BUFFALO ST GOWANDA, NY 14070	6501591 0.38 MI N							X								•	•

MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)	VISTA ID / DISTANCE / DIRECTION	A			B							C			D		
			NPL	CORRACTS	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	WATER WELLS		RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
9	MOENCH TANNING CO 265 PALMER ST GOWANDA, NY 14070	280893 0.72 MI SE		X	X		•		•				•		•		•	•

UNMAPPED SITES	VISTA ID	A			B							C			D		
		NPL	CORRACTS	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	WATER WELLS		RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
BUFFALO TURBINE INDUSTRIAL PLACE GOWANDA, NY 14070	3538673																X
NYSDOT-NAPA JAMESTOWN STREET GOWANDA, NY 14070	6572843							X									X
M H SUNOCO ROUTES 62 AND 39 GOWANDA, NY 14070	5787414							X									X
VILLAGE OF GOWANDA STP BROADWAY ROAD ? GOWANDA, NY 14070	7374745							X						X			X
DON CAMPBELL ROUTE 39 STAFFORD ROAD GOWANDA, NY 14070	5162466							X									X
GOWANDA PSYCHIATRIC CENTE ROUTE 62 GOWANDA, NY 14070	5082802							X									X
COLLINS T.S. , NY	5619516								X								
GERNATT ASPHALT PRODUCT INC-GOWANDA PLAN BROADWAY RD GOWANDA, NY 14070	12545713													X			
M H SUNOCO RFD 1 BOX 565 GOWANDA, NY 14070	773781													X			
ERIE COUNTY HIGHWAY DEPT. RT 39 JENNINGS ROAD GOWANDA, NY 14070	740401													X			

SITE ASSESSMENT PLUS REPORT

DETAILS

PROPERTY AND THE ADJACENT AREA (within 1/8 mile)

Map ID: **1**

VISTA Address*:	**GOWANDA ELECTRONICS CORP** **1 INDUSTRIAL PL** **GOWANDA, NY 14070**	VISTA ID#:	2722256
		Distance/Direction:	0.00 MI / NA
		Plotted as:	Point

RCRA-SmGen - RCRA-Small Generator / SRC# 15

		EPA ID:	NYD986945756
Agency Address:	*GOWANDA ELECTRONICS CORP* *1 INDUSTRIAL PL* *GOWANDA, NY 140701482*		
Generator Class:	*Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste*		

State Spills / SRC# 421

		Agency ID:	9402665
Agency Address:	*GOWANDA ELECTRONICS* *#1 INDUSTRIAL PLACE* *GOWANDA, NY 0*		
Spill ID#:	*9402665*		
Spill Date:	*5/1/1994*		
Spill Time:	*12:00*		
Region / District:	*9*		
Call / Report Date:	*5/23/1994*		
Call / Report Time:	*13:40*		
Spiller Company:	*GOWANDA ELECTRONICS*		
Spiller Name:	*GOWANDA ELECTRONICS*		
Spiller Address:	*#1 INDUSTRIAL PLACE*		
Spiller City:	*GOWANDA*		
Spiller State:	*NY*		
Spiller ZIP:	*14070*		
Substance:	*UNKNOWN PETROLEUM*		
Quantity Spilled:	*0*	**Spilled Units:**	*GALLONS*
		Quantity Recovered:	*0*
Recovered Units:	*GALLONS*		
Spill Cause:	*UNKNOWN*		
Spill Source:	*COMM/INDUSTRIAL*		
Corrective Action Date:	*6/10/1994*	**Penalty:**	*0*
Enforcement Date:	*NOT REPORTED*	**Referral:**	*FG*
		Investigation Complete:	*NOT REPORT*
Evacuation:	*NOT R*	**Injury:**	*NOT REPORTED*
Latest Update:	*10/8/1999*		
Remedial Status:	*CLOSED*	**Damages:**	*NOT REPORT*

*** VISTA address includes enhanced city and ZIP.**
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**
Report ID: **184701902** Date of Report: **August 25, 2000**
Version 2.6.1

Comments:	SITE ASSESSMENT FOUND METALS AND PETROLEUM AT STORAGE SHED LOCATION - REMOVED AND DISPOSED SOIL GROUNDWATER PROBLEM ALSO

State Spills / SRC# 421 — Agency ID: 8908185

Agency Address:	GOWANDA ELECTRONICS 1 INDUSTRIAL PLACE GOWANDA, NY 0		
Spill ID#:	8908185		
Spill Date:	11/1/1989		
Spill Time:	12:00		
Region / District:	9		
Call / Report Date:	11/16/1989		
Call / Report Time:	10:00		
Spiller Company:	GOWANDA ELECTRONICS		
Spiller Name:	NONE		
Substance:	UNKNOWN PETROLEUM		
Quantity Spilled:	0	**Spilled Units:**	GALLONS
		Quantity Recovered:	0
Recovered Units:	GALLONS		
Spill Cause:	OTHER		
Spill Source:	UNKNOWN		
Corrective Action Date:	8/13/1990	**Penalty:**	0
Enforcement Date:	NOT REPORTED	**Referral:**	RNL
		Investigation Complete:	NOT REPORT
Evacuation:	NOT R	**Injury:**	NOT REPORTED
Latest Update:	8/14/1990		
Remedial Status:	CLOSED	**Damages:**	NOT REPORT
Comments:	SOURCE OF PROBLEM IS CONTAMINATED GROUNDWATER FUMES ENTER BUILDING AT GOWANDA ELECTRONICS		

VISTA Address*:	**AVM-GOWANDA** **ONE INDUSTRIAL PLACE** **GOWANDA, NY 14070**	VISTA ID#:	7029373
		Distance/Direction:	0.07 MI / E
		Plotted as:	Point

Map ID: **2**

SPL - State Equivalent Priority List / SRC# 409 — Agency ID: 905025

Agency Address:	AVM-GOWANDA ONE INDUSTRIAL PLACE PERSIA, NY 14070
Status:	UNKNOWN
Facility Type:	NOT AVAILABLE
Lead Agency:	NOT AVAILABLE
State Status:	Agency Code (AA1)
Pollutant 1:	TRICHLOROETHENE
Pollutant 2:	TRICHLOROETHENE
Pollutant 3:	UNKNOWN

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address*:	AVM-GOWANDA GOWANDA, NY 14070	VISTA ID#:	501041323	Map ID
		Distance/Direction:	0.07 MI / E	2
		Plotted as:	Point	
SCL - State Equivalent CERCLIS List / SRC# 413		Agency ID:	V00148-9	

Agency Address:	*AVM-GOWANDA GOWANDA, NY*
Status:	*UNKNOWN*
Facility Type:	*NOT AVAILABLE*
Lead Agency:	*NOT AVAILABLE*
State Status:	*VOLUNTARY CLEANUP*
Pollutant 1:	*UNKNOWN*
Pollutant 2:	*UNKNOWN*
Pollutant 3:	*UNKNOWN*

VISTA Address*:	OIL IN ROAD-GOWANDA 88 JAMESTOWN STREET GOWANDA, NY 14070	VISTA ID#:	4255883	Map ID
		Distance/Direction:	0.11 MI / NW	3
		Plotted as:	Point	
State Spills / SRC# 421		Agency ID:	9304058	

Agency Address:	*OIL IN ROAD-GOWANDA 88 JAMESTOWN STREET GOWANDA, NY 0*		
Spill ID#:	*9304058*		
Spill Date:	*6/29/1993*		
Spill Time:	*11:30*		
Region / District:	*9*		
Call / Report Date:	*6/29/1993*		
Call / Report Time:	*11:35*		
Spiller Company:	*OIL IN ROAD-GOWANDA*		
Spiller Name:	*UNKNOWN*		
Substance:	*WASTE OIL*		
Quantity Spilled:	*15*	**Spilled Units:**	*GALLONS*
		Quantity Recovered:	*10*
Recovered Units:	*GALLONS*		
Spill Cause:	*UNKNOWN*		
Spill Source:	*COMM VEHICLE*		
Corrective Action Date:	*10/15/1993*	**Penalty:**	*0*
Enforcement Date:	*NOT REPORTED*	**Referral:**	*MF*
		Investigation Complete:	*NOT REPORT*
Evacuation:	*NOT R*	**Injury:**	*NOT REPORTED*
Latest Update:	*1/10/1994*		
Remedial Status:	*CLOSED*	**Damages:**	*NOT REPORT*
Comments:	*OIL IN STREET SPILLED OFF OF BACK OF TRUCK*		

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address*:	NEW YORK LAKE ERIE RR 50 COMMERCIAL ST GOWANDA NY 14070 GOWANDA, NY 14070	VISTA ID#:	8123902	Map ID
		Distance/Direction:	0.12 MI / E	4
		Plotted as:	Point	
ERNS - Emergency Response Notification System / SRC# 8		Agency ID:	360230	

Agency Address:	*SAME AS ABOVE*
Spill Date Time:	*SEPTEMBER 7, 1996 07:10:00 PM*
Case Number:	*360230*
Spill Location:	*50 COMMERCIAL ST GOWANDA NY 14070*
Discharger Org:	*NEW YORK LAKE ERIE RR*
Waterway Affected:	*RAILROAD TRACKS*
Fields Not Reported:	*Source Agency, Discharger Name, Discharger Phone, Material Spilled*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	*NO*	*NO*	*NO*	*NO*	*NO*

SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)

VISTA Address*:	NYNEX 91 S WATER ST GOWANDA, NY 14070	VISTA ID#:	7201297	Map ID
		Distance/Direction:	0.16 MI / NE	5
		Plotted as:	Point	
STATE UST - State Underground Storage Tank / SRC# 419		EPA/Agency ID:	N/A	

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*4*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*TEMP OUT OF SERVICE*
Tank Contents:	*DIESEL*	**Leak Monitoring:**	
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL*
Tank Size (Units):	*4000 (GALLONS)*	**Tank Material:**	*STEEL*
Tank ID:	*2U*	**Tank Status:**	*TEMP OUT OF SERVICE*
Tank Contents:	*NOT AVAILABLE*	**Leak Monitoring:**	
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL*
Tank Size (Units):	*4000 (GALLONS)*	**Tank Material:**	*STEEL*
Tank ID:	*5U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*DIESEL*	**Leak Monitoring:**	
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER*
Tank Size (Units):	*6000 (GALLONS)*	**Tank Material:**	*PLASTIC*
Tank ID:	*6U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*NOT AVAILABLE*	**Leak Monitoring:**	
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER*
Tank Size (Units):	*3000 (GALLONS)*	**Tank Material:**	*PLASTIC*

AST - Above Ground Storage Tank / SRC# 420			EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE			
Underground Tanks:	NOT REPORTED			
Aboveground Tanks:	2			
Tanks Removed:	NOT REPORTED			
Tank ID:	3A	Tank Status:	TEMP OUT OF SERVICE	
Tank Contents:	NOT AVAILABLE	Leak Monitoring:		
Tank Age:	NOT REPORTED	Tank Piping:	STEEL	
Tank Size (Units):	500 (GALLONS)	Tank Material:	STEEL	
Tank ID:	4A	Tank Status:	ACTIVE/IN SERVICE	
Tank Contents:	NOT AVAILABLE	Leak Monitoring:		
Tank Age:	NOT REPORTED	Tank Piping:	STEEL	
Tank Size (Units):	300 (GALLONS)	Tank Material:	STEEL	

VISTA Address*:	NEW YORK TELEPHONE CO 91 S WATER ST GOWANDA, NY 14070	VISTA ID#:	763493	Map ID
		Distance/Direction:	0.17 MI / NE	5
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 422			Agency ID:	9210117
Agency Address:	NEW YORK TELEPHONE 91 SOUTH WATER STREET GOWANDA, NY 0			
Leak ID#:	9210117			
Leak Date:	12/1/1992			
Leak Report Date:	7/17/1995			
Leak Cause:	TANK TEST FAILURE			
Substance:	#2 FUEL OIL			
Quantity / Units:	0	Units:	NOT REPORTED	
Remediation Status:	CLOSED:7/17/1995			
Media Affected:	ON LAND			
Region / District:	9			

SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.

Description / Comment:

RESPONSIBLE PARTY:NEW YORK TELEPHONE: TANK TEST FAILURE
12 07 92MF 12 7 92 TELECON RP GAVE HIM OPTIONS LETTER SENT

12 09 92 MF 12 7 92 SITE VISIT RP CONTRACTOR ISOLATION TEST BEING PERFORMED 12 9 92 TELECON RP TANK FAILED ISOLATION TEST PRODUCT PUMPED TANK WILL BE REMOVED NEXT WEEK

12 28 92 MF 12 23 92 SITE VISITRP CONTRACTOR 4K DIESEL TANK REMOVED NO HOLES NOTICED NO ODOR TOSOIL EXCAVATION SAMPLE RESULTS TAKEN

02 08 93 MF 1ST SOIL DISPOSAL TEST RESULT LETTER SENT GIVING UNTIL 3 1 93

03 09 93 MF2ND SOIL DISPOSAL TEST RESULT LETTER SENT GIVING UNTIL 4 1 93

04 23 93 MF 4 22 93 LETTER FROM RP EXCAVATION SAMPLE RESULTS EXPIRED LETTER TO RP REQUESTING RESAMPLING SCHEDULE BY 5 7 93

05 08 93 MF 5 6 93 CALL FROM CONTRACTOR THEY WILL BE ON SITE 5 1293 TAKING SOIL BORINGS

06 28 93 MF LETTER TO RP REQUESTING TANK EXCAVATION SAMPLE RESULTS BY 7 15 93

07 26 93 MF 7 26 93 RECEIVED EXCAVATION RESAMPLE RESULTS CLEAN NO CONTAMINATED SOIL NOFURTHER ACTION NECESSARY

07 27 93 MF 7 27 93 SPILL REOPENED WRONG SAMPLE RESULTS READ

07 27 93 MF 7 27 93 SPILL REOPENED WRONG SAMPLE RESULTS READ LETTER TO RP REQUESTING REMEDIATION PLANBY 8 20 93

09 13 93 MF 9 13 93 2ND LETTER TO RP REQUESTING REMEDIATION PLAN BY 9 30 93

10 21 93 MF 10 14 93 TELECON CONTRACTOR THEY WILL BE ON SITE 10 19 93 10 19 93 10 20 93 SITE VISITNO CONTRACTOR ON SITE 10 12 93 LETTER FROM CONTRACTOR WILL BE ONSITE WEEK OF 10 11 93

12 31 93 MF LETTER TO RP REQUESTING UPDATE BY 1 17 94

01 27 94 MF 1 20 94 REPORT FROM CONTRACTOR NO CONTAMINATION IN PERIPHERAL BORINGS ADDITION REMEDIATION SAMPLING WILL BE DONE 6-94 LETTER TO RP OKING PLAN WITH SCHEDULE BE 228 94

05 04 94 MF 2ND LETTER TO RP REQUESTING REMEDIATION SCHEDULE BY 4 29 94

05 04 94 MF LETTER RIGHT-OF ENTRY TO RP WITH RESPONSE BY 5 31 94

05 06 94 MF LETTER RIGHT-OF ENTRY TO RP WITH RESPONSE BY 5 31 94 5 4 94 LETTER FROM RP ADDITIONAL SOIL TO BE REMOVED JOB SHOULD BE COMPLEATED THE END OF JULY 94

05 18 94TOM MUFF OF NYN

FOR INFORMATION ABOUT ADDITIONAL DETAILS NOTLISTED, PLEASE CALL CUSTOMER FULLFILLMENT AT 1-800-767-0403

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)

VISTA Address*:	PETER COOPER LANDFILL PALMER ST GOWANDA, NY 14070	VISTA ID#: Distance Plotted as:	6683207 0.25 MI Polygon	Map ID 6

NPL - National Priority List / SRC# 19

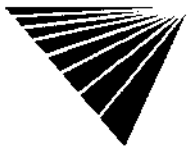
		EPA ID: Agency ID:	NYD980530265 0201887

Agency Address:	*PETER COOPER* *PALMER STREET* *GOWANDA, NY 14070*
EPA Region:	*2*
Congressional District:	*31*
Federal Facility:	*NOT A FEDERAL FACILITY*
Facility Ownership:	*NOT AVAILABLE*
Site Incident Category:	*unknown*
Federal Facility Docket:	*Agency Code ( )*
NPL Status:	*CURRENTLY ON FINAL NPL*
Incident Type:	*Unknown*
Proposed NPL Update #:	*0*
Final NPL Update #:	*0*
Financial Management System ID:	*02GA*
Latitude:	*42*
Longitude:	*78*
Lat/Long Source:	*Agency Code ( )*
Lat/Long Accuracy:	*Unknown*
Dioxin Tier:	*Unknown*
USGS Hydro Unit:	*4120102*
RCRA Indicator:	*Unknown*

SCL - State Equivalent CERCLIS List / SRC# 403

		EPA ID: Agency ID:	NYD980530265 HS9054

Agency Address:	*PETER COOPER SITE/GOWANDA* *PALMER STREET* *GOWANDA, NY 14070*
Status:	*UNKNOWN*
Facility Type:	*NOT AVAILABLE*
Lead Agency:	*NOT AVAILABLE*
State Status:	*NOT AVAILABLE*
Pollutant 1:	*METAL*
Pollutant 2:	*UNKNOWN*
Pollutant 3:	*UNKNOWN*



SPL - State Equivalent Priority List / SRC# 409

EPA ID: NYD980530265
Agency ID: 905003A

Agency Address:	*PETER COOPER CORPORATIONS PALMER STREET (GOWANDA SITE) GOWANDA, NY 14070*
Status:	*UNKNOWN*
Facility Type:	*NOT AVAILABLE*
Lead Agency:	*NOT AVAILABLE*
State Status:	*Agency Code (AA1)*
Pollutant 1:	*OTHER*
Pollutant 2:	*UNKNOWN*
Pollutant 3:	*UNKNOWN*

VISTA Address*: **GOWANDA MOBIL**
17 E MAIN ST
GOWANDA, NY 14070

VISTA ID#: 3924353
Distance/Direction: 0.29 MI / N
Plotted as: Point

Map ID **7**

STATE LUST - State Leaking Underground Storage Tank / SRC# 422

Agency ID: 9510157

Agency Address:	*GOWANDA MOBIL 17 EAST MAIN STREET GOWANDA, NY 0*
Leak ID#:	*9510157*
Leak Date:	*11/13/1995*
Leak Report Date:	*11/20/1995*
Leak Cause:	*HUMAN ERROR*
Substance:	*GASOLINE*
Quantity / Units:	*10* **Units:** *GALLONS*
Remediation Status:	*CLOSED:11/20/1995*
Media Affected:	*ON LAND*
Region / District:	*9*
Description / Comment:	*RESPONSIBLE PARTY:GRIFFITH OIL' WHEN CUSTOMER PUT NOZZLE BACK INPUMP ITWAS NOT DISENGAGED. APPROXIMATELY 10 GALLONS OF GASOLINE SPILLED TO BLACKTOP. SPEEDY-DRI APPLIED AND PUT IN 30 GALLONTRASH BAGS (2 BAGS) FOR DISPOSAL. 11/13/95 GRIFFITH SAID THEY ASSISTED IN PICKING UP A SPILL FROM A PRIVATE VEHICLE WOULD LIKETO DISPOSE IN THE GARBAGE. I TOLD THEM IT WAS OK WILL INSPECTTOMORROW.* *11/16/95 SITE VISIT. SPILL CLEANED SPEEDI DRY PROPERLY DISPOSED. SITE CAN BE CLOSED.*

VISTA Address*: **GOWANDA SLF**
27 E MAIN STREET
GOWANDA, NY 14070

VISTA ID#: 6835421
Distance/Direction: 0.30 MI / N
Plotted as: Point

Map ID **7**

STATE SWLF - Solid Waste Landfill / SRC# 410

Agency ID: 05S09

Agency Address:	*SAME AS ABOVE*
Facility Type:	*NOT AVAILABLE*
Facility Status:	*INACTIVE*
Facility Life:	*NOT REPORTED*
Permit Status:	*NOT AVAILABLE*
Waste:	*OTHER*

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

VISTA Address*:	GOWANDA LF 27 E MAIN STREET GOWANDA, NY 14070	VISTA ID#:	13549419	Map ID 7
		Distance/Direction:	0.31 MI / N	
		Plotted as:	Point	
STATE SWLF - Solid Waste Landfill / SRC# 410		Agency ID:	15S19	

Agency Address:	*SAME AS ABOVE*
Facility Type:	*NOT AVAILABLE*
Facility Status:	*INACTIVE*
Facility Life:	*NOT REPORTED*
Permit Status:	*NOT AVAILABLE*
Waste:	*OTHER*

VISTA Address*:	FOX MOTORS 39 BUFFALO ST GOWANDA, NY 14070	VISTA ID#:	6501593	Map ID 8
		Distance/Direction:	0.38 MI / N	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 422		Agency ID:	9604897	

Agency Address:	*FOX MOTORS 39 BUFFALO STREET GOWANDA, NY 0*		
Leak ID#:	*9604897*		
Leak Date:	*7/1/1996*		
Leak Report Date:	*9/16/1996*		
Leak Cause:	*TANK FAILURE*		
Substance:	*GASOLINE*		
Quantity / Units:	*0*	**Units:**	*GALLONS*
Remediation Status:	*CLOSED:9/16/1996*		
Media Affected:	*GROUNDWATER*		
Region / District:	*9*		
Description / Comment:	*RESPONSIBLE PARTY:DICK BUSHNELL; 5K UST, DOUBLE COMPARTMENT OUTOF SERVICE FOR APPROXIMATELY 18 YEARS. ONE COMPARTMENT FILLED WITH WATER. 07/08/96: MF SITE VISIT/DICK BUSHNELL, RP/MAREK OFHAUS, CONTRACTOR. UNREGISTERED DOUBLE COMPARTMENT SINGLE WALL STEEL5K UST REMOVED DUE TO DOT ROAD WORK. MAY BE SOME CONTAMINATED SOIL. EXPLAINED TO ALL PARTIES WHAT MUST BE DONE. LETTER SENT. 08/14/96: MF RECEIVED EXCAVATION SAMPLE RESULTS, ALL COMPOUNDS, ND. WILL WAIT FOR SOIL DISPOSAL RECEIPTS. 09/11/96: MF 1ST SOIL DISPOSAL LETTER, DUE 9/30/96. 09/16/96: MF T/C MR OFFHAUS 532-2427, CONTRACTOR, CLAIMED THERE WAS NO CONTAMINATED SOIL. NO FURTHER ACTION NECESSARY.*		

SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)

VISTA Address*:	**MOENCH TANNING CO** **265 PALMER ST** **GOWANDA, NY 14070**	VISTA ID#: Distance/Direction: Plotted as:	280893 0.72 MI / SE Point

Map ID **9**

CORRACTS / SRC# 14 — EPA ID: NYD002126910

Agency Address:	*MOENCH TANNING CO* *265 PALMER ST* *GOWANDA, NY 140701595*
Prioritization Status:	*MEDIUM*
RCRA Facility Assessment Completed:	*YES*
Notice of Contamination:	*NO*
Determination of need For a RFI (RCRA Facility Investigation):	*NO*
RFI Imposed:	*NO*
RFI Workplan Notice of Deficiency Issued:	*NO*
RFI Workplan Approved:	*NO*
RFI Report Received:	*NO*
RFI Approved:	*NO*
No Further Corrective Action at this Time:	*NO*
Stabilization Mesaures Evaluation:	*YES*
CMS (Corrective Measure Study) Imposition:	*NO*
CMS Workplan Approved:	*NO*
CMS Report Received:	*NO*
CMS Approved:	*NO*
Date for Remedy Selection (CM Imposed):	*NO*
Corrective Measures Design Approved:	*NO*
Corrective Measures Investigation Workplan Approved:	*NO*
Certification of Remedy Completion:	*NO*
Stabilization Measures Implementation:	*NO*
Stabilization Measures Completed:	*NO*
Corrective Action Process Termination:	*NO*

SPL - State Equivalent Priority List / SRC# 409 — EPA ID: NYD002126910; Agency ID: 905004

Agency Address:	*MOENCH TANNING* *265 PALMER STREET* *GOWANDA, NY 14070*
Status:	*UNKNOWN*
Facility Type:	*NOT AVAILABLE*
Lead Agency:	*NOT AVAILABLE*
State Status:	*CLOSED - REQUIRES MANAGEMENT*
Pollutant 1:	*PAINT RELATED WASTE*
Pollutant 2:	*UNKNOWN*
Pollutant 3:	*UNKNOWN*

SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile) CONT.

RCRA-TSD CORRACTS / SRC# 556		EPA ID:	NYD002126910
Agency Address:	*MOENCH TANNING CO* *265 PALMER ST* *GOWANDA, NY 140701595*		
Off-Site Waste Received:	*NO*		
Land Disposal:	*YES*		
Incinerator:	*NO*		
Storage/Treatment:	*NO*		

UNMAPPED SITES

VISTA Address*:	NYSDOT-NAPA JAMESTOWN STREET GOWANDA, NY 14070	VISTA ID#:	6572843
STATE LUST - State Leaking Underground Storage Tank / SRC# 422		Agency ID:	9512609

Agency Address:	NYSDOT-NAPA JAMESTOWN STREET GOWANDA, NY 0		
Leak ID#:	9512609		
Leak Date:	1/1/1996		
Leak Report Date:	5/8/1996		
Leak Cause:	TANK FAILURE		
Substance:	UNKNOWN MATERIAL		
Quantity / Units:	0	**Units:**	GALLONS
Remediation Status:	CLOSED:5/8/1996		
Media Affected:	GROUNDWATER		
Region / District:	9		
Description / Comment:	RESPONSIBLE PARTY:NYSDOT-NAPA; UNK.# OF TANKS IN NYSDOT RIGHT-OF-WAY DOT DOING ROAD WORK 01/16/96: MF ABANDON TANK(S) IN DOT ROW, EXPECT CONTAMINATED SOIL. 01/19/96: MF AM SITE VISIT/DOT, TANKS TO BE REMOVED TODAY. 01/19/96: MF PM SITE VISIT/PAUL POTTER,EIC. TANKS REMOVED BY EPS. I WAS UNABLE TO BE ON SITE. SPILLS FLOOD IN OLEAN. 2-1K 1-550 GALLON TANK REMOVED ALONG/CONTAMINATED SOIL (LITTLE AMOUNT). SAMPLES TAKEN. 02/28/96: MF 1ST DISPOSAL SAMPLE LETTER, DUE 3/31/96. 03/04/96: MF RECEIVED EXCAVATION SAMPLE RESULTS, BELOW STARS. WAITING FOR SOIL DISPOSAL RECEIPT. 05/08/96: MF RECEIVED SOIL DISPOSAL RECEIPT, NO FURTHER ACTION NECESSARY.		

VISTA Address*:	M H SUNOCO ROUTES 62 AND 39 GOWANDA, NY 14070	VISTA ID#:	5787414
STATE LUST - State Leaking Underground Storage Tank / SRC# 422		Agency ID:	9106951

Agency Address:	M H SUNOCO ROUTES 62 AND 39 GOWANDA, NY 0		
Leak ID#:	9106951		
Leak Date:	9/27/1991		
Leak Report Date:	10/9/1991		
Leak Cause:	TANK TEST FAILURE		
Substance:	GASOLINE		
Quantity / Units:	0	**Units:**	GALLONS
Remediation Status:	CLOSED:10/9/1991		
Media Affected:	ON LAND		
Region / District:	9		

Description / Comment:	*RESPONSIBLE PARTY:M H SUNOCO; TANK TEST FAILURE AT M H SUNOCO* *09 27 91 TANK TESTER TO EXCAVATE AND RETEST* *10 02 91 MF 10 2 91 TELECON OWNER EXPLAINED OPTIONS LETTER SENT* *10 03 91 MF 103 91 SITE VISIT OWNER SHE CLAIMED TANK PASSED RETEST PROBLEM WASAIR POCKET IN VENT LINE REPORT TO BE SENT* *10 09 91 MF 10 9 91RECEIVED RETEST RESULTS TANK PASSED PROBLEM IN VENT LINE AIR POCKET NO FURTHER ACTION NESESSARY*

VISTA Address*:	**VILLAGE OF GOWANDA STP** **BROADWAY ROAD ?** **GOWANDA, NY 14070**	VISTA ID#:	7374745
STATE LUST - State Leaking Underground Storage Tank / SRC# 422		Agency ID:	9011444

Agency Address:	*VILLAGE OF GOWANDA HWY* *BROADWAY ROAD* *GOWANDA, NY 0*
Leak ID#:	*9011444*
Leak Date:	*1/30/1991*
Leak Report Date:	*2/11/1991*
Leak Cause:	*EQUIPMENT FAILURE*
Substance:	*DIESEL*
Quantity / Units:	*10* **Units:** *GALLONS*
Remediation Status:	*CLOSED:2/11/1991*
Media Affected:	*ON LAND*
Region / District:	*9*
Description / Comment:	*RESPONSIBLE PARTY:VILLAGE OF GOWANDA; 500 GALLON TANK LEAKING ATDISPENSOR FOUND DURING PBS INSPECTION* *01 30 91 MF 1 30 91 TELECON SPILLER SITE MEETING FOR 2 4 91* *02 11 91 MF MS 2 8 91 SITEVISIT SPILLER DISPENSOR REPAIRED SPILLAGE ALL CLEANED SPILL OCCURED ON CONCRETE SMALL AMOUNT CLEANED WITH SPEEDY DRY NO FUTHER ACTION NECESSARY*

VISTA Address*:	**DON CAMPBELL** **ROUTE 39 STAFFORD ROAD** **GOWANDA, NY 14070**	VISTA ID#:	5162466
STATE LUST - State Leaking Underground Storage Tank / SRC# 422		Agency ID:	9400703

Agency Address:	*DON CAMPBELL* *ROUTE 39 STAFFORD ROAD* *GOWANDA, NY 0*
Leak ID#:	*9400703*
Leak Date:	*4/14/1994*
Leak Report Date:	*10/12/1995*
Leak Cause:	*TANK FAILURE*
Substance:	*GASOLINE*
Quantity / Units:	*0* **Units:** *NOT REPORTED*
Remediation Status:	*CLOSED:10/12/1995*
Media Affected:	*ON LAND*
Region / District:	*9*

Description / Comment:	*RESPONSIBLE PARTY:DON CAMPBELL: 3 ABANDONED TANKS SCHEDULED FORREMOVAL* *04 19 94 MF 4 15 94 SITE VISIT RP NOT ON SITE TELECON RP3 UST FOUND ALONG WITH CONTAMINATED SOIL TANKS NOT DUG UP YETEXPLAINED WHAT MUST BE DONE LETTER SENT* *05 23 94 MF 5 11 94 LETTER FROM CONTRACTOR 3 TANKS TO BE REMOVED 5 23 94 TELECON RP HEWILL NOTIFY ME WHEN HE GETS A FIRM DATE* *06 30 94 MF 6 30 94 TELECON RP TANKS WILL BE REMOVED NEXT WEEK TANK WATER TO BE TESTED MAY BE DISPOSED OF GOWANDA STP* *08 25 94 MF 8 10 94 LETTER FROM LAWYER THEY ARE PURSUING TEXACO TO PAY FOR REMOVAL 8 18 94 TELECON LAWYER HE DOSNT KNOW IF TEXACO LEGALLY LIABLE NOTHING IN DEED* *10 05 94 MF 9 22 94 LETTER FROM LAWYER TO TEXACO REQUESTING MONEY FOR WORK DONE UPDATE LETTER T OCAMPBELL RESPONSE BY 10 28 94* *11 21 94 11 21 94 MNP INSP TANKS REMOVED EXCAVATION ALREADY BACKFILLED FOUND RESIDUAL CONTAM SOIL ALONG EDGE OF TANK PITCOLLECTED SAMPLE SPOKE W DON CAMPBELL SEE FIELD NOTES* *11 2594 MF 11 22 94 PER FG TANKS REMOVED BY DUFFS CONTAMINATED SOIL PUT BACK IN EXCAVATION RP WANTS TO HOLD OFF TILL SPRING TO REMOVESOIL* *11 25 94 MF 11 25 94 TELECON DON CAMPBELL HE WILL SEND LETTER REGARDING SOIL REMOVAL DISPOSAL LETTER DUE 12 15 94* *1209 94 MF 11 29 94 LETTER FROM RP REQUESTING DELAY OF REMEDIATIONUNTIL 4 10 95 12 9 94 TELECON RP HE WILL SEND LETTER GIVING STATE PERMISSION TO DO WORK IF NOT DONE BY 4 30 94* *07 27 95 MF 725 95 SITE VISIT DUFF AGEL BROS CONTAMINATED SOIL REMOVED FROM TANK AREA STAGED ON SITE NO SHEEN ODOR GROUNDWATER GROUNDWATER EXCAVATION TO BE SAMPLED 8021* *09 01 95 MF 1ST SOIL DISPOSAL SAMPLING LETTER SENT DUE 9 29 95* *12 09 95 MF 12 19 94 LETTER FROM RP STATING THAT IF SOIL NOT REMOVED BY 4 30 95 THE DEC CAN REMOVE* *10 03 95 MF 2ND SOIL DISPOSAL EXCAVATION SAMPLE LETTER SENT DUE 10 27 95* *10 12 95 MF RECEIVED SOIL DISPOSAL RECEIPTS EXCAVATION SAMPLE RESULTS WITHIN STARS NO FURTHER ACTION NECESSARY*

VISTA Address*:	**GOWANDA PSYCHIATRIC CENTE** **ROUTE 62** **GOWANDA, NY 14070**	VISTA ID#:	5082802
STATE LUST - State Leaking Underground Storage Tank / SRC# 422		Agency ID:	9107203

Agency Address:	*GOWANDA PSYCHIATRIC CENTE* *ROUTE 62* *GOWANDA, NY 0*		
Leak ID#:	*9107203*		
Leak Date:	*10/4/1991*		
Leak Report Date:	*4/13/1994*		
Leak Cause:	*TANK TEST FAILURE*		
Substance:	*GASOLINE*		
Quantity / Units:	*0*	**Units:**	*NOT REPORTED*
Remediation Status:	*CLOSED:4/13/1994*		
Media Affected:	*GROUNDWATER*		
Region / District:	*9*		

Description / Comment:

RESPONSIBLE PARTY:NYS OFFICE OF MENTAL OFFI; TANK FAILURE AT STATE FACITILTY
10 07 91 MF DEC TO INVESTIGATE

10 09 91 MF 10 8 91FOR RNL TELECON SPILLER TANK WILL NOT BE RETESTED REMOVAL LETTER SENT

10 24 91 MF 10 24 91 TELECON SPILLER TANK EMPTIED WILLBE REMOVED WHEN THEY GET FUNDING FROM ALBANY

10 30 91 MF 10 3091 LETTER FROM SPILLER TANK EMPTIED APPLIED TO ALBANY FOR REMOVAL FUNDS

01 02 92 MF 12 31 91 SITE VISIT RP LOOKED OVER TANK AREA FUNDS NOT AS YET RECEIVED FOR REMOVAL

06 30 92 MF 6 12 92LETTER FROM RP WORK EXPECTED TO START IN 60 DAYS

07 31 92 MF 727 92 SITE VISIT TANK REMOVED CONTAMINATED SOIL STOCKPILED ON SITE 7 29 92 TELECON RP EXCAVATION SAMPLES TAKEN

08 31 92 MF 818 92 LETTER FROM RP CONTAMINATION RAN INTO WATER IN EXCAVATIONMAKE REMEDIATION IMPOSSIBLE WELL INSTALLED TO BE SAMPLED

10 2692 MF 10 23 92 RECEIVED PROPOSAL FOR SOIL BURNING MEMO TO RD AIR FOR APPROVAL

11 25 92 MF MEMO FROM SOLID WASTE 364 PERMIT REQUIRED TO MOVE SOIL OFF SITE FOR BURNING LETTER TO OGS REQARDING THIS

01 08 93 MF 1 8 93 TELECON TYREE WE ARE WAITING FOR WORD FROM ALBANY REGARDING 364 PERMIT

02 09 93 MF LETTER TO RP REQUESTING REMEDIATION PLAN BY 3 31 93

06 02 93 MF LETTER TO RPREQUESTING UPDATE BY 6 25 93

12 15 93 MF 12 14 93 SITE VISIT RP CONTRACTOR 3 TEST PIT TO BE DUG GROUNDWATER WILL BE SAMPLED TOBE DONE BEFORE 1 94 SOIL DISPOSED OF RP WILL CONTACT TYREE FORRECEIPT

12 29 93 MF 12 28 93 SITE VISIT CONTRACTOR OGS 3 TESTPITS DUG SAMPLED WATER IN 2 PITS SOIL WATER SAMPLED NO ODOR NOREADINGS ON HNU

02 08 94 MF 1 28 94 RECEIVED WATER SOIL SAMPLING RESULTS NOTHING DETECTED OGS CLAIMS THEY DIDNT SIGN FOR SOIL DISPOSAL CONTRACTOR CLAIMS LANDFILL RECORDS TAKEN BY STATE CRIME TASK FORCE

04 13 94 MF 3 2 94 LETTER FROM RP THAT SOIL PICKED UP NO RECEIPT LEGAL ACTION CONTINUING SITE ENVIRONMENTALLYCLEAN NO FURTHER ACTION NECESSARY BY THIS DIVISION

VISTA Address*:	**COLLINS T.S.** **NY**	VISTA ID#:	5619516
STATE SWLF - Solid Waste Landfill / SRC# 410		Agency ID:	15R14

Agency Address:	*SAME AS ABOVE*
Facility Type:	*NOT AVAILABLE*
Facility Status:	*ACTIVE*
Permit Status:	*NOT AVAILABLE*

SITE ASSESSMENT PLUS REPORT

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL
SRC#: 19

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for National Priorities List was April, 2000.

The NPL Report is the US EPA's registry of the nation's worst uncontrolled or abandoned hazardous waste sites. NPL sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980.

SPL
SRC#: 409

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Inactive Hazardous Waste Disposal Sites was July, 1999.

This database is provided by the Department of Environmental Conservation, Bureau of Hazardous Site Control. The agency may be contacted at: 518-457-0747.

CORRACTS
SRC#: 14

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for RCRIS Corrective Action Sites was December, 1999.

The CORRACTS database contains information concerning RCRA facilities that have conducted, or are currently conducting a corrective action. A Corrective Action Order is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may also be imposed as a requirement of receiving and maintaining a TSDF permit.

RCRIS-TSDC
SRC#: 556

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for RCRIS TSDs Subject to Corrective Action was December, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDCs are treatment, storage and/or disposal facilities that are subject to corrective action under RCRA.

B) DATABASES SEARCHED TO 1/2 MILE

CERCLIS
SRC#: 17

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Comprehensive Environmental Response, Compensation and Liability Information Sys was April, 2000.

The CERCLIS database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation by the U.S. EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation, and ultimately placed on the National Priorities List (NPL).

NFRAP
SRC#: 18

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for No Further Remedial Action Planned was April, 2000.

The No Further Remedial Action Planned Report (NFRAP), also known as the CERCLIS Archive, contains information pertaining to sites which have been removed from the U.S. EPA's CERCLIS database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

SCL
SRC#: 403

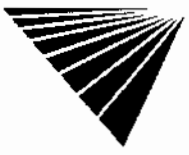
VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Hazardous Substance Waste Disposal Sites and Non-Registry Sites was June, 1995.

This database is provided by the Bureau of Hazardous Site Control, Division of Hazardous Waste Remediation. The agency may be contacted at: 518-457-0639. The New York Hazardous Substance Waste Disposal Site Study was completed to estimate the number and cost of remediating hazardous substance waste disposal sites located in New York which posed a potential threat to public health and the environment. Under current DEC regulation, the definition of "hazardous waste" in the Environmental Conservation Law (ECL) allows the DEC to use monies from the State Superfund to cleanup those sites fitting that definition. Many sites exist throughout the state which contain hazardous waste, but the "characteristics" of the waste do not meet the criteria as defined within the ECL, and do not qualify for state superfund funding. Therefore the study was done to identify sites to be addressed.

SCL
SRC#: 413

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Voluntary Cleanup Projects was November, 1999.

This database is provided by the Department of Environmental Conservation, Division of Environmental Remediation. The agency may be contacted at: 518-485-7720.



RCRIS-TSD
SRC#: 12

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for RCRIS Treatment, Storage and Disposal Facilities was December, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

SWLF
SRC#: 23

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for USGS Solid Waste Landfills was December, 1991.

This database is provided by the United States Geological Survey. The agency may be contacted at: 703-648-5613.

SWLF
SRC#: 402

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Resource Recovery Projects was June, 1996.

This database is provided by the Department of Environmental Conservation, Bureau of Waste Management.

SWLF
SRC#: 404

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Regulated Medical Waste Facilities was March, 1997.

This database is provided by the Bureau of Technical Support, Division of Solid and Hazardous Material. The agency may be contacted at: 518-457-9263.

SWLF
SRC#: 406

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Registered and Permitted Waste Tire Storage Facilties was August, 1998.

This database is provided by the Department of Environmental Conservation, Div of Solid and Hazardous Material.

SWLF
SRC#: 410

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Solid Waste Facilities was August, 1999.

This database is provided by the Department of Environmental Conservation, Division of Solid Waste. The agency may be contacted at: 518-457-1859.

SWLF
SRC#: 414

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Registered Recycling Facilities was August, 1999.

This database is provided by the Department of Environmental Conservation, Bureau of Municipal Waste. The agency may be contacted at: 518-457-8829.

LUST
SRC#: 422

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for Leaking Underground Storage Tanks (Derived from Spills Database) was April, 2000.**

This database is provided by the Department of Environmental Conservation. The agency may be contacted at: 518-457-7364.

USGS-WELLS
SRC#: 3

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for USGS Water Wells was March, 1998.**

The Ground Water Site Inventory (GWSI) database was provided by the United States Geological Survey (USGS). The database contains information for over 1,000,000 wells and other sources of groundwater which the USGS has studied, used or documented during research.

STATE-WELL
SRC#: 405

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for Public Water Wells was December, 1997.**

The New York Public Water Wells database is provided by the New York State Department of Health. Less than 20% of the total number of wells in the data base are plotted due to the lack of locational information. The agency phone number for further information is 518-458-6731. The date of the data is the same as the date of the list below.

C) DATABASES SEARCHED TO 1/4 MILE

RCRIS-VIOL
SRC#: 11

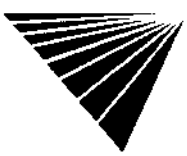
VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for RCRIS Facilities with Violations was December, 1999.**

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. The RCRIS Other report contains information concerning facilities that are "unclassified" within the RCRIS database (not classified as a Large Quantity Generator, Transporter, etc.).

UST
SRC#: 419

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for Petroleum Bulk Storage, Chemical Bulk Storage and Major Oil Storage Facilities D was January, 2000.**

This database is provided by the Department of Environmental Conservation, Petroleum Bulk Storage Program. The agency may be contacted at: 518-457-7364. Be advised that some states do not require registration of heating oil tanks, especially those used for residential purposes.



AST
SRC#: 420

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for Petroleum Bulk Storage, Chemical Bulk Storage and Major Oil Storage Facilities D was January, 2000.**

This database is provided by the Department of Environmental Conservation, Petroleum Bulk Storage Program. The agency may be contacted at: 518-457-7364.

TRIS
SRC#: 2

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for Toxic Release Inventory System was January, 1998.**

All facilities that manufacture, process, or import toxic chemicals in quantities in excess of 25,000 pounds per year are required to register with the EPA under Section 313 of the Superfund Amendments and Reauthorization Act (SARA Title III) of 1986. Data contained in the TRIS system covers approximately 20,000 sites and 75,000 chemical releases.

D) DATABASES SEARCHED TO 1/8 MILE

ERNS
SRC#: 8

VISTA conducts a database search to identify all sites within 1/8 mile of your property. **The agency release date for Emergency Response Notification System was August, 1999.**

ERNS is a national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS reporting system contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party.

RCRA-LQG
SRC#: 16

VISTA conducts a database search to identify all sites within 1/8 mile of your property. **The agency release date for RCRIS Large Quantity Generators was December, 1999.**

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRIS-SQG
SRC#: 15

VISTA conducts a database search to identify all sites within 1/8 mile of your property. **The agency release date for RCRIS Small Quantity Generators was December, 1999.**

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small Quantity Generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

SPILLS
SRC#: 421

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for Spills was April, 2000.

This database is provided by the Department of Environmental Conservation. The agency may be contacted at: 518-457-7364.

End of Report

New York State Department of Environmental Conservation
Regional Administration, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7201 • **FAX:** (716) 851-7211
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

February 14, 2001

Mr. Edward J. Jones
Bergmann Associates
200 First Federal Plaza
28 East Main Street
Rochester, NY 14614

Dear Mr. Jones:

AVM-Gowanda Facility, NYSDEC Inactive Hazardous Waste Disposal Site #905025

In response to your FOIL request of 01/23/01 relative to the subject property, a search of this Region's Solid Waste, Environmental Remediation, Spills Management and Solid & Hazardous Program files has been completed.

We have found extensive records that are responsive to your request. Mr. Maurice Moore has contacted you on February 6, 2001 and has the documents you Arrangements for a copy can be made through Mr. Moore. Please contact him at (716) 851-7220 to make arrangements for review of our file information.

Sincerely,
Mary K. Barren
Keyboard Specialist 1

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York 14203-2999
(716) 851-7220

John P. Cahill
Commissioner

FREEDOM OF INFORMATION (F.O.I.L.) REVIEWERS GUIDELINES

Due to the large number of F.O.I.L. requests the Department receives and to avoid confusion and misunderstandings, we have developed the following guidelines to assist you:

1. ***Know your DEC contact.*** Request a Business card or note the name of your contact. This way you can ask specifically for the person who was helping you.

2. The Foil Review area is located in the front lobby. Please do not wander the halls. If you need assistance, please ask the secretaries to contact the person who was assisting you.

3. ***OFFICE HOURS ARE 8:30 AM - 4:45 PM.*** You must be out of the building by 4:45 PM.

4. If you wish to obtain copies of the files you are reviewing, you have two options:

   A. The Department will make copies for you at a cost of $.25 per page. If there are seven pages or less, there will be no charge. If there are eight pages or more, you must pay for all of the pages copied (the first seven are not free). The copies will be provided based on staff and equipment availability. Therefore, a large copy request may take several weeks to complete. Payment must be made when the copes are picked up. Payment must be in the form of a check (made out to the NYS Dept. of Environmental Conservation) or in cash (**exact change only**). We do not collate or bind the copies.

   B. You have the option of hiring a private printing service to make your copies. The files will only be released to a reputable printing service. **THE FILES WILL NOT BE RELEASED TO YOU.** The Company you select must arrange to pick up the files by bonded courier at our office, sign for them, make the copies, return the originals to us and then provide you with the copies. You are responsible to the company for all costs incurred. You will also be responsible for the replacement of any lost documents.

5. If you wish an outside printing service, the courier who picks up the files must know the following:

   A. What Division has the files
   B. Name of the DEC contact
   C. Name of the files they are to pick up

6. While we do not endorse, approve or recommend any private printing service, the following list is provided for your use:

IKON	843-8800	Elmwood Print Out	884-5550	Rapid Ray's	852-0550
		Queen City Imaging	832-8100	Imaging Solutions	874-2679

Please keep in mind that this is not a complete list and that any reputable, bonded printing service may be used.

7. While we make every effort to provide you with the information you request, many times informational requests cross division responsibilities. In order to ensure that you have received all the available information, you should direct a F.O.I.L. request to Foil Coordinator, 270 Michigan Avenue, Buffalo NY 14203. The Foil Coordinator will ensure that your request is directed to all DEC Regional Divisions that may have

Post-it® Fax Note 7671	Date 2/6/01	# of pages ▶ 1
To ED JONES	From MAURICE MOORE	
Co./Dept. Bergmann Assoc	Co. NYSDEC	
Phone # (716) 232-5735	Phone # 716 851-7220	
Fax # (716) 232-4652	Fax # 716 851-7226	

BERGMANN
associates

Engineers / Architects / Surveyors

January 23, 2001

Ms. Meghan Green-Boice
NYSDEC Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Subject: Supplemental Freedom of Information Law Request

Dear Ms. Green-Boice:

This letter is a follow-up to our FOIL request dated January 9, 2001 concerning several properties in Gowanda, NY. Bergmann Associates is also requesting information on the AVM-Gowanda facility located at one Industrial Place, Gowanda, NY. We are requesting specific documents as part of an investigation at the Day Habilitation (Former AVM) facility at 4 Industrial Place in Gowanda, NY. Your response letter was dated January 10, 2001.

FOIL Business Name	FOIL Property Address	Classifications:
AVM-Gowanda	One Industrial Place, Gowanda	Site Code 905025, NYSDEC Registry of Hazardous Waste Disposal Sites

Bergmann Associates is hereby requesting to obtain copies of the following documents on AVM-Gowanda:

- April 1994 Malcolm Pirnie Report of Field Activities
- 1995 Parson's Engineering investigation report (includes a groundwater contaminant plume map)
- Voluntary Cleanup Agreement, VCA B9-0507-96-05
- 2000 Remedial Investigation/Feasibility Study Report
- 2000 Record of Decision

We appreciate your assistance in obtaining the requested information and await your response. Should you need to contact us, feel free to contact myself or Jim Marschner at 716-232-5135.

Very truly yours,
BERGMANN ASSOCIATES

Edward J. Jones
Senior Geologist

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200 First Federal Plaza, 28 East Main Street / Rochester, New York 14614-1909
716.232.5135 / 716.232.4652 fax

Philadelphia, PA / Hoboken, NJ / Buffalo, NY / Toledo, OH / Lansing, MI / Ft. Lauderdale, FL

New York State Department of Environmental Conservation
Division of Public Affairs and Education, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7201 • **FAX:** (716) 851-7211
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

January 24, 2001

Mr. Edward J. Jones
Bergmann Associates
200 First Federal Plaza
28 East Main Street
Rochester, NY 14614

Mr. Jones:

This letter is to acknowledge receipt of your request for information relative to:

•AVM-Gowanda Facility, NYSDEC Inactive Hazardous Waste Disposal Site #905025

Because of the nature of your request, it has been forwarded to the following individual divisions.

- ☐ Air
- ☐ Environmental Enforcement
- ☐ Environmental Permits
- ☑ Environmental Remediation
- ☐ Law Enforcement
- ☐ Legal
- ☐ Solid & Hazardous Materials
- ☐ Solid Waste
- ☐ Spills/Petroleum Bulk Storage
- ☐ Water
- ☐ _____

These programs will respond to you directly.

Very truly yours,

Meaghan Boice-Green
Citizen Participation Specialist 2

New York State Department of Environmental Conservation
Regional Administration, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7201 • **FAX:** (716) 851-7211
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

February 5, 2001

Mr. Jim Marschner
Bergmann Associates
200 First Federal Plaza
28 East Main Street
Rochester, NY 14614-1909

Dear Mr. Marschner:

Day Habilitation (former AVM) Buffalo Turbine, 4 Industrial Place, 20 Industrial Place, Gowanda

In response to your foil request of January 9, 2001 relative to the subject property, a search of this Region's Solid Waste, Spills Management, Environmental Remediation and Solid & Hazardous Materials program files has been completed. Based on this search, the attached information is provided.

Please be advised that our files only reflect, information on those sites where investigation by this Department, the USEPA or local county health/environmental agencies, or information from the public has revealed that waste disposal has or may have occurred. The Department makes no guarantee as to the completeness of our files. Therefore, our file search should in no way be considered as a substitute for a site inspection or environmental audit by qualified personnel. If such as inspection/audit were to reveal that waste disposal has occurred, it should be promptly reported to this office.

Further, be advised that request for area-wide search of our records cannot be accommodated. As such, information presented in response to your request is site specific.

If you have any further questions, please call me at (716) 851-7201.

Sincerely,
Mary K. Barren
Keyboard Specialist 1

INDU is Street Location GOWA is Municipality

	SPILL NAME	SPILLER	SPILL LOCATION	MATERIAL SPILLED	AMOUNT SPILLED	LEAD INSPECTOR	CLOSE DATE	MEETS STANDARDS	REMARKS
(8)	GOWANDA ELECTRONICS	NONE	1 INDUSTRIAL PLACE	UNKNOWN	0 G	RNL	08/13/1990	T	SOURCE OF PROBLEM IS CONTAMINATED GROUNDWATER, FUMES ENTER BUILDING AT GOWANDA ELECTRONICS
(9)	BUFFALO TURBINE	BUFFALO TURBINE	INDUSTRIAL PLACE		0	MF	06/28/1993	T	TWO 3 GALLON PLASTIC CONTAINERS OF ACID LEAKING.
(8)	GOWANDA ELECTRONICS	GOWANDA ELECTRONICS	#1 INDUSTRIAL PLACE	UNKNOWN	0 G	PG	06/10/1994	T	SITE ASSESSMENT FOUND METALS AND PETROLEUM AT STORAGE SHED LOCATION - REMOVED AND DISPOSED SOIL. GROUNDWATER PROBLEM ALSO.

BERGMANN
associates

Engineers / Architects / Surveyors

9 January, 2001

Ms. Meghan Green-Boice
New York State Department of Environmental Conservation
Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Subject: Freedom of Information Law Request

Dear Ms. Green-Boice:

This letter is a request pursuant to the Freedom of Information Law, we are requesting a review of information in the Department's file pertaining to the properties listed in the table below. Bergmann Associates is requesting this information to complete a Phase I Environmental Assessment located at Industrial Place in Gowanda, NewYork.

Business Name	Address	Classifications:
Day Habilitation (Former AVM) Buffalo Turbine	4 Industrial Place 20 Industrial Place Gowanda, NY	State LUST, State SPILLS & Any other Department information regarding the sites.

We appreciate your assistance in obtaining the requested information and await your response. Should you need to contact us, feel free to contact Tracy Wahl or me at 716-232-5135.

Very truly yours,

BERGMANN ASSOCIATES

Jim Marschner.
Environmental Specialist

200 First Federal Plaza, 28 East Main Street / Rochester, New York 14614-1909
716.232.5135 / 716.232.4652 fax

Philadelphia, PA · Hoboken, NJ · Buffalo, NY · Toledo, OH / Lansing, MI / Ft. Lauderdale, FL

Donald J. Bergmann, P.E./Brian M. Dougherty, P.E./Gary B. Olin, P.E./John R. Murray, Jr., P.E./William O. Dickey, Jr., P.E./Joseph J. Istvan, AIA/Peter D. Ottavio, P.E.

New York State Department of Environmental Conservation
Division of Public Affairs and Education, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7201 • **FAX:** (716) 851-7211
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

January 10, 2001

Mr. Jim Marschner
Bergmann Associates
200 First Federal Plaza
28 East Main Street
Rochester, NY 14614-1909

Mr. Marschner:

This letter is to acknowledge receipt of your request for information relative to:

•Day Habilitation (former AVM) Buffalo Turbine, 4 Industrial Place, 20 Industrial Place, Gowanda

Because of the nature of your request, it has been forwarded to the following individual divisions.

- ☐ Air
- ☐ Environmental Enforcement
- ☑ Environmental Permits
- ☑ Environmental Remediation
- ☐ Law Enforcement
- ☐ Legal
- ☑ Solid & Hazardous Materials
- ☑ Solid Waste
- ☑ Spills/Petroleum Bulk Storage
- ☐ Water
- ☐ _____

These programs will respond to you directly.

Very truly yours,

Meaghan Boice-Green

Meaghan Boice-Green
Citizen Participation Specialist 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
Inactive Hazardous Waste Disposal Report **April 1, 2000**

Site Name:	**AVM-Gowanda**			**Site Code:**	**905025**
Class Code:	2	Region: 9	County: **Cattaraugus**	EPA Id:	
Address:	**One Industrial Place**		City: **Persia**	Zip:	**14070**
Latitude:	42 27' 29"	Longitude:	78 56' 4"		
Site Type:	**Dump**		Estimated Size: 1	Acres	

Site Owner / Operator Information:

Current Owner(s) Name:	**Gowanda Electronics, Inc.**			
Current Owner(s) Address:	**One Industrial Place**	**Gowanda**	**NY**	**14070**
Owner(s) during disposal:	**Automatic Voting Machine (AVM)**			
Operator(s) during disposal:	**Automatic Voting Machine (AVM)**			
Stated Operator(s) Address:	**One Industrial Place**	**Persia**	**NY**	**14070**

Hazardous Waste Disposal Period: From **unknown** To **1979**

Site Description:
Gowanda Electronics manufactures electrical inductors. A Phase I Environmental Assessment was conducted that indicated an area on site that had a distinct lack of vegetation and showed oil staining. As a result of this study, the company conducted a Phase II Environmental Assessment in the fall of 1993. This study detected an area of soil adjacent to a storage shed on the east side of the Main Plant building that contained concentrations of chromium, copper, lead, nickel, tin, zinc and total petroleum hydrocarbons in excess of established clean-up goals. Trace levels of 1,1,1-trichloroethane, trichloroethene, cis-dichloroethene were also detected in the soil. In January 1994 an area of contaminated soil was excavated to a depth of between 5 and 7 feet below grade and disposed off-site. It was noted during the excavation that the concentration of volatile contaminants in samples of soil increased with depth. Based on the results of the soil excavation activities a groundwater monitoring well was installed and subsequently sampled in May 1994. The results of the analysis showed that the groundwater contained primarily trichloroethene, and 1,1,1-trichloroethane and several degradation (breakdown) products above groundwater standards. In 1995 DEC confirmed that groundwater contamination emanates from the facility property northward onto adjacent residential properties. The vertical extent of the contamination is to a depth of 16 to 17 feet to a confining glacial till layer. In 1996 Gowanda Electronics installed a groundwater extraction well to address the on-site contamination problem (known as Operable Unit 1; On-site Source Control). An off-site plume investigation has been conducted by DEC to determine the nature and extent of contamination. A Record of Decision (ROD) is expected in 2000.

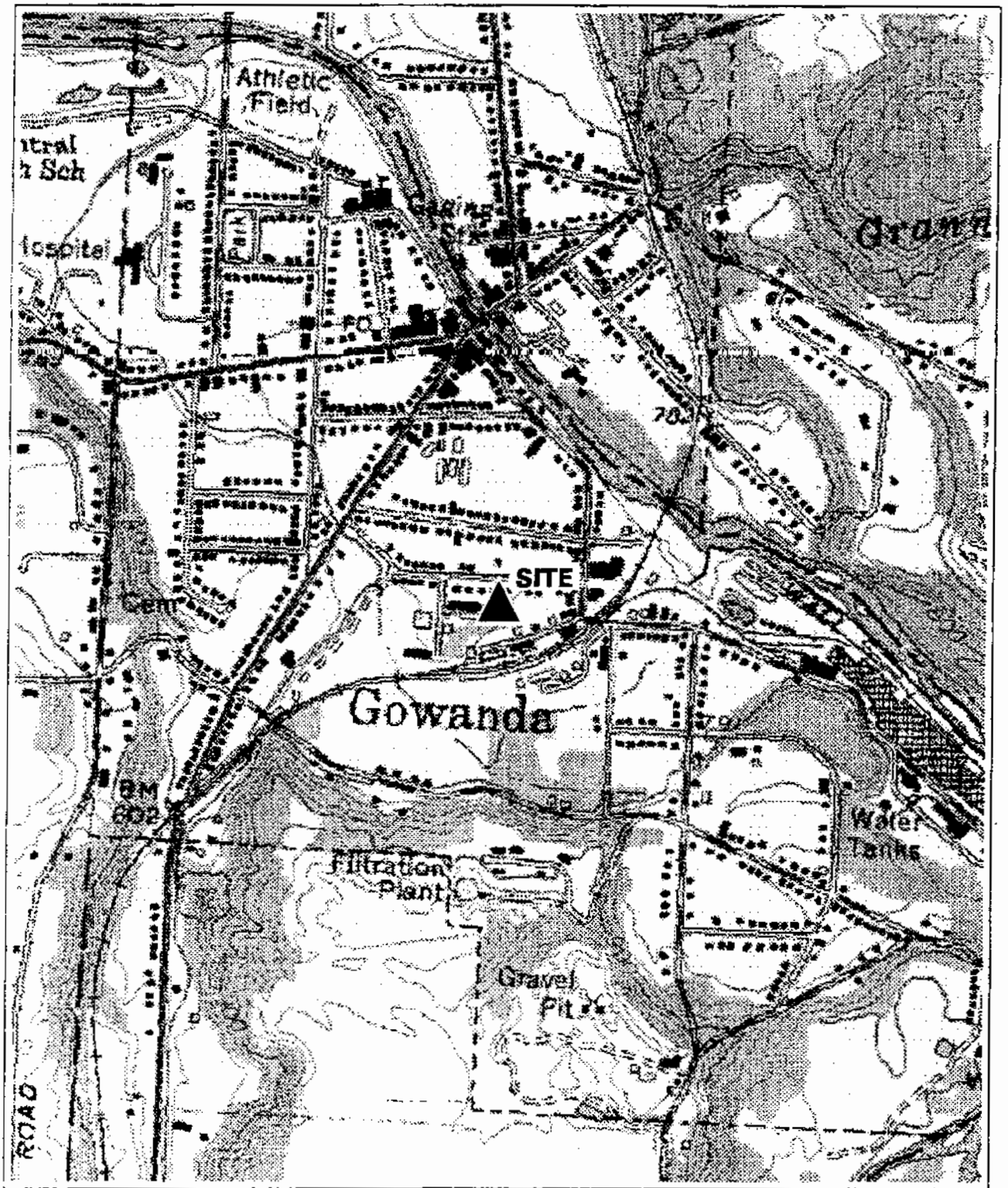
Confirmed Hazardous Waste Disposal:	**Quantity:**
Trichloroethene (F002)	unknown
1,1,1-Trichloroethane (F002)	unknown

Analytical Data Available for: **Groundwater** **Soil**
Applicable Standards Exceeded in: **Groundwater** **Drinking Water**
Geotechnical Information:
Soil/Rock Type: **Gravel with fine sand and silt to 18 feet.**
Depth to Groundwater: **Range: 5 to 10 feet.**

Legal Action: Type: Status:
Remedial Action: **In Progress** Nature of action: **RI/FS**

Assessment of Environmental Problems:
Groundwater contamination from past site activities has been confirmed. Contaminated soils in the source area have been removed from the site reducing the potential for continued contaminant release. Contaminants in the groundwater have migrated away from the site toward residential areas and need to be addressed.

Assessment of Health Problems:
Volatile organic chemicals in groundwater are migrating toward adjacent homes to the north of the site. Possible seepage of this contaminated groundwater into basements or vapor infiltration may represent a threat to human health. Exposures via drinking water are not expected because the Village of Gowanda is served by a public water supply. Routine monitoring of the municipal water supply well has shown no impact.



Site Location Map

905025 AVM-Gowanda

Map source: USGS 1:24,000-scale topographic quadrangles

N

0 250 500 750 1000

FEET

Scale 1:12,000

April 1, 2000

County: Cattaraugus

Project No: 4696.01

Project: Day Habilitation Center

Client: Architectural Resources

Location: Gowanda, New York

Log of Borehole: GP-201

Enclosure:

Engineer: Jim Marschner

SUBSURFACE PROFILE				SAMPLE			Volatile Organic Concentration ppm (200 – 400)	Well Data	Lab Analysis
Depth	Symbol	Description	Elev.	Number	Type	Recovery			
0		Ground Surface	0					NO WELL	
0 – 0.7		BROWN COARSE TO FINE SAND WITH GRAVEL				45/48"	ND		
0.7 – 4.0		BROWN CLAYEY SILT TRACE STONE & SAND DAMP.		S1	2.0 Soil 4.0		ND		
4.0 – 4.8		BROWN SILT TRACE SAND DAMP TO MOIST	4.0	S2	4.0 – 6.0	48/48"	0.2		
4.8 – 8.0		BROWN TO TAN CLAYEY SILT TRACE SAND DAMP					5		
8.0 – 9.0		SAME AS ABOVE EXCEPT DAMP TO MOIST	8.0	S3	8.0 – 9.0				
9.0 – 10.5		BROWN MEDIUM TO FINE SAND. WET		S4	9.0 – 10.0	36/48"	6	WT = 10.2'	
10.5 – 12.0		BROWN SILTY SANDY GRAVEL MOIST	12.0	S5	10.0 – 12.0		ND		
12.0 – 16.0		GRAY GRAVEL TRACE SAND & SILT. WET				14/48"	ND		
16.0		End of Borehole @ 16.0FT	16.0						

Drill Method: TRUCK MOUNTED SIMCO GEOPROBE

Drill Date: 10/7/00

Hole Size: 2.0in

Datum:

Checked by: JM

Sheet: 1 of 1

Project No: 46A6.01

Project: DAY HABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location: GOWANDA, NEW YORK

Log of Borehole: GP-202

Enclosure:

Engineer: J. MARSCHNER

SUBSURFACE PROFILE				SAMPLE			Volatile Organic Concentration ppm 200 400	Well Data	Lab Analysis
Depth (ft / m)	Symbol	Description	Elev.	Number	Type	Recovery			
0 / 0		Ground Surface	0		SOIL				
		BROWN SAND & GRAVEL WITH TRACE SILT	0.0			38/48	ND		
1.6		BROWN CLAYEY SILT, MOIST STONE TRACE SAND. DAMP (DARK BROWN 2.5 TO 3.2)		S1	2.5 3.2		ND		
			4.0				ND		
6.4		SAME AS ABOVE		S2	6.4 7.4	48/48	ND		
		BROWN CLAYEY SILT, MOIST	8.0				ND		
		SAME AS ABOVE	8.0				ND		
10.2		BROWN MIX OF SAND - MOIST		S3	10.2 10.8		ND		
10.8		BROWN GRAVEL WITH LITTLE SAND MOIST TO WET	12.0						
			-20					11.0 SCREEN	MANUFACTURED SANDS 10 @ 11.0 ft

Drill Method: TRUCK MOUNTED 8 INCH GEOPROBE

Drill Date: 10/7/00

Hole Size: 2.0"

Datum:

Checked by: JH

Sheet: 1 of 1

Project No: 4696.01

Project: DAY HABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location: GOWANDA, NY

Log of Borehole: GP-203

Enclosure:

Engineer: J. MALSCHNER

Depth (ft)	Depth (m)	Symbol	Description	Elev.	Sample Number	Sample Type	Recovery	Volatile Organic Concentration (ppm)	Well Data	Lab Analysis
0	0		Ground Surface ASPHALT	0		SOIL			NO WELL	
			BROWN COARSE TO FINE SAND WITH GRAVEL DAMP	0.0			42/48	ND		
2			SLIGHTLY CLAYEY BROWN SILT	2.0	S1	2.0 - 2.4				
3	1		BROWN SILT, TRACE SAND TRACE GRAVEL, DAMP					ND		
4			SAME AS ABOVE	4.0				ND		
5			BROWN MED SAND, TRACE SILT DAMP TO MOIST	5.1						
6				5.9	S2	5.9 - 7.9	40/48"			
7	2		BROWN SILT, SOME SAND DAMP TO MOIST.					ND		
8			BROWN COARSE TO MEDIUM SAND AND SILT	7.7						
9			SAME EXCEPT BLACKENED MOIST	8.0 J	S3	8.0 - 9.5	18/18	ND		
			REFUSAL @ 9.5FT.	9.5						
10	3									
11										
12										
13	4									
14										
15										
16	5									
17										
18										
19										
20	6			-20						

Drill Method: SIMCO GEOPROBE

Drill Date: 10/7/00

Hole Size: 2.0in

Datum:

Checked by:

Sheet: 1 of 1

Project No: 4046.01

Project: DAM REHABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location: GOLDEN, NM

Log of Borehole: GP-204

Enclosure:

Engineer: J. MARSCHNER

Depth (ft / m)	Symbol	Description	Elev.	Sample Number	Sample Type	Recovery	Volatile Organic Concentration (ppm, 200–400)	Well Data	Lab Analysis
0 / 0		Ground Surface GRASS	0		SOIL			NO WELL	
		BROWN MOIST SAND WITH GRAVEL MOIST	0.0			24/48"	ND		
1 /					1.4				
2 /		BROWN SILTY FINE SAND TRACE STONE. DAMP		S1	2.0				
3 / 1									
4 /			4.0						
		SAME AS ABOVE	4.0		4.0				
5 /				S2		24/24"	ND		
6 / 2		BROWN SANDY GRAVEL TO GRAVELLY			6.0				
7 /		REFUSAL @ 6.0 FT							
8 /									
9 /									
10 / 3									
11 /									
12 /									
13 / 4									
14 /									
15 /									
16 /									
17 / 5									
18 /							FLOOR LEVEL		
19 /									
20 / 6			-20						

Drill Method: GEOPROBE

Drill Date: 10/7/06

Hole Size: 2.0in

Datum:

Checked by: JM

Sheet: 1 of 1

Project No: 4696.01

Project: JAIL HABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location: GOUVERNEUR, NY

Log of Borehole: GB-205

Enclosure: SEE PLAN

Engineer: J. MARSCHNER

Depth (ft / m)	Symbol	Description	Elev.	Sample Number	Sample Type	Recovery	Volatile Organic Concentration (ppm)	Well Data	Lab Analysis
0 / 0		Ground Surface LAWN	0						
		BROWN GRAVELLY SAND, TRACE SILT, DAMP	0.0	S1	1.9	30/48	ND		
1.8		BROWN SILT, TRACE SAND TRACE GRAVEL, DAMP			2.9		ND		
			4.0				ND		
6.2		SAME EXCEPT W OCCASIONAL HI OF SAND LENSES MOIST EXCEPT WET		S2	6.0	36/48	ND	6.1	
					7.0		ND		
			8.0		8.0				
		BROWN SANDY GRAVEL TRACE SILT WET	8.0	S3	10.2	30/36	ND	11.1	
10.2		GRAY SANDY GRAVEL WET			10.1				
11.1		GRAY GRAVEL SOME SAND & SILT WET	12.0						
		BOTTOM OF BOREHOLE @12.0'							
			-20						

Drill Method: ROCK MOUNTED DRILL RIG CASING HAMMER DRIVING

Drill Date: 10/7/00

Hole Size: 3.5"

Datum:

Checked by: JM

Sheet: 1 of 1

Project No: 4696.01

Project: DAM HABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location: GOUVERNEUR, NY

Log of Borehole: GP-206

Enclosure:

Engineer: J. MARLENTHOR

SUBSURFACE PROFILE				SAMPLE			Volatile Organic Concentration ppm 200 400	Well Data	Lab Analysis
Depth	Symbol	Description	Elev.	Number	Type	Recovery			
ft / m		Ground Surface ASPHALT	0						
0		BROWN GRAVELLY SAND TRACE SILT DRY	0.0						
1				S1	1.3	46/48"	2.1		
2		BLACK CINDER ASH MATERIAL DAMP	2.2		2.2		36		
3	1			S2	2.2		32		
4			4.0		4.0				
5		SAME AS ABOVE	4.0				10		
6			6.3			48/48	7.8		
7	2	BROWN SANDY SILT TRACE SILT WET		S3	6.3				
8			8.0		8.0		4.3		
9		SAME AS ABOVE	8.0	S4	8.0		36		
10	3		10.3		10.0	48/48	32		
11		GRAY GRAVEL, SOME SAND & SILT WET	11.8				2.8		
12		RETURN @ 11.8 FT							
13	4	INSTALLATION							
14									
15									
16	5								
17									
18									
19									
20	6		-20						

Drill Method: GEOPROBE

Drill Date: 10/7/00

Hole Size: 2.0in

Datum:

Checked by: JM

Sheet: 1 of 1

Project No: 4046.01

Project: DAM HABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location: GOWANDA, NY

Log of Borehole: GP-207

Enclosure:

Engineer: J. MUELLER

Depth (ft / m)	Symbol	Description	Elev.	Sample Number	Sample Type	Recovery	Volatile Organic Concentration (ppm, 200–400)	Well Data	Lab Analysis
0 / 0		Ground Surface	0						
0		BROWN SANDY GRAVEL DAMP.	0.0			36/48"	5		
1							10		
2	1.8	BROWN SILT TRACE STONE AND BRICK DAMP		S1	2.0–3.0		20		
3 / 1									
4			4.0				5		
5									
6	6.3			S2	6.3–7.3	48/48	10		
7 / 2		BROWN SANDY SILT WET					0.2		
8			8.0				5		
9									
10 / 3		SAME WET				48/48	5		
11	10.6	GRAY GRAVEL WITH SAND TRACE SILT WET					10		
12		BOTTOM OF BORING @ 12.0	12.0						
13 / 4									
14									
15									
16 / 5									
17									
18									
19									
20 / 6			20						

Drill Method: GEOPROBE

Drill Date: 10/7/00

Hole Size: 2.0in

Datum:

Checked by: JM

Sheet: 1 of 1

Project No: 4640.01

Project: DAY HABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location: GOWANDA, NY

Log of Borehole: GP-208

Enclosure:

Engineer: J. MARSCHNER

SUBSURFACE PROFILE				SAMPLE			Volatile Organic Concentration (ppm, 200–400)	Well Data	Lab Analysis
Depth (ft / m)	Symbol	Description	Elev.	Number	Type	Recovery			
0 / 0		Ground Surface	0						
0 – 1.3		BROWN SANDY GRAVELLY TRACE SILT, DAMP	0.0				0		
1.3 – 4.0		BROWN COARSE SILT, TRACE SAND & STONE, DAMP		S1	1.3 – 3.3		0		
4.0 – 8.0		SAME AS ABOVE (LOOSE)	4.0	S2	4.0 – 5.2		0		
8.0 – 9.6		SAME AS ABOVE	8.0	S3	9.6 – 10.8	4/8, 4/8	0		
9.6 – 10.8		BROWN WET SANDY SILT					0		
10.8 – 12.0		GRAY SANDY GRAVELLY SILT, WET					0		
12.0		BOTTOM OF BORE @ 12.0 FT	12.0						
20 / 6			-20						

2.4
1.2

Drill Method: GEOPROBE

Drill Date: 10/7/00

Hole Size: 2.0 in

Datum:

Checked by: JM

Sheet: 1 of 1

Project No: 4696.01

Log of Borehole: GP-209

Project: DAY HABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location:

Enclosure:

Engineer: J MARSCHNER

SUBSURFACE PROFILE				SAMPLE					
Depth (ft / m)	Symbol	Description	Elev.	Number	Type	Recovery	Volatile Organic Concentration (ppm, 200–400)	Well Data	Lab Analysis
0 / 0		Ground Surface	0		SOA				
		BROWN SANDY GRAVELLY TRACE SILT DAMP	0.0						
1 /					1.0	40/48	0.5		
2 /	1.0			S1			0.5		
		BROWN GRAVELLY SILTY TRACE SAND & STONE DAMP			2.5		1.0		
3 / 1									
4 /			4.0						
			4.0						
5 /		SAME AS ABOVE					1.5		
6 /	5.8				5.8	48/48	1.5		
		BROWN SANDY SILT WET		S2					
7 / 2					6.8		1.5		
8 /			8.0						
			8.0						
9 /		SAME AS ABOVE					1.5		
10 / 3	10.1					36/48	1.0		
	10.7	GRAY SAND TRACE SILT WET		S3	10.1 10.7				
11 /		BROWN SANDY GRAVEL WET					5.0		
12 /	12.0		12.0						
13 / 4									
14 /									
15 /									
16 / 5									
17 /									
18 /									
19 /									
20 / 6			-20						

Drill Method: GEOPROBE

Drill Date: 10/7/00

Hole Size: 2.0in

Datum:

Checked by: JM

Sheet: 1 of 1

Project No: 4696.01

Project: DAY HABILITATION CENTER

Client: ARCHITECTURAL RESOURCES

Location: COLUMBIA, MO

Log of Borehole: GP-210

Enclosure:

Engineer: J. MARSCHER

SUBSURFACE PROFILE				SAMPLE			Volatile Organic Concentration (ppm, 200–400)	Well Data	Lab Analysis
Depth (ft / m)	Symbol	Description	Elev.	Number	Type	Recovery			
0 / 0		Ground Surface	0						
		Brown clayey Sand Trace Silt Damp	0.0	S1	2.0	48/48	ND		
4 / 1			4.0		4.0		ND		
			4.0						
5 / 2	5.2			S2	5.2	40/48	2.4		
	5.7	Brown clayey Silt, some Gravel Trace Sand			5.7				
			8.0						
9 / 3		Same	8.0				ND		
	10.9	Gravel Sandy Gravel Wet		S3	9.0 – 11.0	36/48	ND		
12 / 4			12.0						
		Bottom of Boring @ 12.0 ft							
20 / 6			-20						

Drill Method: GEOPROBE

Drill Date: 10/7/00

Hole Size: 2.0 in

Datum:

Checked by: JM

Sheet: 1 of 1

Appendix 4

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: BERGMANN ASSOCIATES	COMPANY: SAME	LAB PROJECT #: 00-2291 / CLIENT PROJECT #:
ADDRESS: 200 [illegible] Plaza A, 28 E. Main St	ADDRESS:	
CITY: ROCHESTER STATE: NY ZIP: 14614	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 232-5135 FAX:	PHONE: FAX:	STD [X] 5 / OTHER [ ] 1 [ ] 2 [ ] 3
PROJECT NAME/SITE NAME: CONANDA, NY	ATTN: JIM MARSCHNER	ATTN:
	COMMENTS:	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	EPA 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 10/7/00	0845		X	GP-201 S2 4.0 TO 6.0 FT	SOIL	1	X		82647
2 10/7/00	0915		X	GP-202 S2 6.4 TO 7.4 FT	SOIL	1	X		82655
3 10/7/00	1140		X	GP-203 S2 6.0 TO 7.0 FT	SOIL	1	X		82666
4 10/7/00	1245		X	GP-206 S2 2.2 TO 4.0 FT	SOIL	1	X		82677
5 10/7/00	1255		X	GP-206 S4 8.0 TO 10.0 FT	SOIL	1	X		82688
6 10/7/00	1315		X	GP-207 S1 2.0 TO 3.0 FT	SOIL	1	X		82699
7 10/7/00	1413		X	GP-209 S1 1.0 TO 2.5 FT	SOIL	1	X		82710
8 10/7/00	1505		X	GP-210 S2 5.2 TO 5.7 FT	SOIL	1	X		82711
9 10/7/00	1510		X	TW-205	AQ	2	X		82712
10 10/7/00	1550		X	TW-206	AQ	2	X		82713

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: [ ] PRESERVATIONS: [ ] HOLDING TIME: [ ] TEMPERATURE: [ ]

Sampled By:	Date/Time:	Received By:	Date/Time:	Total Cost:
[signature]	AS ABOVE			
Relinquished By:	Date/Time:	Received By:	Date/Time:	
[signature]	10/9/00 @ 0950	[signature]	10/9/00 9:50 AM	
Relinquished By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Bergmann Associates	**Lab Project No:**	00-2291
		Lab Sample No:	8264
Client Job Site:	Gowanda, NY		
		Sample Type:	Soil
Client Job No:	N/A		
		Date Sampled:	10/07/00
Field Location:	GP-201 S2 4-6ft	**Date Received:**	10/09/00
Field ID No:	N/A	**Date Analyzed:**	10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.9	Benzene	ND< 10.9
Bromomethane	ND< 10.9	Chlorobenzene	ND< 10.9
Bromoform	ND< 10.9	Ethylbenzene	ND< 10.9
Carbon tetrachloride	ND< 10.9	Toluene	ND< 10.9
Chloroethane	ND< 10.9	m,p - Xylene	ND< 10.9
Chloromethane	ND< 10.9	o - Xylene	ND< 10.9
2-Chloroethyl vinyl ether	ND< 10.9	Styrene	ND< 10.9
Chloroform	ND< 10.9		
Dibromochloromethane	ND< 10.9		
1,1-Dichloroethane	ND< 10.9		
1,2-Dichloroethane	ND< 10.9		
1,1-Dichloroethene	ND< 10.9		
cis-1,2-Dichloroethene	ND< 10.9		
trans-1,2-Dichloroethene	ND< 10.9	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 10.9	Acetone	ND< 54.3
cis-1,3-Dichloropropene	ND< 10.9	Vinyl acetate	ND< 27.2
trans-1,3-Dichloropropene	ND< 10.9	2-Butanone	ND< 27.2
Methylene chloride	ND< 27.2	4-Methyl-2-pentanone	ND< 27.2
1,1,2,2-Tetrachloroethane	ND< 10.9	2-Hexanone	ND< 27.2
Tetrachloroethene	ND< 10.9	Carbon disulfide	ND< 27.2
1,1,1-Trichloroethane	ND< 10.9		
1,1,2-Trichloroethane	ND< 10.9		
Trichloroethene	ND< 10.9		
Vinyl Chloride	ND< 10.9		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

002291V1.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Bergmann Associates
Client Job Site: Gowanda, NY
Client Job No: N/A
Field Location: GP-202 S2 6.4-7.4ft
Field ID No: N/A

Lab Project No: 00-2291
Lab Sample No: 8265
Sample Type: Soil
Date Sampled: 10/07/00
Date Received: 10/09/00
Date Analyzed: 10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 7.96	Benzene	ND< 7.96
Bromomethane	ND< 7.96	Chlorobenzene	ND< 7.96
Bromoform	ND< 7.96	Ethylbenzene	ND< 7.96
Carbon tetrachloride	ND< 7.96	Toluene	ND< 7.96
Chloroethane	ND< 7.96	m,p - Xylene	ND< 7.96
Chloromethane	ND< 7.96	o - Xylene	ND< 7.96
2-Chloroethyl vinyl ether	ND< 7.96	Styrene	ND< 7.96
Chloroform	ND< 7.96		
Dibromochloromethane	ND< 7.96		
1,1-Dichloroethane	ND< 7.96		
1,2-Dichloroethane	ND< 7.96		
1,1-Dichloroethene	ND< 7.96		
cis-1,2-Dichloroethene	13 1		
trans-1,2-Dichloroethene	ND< 7.96	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 7.96	Acetone	ND< 39.8
cis-1,3-Dichloropropene	ND< 7.96	Vinyl acetate	ND< 19.9
trans-1,3-Dichloropropene	ND< 7.96	2-Butanone	ND< 19.9
Methylene chloride	ND< 19.9	4-Methyl-2-pentanone	ND< 19.9
1,1,2,2-Tetrachloroethane	ND< 7.96	2-Hexanone	ND< 19.9
Tetrachloroethene	ND< 7.96	Carbon disulfide	ND< 19.9
1,1,1-Trichloroethane	ND< 7.96		
1,1,2-Trichloroethane	ND< 7 96		
Trichloroethene	124		
Vinyl Chloride	ND< 7.96		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

002291V2.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Bergmann Associates	**Lab Project No:**	00-2291
		Lab Sample No:	8266
Client Job Site:	Gowanda, NY		
		Sample Type:	Soil
Client Job No:	N/A		
		Date Sampled:	10/07/00
Field Location:	GP-205 S2 6-7ft	**Date Received:**	10/09/00
Field ID No:	N/A	**Date Analyzed:**	10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 11.6	Benzene	ND< 11.6
Bromomethane	ND< 11.6	Chlorobenzene	ND< 11.6
Bromoform	ND< 11.6	Ethylbenzene	ND< 11.6
Carbon tetrachloride	ND< 11.6	Toluene	ND< 11.6
Chloroethane	ND< 11.6	m,p - Xylene	ND< 11.6
Chloromethane	ND< 11.6	o - Xylene	ND< 11.6
2-Chloroethyl vinyl ether	ND< 11.6	Styrene	ND< 11.6
Chloroform	ND< 11.6		
Dibromochloromethane	ND< 11.6		
1,1-Dichloroethane	ND< 11.6		
1,2-Dichloroethane	ND< 11.6		
1,1-Dichloroethene	ND< 11.6		
cis-1,2-Dichloroethene	ND< 11.6		
trans-1,2-Dichloroethene	ND< 11.6	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 11.6	Acetone	ND< 57.8
cis-1,3-Dichloropropene	ND< 11.6	Vinyl acetate	ND< 28.9
trans-1,3-Dichloropropene	ND< 11.6	2-Butanone	ND< 28.9
Methylene chloride	ND< 28.9	4-Methyl-2-pentanone	ND< 28.9
1,1,2,2-Tetrachloroethane	ND< 11.6	2-Hexanone	ND< 28.9
Tetrachloroethene	ND< 11.6	Carbon disulfide	ND< 28.9
1,1,1-Trichloroethane	ND< 11.6		
1,1,2-Trichloroethane	ND< 11.6		
Trichloroethene	ND< 11.6		
Vinyl Chloride	ND< 11.6		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

002291V3.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Bergmann Associates	**Lab Project No:**	00-2291
		Lab Sample No:	8267
Client Job Site:	Gowanda, NY		
		Sample Type:	Soil
Client Job No:	N/A		
		Date Sampled:	10/07/00
Field Location:	GP-206 S2 2.2-4ft	**Date Received:**	10/09/00
Field ID No:	N/A	**Date Analyzed:**	10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 119	Benzene	ND< 119
Bromomethane	ND< 119	Chlorobenzene	ND< 119
Bromoform	ND< 119	Ethylbenzene	ND< 119
Carbon tetrachloride	ND< 119	Toluene	ND< 119
Chloroethane	ND< 119	m,p - Xylene	ND< 119
Chloromethane	ND< 119	o - Xylene	ND< 119
2-Chloroethyl vinyl ether	ND< 119	Styrene	ND< 119
Chloroform	ND< 119		
Dibromochloromethane	ND< 119		
1,1-Dichloroethane	ND< 119		
1,2-Dichloroethane	ND< 119		
1,1-Dichloroethene	ND< 119		
cis-1,2-Dichloroethene	391		
trans-1,2-Dichloroethene	ND< 119	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 119	Acetone	ND< 596
cis-1,3-Dichloropropene	ND< 119	Vinyl acetate	ND< 298
trans-1,3-Dichloropropene	ND< 119	2-Butanone	ND< 298
Methylene chloride	ND< 298	4-Methyl-2-pentanone	ND< 298
1,1,2,2-Tetrachloroethane	ND< 119	2-Hexanone	ND< 298
Tetrachloroethene	ND< 119	Carbon disulfide	ND< 298
1,1,1-Trichloroethane	ND< 119		
1,1,2-Trichloroethane	ND< 119		
Trichloroethene	4,000		
Vinyl Chloride	ND< 119		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Bergmann Associates
Client Job Site: Gowanda, NY
Client Job No: N/A
Field Location: GP-206 S4 8-10ft
Field ID No: N/A

Lab Project No: 00-2291
Lab Sample No: 8268
Sample Type: Soil
Date Sampled: 10/07/00
Date Received: 10/09/00
Date Analyzed: 10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 11.9	Benzene	ND< 11.9
Bromomethane	ND< 11.9	Chlorobenzene	ND< 11.9
Bromoform	ND< 11.9	Ethylbenzene	ND< 11.9
Carbon tetrachloride	ND< 11.9	Toluene	ND< 11.9
Chloroethane	ND< 11.9	m,p - Xylene	ND< 11.9
Chloromethane	ND< 11.9	o - Xylene	ND< 11.9
2-Chloroethyl vinyl ether	ND< 11.9	Styrene	ND< 11.9
Chloroform	ND< 11.9		
Dibromochloromethane	ND< 11.9		
1,1-Dichloroethane	ND< 11.9		
1,2-Dichloroethane	ND< 11.9		
1,1-Dichloroethene	ND< 11.9		
cis-1,2-Dichloroethene	235		
trans-1,2-Dichloroethene	ND< 11.9	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 11.9	Acetone	ND< 59.6
cis-1,3-Dichloropropene	ND< 11.9	Vinyl acetate	ND< 29.8
trans-1,3-Dichloropropene	ND< 11.9	2-Butanone	ND< 29.8
Methylene chloride	ND< 29.8	4-Methyl-2-pentanone	ND< 29.8
1,1,2,2-Tetrachloroethane	ND< 11.9	2-Hexanone	ND< 29.8
Tetrachloroethene	ND< 11.9	Carbon disulfide	ND< 29.8
1,1,1-Trichloroethane	ND< 11.9		
1,1,2-Trichloroethane	ND< 11.9		
Trichloroethene	1,120		
Vinyl Chloride	ND< 11.9		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

002291V5.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Bergmann Associates	**Lab Project No:**	00-2291
		Lab Sample No:	8269
Client Job Site:	Gowanda, NY		
		Sample Type:	Soil
Client Job No:	N/A		
		Date Sampled:	10/07/00
Field Location:	GP-207 S1 2-3ft	**Date Received:**	10/09/00
Field ID No:	N/A	**Date Analyzed:**	10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.1	Benzene	ND< 10.1
Bromomethane	ND< 10.1	Chlorobenzene	ND< 10.1
Bromoform	ND< 10.1	Ethylbenzene	ND< 10.1
Carbon tetrachloride	ND< 10.1	Toluene	ND< 10.1
Chloroethane	ND< 10.1	m,p - Xylene	ND< 10.1
Chloromethane	ND< 10.1	o - Xylene	ND< 10.1
2-Chloroethyl vinyl ether	ND< 10.1	Styrene	ND< 10.1
Chloroform	ND< 10.1		
Dibromochloromethane	ND< 10.1		
1,1-Dichloroethane	ND< 10.1		
1,2-Dichloroethane	ND< 10.1		
1,1-Dichloroethene	ND< 10.1		
cis-1,2-Dichloroethene	ND< 10.1		
trans-1,2-Dichloroethene	ND< 10.1	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 10.1	Acetone	ND< 50.7
cis-1,3-Dichloropropene	ND< 10.1	Vinyl acetate	ND< 25.3
trans-1,3-Dichloropropene	ND< 10.1	2-Butanone	ND< 25.3
Methylene chloride	ND< 25.3	4-Methyl-2-pentanone	ND< 25.3
1,1,2,2-Tetrachloroethane	ND< 10.1	2-Hexanone	ND< 25.3
Tetrachloroethene	ND< 10.1	Carbon disulfide	ND< 25.3
1,1,1-Trichloroethane	ND< 10.1		
1,1,2-Trichloroethane	ND< 10.1		
Trichloroethene	24.6		
Vinyl Chloride	ND< 10.1		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

002291V6.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Bergmann Associates
Client Job Site: Gowanda, NY
Client Job No: N/A
Field Location: GP-209 S1 1-2.5ft
Field ID No: N/A

Lab Project No: 00-2291
Lab Sample No: 8270
Sample Type: Soil
Date Sampled: 10/07/00
Date Received: 10/09/00
Date Analyzed: 10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 12.7	Benzene	ND< 12.7
Bromomethane	ND< 12.7	Chlorobenzene	ND< 12.7
Bromoform	ND< 12.7	Ethylbenzene	ND< 12.7
Carbon tetrachloride	ND< 12.7	Toluene	ND< 12.7
Chloroethane	ND< 12.7	m,p - Xylene	ND< 12.7
Chloromethane	ND< 12.7	o - Xylene	ND< 12.7
2-Chloroethyl vinyl ether	ND< 12.7	Styrene	ND< 12.7
Chloroform	ND< 12.7		
Dibromochloromethane	ND< 12.7		
1,1-Dichloroethane	ND< 12.7		
1,2-Dichloroethane	ND< 12.7		
1,1-Dichloroethene	ND< 12.7		
cis-1,2-Dichloroethene	60.1		
trans-1,2-Dichloroethene	ND< 12.7	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 12.7	Acetone	ND< 63.7
cis-1,3-Dichloropropene	ND< 12.7	Vinyl acetate	ND< 31.9
trans-1,3-Dichloropropene	ND< 12.7	2-Butanone	ND< 31.9
Methylene chloride	ND< 31.9	4-Methyl-2-pentanone	ND< 31.9
1,1,2,2-Tetrachloroethane	ND< 12.7	2-Hexanone	ND< 31.9
Tetrachloroethene	ND< 12.7	Carbon disulfide	ND< 31.9
1,1,1-Trichloroethane	ND< 12.7		
1,1,2-Trichloroethane	ND< 12.7		
Trichloroethene	367		
Vinyl Chloride	ND< 12.7		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

002291V7.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Bergmann Associates	**Lab Project No:**	00-2291
		Lab Sample No:	8271
Client Job Site:	Gowanda, NY		
		Sample Type:	Soil
Client Job No:	N/A		
		Date Sampled:	10/07/00
Field Location:	GP-210 S2 5.2-5.7ft	**Date Received:**	10/09/00
Field ID No:	N/A	**Date Analyzed:**	10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.73	Benzene	ND< 9.73
Bromomethane	ND< 9.73	Chlorobenzene	ND< 9.73
Bromoform	ND< 9.73	Ethylbenzene	ND< 9.73
Carbon tetrachloride	ND< 9.73	Toluene	ND< 9.73
Chloroethane	ND< 9.73	m,p - Xylene	ND< 9.73
Chloromethane	ND< 9.73	o - Xylene	ND< 9.73
2-Chloroethyl vinyl ether	ND< 9.73	Styrene	ND< 9.73
Chloroform	ND< 9.73		
Dibromochloromethane	ND< 9.73		
1,1-Dichloroethane	ND< 9.73		
1,2-Dichloroethane	ND< 9.73		
1,1-Dichloroethene	ND< 9.73		
cis-1,2-Dichloroethene	ND< 9.73		
trans-1,2-Dichloroethene	ND< 9.73	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 9.73	Acetone	ND< 48.6
cis-1,3-Dichloropropene	ND< 9.73	Vinyl acetate	ND< 24.3
trans-1,3-Dichloropropene	ND< 9.73	2-Butanone	ND< 24.3
Methylene chloride	ND< 24.3	4-Methyl-2-pentanone	ND< 24.3
1,1,2,2-Tetrachloroethane	ND< 9.73	2-Hexanone	ND< 24.3
Tetrachloroethene	ND< 9.73	Carbon disulfide	ND< 24.3
1,1,1-Trichloroethane	ND< 9.73		
1,1,2-Trichloroethane	ND< 9.73		
Trichloroethene	68.4		
Vinyl Chloride	ND< 9.73		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Bergman Associates	**Lab Project No.:**	00-2291
Client Job Site:	Gowanda, NY	**Lab Sample No.:**	8272
Client Job No.:	N/A	**Sample Type:**	Water
Field Location:	TW-205	**Date Sampled:**	10/07/00
		Date Received:	10/09/00
Field ID No.:	N/A	**Date Analyzed:**	10/11/00

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00	Benzene	ND< 2.00
Bromomethane	ND< 2.00	Chlorobenzene	ND< 2.00
Bromoform	ND< 2.00	Ethylbenzene	ND< 2.00
Carbon tetrachloride	ND< 2.00	Toluene	ND< 2.00
Chloroethane	ND< 2.00	m,p - Xylene	ND< 2.00
Chloromethane	ND< 2.00	o - Xylene	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00	Styrene	ND< 2.00
Chloroform	ND< 2.00		
Dibromochloromethane	ND< 2.00		
1,1-Dichloroethane	ND< 2.00		
1,2-Dichloroethane	ND< 2.00		
1,1-Dichloroethene	ND< 2.00		
cis-1,2-Dichloroethene	ND< 2.00	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 2.00	Acetone	ND< 10.0
1,2-Dichloropropane	ND< 2.00	Vinyl acetate	ND< 5.00
cis-1,3-Dichloropropene	ND< 2.00	2-Butanone	ND< 5.00
trans-1,3-Dichloropropen	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
Methylene chloride	ND< 5.00	2-Hexanone	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00	Carbon disulfide	ND< 5.00
Tetrachloroethene	ND< 2.00		
1,1,1-Trichloroethane	ND< 2.00		
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	ND< 2.00		
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Bergman Associates	**Lab Project No.:**	00-2291
Client Job Site:	Gowanda, NY	**Lab Sample No.:**	8273
Client Job No.:	N/A	**Sample Type:**	Water
Field Location:	TW-206	**Date Sampled:**	10/07/00
		Date Received:	10/09/00
Field ID No.:	N/A	**Date Analyzed:**	10/12/00

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 20.0	Benzene	ND< 20.0
Bromomethane	ND< 20.0	Chlorobenzene	ND< 20.0
Bromoform	ND< 20.0	Ethylbenzene	ND< 20.0
Carbon tetrachloride	ND< 20.0	Toluene	ND< 20.0
Chloroethane	ND< 20.0	m,p - Xylene	ND< 20.0
Chloromethane	ND< 20.0	o - Xylene	ND< 20.0
2-Chloroethyl vinyl ether	ND< 20.0	Styrene	ND< 20.0
Chloroform	ND< 20.0		
Dibromochloromethane	ND< 20.0		
1,1-Dichloroethane	ND< 20.0		
1,2-Dichloroethane	ND< 20.0		
1,1-Dichloroethene	ND< 20.0		
cis-1,2-Dichloroethene	1,000	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 20.0	Acetone	ND< 100
1,2-Dichloropropane	ND< 20.0	Vinyl acetate	ND< 50.0
cis-1,3-Dichloropropene	ND< 20.0	2-Butanone	ND< 50.0
trans-1,3-Dichloropropen	ND< 20.0	4-Methyl-2-pentanone	ND< 50.0
Methylene chloride	ND< 50.0	2-Hexanone	ND< 50.0
1,1,2,2-Tetrachloroethan	ND< 20.0	Carbon disulfide	ND< 50.0
Tetrachloroethene	ND< 20.0		
1,1,1-Trichloroethane	ND< 20.0		
1,1,2-Trichloroethane	ND< 20.0		
Trichloroethene	1,600		
Vinyl Chloride	121		

Analytical Method: EPA 8260 ELAP ID No.: 10958

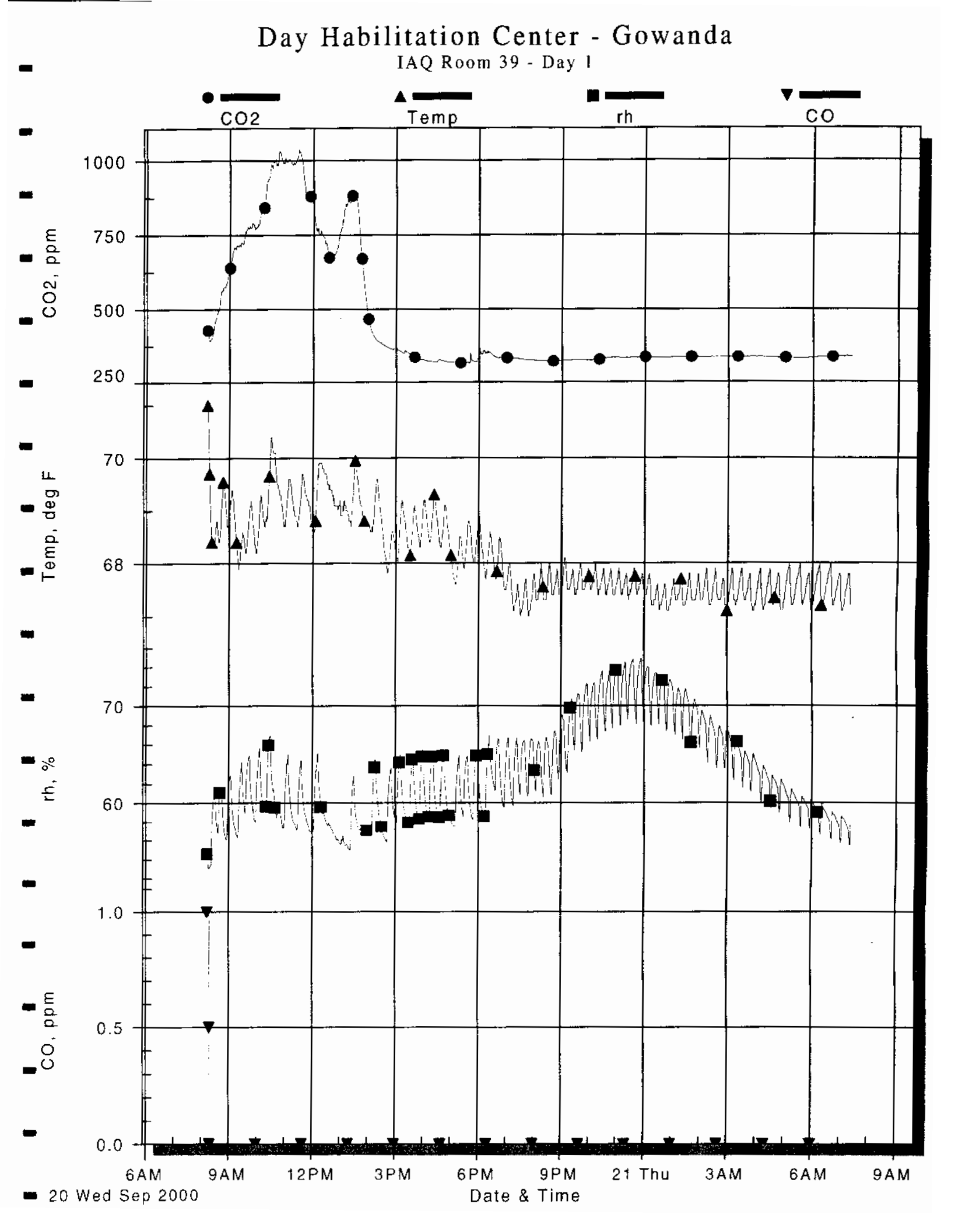
Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

002291V0.XLS

Day Habilitation Center - Gowanda

IAQ Room 39 - Day 1

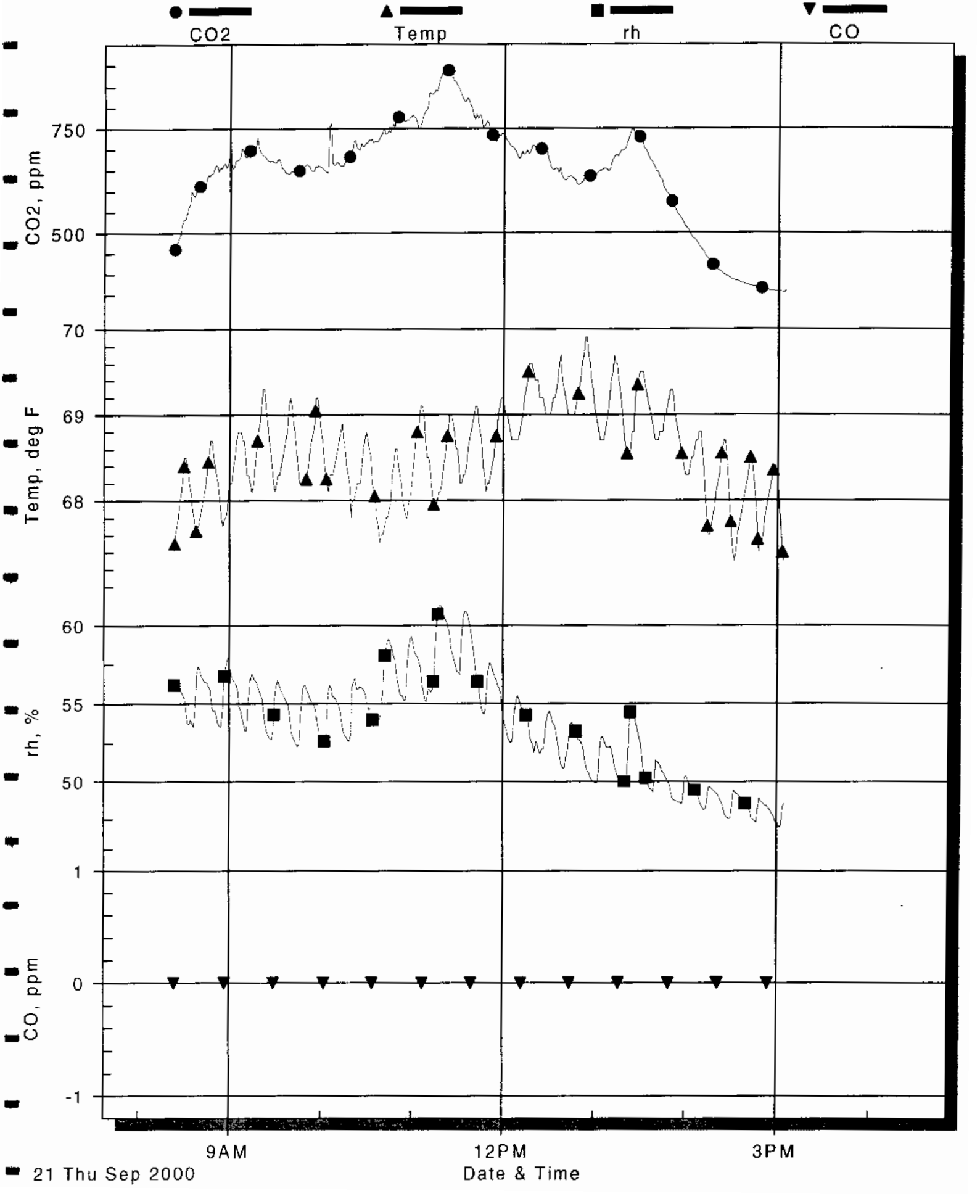


Current Graph: Room 39
Start time: 08:11:17 09/20/2000 Stop time: 07:22:17 09/21/2000

Legend:	CO2	Temp	rh	CO
Channel:	CO2	Temp	rh	CO
(Units)	ppm	deg F	%	ppm
Average:	447	68.1	63.2	0
Lowest point:	316	67.0	53.1	0
Time	17:13:17	19:31:17	08:15:17	08:18:17
Date	09/20/2000	09/20/2000	09/20/2000	09/20/2000
Highest point:	1035	71.0	74.9	1
Time	11:28:17	08:12:17	23:54:17	08:12:17
Date	09/20/2000	09/20/2000	09/20/2000	09/20/2000
Log interval: hh:mm:ss	00:01:00	00:01:00	00:01:00	00:01:00

Day Habilitation Center - Gowanda

IAQ Room 39 - Day 2

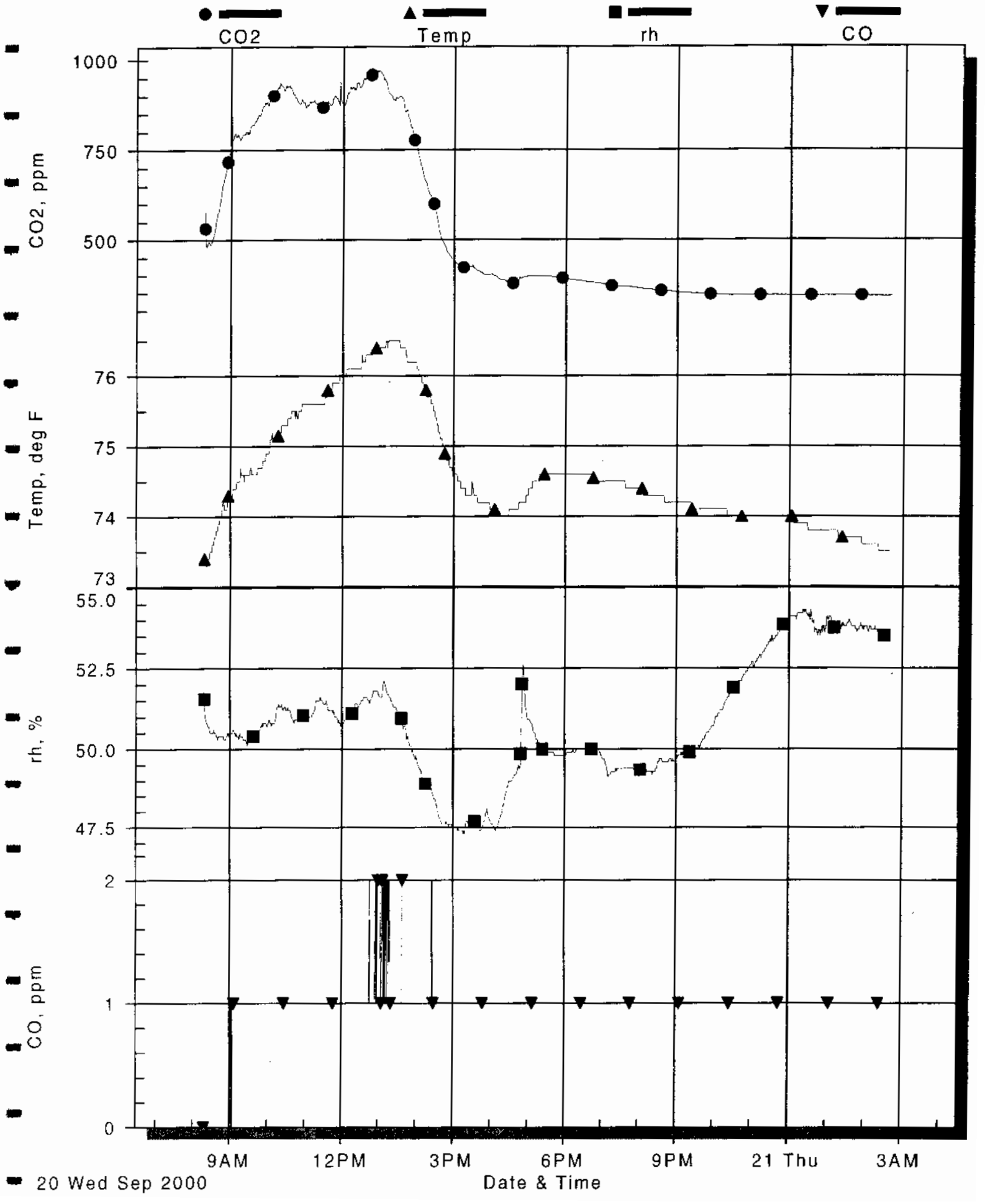


Current Graph: Room 39 (test day 2)
Start time: 08:23:26 09/21/2000 Stop time: 16:04:26 09/21/2000

Legend:	CO2	Temp	rh	CO
Channel:	CO2	Temp	rh	CO
(Units)	ppm	deg F	%	ppm
Average:	644	68.6	53.5	0
Lowest point:	355	67.3	47.0	0
Time	15:03:26	14:31:26	15:01:26	08:24:26
Date	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Highest point:	895	69.9	61.3	0
Time	11:20:26	12:53:26	11:18:26	08:24:26
Date	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Log interval: hh:mm:ss	00:01:00	00:01:00	00:01:00	00:01:00

Day Habilitation Center - Gowanda

IAQ Room 85 - Day 1

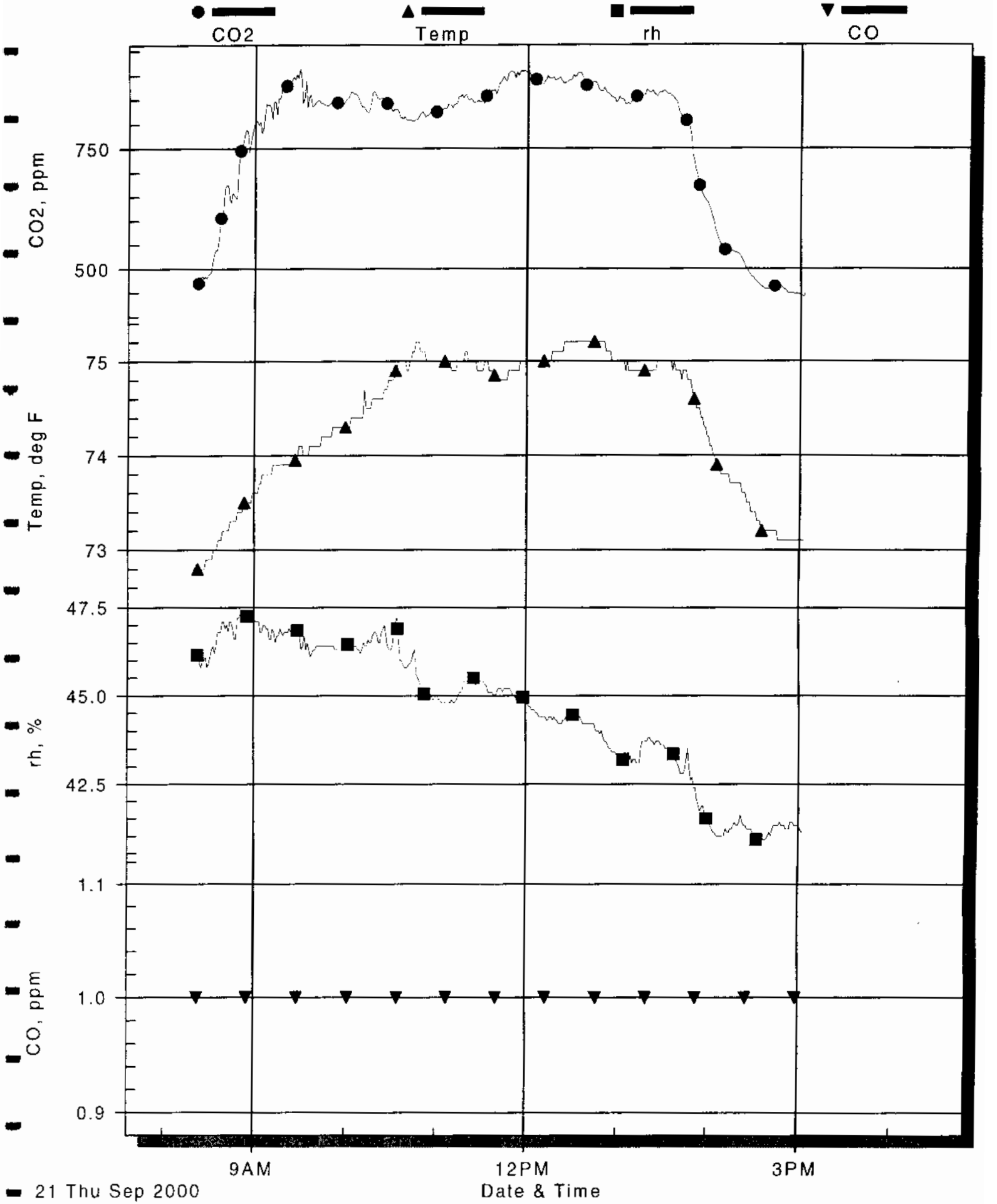


Current Graph: Room 85
Start time: 08:16:59 09/20/2000 Stop time: 02:38:59 09/21/2000

Legend:	CO2	Temp	rh	CO
Channel:	CO2	Temp	rh	CO
(Units)	ppm	deg F	%	ppm
Average:	526	74.6	50.8	1
Lowest point:	341	73.3	47.3	0
Time	02:03:59	08:20:59	15:15:59	08:17:59
Date	09/21/2000	09/20/2000	09/20/2000	09/20/2000
Highest point:	973	76.5	54.3	2
Time	12:50:59	13:09:59	00:21:59	12:45:59
Date	09/20/2000	09/20/2000	09/21/2000	09/20/2000
Log interval: hh:mm:ss	00:01:00	00:01:00	00:01:00	00:01:00

Day Habilitation Center - Gowanda

IAQ Room 85 - Day 2



Current Graph: Room 85 (test day 2)
Start time: 08:21:49 09/21/2000 Stop time: 16:02:49 09/21/2000

Legend:	CO2	Temp	rh	CO
Channel:	CO2	Temp	rh	CO
(Units)	ppm	deg F	%	ppm
Average:	772	74.4	44.6	1
Lowest point:	441	72.8	40.9	1
Time	15:01:49	08:22:49	14:31:49	08:22:49
Date	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Highest point:	914	75.2	47.3	1
Time	09:28:49	10:45:49	08:50:49	08:22:49
Date	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Log interval: hh:mm:ss	00:01:00	00:01:00	00:01:00	00:01:00

SEVERN TRENT SERVICES

STL Burlington

SAMPLE DATA SUMMARY PACKAGE

SDG NO: 79870

SEVERN TRENT SERVICES

STL Burlington
Suite 1
208 South Park Drive
Colchester, VT 05446

Tel: 802 655 1203
Fax: 802 655 1248
www.stl-inc.com

October 24, 2000

Mr. Jim Marschner
Bergman Associates
200 First Federal Plaza
28 East Main Street
Rochester, NY 14614

Re: Laboratory Project No. 20000
ETR: 79870

Dear Mr. Marschner:

Enclosed are the analytical results of samples received intact by Severn Trent Laboratories on September 25, 2000. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 9/25/00 ETR No: 79870		
431130	Room37	09/20/00	Air
431131	Room30	09/20/00	Air
431132	Room58B	09/20/00	Air
431133	Room85	09/20/00	Air
431134	Outside South	09/20/00	Air
431135	Room39	09/20/00	Air
431136	Room124	09/21/00	Air
431137	Room33	09/21/00	Air
431138	Room159	09/21/00	Air
431139	Room162	09/21/00	Air
431140	Room13	09/21/00	Air
431141	Room101	09/21/00	Air

Please note that manual integrations were performed for the processing of volatile organic data files. Documentation of these integrations can be found in supporting documentation section of the data package.

Please note the methylene chloride was detected above the reporting limit in the method blanks associated with these samples. The associated data has been flagged with the "B" qualifier.

SEVERN TRENT SERVICES

STL Burlington

If there are any questions regarding this submittal, please contact Christopher Anderson at (802) 655-1203.

This report is sequentially numbered starting with page 0001 and ending with page 202.

I certify that this package is in compliance with the NELAC requirements, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Sincerely,

Christopher A. Ouellette
Laboratory Director

CAO/bas
Enclosure

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

SAMPLE DATA SUMMARY PACKAGE

FOR TO-14A VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

OUTSIDESOUTH

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431134

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431134

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.58	
74-87-3	Chloromethane	0.57	
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.52	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

OUTSIDESOUTH

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431134

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431134

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM101

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431141

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431141

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	1.9	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.59	B
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.69	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM101

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431141

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431141

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM124

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431136

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431136

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.88	
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.55	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	3.3	B
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM124

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431136

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431136

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM13

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431140

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431140

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.86	B
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	2.1	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM13

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431140

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431140

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM159

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431138

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431138

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.56	
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.87	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.74	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM159

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431138

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431138

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM162

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431139

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431139

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.60	
74-87-3	Chloromethane	0.67	
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.52	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	1.2	B
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	2.2	
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.53	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM162

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431139

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431139

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM30

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431131

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431131

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	2.4	
67-66-3	Chloroform	0.70	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	9.4	
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.89	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM30

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431131

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431131

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ROOM33

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431137

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431137

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.84	
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.57	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	3.8	B
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ROOM33

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431137

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431137

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM37

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431130

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431130

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.58	
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.61	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM37

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431130

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431130

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM39

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431135

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431135

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	2.2	
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	1.1	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM39

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431135

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431135

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM58B

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431132

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431132

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	2.6	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.59	B
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.79	
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	1.2	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM58B

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431132

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431132

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM85

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431133

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431133

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.60	
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	1.0	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.72	
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	2.8	
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	1.4	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERGMA SAMPLE NO.

ROOM85

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: 431133

Sample wt/vol: 200 (g/mL) ML Lab File ID: 431133

Level: (low/med) LOW Date Received: 09/25/00

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

ABLKY6

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: ABLKY6

Sample wt/vol: 200 (g/mL) ML Lab File ID: CCB002

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	1.4	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

ABLKY6

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: ABLKY6

Sample wt/vol: 200 (g/mL) ML Lab File ID: CCB002

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

ABLKY9

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: ABLKY9

Sample wt/vol: 200 (g/mL) ML Lab File ID: CCB001A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.94	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

ABLKY9

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: ABLKY9

Sample wt/vol: 200 (g/mL) ML Lab File ID: CCB001A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	Dichlorotetrafluoroethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

Y6_ICVLCS

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: Y6_ICVLCS

Sample wt/vol: 200 (g/mL) ML Lab File ID: CC010Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	11	
74-87-3	Chloromethane	9.3	
75-01-4	Vinyl Chloride	9.5	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	10	
75-69-4	Trichlorofluoromethane	10	
76-13-1	Freon TF	9.8	
75-35-4	1,1-Dichloroethene	10	
75-09-2	Methylene Chloride	9.5	B
75-34-3	1,1-Dichloroethane	9.8	
156-59-2	cis-1,2-Dichloroethene	9.8	
67-66-3	Chloroform	9.7	
71-55-6	1,1,1-Trichloroethane	9.6	
56-23-5	Carbon Tetrachloride	9.7	
71-43-2	Benzene	9.8	
107-06-2	1,2-Dichloroethane	9.7	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
10061-01-5	cis-1,3-Dichloropropene	11	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	10	
79-00-5	1,1,2-Trichloroethane	11	
127-18-4	Tetrachloroethene	9.0	
108-90-7	Chlorobenzene	9.4	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (total)	29	
100-42-5	Styrene	10	
1330-20-7	Xylene (m,p)	19	
95-47-6	Xylene (o)	9.6	
79-34-5	1,1,2,2-Tetrachloroethane	9.8	
541-73-1	1,3-Dichlorobenzene	9.8	
106-46-7	1,4-Dichlorobenzene	9.7	
95-50-1	1,2-Dichlorobenzene	10	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

Y6_ICVLCS

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: Y6_ICVLCS

Sample wt/vol: 200 (g/mL) ML Lab File ID: CC010Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	10	
87-68-3	Hexachlorobutadiene	9.7	
108-67-8	1,3,5-Trimethylbenzene	10	
95-63-6	1,2,4-Trimethylbenzene	9.9	
76-14-2	Dichlorotetrafluoroethane	9.5	
106-93-4	1,2-Dibromoethane	9.8	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

Y9_LCS

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: Y9_LCS

Sample wt/vol: 200 (g/mL) ML Lab File ID: CC010AQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	13	
74-87-3	Chloromethane	9.2	
75-01-4	Vinyl Chloride	9.5	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	9.9	
75-69-4	Trichlorofluoromethane	12	
76-13-1	Freon TF	11	
75-35-4	1,1-Dichloroethene	11	
75-09-2	Methylene Chloride	10	B
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	10	
67-66-3	Chloroform	10	
71-55-6	1,1,1-Trichloroethane	11	
56-23-5	Carbon Tetrachloride	11	
71-43-2	Benzene	9.7	
107-06-2	1,2-Dichloroethane	11	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
10061-01-5	cis-1,3-Dichloropropene	11	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	12	
79-00-5	1,1,2-Trichloroethane	11	
127-18-4	Tetrachloroethene	9.0	
108-90-7	Chlorobenzene	9.3	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (total)	29	
100-42-5	Styrene	10	
1330-20-7	Xylene (m,p)	19	
95-47-6	Xylene (o)	9.9	
79-34-5	1,1,2,2-Tetrachloroethane	10	
541-73-1	1,3-Dichlorobenzene	9.2	
106-46-7	1,4-Dichlorobenzene	9.8	
95-50-1	1,2-Dichlorobenzene	9.9	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

Y9_LCS

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix: (soil/water) AIR Lab Sample ID: Y9_LCS

Sample wt/vol: 200 (g/mL) ML Lab File ID: CC010AQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/00

GC Column: DB-1 ID: 0.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
120-82-1	1,2,4-Trichlorobenzene	6.8	
87-68-3	Hexachlorobutadiene	9.9	
108-67-8	1,3,5-Trimethylbenzene	11	
95-63-6	1,2,4-Trimethylbenzene	10	
76-14-2	Dichlorotetrafluoroethane	10	
106-93-4	1,2-Dibromoethane	9.7	

FORM 2
AIR VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

	STLVT SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	OTHER	TOT OUT
01	Y6_ICVLCS					0
02	ABLKY6					0
03	ROOM37					0
04	ROOM30					0
05	ROOM58B					0
06	ROOM85					0
07	OUTSIDESOUTH					0
08	ROOM39					0
09	Y9_LCS					0
10	ABLKY9					0
11	ROOM124					0
12	ROOM33					0
13	ROOM159					0
14	ROOM162					0
15	ROOM101					0
16	ROOM13					0
17						
18						
19						
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29						
30						

QC LIMITS

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix Spike - STLVT Sample No.: Y6_ICVLCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		11	110	70-130
Chloromethane	10		9.3	93	70-130
Vinyl Chloride	10		9.5	95	70-130
Bromomethane	10		10	100	70-130
Chloroethane	10		10	100	70-130
Trichlorofluoromethane	10		10	100	70-130
Freon TF	10		9.8	98	70-130
1,1-Dichloroethene	10		10	100	70-130
Methylene Chloride	10		9.5	95	70-130
1,1-Dichloroethane	10		9.8	98	70-130
cis-1,2-Dichloroethene	10		9.8	98	70-130
Chloroform	10		9.7	97	70-130
1,1,1-Trichloroethane	10		9.6	96	70-130
Carbon Tetrachloride	10		9.7	97	70-130
Benzene	10		9.8	98	70-130
1,2-Dichloroethane	10		9.7	97	70-130
Trichloroethene	10		10	100	70-130
1,2-Dichloropropane	10		10	100	70-130
cis-1,3-Dichloropropene	10		11	110	70-130
Toluene	10		10	100	70-130
trans-1,3-Dichloroprope	10		10	100	70-130
1,1,2-Trichloroethane	10		11	110	70-130
Tetrachloroethene	10		9.0	90	70-130
Chlorobenzene	10		9.4	94	70-130
Ethylbenzene	10		10	100	70-130
Styrene	10		10	100	70-130
Xylene (m,p)	20		19	95	70-130
Xylene (o)	10		9.6	96	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix Spike - STLVT Sample No.: Y6_ICVLCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
1,1,2,2-Tetrachloroetha	10		9.8	98	70-130
1,3-Dichlorobenzene	10		9.8	98	70-130
1,4-Dichlorobenzene	10		9.7	97	70-130
1,2-Dichlorobenzene	10		10	100	70-130
1,2,4-Trichlorobenzene	10		10	100	70-130
Hexachlorobutadiene	10		9.7	97	70-130
1,3,5-Trimethylbenzene	10		10	100	70-130
1,2,4-Trimethylbenzene	10		9.9	99	70-130
Dichlorotetrafluoroetha	10		9.5	95	70-130
1,2-Dibromoethane	10		9.8	98	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 38 outside limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix Spike - STLVT Sample No.: Y9_LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		13	130	70-130
Chloromethane	10		9.2	92	70-130
Vinyl Chloride	10		9.5	95	70-130
Bromomethane	10		10	100	70-130
Chloroethane	10		9.9	99	70-130
Trichlorofluoromethane	10		12	120	70-130
Freon TF	10		11	110	70-130
1,1-Dichloroethene	10		11	110	70-130
Methylene Chloride	10		10	100	70-130
1,1-Dichloroethane	10		10	100	70-130
cis-1,2-Dichloroethene	10		10	100	70-130
Chloroform	10		10	100	70-130
1,1,1-Trichloroethane	10		11	110	70-130
Carbon Tetrachloride	10		11	110	70-130
Benzene	10		9.7	97	70-130
1,2-Dichloroethane	10		11	110	70-130
Trichloroethene	10		10	100	70-130
1,2-Dichloropropane	10		10	100	70-130
cis-1,3-Dichloropropene	10		11	110	70-130
Toluene	10		10	100	70-130
trans-1,3-Dichloroprope	10		12	120	70-130
1,1,2-Trichloroethane	10		11	110	70-130
Tetrachloroethene	10		9.0	90	70-130
Chlorobenzene	10		9.3	93	70-130
Ethylbenzene	10		10	100	70-130
Styrene	10		10	100	70-130
Xylene (m,p)	20		19	95	70-130
Xylene (o)	10		9.9	99	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Matrix Spike - STLVT Sample No.: Y9_LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
1,1,2,2-Tetrachloroetha	10		10	100	70-130
1,3-Dichlorobenzene	10		9.2	92	70-130
1,4-Dichlorobenzene	10		9.8	98	70-130
1,2-Dichlorobenzene	10		9.9	99	70-130
1,2,4-Trichlorobenzene	10		6.8	68*	70-130
Hexachlorobutadiene	10		9.9	99	70-130
1,3,5-Trimethylbenzene	10		11	110	70-130
1,2,4-Trimethylbenzene	10		10	100	70-130
Dichlorotetrafluoroetha	10		10	100	70-130
1,2-Dibromoethane	10		9.7	97	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 38 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

ABLKY6

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Lab File ID: CCB002 Lab Sample ID: ABLKY6

Date Analyzed: 09/26/00 Time Analyzed: 1326

GC Column: DB-1 ID: 0.35 (mm) Heated Purge: (Y/N) N

Instrument ID: W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	Y6_ICVLCS	Y6_ICVLCS	CC010Q	1154
02	ROOM37	431130	431130	1751
03	ROOM30	431131	431131	1825
04	ROOM58B	431132	431132	1858
05	ROOM85	431133	431133	1931
06	OUTSIDESOUTH	431134	431134	2005
07	ROOM39	431135	431135	2038
08				
09				
10				
11				
12				
13				
14				
15				
16				
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COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

ABLKY9

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Lab File ID: CCB001A Lab Sample ID: ABLKY9

Date Analyzed: 09/27/00 Time Analyzed: 1052

GC Column: DB-1 ID: 0.35 (mm) Heated Purge: (Y/N) N

Instrument ID: W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	Y9_LCS	Y9_LCS	CC010AQ	1019
02	ROOM124	431136	431136	1244
03	ROOM33	431137	431137	1317
04	ROOM159	431138	431138	1351
05	ROOM162	431139	431139	1424
06	ROOM101	431141	431141	1527
07	ROOM13	431140	431140	1559
08				
09				
10				
11				
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COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Lab File ID: CC001P BFB Injection Date: 09/26/00

Instrument ID: W BFB Injection Time: 0724

GC Column: DB-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.3
75	30.0 - 66.0% of mass 95	44.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (0.4)1
174	50.0 - 120.0% of mass 95	67.5
175	4.0 - 9.0% of mass 174	4.8 (7.1)1
176	93.0 - 101.0% of mass 174	64.8 (96.0)1
177	5.0 - 9.0% of mass 176	4.5 (7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD005	ASTD005	CC005	09/26/00	0814
02	ASTD010	ASTD010	CC010	09/26/00	0844
03	ASTD020	ASTD020	CC020	09/26/00	0915
04	ASTD040	ASTD040	CC040	09/26/00	0948
05	ASTD0005	ASTD0005	CC0005I2	09/26/00	1026
06	Y6_ICVLCS	Y6_ICVLCS	CC010Q	09/26/00	1154
07	ABLKY6	ABLKY6	CCB002	09/26/00	1326
08	ROOM37	431130	431130	09/26/00	1751
09	ROOM30	431131	431131	09/26/00	1825
10	ROOM58B	431132	431132	09/26/00	1858
11	ROOM85	431133	431133	09/26/00	1931
12	OUTSIDESOUTH	431134	431134	09/26/00	2005
13	ROOM39	431135	431135	09/26/00	2038
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Lab File ID: CC002P BFB Injection Date: 09/27/00

Instrument ID: W BFB Injection Time: 0827

GC Column: DB-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.5
75	30.0 - 66.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 120.0% of mass 95	70.4
175	4.0 - 9.0% of mass 174	5.1 (7.2)1
176	93.0 - 101.0% of mass 174	66.7 (94.7)1
177	5.0 - 9.0% of mass 176	4.4 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	CC010A	09/27/00	0849
02	Y9_LCS	Y9_LCS	CC010AQ	09/27/00	1019
03	ABLKY9	ABLKY9	CCB001A	09/27/00	1052
04	ROOM124	431136	431136	09/27/00	1244
05	ROOM33	431137	431137	09/27/00	1317
06	ROOM159	431138	431138	09/27/00	1351
07	ROOM162	431139	431139	09/27/00	1424
08	ROOM101	431141	431141	09/27/00	1527
09	ROOM13	431140	431140	09/27/00	1559
10					
11					
12					
13					
14					
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22					

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Instrument ID: W Calibration Date(s): 09/26/00 09/26/00

Heated Purge: (Y/N) N Calibration Time(s): 0814 1026

GC Column: DB-1 ID: 0.35 (mm)

LAB FILE ID: RRF0.5=CC0005I2 RRF5 =CC005
RRF10 =CC010 RRF20 =CC020 RRF40 =CC040

COMPOUND	RRF0.5	RRF5	RRF10	RRF20	RRF40	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.889	2.449	2.152	2.058	0.810	2.072	37.4
* Chloromethane	0.920	0.665	0.592	0.587	0.540	0.661	22.9*
Vinyl Chloride	0.929	0.741	0.680	0.667	0.611	0.726	16.9
Bromomethane	1.306	0.991	0.885	0.781	0.801	0.953	22.5
Chloroethane	0.552	0.449	0.397	0.398	0.370	0.433	16.7
Trichlorofluoromethane	3.208	2.202	1.996	1.957	1.850	2.243	24.7
Freon TF	2.860	1.880	1.692	1.650	1.570	1.930	27.6
1,1-Dichloroethene	1.131	0.843	0.756	0.734	0.705	0.834	20.8
Methylene Chloride	1.475	0.911	0.840	0.816	0.792	0.967	29.8
* 1,1-Dichloroethane	2.196	1.583	1.408	1.388	1.317	1.578	22.7*
cis-1,2-Dichloroethene	1.457	1.333	1.195	1.032	1.007	1.205	16.0
Chloroform	2.793	2.182	1.974	1.767	1.690	2.081	21.2
1,1,1-Trichloroethane	2.494	2.035	1.837	1.671	1.573	1.922	19.0
Carbon Tetrachloride	0.586	0.434	0.386	0.398	0.366	0.434	20.4
Benzene	0.776	0.680	0.600	0.527	0.494	0.615	18.6
1,2-Dichloroethane	1.809	1.399	1.301	1.174	1.115	1.360	20.2
Trichloroethene	0.350	0.317	0.272	0.226	0.216	0.276	20.9
1,2-Dichloropropane	0.300	0.259	0.230	0.171	0.165	0.225	25.8
cis-1,3-Dichloropropene	0.336	0.325	0.302	0.261	0.260	0.297	11.9
Toluene	0.468	0.517	0.446	0.362	0.327	0.424	18.4
trans-1,3-Dichloropropene	0.248	0.216	0.210	0.181	0.187	0.208	12.8
1,1,2-Trichloroethane	0.307	0.277	0.239	0.170	0.155	0.230	28.6
Tetrachloroethene	0.417	0.390	0.339	0.336	0.294	0.355	13.7
* Chlorobenzene	0.753	0.658	0.566	0.505	0.482	0.593	19.0*
Ethylbenzene	1.050	1.130	0.978	0.779	0.838	0.955	15.2
Xylene (total)	1.206	1.220	1.065	0.978	0.995	1.093	10.5
Styrene	0.360	0.508	0.480	0.457	0.449	0.451	12.4
Xylene (m,p)	0.404	0.412	0.358	0.326	0.333	0.367	10.8
Xylene (o)	0.397	0.397	0.348	0.327	0.328	0.359	9.8
1,1,2,2-Tetrachloroethane	0.800	0.677	0.580	0.491	0.515	0.613	20.8
1,3-Dichlorobenzene	0.624	0.593	0.567	0.553	0.530	0.573	6.4
1,4-Dichlorobenzene	0.641	0.519	0.475	0.470	0.457	0.512	14.8
1,2-Dichlorobenzene	0.431	0.458	0.428	0.436	0.419	0.434	3.4
1,2,4-Trichlorobenzene	0.127	0.072	0.086	0.131	0.127	0.109	25.6
Hexachlorobutadiene	0.157	0.143	0.133	0.140	0.140	0.143	6.2
1,3,5-Trimethylbenzene	0.708	0.868	0.768	0.722	0.689	0.751	9.5
1,2,4-Trimethylbenzene	0.820	0.822	0.739	0.712	0.687	0.756	8.3

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Instrument ID: W Calibration Date(s): 09/26/00 09/26/00

Heated Purge: (Y/N) N Calibration Time(s): 0814 1026

GC Column: DB-1 ID: 0.35 (mm)

LAB FILE ID: RRF0.5=CC0005I2 RRF5 =CC005
RRF10 =CC010 RRF20 =CC020 RRF40 =CC040

COMPOUND	RRF0.5	RRF5	RRF10	RRF20	RRF40	$\overline{RRF}$	% RSD
Dichlorotetrafluoroethane	3.616	2.608	2.264	2.097	2.070	2.531	25.4
1,2-Dibromoethane	0.448	0.439	0.392	0.350	0.349	0.396	11.9

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Instrument ID: W Calibration Date: 09/26/00 Time: 0844

Lab File ID: CC010 Init. Calib. Date(s): 09/26/00 09/26/00

Heated Purge: (Y/N) N Init. Calib. Times: 0814 1026

GC Column: DB-1 ID: 0.35 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.072	2.152	0.01	3.9	30.0
Chloromethane	0.661	0.592	0.1	10.4	30.0
Vinyl Chloride	0.726	0.680	0.01	6.3	30.0
Bromomethane	0.953	0.885	0.01	7.1	30.0
Chloroethane	0.433	0.397	0.01	8.3	30.0
Trichlorofluoromethane	2.243	1.996	0.01	11.0	30.0
Freon TF	1.930	1.692	0.01	12.3	30.0
1,1-Dichloroethene	0.834	0.756	0.01	9.4	30.0
Methylene Chloride	0.967	0.840	0.01	13.1	30.0
1,1-Dichloroethane	1.578	1.408	0.1	10.8	30.0
cis-1,2-Dichloroethene	1.205	1.195	0.01	0.8	30.0
Chloroform	2.081	1.974	0.01	5.1	30.0
1,1,1-Trichloroethane	1.922	1.837	0.01	4.4	30.0
Carbon Tetrachloride	0.434	0.386	0.01	11.0	30.0
Benzene	0.615	0.600	0.01	2.4	30.0
1,2-Dichloroethane	1.360	1.301	0.01	4.3	30.0
Trichloroethene	0.276	0.272	0.01	1.4	30.0
1,2-Dichloropropane	0.225	0.230	0.01	2.2	30.0
cis-1,3-Dichloropropene	0.297	0.302	0.01	1.7	30.0
Toluene	0.424	0.446	0.01	5.2	30.0
trans-1,3-Dichloropropene	0.208	0.210	0.01	1.0	30.0
1,1,2-Trichloroethane	0.230	0.239	0.01	3.9	30.0
Tetrachloroethene	0.355	0.339	0.01	4.5	30.0
Chlorobenzene	0.593	0.566	0.3	4.6	30.0
Ethylbenzene	0.955	0.978	0.01	2.4	30.0
Xylene (total)	1.093	1.065	0.01	2.6	30.0
Styrene	0.451	0.480	0.01	6.4	30.0
Xylene (m,p)	0.367	0.358	0.01	2.4	30.0
Xylene (o)	0.359	0.348	0.01	3.1	30.0
1,1,2,2-Tetrachloroethane	0.613	0.580	0.01	5.4	30.0
1,3-Dichlorobenzene	0.573	0.567	0.01	1.0	30.0
1,4-Dichlorobenzene	0.512	0.475	0.01	7.2	30.0
1,2-Dichlorobenzene	0.434	0.428	0.01	1.4	30.0
1,2,4-Trichlorobenzene	0.109	0.086	0.01	21.1	30.0
Hexachlorobutadiene	0.143	0.133	0.01	7.0	30.0
1,3,5-Trimethylbenzene	0.751	0.768	0.01	2.3	30.0
1,2,4-Trimethylbenzene	0.756	0.739	0.01	2.2	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Instrument ID: W Calibration Date: 09/26/00 Time: 0844

Lab File ID: CC010 Init. Calib. Date(s): 09/26/00 09/26/00

Heated Purge: (Y/N) N Init. Calib. Times: 0814 1026

GC Column: DB-1 ID: 0.35 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorotetrafluoroethane	2.531	2.264	0.01	10.5	30.0
1,2-Dibromoethane	0.396	0.392	0.01	1.0	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Instrument ID: W Calibration Date: 09/27/00 Time: 0849

Lab File ID: CC010A Init. Calib. Date(s): 09/26/00 09/26/00

Heated Purge: (Y/N) N Init. Calib. Times: 0814 1026

GC Column: DB-1 ID: 0.35 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	2.072	2.654	0.01	28.1	30.0	
Chloromethane	0.661	0.533	0.1	19.4	30.0	
Vinyl Chloride	0.726	0.644	0.01	11.3	30.0	
Bromomethane	0.953	0.951	0.01	0.2	30.0	
Chloroethane	0.433	0.402	0.01	7.2	30.0	
Trichlorofluoromethane	2.243	2.826	0.01	26.0	30.0	
Freon TF	1.930	2.234	0.01	15.8	30.0	
1,1-Dichloroethene	0.834	0.946	0.01	13.4	30.0	
Methylene Chloride	0.967	0.996	0.01	3.0	30.0	
1,1-Dichloroethane	1.578	1.805	0.1	14.4	30.0	
cis-1,2-Dichloroethene	1.205	1.247	0.01	3.5	30.0	
Chloroform	2.081	2.203	0.01	5.9	30.0	
1,1,1-Trichloroethane	1.922	2.138	0.01	11.2	30.0	
Carbon Tetrachloride	0.434	0.480	0.01	10.6	30.0	
Benzene	0.615	0.591	0.01	3.9	30.0	
1,2-Dichloroethane	1.360	1.481	0.01	8.9	30.0	
Trichloroethene	0.276	0.293	0.01	6.2	30.0	
1,2-Dichloropropane	0.225	0.230	0.01	2.2	30.0	
cis-1,3-Dichloropropene	0.297	0.309	0.01	4.0	30.0	
Toluene	0.424	0.422	0.01	0.5	30.0	
trans-1,3-Dichloropropene	0.208	0.231	0.01	11.0	30.0	
1,1,2-Trichloroethane	0.230	0.254	0.01	10.4	30.0	
Tetrachloroethene	0.355	0.316	0.01	11.0	30.0	
Chlorobenzene	0.593	0.555	0.3	6.4	30.0	
Ethylbenzene	0.955	0.972	0.01	1.8	30.0	
Xylene (total)	1.093	1.083	0.01	0.9	30.0	
Styrene	0.451	0.448	0.01	0.7	30.0	
Xylene (m,p)	0.367	0.360	0.01	1.9	30.0	
Xylene (o)	0.359	0.362	0.01	0.8	30.0	
1,1,2,2-Tetrachloroethane	0.613	0.632	0.01	3.1	30.0	
1,3-Dichlorobenzene	0.573	0.529	0.01	7.7	30.0	
1,4-Dichlorobenzene	0.512	0.510	0.01	0.4	30.0	
1,2-Dichlorobenzene	0.434	0.436	0.01	0.5	30.0	
1,2,4-Trichlorobenzene	0.109	0.074	0.01	32.1	30.0	<-
Hexachlorobutadiene	0.143	0.141	0.01	1.4	30.0	
1,3,5-Trimethylbenzene	0.751	0.809	0.01	7.7	30.0	
1,2,4-Trimethylbenzene	0.756	0.782	0.01	3.4	30.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Instrument ID: W Calibration Date: 09/27/00 Time: 0849

Lab File ID: CC010A Init. Calib. Date(s): 09/26/00 09/26/00

Heated Purge: (Y/N) N Init. Calib. Times: 0814 1026

GC Column: DB-1 ID: 0.35 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorotetrafluoroethane	2.531	2.578	0.01	1.8	30.0
1,2-Dibromoethane	0.396	0.379	0.01	4.3	30.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Lab File ID (Standard): CC0005I2 Date Analyzed: 09/26/00

Instrument ID: W Time Analyzed: 1026

GC Column: DB-1 ID: 0.35 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD	379557	7.64	1788956	11.83	1748346	8.96
	UPPER LIMIT	910937	7.97	4293494	12.16	4196030	9.29
	LOWER LIMIT	151823	7.31	715582	11.50	699338	8.63
	CLIENT SAMPLE NO.						
01	Y6_ICVLCS	367284	7.67	1786026	11.84	1662929	8.99
02	ABLKY6	361572	7.65	1749492	11.83	1692228	8.97
03	ROOM37	307415	7.65	1148348	11.84	1361792	8.97
04	ROOM30	297591	7.64	1202184	11.84	1352286	8.97
05	ROOM58B	288799	7.65	1132126	11.86	1302747	8.99
06	ROOM85	287635	7.62	1174241	11.84	1325456	8.97
07	OUTSIDESOUTH	294858	7.64	1264740	11.83	1314886	8.97
08	ROOM39	282308	7.64	1064291	11.84	1266640	8.97
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IS1 (BCM) = Bromochloromethane
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DFB) = 1,4-Difluorobenzene

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = + 0.33 minutes of internal standard RT
RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL BURLINGTON Contract: 20000

Lab Code: STLVT Case No.: 200000 SAS No.: SDG No.: 79870

Lab File ID (Standard): CC010A Date Analyzed: 09/27/00

Instrument ID: W Time Analyzed: 0849

GC Column: DB-1 ID: 0.35 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD	250233	7.67	1296955	11.84	1161424	8.99
	UPPER LIMIT	600559	8.00	3112692	12.17	2787418	9.32
	LOWER LIMIT	100093	7.34	518782	11.51	464570	8.66
	STLVT SAMPLE NO.						
01	Y9_LCS	273734	7.65	1400173	11.84	1270916	8.97
02	ABLKY9	292564	7.62	1403619	11.83	1336558	8.96
03	ROOM124	293363	7.65	1345791	11.81	1330228	8.99
04	ROOM33	277503	7.62	1050632	11.82	1259695	8.96
05	ROOM159	261023	7.62	1061702	11.84	1230049	8.96
06	ROOM162	278509	7.65	1079839	11.86	1261374	8.97
07	ROOM101	262037	7.64	1128901	11.84	1219728	8.97
08	ROOM13	257688	7.64	997568	11.86	1196183	8.97
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IS1 (BCM) = Bromochloromethane
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DFB) = 1,4-Difluorobenzene

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = + 0.33 minutes of internal standard RT
RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.